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— COMMITTED TO PROTECTION OF THE ENVIRONMENT —

TECHNICAL SUPPORT FOR ROCKY MOUNTAIN ARSENAL

DRAFT FINAL WATER REMEDIAL INVESTIGATION REPORT

(Version 2.2)
Volume II

EBASCO SERVICES INCORPORATED
R. L. Stollar & Associates, Inc.
Hunter/ESE, Inc.
Harding Lawson Associates

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ROCKY MOUNTAIN ARSENAL

DRAFT FINAL
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THE WATER REMEDIAL INVESTIGATION IS A COMPILATION, INTEGRATION, AND INTERPRETATION OF GROUND WATER AND SURFACE WATER STUDY RESULTS OBTAINED FROM SPECIFIC TASKS AND DESIGNED TO PROVIDE A COMPREHENSIVE ASSESSMENT OF CONTAMINATION BOTH ON-POST AND OFF-POST.

THE RI IS DIVIDED INTO FOUR VOLUMES:

1. INTRODUCTION TO THE PROJECT, DESCRIPTION OF THE ENVIRONMENTAL SETTING, ASSESSMENT OF THE NATURE AND EXTENT OF CONTAMINATION
2. GEOLOGIC AND HYDROLOGIC DATA, TASK 44 DATA, CHEMISTRY DATA, AND INFORMATION PERTAINING TO HYDROCHEMICAL PROPERTIES AND HYDROLOGIC CALCULATIONS
3. APPENDIX F WHICH IS A DETAILED DESCRIPTION OF GEOLOGY, HYDROLOGY, CONTAMINANT DISTRIBUTION, HISTORICAL GROUND WATER AND SURFACE WATER PROGRAMS
4. 20 PLATES REFERENCED IN VOLUMES I AND III.

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VOLUME III

APPENDIX F DETAILED DESCRIPTION OF ENVIRONMENTAL SETTING AND CONTAMINANT DISTRIBUTION

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ACRONYMS AND ABBREVIATIONS

ac-ft	acre-feet
ac-ft/mo	acre-feet per month
ac-ft/yr	acre-feet per year
ACL	alternative concentration limit
Al	A lithologic zone - lower
Am	A lithologic zone - middle
ARAR	Applicable or Relevant and Appropriate Requirement
Army	Department of the Army
As	A lithologic zone - channel
ASTM	American Society for Testing and Materials
ASY	apparent specific yield
atm-m^3/mole	atmosphere-cubic meter per mole
Au	A lithologic zone - upper
AWQC	ambient water quality criteria
12DCLE	1,2 dichloroethane
BTZ	benzothiazole
CC	Contamination Control
CCC	Colorado Climate Center
CCl_4	Carbon Tetrachloride
CDH	Colorado Department of Health
CDM	Camp Dresser & McKee, Inc.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CF&I	Colorado Fuel and Iron
cfs	cubic feet per second
CH_2Cl_2	Methylene Chloride
cm/sec	centimeters per second
CMP	Comprehensive Monitoring Program
COE	U.S. Army Corps of Engineers
CPMS	chlorophenylmethyl sulfide
CPMSO	chlorophenylmethyl sulfoxide
$CPMSO_2$	chlorophenylmethyl sulfone
CRL	certified reporting limits

CSU	Colorado State University
CSU-GWFlow	Colorado State University Groundwater Flow Model
CWP	Composite Well Program
CWQ	Clean Water Act
DBCP	Dibromochloropropane
11DCE	1,1-dichloroethylene
11DCLE	1,1-dichloroethane
12DCE	trans-1,2-dichloroethylene
DCPD	Dicyclopentadiene
DIMP	Diisopropylmethyl phosphonate
1,4-DITH	1,4-dithiane
DMDS	dimethyldisulfide
DMMP	dimethylmethyl phosphonate
DOJ	Department of Justice
EA	Endangerment Assessment
EDL	elevated detection limit
EPA	U.S. Environmental Protection Agency
ESE	Environmental Science and Engineering, Inc.
FCP	First Creek Paleochannel
Fm	Formation
FRICO	Farmer's Reservoir and Irrigation Company
FS	Feasibility Study
ft	feet
ft/day	feet per day
ft/ft	feet per foot
ft/sec	feet per second
ft/yr	feet per year
ft^3	cubic feet
FY87	Fiscal Year 1987
gal/ft^2	gallons per square foot
GB	nerve gas comprised of Sarin
GC	gas chromatograph
G/ml	gram per milliliter
GC/MS	gas chromatography/mass spectrometry

gpd/ft	gallons per day per foot gpd/ft^2gallons per day per square foot
gpm	gallons per minute
H	Henry's Law Constant
HCCPD or CL_6CP	hexachlorocyclopentadiene
HGU	Hydrogeologic unit
HLA	Harding Lawson Associates
HSL	Hazardous Substance List
ICAP	inductively-coupled argon plasma
ICS	Irondale Containment System
ID	inside diameter
in/hr	inches per hour
in/mo	inches per month
IRA	Interim Response Action
ISP	Initial Screening Program
K	hydraulic conductivity
K_{oc}	organic carbon partition coefficient
K_d	partition coefficient
K_{ow}	octanol/water partition coefficient
LA	Lignite A
LB	Lignite B
lbs/ft^3	pounds per cubic foot
LC	Lignite C
LD	Lignite D
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
mg/l	milligrams per liter
mi	miles
MIBK	methylisobutyl ketone
MKE	Morrison-Knudsen Engineers, Inc.
mm	millimeter
mph	miles per hour
msl	mean sea level
NBCS	North Boundary Containment System

NBTP	North Boundary Treatment Plant
NBW	north boundary west
NTC	nontarget compounds
NWBCS	Northwest Boundary Containment System
NWBP	Northwest Boundary Paleochannel
O&M	operation and maintenance
O_3	ozone
PAS	Parties and the State
OCP	organochlorine pesticide
OD	outside diameter
^oF	degrees Farenheit
OXAT	oxathiane
OX/DITH	Combined oxathiane and dithiane
PCE	tetrachloroethylene
PI	plasticity index
PID	photoionization detector
PMO-RMA	U.S. Army Program Manager's Office for Rocky Mountain Arsenal Contamination Cleanup
PMSO	Program Manager Staff Office
p,p'-DDE	p,p'-1,1-dichloro-2,2-bis(4-chlorophenyl)-ethylene
p,p'-DDT	p,p'-dichlorodiphenyltrichloroethane
PPLV	Preliminary Pollutant Limit Value
ppm	parts per million
psi	pounds per square inch
PVC	polyvinyl chloride
QA1	Paleochannels in terrace gravels
QA2	Paleochannels in eolian deposits (w/gravels)
QA3	Silty terrace gravels and coarse sand
QA4	Paleochannels in eolian deposits (w/o gravels)
QAE	Eolian deposits
QA/QC	Quality Assurance/Quality Control
QC	Quality control
QT	Quarternary terrace gravels
RCI	Resource Consultants, Inc.

RCRA	Resource Conservation and Recovery Act
R_f	Retardation factor
Ri	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
RIC	RMA Information Center
RMA	Rocky Mountain Arsenal
RMACCPMT	Rocky Mountain Arsenal Control Management Team
ROD	Record of Decision
SACWSD	South Adams County Water and Sanitation District
SAR	Study Area Report
SARA	Superfund Amendments and Reauthorization Act
SCC	Shell Chemical Company
SCS	Soil Conservation Service
SDWA	Safe Drinking Water Act
Shell	Shell Chemical Oil Company
SO_2	Sulfur Dioxide
sq mi	square mile(s)
STP	Sewage Treatment Plant
SW/GW	surface water/groundwater
T	transmissivity
111TCE	1,1,1-trichloroethane
112TCE	1,1,2-trichloroethane
TCLEE	tetrachloroethylene
TIC	tentatively identified compounds
TKd	Denver Formation
TRCLE	trichloroethylene
TSP	total suspended particulates
1u	number one upper zone in the Denver Fm
ug/g	micrograms per gram
ug/l	micrograms per liter
UFS	Unconfined Flow System
UNK	unknown
USATHAMA	U.S. Army Toxic and Hazardous Materials Agency
USCS	Unified Soil Classification System

UTM	Universal Transverse Mercator
VC	volcaniclastic interval
VCE	clay-rich zone stratigraphically equivalent to VC
VOA	volatile organic aromatics
VOC	volatile organic compounds
VOH	volatile organohalogens
WES	U.S. Army Corps of Engineers Waterways Experiment Station
WRI	Water Remedial Investigation
WY87	Water Year 1987

APPENDIX A

DENVER FM GEOLOGIC DATA

APPENDIX A.1: DENVER ZONE SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESS

DENVER_FM_SANDSTONE_TOP_AND_BASE_ELEVATIONS_AND_THICKNESS

EXPLANATION

The top and base elevations of the sandstones were picked at the top and base of an interval consisting predominantly of sandstone. In some cases, these sandstones contain stringers or lenses of siltstone, claystone, and/or shale. Where these finer grained sediments comprise a significant thickness, they are listed under "shale thickness" in the table. This shale thickness is subtracted from the gross sandstone thickness to obtain the net sandstone thickness.

For well 01046, the thickness of the sandstone in zone 2 was estimated from personal communication with Stollar and Associates, 1988.

In wells where the borehole did not penetrate the base of the sandstone, the base sandstone elevation was estimated.

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
01005	AS	5201.6	5174.6	27.0	0.0	27.0	
01005	AU	5211.6	5204.6	7.0	0.0	7.0	
01008	AL	5181.2	5176.2	5.0	0.0	5.0	
01008	AM	5209.9	5190.7	19.2	0.0	19.2	
01015	AU	5216.5	5206.1	10.4	0.0	10.4	
01017	AM	5182.6	5177.5	5.1	0.0	5.1	
01017	AU	5193.7	5183.1	10.6	0.0	10.6	
01022	AM	5154.5	5147.5	7.0	0.0	7.0	
01022	AU	5171.5	5162.9	8.6	0.0	8.6	
01023	1U	5107.0	5095.0	12.0	0.0	12.0	
01025	AU	5173.9	5166.9	7.0	0.0	7.0	
01026	AL	5152.4	5146.9	5.5	0.0	5.5	
01028	AS	5197.2	5190.2	7.0	0.0	7.0	
01028	AU	5206.1	5202.2	3.9	0.0	3.9	
01029	AL	5156.2	5142.7	13.5	0.0	13.5	
01029	AM	5184.7	5181.7	3.0	0.0	3.0	
01031	AU	5208.1	5206.2	1.9	0.0	1.9	
01032	AM	5184.0	5177.6	6.4	0.0	6.4	
01034	AM	5174.0	5168.6	5.4	0.0	5.4	
01034	AU	5193.5	5192.2	1.3	0.0	1.3	
01035	AL	5162.0	5156.5	5.5	0.0	5.5	
01036	AU	5202.9	5201.6	1.3	0.0	1.3	
01037	AL	5161.9	5160.6	1.3	0.0	1.3	
01037	AM	5172.6	5165.8	6.8	0.0	6.8	
01039	AU	5192.9	5191.4	1.5	0.0	1.5	
01040	AL	5165.0	5157.1	7.9	0.0	7.9	
01040	AM	5173.4	5170.3	3.1	0.0	3.1	
01042	AL	5171.2	5168.8	2.4	0.0	2.4	
01042	AU	5202.2	5201.0	1.2	0.0	1.2	
01043	1	5112.0	5106.8	5.2	0.0	5.2	
01046	2	0.0	0.0	49.0	0.0	49.0	ESTIMATED THICKNESS
01047	1	5093.8	5074.0	19.8	0.0	19.8	
01047	1U	5114.9	5107.6	7.3	0.0	7.3	
01047	AL	5157.8	5156.3	1.5	0.0	1.5	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
01047	AM	5185.6	5182.6	3.0	0.0	3.0	
01047	AU	5192.3	5189.3	3.0	0.0	3.0	
01048	2	5070.0	5045.3	24.7	0.0	24.7	
01050	AS	5203.4	5157.4	46.0	0.0	46.0	
01067	AS	5199.0	5160.1	38.9	0.0	38.9	
01067	AU	5218.0	5208.9	9.1	4.7	4.4	
01068	VC	5283.9	5238.6	45.3	0.0	45.3	
01071	1	5092.6	5078.7	13.9	4.0	9.9	
01071	1U	5129.1	5118.6	10.5	0.0	10.5	
01071	2	5075.1	5070.6	4.5	0.0	4.5	
01071	AL	5174.6	5172.1	2.5	0.0	2.5	
01071	AM	5186.1	5185.1	1.0	0.0	1.0	
01071	AU	5200.5	5195.1	5.4	0.0	5.4	
02004	AS	5208.1	5162.8	45.3	0.0	45.3	
02009	1	5105.7	5103.7	2.0	0.0	2.0	
02010	2	5086.8	5077.9	8.9	0.0	8.9	
02010	3	5072.9	5044.9	28.0	0.0	28.0	
02012	1U	5114.6	5109.6	5.0	0.0	5.0	
02013	2	5063.6	5048.9	14.7	0.0	14.7	
02015	1U	5149.2	5134.2	15.0	0.0	15.0	
02016	2	5091.7	5075.2	16.5	0.0	16.5	
02018	AU	5221.4	5208.7	12.7	6.5	6.2	
02019	1U	5165.0	5159.0	6.0	0.0	6.0	
02019	AL	5187.5	5169.4	18.1	0.0	18.1	
02021	AM	5182.0	5167.4	14.6	0.0	14.6	
02022	1U	5138.3	5125.5	12.8	0.0	12.8	
02022	AL	5154.0	5143.0	11.0	0.0	11.0	
02024	AL	5178.3	5177.2	1.1	0.0	1.1	
02024	AM	5191.1	5186.2	4.9	0.0	4.9	
02027	AL	5153.4	5142.9	10.5	0.0	10.5	
02027	AM	5160.2	5156.6	3.6	0.0	3.6	
02028	1U	5117.4	5103.7	13.7	2.0	11.7	
02030	AL	5177.9	5176.0	1.9	0.0	1.9	
02030	AM	5196.4	5195.0	1.4	0.0	1.4	
02030	AU	5219.6	5208.3	11.3	4.6	11.3	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
02031	1U	5135.5	5128.6	6.9	0.0	6.9	
02032	AL	5170.1	5164.1	6.0	0.0	6.0	
02032	AU	5190.1	5181.9	8.2	3.2	5.0	
02033	1U	5127.2	5102.6	24.6	4.0	20.6	
02035	AL	5180.0	5177.8	2.2	0.0	2.2	
02035	AM	5197.5	5191.9	5.6	0.0	5.6	
02035	AU	5207.0	5202.5	4.5	0.0	4.5	
02038	AM	5204.1	5190.6	13.5	6.0	7.5	
02039	1U	5154.0	5147.0	7.0	0.0	7.0	
02039	AL	5175.9	5159.7	16.2	0.0	16.2	
02041	AL	5179.2	5167.7	11.5	0.0	11.5	
02041	AM	5200.0	5197.0	3.0	0.0	3.0	
02042	1U	5164.0	5143.5	20.5	5.0	15.5	
02043	AU	5216.1	5206.2	9.9	4.0	5.9	
02044	1U	5149.2	5134.2	15.0	0.0	15.0	
02044	AL	5185.2	5176.6	8.6	0.0	8.6	
02045	AL	5195.1	5184.0	11.1	9.9	1.2	
02045	AM	5206.6	5194.1	12.5	4.5	12.5	
02045	AU	5227.1	5217.6	9.5	2.0	7.5	
02046	1U	5154.6	5128.9	25.7	0.0	25.7	
02047	AS	5218.7	5174.7	44.0	0.0	44.0	
02048	1U	5138.7	5136.0	2.7	0.0	2.7	
03003	3	5058.0	5051.0	7.0	0.0	7.0	
03004	4	5027.0	5017.0	10.0	1.0	9.0	
03006	1U	5136.0	5123.0	13.0	0.0	13.0	
03006	2	5085.0	5076.0	9.0	8.0	1.0	
03007	7	5008.0	5005.0	3.0	0.0	3.0	
03012	1	5097.4	5095.4	2.0	0.0	2.0	
03012	1U	5161.4	5135.4	26.0	0.0	26.0	
03012	2	5085.4	5080.4	5.0	0.0	5.0	
04008	3	5111.0	5095.0	16.0	4.0	12.0	
04009	5	5044.0	5039.0	5.0	0.0	5.0	
04012	2	5106.0	5103.0	3.0	0.0	3.0	
04012	3	5094.0	5083.0	11.0	0.0	11.0	
04012	5	5040.0	5036.0	4.0	0.0	4.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
04012	6	5032.0	5009.0	23.0	0.0	23.0	
05003	B	5225.0	5222.0	3.0	0.0	3.0	
06004	AL	5163.0	5153.0	10.0	0.0	10.0	
08004	AL	5136.0	5082.0	54.0	0.0	54.0	
08004	B	5184.0	5182.0	2.0	0.0	2.0	
09003	2	5104.0	5081.0	23.0	0.0	23.0	
09004	4	5028.0	5018.0	10.0	0.0	10.0	
100	2	5124.0	5118.0	6.0	0.0	6.0	
1000	2	5120.0	5110.0	10.0	0.0	10.0	
1000	3	5093.0	5084.0	9.0	0.0	9.0	
1001	2	5120.0	5114.0	6.0	0.0	6.0	
1001	3	5093.0	5083.0	10.0	0.0	10.0	
1002	2	5119.0	5113.0	6.0	0.0	6.0	
1003	3	5103.0	5080.0	23.0	0.0	23.0	
1004	3	5103.0	5080.0	23.0	0.0	23.0	
1005	3	5098.0	5088.0	10.0	0.0	10.0	
1006	2	5125.0	5106.0	19.0	0.0	19.0	
1006	3	5101.0	5075.0	26.0	0.0	26.0	
1007	2	5106.0	5103.0	3.0	0.0	3.0	
1007	3	5092.0	5074.0	18.0	0.0	18.0	
1008	3	5094.0	5084.0	10.0	0.0	10.0	
1009	2	5106.0	5102.0	4.0	0.0	4.0	
1009	3	5092.0	5086.0	6.0	0.0	6.0	
1011	2	5126.0	5095.0	31.0	15.0	16.0	
1012	2	5107.0	5105.0	2.0	0.0	2.0	
1012	3	5094.0	5087.0	7.0	0.0	7.0	
1014	2	5123.0	5111.0	12.0	0.0	12.0	
1014	3	5094.0	5089.0	5.0	0.0	5.0	
1015	2	5125.0	5102.0	23.0	0.0	23.0	
1015	3	5098.0	5067.0	31.0	0.0	31.0	
1016	2	5128.0	5100.0	28.0	0.0	28.0	
11003	B	5179.9	5170.3	9.6	0.0	9.6	
11004	AU	5152.6	5147.2	5.4	0.0	5.4	
1105	3	5088.0	5071.0	17.0	0.0	17.0	
1	1	5162.0	5155.0	7.0	0.0	7.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
12004	B	5205.7	5198.7	7.0	2.0	5.0	
19015	2	5139.0	5118.0	21.0	6.0	15.0	
19015	3	5110.0	5096.0	14.0	0.0	14.0	
19016	4	5070.0	5052.0	18.0	0.0	18.0	
19017	1	5148.0	5140.5	7.5	0.0	7.5	
19017	3	5089.0	5087.0	2.0	0.0	2.0	
19017	4	5075.0	5059.0	16.0	0.0	16.0	
19018	2	5106.0	5102.0	4.0	0.0	4.0	
20001	1	5150.0	5129.0	21.0	0.0	21.0	
2003	AU	5205.0	5202.2	2.8	0.0	2.8	
22002	4	5054.0	5036.0	18.0	0.0	18.0	
22002	5	5018.0	5001.0	17.0	0.0	17.0	
22004	3	5108.0	5097.0	11.0	0.0	11.0	
22009	4	5066.0	5063.0	3.0	0.0	3.0	
22023	4	5051.0	5046.0	5.0	0.0	5.0	
22027	3	5095.0	5081.0	14.0	0.0	14.0	
22028	4	5055.0	5036.5	18.5	0.0	18.5	
22030	3	5088.0	5072.0	16.0	0.0	16.0	
22030	4	5045.0	5026.0	19.0	0.0	19.0	
22031	5	5020.0	5006.0	14.0	0.0	14.0	
22051	3	5085.0	5075.0	10.0	0.0	10.0	
22054	2	5109.0	5104.0	5.0	0.0	5.0	
22060	3	5107.0	5097.0	10.0	0.0	10.0	
22313	3	5084.0	5080.0	4.0	0.0	4.0	
23006	1	5141.0	5136.0	5.0	0.0	5.0	
23007	1	5138.5	5133.0	5.5	0.0	5.5	
23016	1	5133.5	5129.5	4.0	0.0	4.0	
23054	1	5139.0	5129.0	10.0	0.0	10.0	
23056	1	5133.0	5125.0	8.0	0.0	8.0	
23161	2	5130.0	5100.0	30.0	4.0	26.0	
23161	3	5088.0	5078.0	10.0	0.0	10.0	
23163	2	5105.0	5095.0	10.0	0.0	10.0	
23164	3	5088.0	5072.0	16.0	0.0	16.0	
23167	2	5122.0	5096.0	26.0	0.0	26.0	
23168	3	5080.0	5071.0	9.0	0.0	9.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
23169	4	5060.0	5038.0	22.0	0.0	22.0	
23170	2	5116.0	5094.0	22.0	8.0	14.0	
23170	3	5092.0	5075.0	17.0	0.0	17.0	
23171	2	5125.0	5100.0	25.0	15.0	10.0	
23172	2	5122.0	5100.0	22.0	0.0	22.0	
23177	2	5114.0	5092.0	22.0	0.0	22.0	
23181	2	5129.0	5088.0	41.0	0.0	41.0	
23183	3	5073.0	5067.0	6.0	0.0	6.0	
23184	4	5064.0	5052.0	12.0	0.0	12.0	
23186	2	5108.0	5094.0	14.0	0.0	14.0	
23189	2	5125.0	5115.0	10.0	0.0	10.0	
23192	2	5128.0	5100.4	27.6	25.6	2.0	
23192	3	5083.1	5077.4	5.7	0.0	5.7	
23193	4	5058.0	5022.0	36.0	30.5	5.5	
232	1U	5169.5	5167.0	2.5	0.0	2.5	
23200	2	5118.0	5095.0	23.0	0.0	23.0	
23201	3	5075.0	5065.0	10.0	0.0	10.0	
23208	2	5129.0	5111.0	18.0	0.0	18.0	
23209	2	5118.0	5083.0	35.0	8.0	27.0	
23209	3	5082.0	5060.0	22.0	4.0	18.0	
23209	4	5054.0	5028.0	26.0	6.0	20.0	
23210	5	5022.4	5010.4	12.0	0.0	12.0	
23210	6	5000.6	4978.4	22.2	2.0	20.2	
23210	8	4956.4	4929.4	27.0	0.0	27.0	
23218	2	5117.0	5112.0	5.0	0.0	5.0	
23219	3	5085.0	5078.0	7.0	0.0	7.0	
23219	4	5047.0	5038.0	9.0	0.0	9.0	
23221	1	5134.0	5130.0	4.0	0.0	4.0	
23222	2	5125.0	5090.0	35.0	0.0	35.0	
23224	3	5085.0	5062.0	23.0	0.0	23.0	
23228	2	5111.0	5095.0	16.0	4.0	12.0	
23229	2	5139.5	5110.0	29.5	20.0	9.5	
23230	3	5084.0	5068.0	16.0	11.0	5.0	
23230	4	5042.0	5021.0	21.0	6.0	15.0	
23233	2	5118.0	5094.0	24.0	3.0	21.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
23234	3	5082.0	5055.0	27.0	12.0	15.0	
23234	4	5048.0	5030.0	18.0	4.0	14.0	
23235	2	5122.0	5105.0	17.0	8.0	9.0	
23235	3	5090.0	5078.0	12.0	0.0	12.0	
23236	2	5122.0	5097.0	25.0	0.0	25.0	
23236	3	5096.0	5086.0	10.0	0.0	10.0	
23236	4	5062.0	5030.0	32.0	0.0	32.0	
233	1	5163.5	5157.5	6.0	0.0	6.0	
23336	2	5118.0	5095.0	23.0	0.0	23.0	
23336	3	5068.0	5058.0	10.0	0.0	10.0	
23337	2	5118.0	5096.0	22.0	0.0	22.0	
23339	2	5113.0	5096.0	17.0	0.0	17.0	
23339	3	5081.0	5070.0	11.0	0.0	11.0	
23340	2	5120.0	5095.0	25.0	9.0	16.0	
23341	2	5107.0	5103.0	4.0	0.0	4.0	
23341	3	5090.0	5082.0	8.0	0.0	8.0	
23342	2	5122.0	5102.0	20.0	5.0	15.0	
23342	3	5084.0	5076.0	8.0	0.0	8.0	
23342	4	5061.0	5051.0	10.0	0.0	10.0	
23401	2	5121.0	5098.0	23.0	8.0	15.0	
23401	3	5094.0	5085.0	9.0	0.0	9.0	
23401	4	5062.0	5030.0	32.0	0.0	32.0	
23401	5	5025.0	5017.0	8.0	0.0	8.0	
23407	2	5122.0	5114.0	8.0	0.0	8.0	
23407	3	5089.0	5078.0	11.0	0.0	11.0	
23407	4	5063.0	5023.0	40.0	9.0	31.0	
23504	1	5139.0	5128.0	11.0	0.0	11.0	
24031	2	5120.0	5111.0	9.0	0.0	9.0	
24035	3	5098.0	5088.0	10.0	0.0	10.0	
24041	2	5122.0	5112.0	10.0	0.0	10.0	
24080	1	5170.0	5150.0	20.0	0.0	20.0	
24082	1	5162.0	5148.0	14.0	0.0	14.0	
24083	1	5156.0	5142.0	14.0	0.0	14.0	
24086	1	5158.0	5135.0	23.0	0.0	23.0	
24087	1	5148.0	5136.0	12.0	0.0	12.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
24108	1	5156.0	5152.0	4.0	0.0	4.0	
24109	2	5152.0	5142.0	10.0	0.0	10.0	
24120	2	5138.0	5112.0	26.0	17.0	9.0	
24120	3	5106.0	5096.0	10.0	0.0	10.0	
24123	1	5158.0	5154.0	4.0	0.0	4.0	
24124	1	5180.0	5153.0	27.0	0.0	27.0	
24125	1	5168.0	5145.0	23.0	10.0	13.0	
24131	2	5108.0	5104.0	4.0	0.0	4.0	
24132	3	5097.0	5074.0	23.0	6.0	17.0	
24133	2	5107.0	5097.0	10.0	2.0	8.0	
24134	3	5090.0	5068.0	22.0	6.0	16.0	
24138	2	5108.0	5093.0	15.0	6.0	9.0	
24139	3	5091.0	5060.0	31.0	7.0	24.0	
24141	2	5118.0	5090.0	28.0	0.0	28.0	
24142	3	5090.0	5064.0	26.0	0.0	26.0	
24143	4	5064.0	5048.0	16.0	8.0	8.0	
24145	2	5122.0	5110.0	12.0	0.0	12.0	
24146	3	5095.0	5084.0	11.0	0.0	11.0	
24147	2	5127.0	5113.0	14.0	0.0	14.0	
24147	3	5099.0	5087.0	12.0	0.0	12.0	
24154	3	5106.0	5080.0	26.0	0.0	26.0	
24154	4	5069.0	5061.0	8.0	0.0	8.0	
24167	2	5105.0	5083.0	22.0	0.0	22.0	
24168	3	5090.0	5060.0	30.0	6.0	24.0	
24171	2	5123.0	5102.0	21.0	12.0	9.0	
24171	3	5100.0	5070.0	30.0	17.0	13.0	
24172	4	5040.0	5035.0	5.0	0.0	5.0	
24174	3	5100.0	5082.0	18.0	0.0	18.0	
24175	4	5063.0	5043.0	20.0	0.0	20.0	
24196	2	5117.0	5105.0	12.0	0.0	12.0	
24196	3	5096.0	5070.0	26.0	0.0	26.0	
24343	2	5120.0	5096.0	24.0	5.0	19.0	
24344	2	5104.0	5094.0	10.0	3.0	7.0	
24346	2	5108.0	5098.0	10.0	0.0	10.0	
24347	3	5095.0	5082.0	13.0	0.0	13.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
24347	4	5061.0	5044.0	17.0	0.0	17.0	
24348	3	5090.0	5081.0	9.0	0.0	9.0	
24348	4	5073.0	5048.0	25.0	0.0	25.0	
24349	3	5102.0	5077.0	25.0	0.0	25.0	
24350	3	5104.0	5082.0	22.0	0.0	22.0	
24351	3	5101.0	5080.0	21.0	0.0	21.0	
24352	3	5100.0	5084.0	16.0	0.0	16.0	
24352	4	5066.0	5044.0	22.0	10.0	12.0	
24353	3	5101.0	5082.0	19.0	0.0	19.0	
24354	2	5112.0	5107.0	5.0	0.0	5.0	
24354	3	5103.0	5082.0	21.0	0.0	21.0	
25004	AS	5244.5	5201.0	43.5	0.0	43.5	
25006	1	5155.0	5139.0	16.0	0.0	16.0	
25008	AS	5202.0	5177.0	25.0	0.0	25.0	
25009	1	5171.0	5132.0	39.0	0.0	39.0	
25010	2	5111.0	5097.0	14.0	0.0	14.0	ESTIMATED BASE
25012	1	5132.6	5124.8	7.8	0.0	7.8	
25012	1U	5177.0	5150.0	27.0	0.0	27.0	
25013	2	5108.2	5082.6	25.6	0.0	25.6	
25014	3	5069.6	5053.1	16.5	0.0	16.5	
25015	1	5158.0	5156.0	2.0	0.0	2.0	
25016	2	5138.0	5120.0	18.0	9.0	9.0	
25018	1	5151.0	5146.0	5.0	0.0	5.0	
25019	2	5115.0	5108.0	7.0	0.0	7.0	
25020	4	5070.0	5043.0	27.0	0.0	27.0	
25021	1	5138.6	5135.6	3.0	0.0	3.0	
25021	1U	5178.0	5173.5	4.5	0.0	4.5	
25021	2	5133.5	5111.0	22.5	0.0	22.5	
25021	AL	5202.0	5198.0	4.0	0.0	4.0	
25023	AS	5208.0	5199.0	9.0	0.0	9.0	
25024	1U	5174.0	5169.9	4.1	1.0	3.1	
25025	AM	5194.1	5187.3	6.8	5.0	1.8	
25025	AS	5219.6	5203.1	16.5	0.0	16.5	
25026	1U	5194.1	5172.0	22.1	9.3	13.1	
25029	1	5160.0	5131.0	29.0	0.0	29.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
25031	1	5177.0	5137.5	39.5	0.0	39.5	
25032	AU	5245.0	5229.0	16.0	0.0	16.0	
25033	AS	5223.0	5180.0	43.0	3.4	43.0	
25034	1	5170.0	5132.0	38.0	0.0	38.0	
25036	1U	5183.0	5157.0	26.0	10.0	16.0	
25036	AL	5213.0	5204.0	9.0	0.0	9.0	
25036	VC	5258.0	5231.0	27.0	0.0	27.0	
25037	1	5150.0	5137.0	13.0	0.0	13.0	
25037	2	5137.0	5116.0	21.0	0.0	21.0	
25040	1	5141.7	5126.4	15.3	0.0	15.3	
26002	1	5150.0	5143.0	7.0	0.0	7.0	
26005	1	5155.0	5148.0	7.0	0.0	7.0	
26006	1	5147.0	5143.0	4.0	0.0	4.0	
26009	1	5144.0	5137.0	7.0	0.0	7.0	ESTIMATED BASE
26010	1	5162.0	5155.0	7.0	0.0	7.0	
26012	1	5180.0	5139.0	41.0	0.0	41.0	
26014	2	5120.0	5112.0	8.0	0.0	8.0	
26020	1	5134.0	5130.0	4.0	0.0	4.0	
26021	1	5138.5	5127.0	11.5	0.0	11.5	
26027	1	5163.0	5147.0	16.0	0.0	16.0	
26028	1	5164.0	5144.0	20.0	0.0	20.0	
26029	1	5164.0	5141.5	22.5	0.0	22.5	
26030	1	5157.0	5132.0	25.0	0.0	25.0	
26031	1	5161.0	5131.0	30.0	.0	30.0	
26042	2	5133.0	5113.5	19.5	0.0	19.5	
26043	2	5130.5	5115.0	15.5	0.0	15.5	
26044	1	5146.0	5141.0	5.0	0.0	5.0	
26048	1	5145.0	5134.0	11.0	4.0	7.0	
26051	1	5180.0	5139.0	41.0	0.0	41.0	
26052	1	5156.0	5130.0	26.0	0.0	26.0	
26053	1	5158.0	5138.0	20.0	0.0	20.0	
26055	1	5128.0	5124.0	4.0	0.0	4.0	
26055	1U	5179.0	5167.0	12.0	0.0	12.0	
26056	1U	5185.0	5180.0	5.0	0.0	5.0	
26060	1	5148.0	5138.0	10.0	0.0	10.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
26060	2	5129.0	5095.0	34.0	8.0	26.0	
26061	2	5132.2	5102.2	30.0	0.0	30.0	ESTIMATED BASE
26066	1	5152.0	5142.0	10.0	0.0	10.0	
26067	2	5124.0	5092.0	32.0	0.0	32.0	
26069	1	5157.0	5149.0	8.0	0.0	8.0	
26069	2	5143.0	5115.0	28.0	0.0	28.0	
26071	1	5160.0	5145.0	15.0	0.0	15.0	
26072	2	5116.0	5095.0	21.0	0.0	21.0	
26075	1	5145.0	5122.0	23.0	0.0	23.0	
26077	2	5124.0	5094.0	30.0	0.0	30.0	
26079	2	5131.0	5116.0	15.0	8.0	7.0	
26080	3	5106.0	5091.0	15.0	0.0	15.0	
26082	2	5120.0	5095.0	25.0	0.0	25.0	
26084	1	5148.0	5144.0	4.0	0.0	4.0	
26084	2	5124.0	5088.0	36.0	0.0	36.0	
26086	1	5155.0	5128.0	27.0	0.0	27.0	
26086	1U	5177.0	5166.0	11.0	0.0	11.0	
26087	1	5134.0	5124.0	10.0	0.0	10.0	
26090	2	5123.0	5103.0	20.0	0.0	20.0	
26092	1	5156.0	5140.0	16.0	4.0	12.0	
26092	2	5135.0	5101.0	34.0	0.0	34.0	
26094	2	5124.0	5092.0	32.0	0.0	32.0	
26096	1U	5173.0	5155.0	18.0	0.0	18.0	
26097	1	5163.0	5147.0	16.0	0.0	16.0	
26098	1U	5185.0	5182.0	3.0	0.0	3.0	
26098	AM	5233.0	5218.5	14.5	0.0	14.5	
26119	1	5167.0	5146.0	21.0	0.0	21.0	
26123	1	5178.0	5158.0	20.0	0.0	20.0	
26126	1	5135.0	5131.0	4.0	0.0	4.0	
26126	2	5113.0	5112.0	1.0	0.0	1.0	
26128	1	5162.5	5131.0	31.5	10.0	21.5	
26129	2	5128.5	5105.0	23.5	0.0	23.5	
26131	1	5165.5	5141.0	24.5	0.0	24.5	
26131	2	5129.0	5107.0	22.0	0.0	22.0	
26132	1	5146.0	5132.0	14.0	0.0	14.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
26132	2	5132.0	5103.0	29.0	0.0	29.0	
26134	2	5122.0	5102.0	20.0	0.0	20.0	
26135	3	5092.0	5081.0	11.0	0.0	11.0	
26135	4	5058.0	5039.0	19.0	0.0	19.0	
26136	2	5116.0	5105.0	11.0	0.0	11.0	
26136	3	5078.0	5064.0	14.0	4.0	10.0	
26137	4	5034.0	5009.0	25.0	0.0	25.0	
26137	5	4995.0	4994.0	1.0	0.0	1.0	
26137	6	4974.0	4959.0	15.0	7.0	8.0	
26138	3	5093.0	5073.0	20.0	0.0	20.0	
26139	4	5028.0	5025.0	3.0	0.0	3.0	
26140	1	5167.0	5145.0	22.0	0.0	22.0	
26141	2	5121.5	5095.0	26.5	0.0	26.5	
26142	3	5057.0	5055.0	2.0	0.0	2.0	
26143	1	5174.0	5120.0	54.0	0.0	54.0	
26146	2	5118.0	5095.0	23.0	11.0	12.0	
26147	3	5084.0	5065.0	19.0	0.0	19.0	
26149	2	5138.8	5110.0	28.8	0.0	28.8	
26149	3	5096.0	5071.0	25.0	10.0	15.0	
26150	1	5145.0	5132.0	13.0	0.0	13.0	
26150	2	5132.0	5110.0	22.0	0.0	22.0	
26150	3	5099.2	5088.4	10.8	0.0	10.8	
26150	1U	5191.0	5181.0	10.0	0.0	10.0	
26151	1	5148.8	5132.8	16.0	0.0	16.0	
26151	2	5115.3	5091.6	23.7	0.0	23.7	
26151	3	5081.8	5073.9	7.9	0.0	7.9	
26153	2	5115.0	5112.0	3.0	0.0	3.0	
26153	3	5093.0	5077.0	16.0	10.0	6.0	
26153	4	5069.0	5053.0	16.0	2.0	14.0	
26156	1	5158.2	5145.7	12.5	0.0	12.5	
26156	2	5127.2	5101.3	25.9	8.0	17.9	
26156	3	5065.2	5058.7	6.5	0.0	6.5	
270	2	5116.0	5105.0	11.0	0.0	11.0	
27001	4	5079.0	5074.0	5.0	0.0	5.0	
27005	3	5085.0	5077.0	8.0	0.0	8.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
27006	3	5086.0	5084.0	2.0	0.0	2.0	
27007	3	5082.5	5075.0	7.5	0.0	7.5	
27008	3	5083.0	5077.5	5.5	0.0	5.5	
27020	1	5148.0	5146.0	2.0	0.0	2.0	
27021	1	5146.0	5143.0	3.0	0.0	3.0	
27024	2	5120.0	5113.0	7.0	0.0	7.0	
27029	2	5120.0	5112.0	8.0	0.0	8.0	
27033	2	5118.0	5113.0	5.0	0.0	5.0	
27041	2	5113.0	5107.0	6.0	0.0	6.0	
27042	4	5072.5	5069.0	3.5	0.0	3.5	
27050	2	5125.0	5109.0	16.0	0.0	16.0	
27051	3	5089.0	5070.0	19.0	0.0	19.0	
27052	3	5090.0	5085.0	5.0	0.0	5.0	
27054	4	5061.0	5047.0	14.0	0.0	14.0	
27055	5	5026.0	5015.0	11.0	0.0	11.0	
27057	3	5081.0	5065.0	16.0	10.0	6.0	
27058	4	5048.0	5041.0	7.0	0.0	7.0	
27060	2	5107.0	5084.0	23.0	3.0	23.0	
27061	3	5067.0	5064.0	3.0	0.0	3.0	
27061	5	5029.0	5014.0	15.0	0.0	15.0	
27063	4	5068.0	5063.0	5.0	0.0	5.0	
27082	2	5109.0	5100.0	9.0	0.0	9.0	
274	2	5113.5	5106.0	7.5	0.0	7.5	
277	2	5115.0	5111.5	3.5	0.0	3.5	
279	2	5113.5	5105.0	8.5	0.0	8.5	
28025	5	5042.0	5026.0	16.0	0.0	16.0	
28026	6	5024.0	5018.0	6.0	3.0	3.0	
28028	4	5084.0	5073.0	11.0	0.0	11.0	
28029	5	5057.0	5038.0	19.0	2.0	17.0	
281	3	5111.0	5106.5	4.5	0.0	4.5	
283	2	5114.0	5110.0	4.0	0.0	4.0	
29002	AU	5232.6	5206.9	25.7	0.0	25.7	
29003	1U	5146.6	5135.0	11.6	0.0	11.6	
30004	AL	5189.8	5185.8	4.0	0.0	4.0	
30005	1U	5164.1	5151.6	12.5	0.0	12.5	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
30006	1U	5176.7	5174.2	2.5	0.0	2.5	
30007	1	5140.7	5130.8	9.9	0.0	9.9	
30008	3	5068.4	5054.9	13.5	0.0	13.5	
30010	1	5157.9	5110.1	47.8	0.0	47.8	
30011	2	5078.9	5074.1	4.8	0.0	4.8	
31002	VC	5244.2	5220.7	23.5	0.0	23.5	
31004	AL	5175.3	5156.3	19.0	0.0	19.0	
31007	AM	5173.3	5167.5	5.8	0.0	5.8	
31008	1	5111.4	5092.2	19.2	0.0	19.2	
31010	AU	5199.4	5188.0	11.4	0.0	11.4	
31011	AL	5175.9	5154.2	21.7	0.0	21.7	
32002	AL	5154.4	5146.7	7.7	0.0	7.7	
32002	VC	5252.1	5184.6	67.5	0.0	67.5	
32003	2	5107.4	5058.4	49.0	0.0	49.0	
33026	7	5066.0	5047.0	19.0	0.0	19.0	
33027	8	5034.0	5027.0	7.0	0.0	7.0	
33029	7	5020.0	5016.0	4.0	0.0	4.0	
33029	8	4990.0	4980.0	10.0	3.0	7.0	
33031	6	5007.0	4999.0	8.0	0.0	8.0	
33032	7	4988.0	4970.0	18.0	10.0	8.0	
33034	4	5073.0	5063.0	10.0	0.0	10.0	
33035	5	5050.0	5046.0	4.0	0.0	4.0	
34001	2	5125.8	5117.8	8.0	0.0	8.0	
34003	3	5065.0	5059.0	6.0	0.0	6.0	
34004	4	5044.9	5037.1	7.8	0.0	7.8	
34006	2	5094.0	5085.0	9.0	3.5	5.5	
34007	3	5073.0	5069.0	4.0	0.0	4.0	
34009	3	5059.6	5051.1	8.5	0.0	8.5	
34010	4	5037.6	5029.3	8.3	0.0	8.3	
34011	3	5082.7	5072.4	10.3	0.0	10.3	
34011	4	5058.2	5048.2	10.0	4.7	5.3	
34012	1	5131.3	5112.8	18.5	0.0	18.5	
34012	1U	5162.3	5159.3	3.0	0.0	3.0	
34013	2	5107.3	5077.3	30.0	0.0	30.0	
35001	1U	5165.0	5153.0	12.0	0.0	12.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
35004	AL	5178.0	5172.5	5.5	0.0	5.5	
35005	1U	5168.0	5148.0	20.0	0.0	20.0	
35006	1U	5159.0	5133.0	26.0	0.0	26.0	
35009	1U	5175.0	5156.0	19.0	0.0	19.0	
35009	AL	5197.0	5181.0	16.0	0.0	16.0	
35010	1	5148.0	5142.0	6.0	0.0	6.0	
35012	1	5145.0	5129.3	15.7	0.0	15.7	
35012	1U	5163.0	5156.0	7.0	0.0	7.0	
35015	AU	5213.4	5212.0	1.4	0.0	1.4	
35016	1U	5175.0	5156.0	19.0	0.0	19.0	
35017	1	5128.0	5122.0	6.0	0.0	6.0	
35018	1U	5172.0	5136.0	36.0	0.0	36.0	
35019	2	5127.0	5115.0	12.0	0.0	12.0	
35021	1U	5163.4	5143.8	19.6	6.0	13.6	
35021	AL	5192.5	5181.9	10.6	0.0	10.6	
35024	AS	5215.8	5178.0	37.8	0.0	37.8	
35027	AL	5173.6	5166.9	6.7	0.0	6.7	
35027	AU	5211.1	5204.6	6.5	0.0	6.5	
35028	1U	5147.0	5142.0	5.0	0.0	5.0	
35030	AS	5210.4	5199.9	10.5	0.0	10.5	
35032	1	5143.0	5121.0	22.0	0.0	22.0	
35032	1U	5161.0	5143.0	18.0	0.0	18.0	
35033	2	5097.0	5091.0	6.0	0.0	6.0	
35035	1U	5188.0	5159.0	29.0	2.0	27.0	
35036	1	5143.0	5123.0	20.0	0.0	20.0	
35038	1	5148.5	5138.5	10.0	0.0	10.0	
35039	2	5128.5	5090.0	38.5	0.0	38.5	
35041	1	5137.0	5124.0	13.0	0.0	13.0	
35041	2	5110.0	5089.0	21.0	0.0	21.0	
35042	2	5105.0	5084.0	21.0	0.0	21.0	
35045	1U	5169.0	5157.0	12.0	0.0	12.0	
35049	1U	5168.4	5152.4	16.0	4.0	12.0	
35049	AL	5173.4	5172.4	1.0	0.0	1.0	
35051	1U	5173.0	5154.0	19.0	0.0	19.0	
35053	AM	5200.3	5188.3	12.0	4.0	3.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
35053	AU	5212.3	5205.3	7.0	0.0	7.0	
35054	AL	5195.9	5177.6	18.3	2.9	15.4	
35055	AL	5184.6	5182.2	2.4	0.0	2.0	
35055	AU	5212.9	5205.8	6.1	0.0	6.1	
35055	B	5250.4	5231.4	19.0	0.0	19.0	
35056	1U	5151.0	5127.0	24.0	0.0	24.0	
35059	1U	5162.0	5148.0	14.0	0.0	14.0	
35060	2	5128.0	5121.0	7.0	2.0	5.0	
35062	AL	5179.3	5166.5	12.8	4.3	8.5	
35063	1U	5152.0	5131.0	21.0	0.0	21.0	
35066	AL	5191.0	5174.3	16.7	0.0	16.7	
35067	1U	5169.0	5153.5	15.5	2.1	13.4	
35068	1	5136.0	5115.0	21.0	0.0	21.0	
35068	2	5115.0	5097.0	18.0	0.0	18.0	
35068	3	5093.0	5077.0	16.0	0.0	16.0	
35070	1U	5156.3	5153.2	3.1	0.0	3.1	
35071	1U	5135.7	5114.2	21.5	14.3	7.2	
35071	AS	5209.6	5181.0	28.6	0.0	28.6	
35072	1	5102.3	5093.0	9.3	0.0	9.3	
35073	AS	5209.0	5181.9	27.1	6.0	21.1	
35074	AL	5175.9	5170.9	5.0	0.0	5.0	
35078	1	5125.0	5120.8	4.2	0.0	4.2	
35078	1U	5170.0	5156.5	13.5	0.0	13.5	
35078	2	5108.0	5100.2	7.8	0.0	7.8	
35081	1	5136.7	5133.7	3.0	0.0	3.0	
35081	1U	5170.7	5161.4	9.3	0.0	9.3	
35081	2	5122.7	5101.0	21.7	0.0	21.7	
35082	1	5112.0	5106.0	6.0	0.0	6.0	
35082	1U	5147.0	5136.0	11.0	0.0	11.0	
35082	2	5097.7	5091.0	6.7	0.0	6.7	
35082	3	5077.1	5044.0	33.1	0.0	33.1	
35082	AL	5184.0	5182.0	2.0	0.0	2.0	
35082	AM	5208.0	5200.0	8.0	0.0	8.0	
35082	AU	5226.0	5224.0	2.0	0.0	2.0	
35088	1	5119.0	5108.3	10.7	0.0	10.7	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
35088	1U	5166.5	5147.3	19.2	0.0	19.2	
35089	2	5091.5	5083.0	8.5	0.0	8.5	
35089	3	5077.5	5046.5	31.0	0.0	31.0	
36002	AL	5200.5	5197.0	3.5	0.0	3.5	
36003	AS	5217.8	5211.8	6.0	0.0	6.0	
36004	AS	5221.6	5218.7	2.9	0.0	2.9	
36007	AS	5220.3	5214.8	5.5	0.0	5.5	
36008	AS	5219.2	5202.9	16.3	0.0	16.3	
36009	AS	5214.9	5210.1	4.8	0.0	4.8	
36010	AS	5210.5	5201.3	9.2	0.0	9.2	
36011	AS	5210.9	5201.8	9.1	0.0	9.1	
36012	AS	5213.6	5210.5	3.1	0.0	3.1	
36020	AM	5222.9	5206.9	16.0	0.0	16.0	
36024	AL	5205.5	5198.7	6.8	0.0	6.8	
36025	AS	5210.6	5204.4	6.2	0.0	6.2	
36026	AS	5213.6	5203.6	10.0	0.0	10.0	
36027	AM	5216.7	5206.7	10.0	0.0	10.0	
36029	AS	5216.6	5210.8	5.8	0.0	5.8	
36033	AS	5222.0	5207.0	15.0	0.0	15.0	
36034	AS	5223.0	5209.0	14.0	0.0	14.0	
36036	AS	5218.9	5191.5	27.4	0.0	27.4	
36037	AS	5216.8	5185.5	31.3	0.0	31.3	
36038	AS	5214.1	5181.1	33.0	0.0	33.0	
36039	AS	5209.1	5183.9	25.2	0.0	25.2	
36043	AM	5196.3	5190.0	6.3	0.0	6.3	
36044	AS	5221.2	5180.3	40.9	0.0	40.9	
36061	AL	5182.3	5182.1	0.2	0.0	0.2	
36061	AM	5199.9	5191.1	8.8	0.0	8.8	
36061	AU	5209.8	5209.6	0.2	0.0	0.2	
36062	AL	5174.8	5154.9	19.6	9.5	10.1	
36063	AL	5176.8	5159.0	17.8	7.7	10.1	
36066	1U	5146.7	5141.3	5.4	0.0	5.4	
36066	AL	5169.9	5156.3	13.6	0.0	13.6	
36066	AU	5216.8	5206.4	10.4	0.0	10.4	
36071	AM	5202.5	5193.0	9.5	0.0	9.5	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
36072	AL	5184.8	5170.7	14.1	0.0	14.1	
36076	AU	5223.6	5205.4	18.2	0.0	18.2	
36078	AS	5214.0	5208.0	6.0	0.0	6.0	
36079	1	5142.0	5132.0	10.0	0.0	10.0	
36079	1U	5163.0	5158.0	5.0	0.0	5.0	
36081	1U	5145.0	5140.0	5.0	0.0	5.0	
36081	AL	5181.7	5166.9	14.8	4.8	10.0	
36104	AM	5196.5	5176.9	22.6	13.2	9.4	
36105	AL	5169.9	5162.2	7.7	0.0	7.7	
36105	AM	5186.8	5169.9	16.9	0.0	16.9	
36105	AU	5209.2	5201.7	7.5	0.0	7.5	
36110	AS	5196.6	5193.5	3.1	0.0	3.1	
36113	AL	5168.0	5167.5	0.5	0.0	0.5	
36113	AM	5201.0	5198.0	3.0	0.0	3.0	
36113	AS	5207.3	5206.3	1.0	0.0	1.0	
36114	1	5146.0	5126.0	20.0	0.0	20.0	
36114	2	5126.0	5100.0	26.0	0.0	26.0	
36116	AU	5257.8	5244.8	13.0	0.0	13.0	
36117	AM	5224.3	5209.8	14.5	0.0	14.5	
36118	AU	5209.0	5201.0	8.0	0.0	8.0	
36119	AM	5176.9	5158.6	18.3	0.0	18.3	
36121	AM	5180.6	5174.8	5.8	0.0	5.8	
36122	AM	5158.6	5151.9	6.7	0.0	6.7	
36147	1U	5162.6	5161.4	1.2	0.0	1.2	
36147	AL	5212.3	5204.9	7.4	0.0	7.4	
36147	AM	5219.0	5216.5	2.5	4.2	9.9	
36147	AU	5224.2	5222.7	1.5	0.0	1.5	
36148	2	5110.0	5090.0	20.0	0.0	20.0	TOP/BASE ARE APPROX.
36148	3	5090.0	5074.0	16.0	0.0	16.0	TOP/BASE ARE APPROX.
36149	1U	5175.0	5155.0	20.0	2.6	17.4	
36150	1	5144.0	5110.0	34.0	0.0	34.0	TOP/BASE ARE APPROX.
36150	AS	5223.6	5204.6	19.0	0.0	19.0	
36154	1U	5126.7	5116.3	10.4	0.0	10.4	
36155	AL	5160.1	5156.0	4.1	0.0	4.1	
36155	B	5243.3	5231.3	12.0	0.0	12.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
36156	1U	5125.0	5117.5	7.5	0.0	7.5	
36156	AL	5155.0	5153.0	2.0	0.0	2.0	
36156	AM	5199.5	5171.2	28.3	0.0	28.3	
36169	AM	5169.0	5165.0	4.0	0.0	4.0	
36170	1	5114.0	5095.0	19.0	0.0	19.0	
36170	1U	5137.0	5134.0	3.0	0.0	3.0	
36170	2	5095.0	5073.0	22.0	0.0	22.0	
36170	AL	5158.0	5153.0	5.0	0.0	5.0	
36179	1	5141.0	5118.0	23.0	0.0	23.0	
36179	1U	5163.0	5152.0	11.0	0.0	11.0	
36179	2	5118.0	5090.0	28.0	0.0	28.0	
36182	AS	5222.0	5174.0	48.0	19.0	29.0	
36183	AL	5157.0	5143.0	14.0	1.0	13.0	
36183	AM	5164.0	5162.0	2.0	0.0	2.0	
37305	3	5088.0	5077.0	11.0	0.0	11.0	
37305	4	5061.0	5042.0	19.0	0.0	19.0	
37307	2	5123.0	5105.0	18.0	0.0	18.0	
37307	3	5090.0	5078.0	12.0	3.0	9.0	
37307	4	5056.0	5032.0	24.0	0.0	24.0	
37318	3	5096.0	5075.0	21.0	10.0	11.0	
37320	4	5086.0	5050.0	35.0	11.0	24.0	
37371	3	5090.0	5078.0	12.0	0.0	12.0	
37372	4	5060.0	5035.0	25.0	0.0	25.0	
37376	3	5091.0	5085.0	6.0	0.0	6.0	
37377	5	5033.0	5024.0	9.0	0.0	2.0	
37377	3	5084.0	5082.0	2.0	0.0	2.0	
37377	4	5069.0	5045.0	23.0	4.0	19.0	
37387	2	5108.0	5095.0	13.0	6.0	7.0	
37387	3	5095.0	5072.0	23.0	0.0	23.0	
37387	4	5062.0	5033.0	29.0	8.0	21.0	
37389	2	5106.0	5094.0	12.0	0.0	12.0	
37390	3	5090.0	5073.0	17.0	7.0	10.0	
37391	4	5078.0	5052.0	26.0	0.0	26.0	
37391	5	5046.0	5031.0	15.0	2.0	13.0	
37392	5	5039.0	5032.5	6.5	0.0	6.5	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
37392	4	5068.0	5054.0	14.0	3.0	11.0	
404	1	5143.0	5135.0	8.0	0.0	8.0	ESTIMATED BASE
424	1	5151.5	5141.0	10.5	0.0	10.5	
438	2	5132.0	5120.0	12.0	0.0	12.0	ESTIMATED BASE
5007	1	5141.0	5121.0	20.0	0.0	20.0	
657	1U	5169.0	5145.0	24.0	0.0	24.0	
70	2	5116.0	5096.0	20.0	3.0	17.0	ESTIMATED BASE
83	4	5080.0	5071.0	9.0	0.0	9.0	
84	4	5069.0	5063.0	6.0	0.0	6.0	
861	1	5140.0	5125.0	15.0	0.0	15.0	
862	1	5165.0	5158.0	7.0	0.0	7.0	
876	1	5167.5	5143.0	24.5	0.0	24.5	
878	1	5165.0	5154.0	11.0	0.0	11.0	
880	1	5163.0	5146.0	17.0	0.0	17.0	
881	1	5166.0	5146.0	20.0	0.0	20.0	
973	1	5138.0	5122.0	16.0	0.0	16.0	
973	2	5120.0	5106.0	14.0	0.0	14.0	
975	2	5123.0	5095.0	28.0	10.0	18.0	
975	3	5080.0	5068.0	12.0	0.0	12.0	
975	4	5056.0	5042.0	14.0	9.0	5.0	
975	5	5022.4	5018.4	4.0	0.0	4.0	
975	6	4998.4	4988.4	10.0	3.0	7.0	
975	7	4954.4	4952.4	2.0	0.0	2.0	
975	8	4934.4	4932.4	2.0	0.0	2.0	
975	9	4871.4	4869.4	2.0	0.0	2.0	
995	2	5123.0	5105.0	18.0	10.0	8.0	
995	3	5088.0	5060.0	28.0	0.0	28.0	
995	4	5060.0	5032.0	28.0	10.0	18.0	
995	7	4978.0	4961.0	17.0	0.0	17.0	
995	8	4930.0	4928.0	2.0	0.0	2.0	
995	9	4899.0	4893.0	6.0	0.0	6.0	
AX009	1	5152.0	5150.0	2.0	0.0	2.0	
AX010	1	5145.5	5142.0	3.5	0.0	3.5	
AX019	1	5148.0	5146.0	2.0	0.0	2.0	
AX032	1	5164.0	5154.0	10.0	0.0	10.0	

DENVER FM SANDSTONE TOP AND BASE ELEVATIONS AND THICKNESSES

WELL	ZONE OR UNIT	TOP SANDSTONE ELEVATION	BASE SANDSTONE ELEVATION	GROSS SANDSTONE THICKNESS	SHALE THICKNESS	NET SANDSTONE THICKNESS	COMMENTS
AX033	1	5162.0	5159.0	3.0	0.0	3.0	
AX034	1	5164.0	5144.0	20.0	0.0	20.0	
AX040	1	5157.0	5147.0	10.0	0.0	10.0	
AX042	1	5159.5	5150.0	9.5	0.0	9.5	
AX068	2	5114.0	5107.0	7.0	0.0	7.0	
B-05	2	5112.0	5110.0	2.0	0.0	2.0	
E-69	2	5114.0	5108.0	6.0	0.0	6.0	
E-69	3	5083.0	5072.0	11.0	0.0	11.0	
E-69	4	5056.0	5044.0	12.0	0.0	12.0	
E-75	3	5098.0	5085.0	13.0	0.0	13.0	
E-75	4	5085.0	5077.0	8.0	0.0	8.0	
EP-19	2	5116.0	5098.0	18.0	7.0	11.0	
EP-19	3	5080.0	5068.0	12.0	0.0	12.0	
EP-19	4	5061.0	5032.0	29.0	0.0	29.0	
EP-19	5	5026.0	5017.0	9.0	0.0	9.0	
EP-28	2	5108.0	5090.0	18.0	0.0	18.0	
RM87-4A	1	5139.0	5124.0	15.0	0.0	15.0	

APPENDIX A.2: BEDROCK ELEVATIONS AND SCREENED DENVER FM ZONES OR UNITS

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

EXPLANATION

An estimated bedrock elevation is listed where survey data were unavailable or where, due to the lithologic description from a boring log or other source, the elevation of the bedrock is tenuous.

Where both an estimated bedrock elevation and a bedrock elevation are listed, the estimated bedrock elevation was used to contour the bedrock surface elevation map, because the surveyed elevation was unavailable at the time of contouring.

Wells screened in the alluvium are not included on this list. See Water Chemistry Summary, 3rd Quarter, 1987 for bedrock depths.

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
01006	VC	5247.9	
01007	VC	5270.4	
01008	VC	5251.2	
01012	VC	5258.5	
01013	VC	5257.7	
01014	VC	5262.5	
01015	AU	5262.5	
01016	VC	5261.0	
01018	VC	5258.9	
01019	VC	5250.9	
01022	AM	5199.3	
01023	1U	5198.7	
01025	AU	5185.4	
01026	AL	5185.3	
01028	AS AU	5244.8	
01029	AL	5244.7	
01030	VCE	5251.1	
01031	AU	5253.4	
01032	AM	5251.3	
01034	AM	5238.2	
01035	AL	5238.5	
01036	AU	5250.6	
01037	AML	5250.6	
01039	AU	5244.9	
01040	AML	5244.9	
01042	AL	5243.8	
01043	1	5243.8	
01045	AM	5237.8	
01046	2	5237.8	
01047	VC	5245.3	
01048	2	5245.3	
01049	ALL VC	5240.1	
01050	AS	5240.1	
01052	ALL VC	0.0	5150.0
01053	VCE	0.0	5150.0
01054	ALL VCE	0.0	5150.0
01055	VCE	0.0	5150.0
01056	VCE	0.0	5150.0
01066	VC	5264.9	
01067	AUS	5264.3	
01068	AS AU	5264.7	
01515	VC	5265.7	
01516	VC	5265.1	
01517	VC	5269.6	
01520	VC	5266.1	
01521	VC	5265.6	
01522	VC	5260.5	
01523	VC	5272.5	
01524	VC	5254.4	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
01526	VC	5263.8	
01529	VC	5264.9	
01530	VC	5267.0	
01531	VC	5260.2	
01532	VC	5267.7	
01533	VC	5262.3	
01534	VC	5261.3	
01535	VC	5255.0	
01536	VC	5249.0	
01537	VC	5261.9	
01538	VC	5265.5	
01539	VC	5262.7	
01540	VC	5261.0	
01541	VC	5257.0	
01542	VC	5252.2	
01547	B VCE	5262.3	
01548	VC	5265.0	
01549	VC	5260.6	
01550	VC	5264.3	
01551	VC	5259.7	
01552	VC	5260.1	
01553	VC	5262.1	
01554	VC	5263.4	
01555	VC	5260.8	
01556	VC	5259.1	
01557	VC	5259.4	
01558	VC	5251.8	
01559	VC	5255.7	
01560	VC	5252.5	
01563	VCE	5259.0	
01564	VC	5250.3	
01565	VC	5259.4	
01566	VC	5265.5	
01567	VC	5268.4	
01568	VC	5266.1	
01569	VC	5265.2	
01570	VC	5268.5	
01571	VC	5264.6	
01586	VC	5245.4	
01587	VC	5253.5	
01588	VC	5257.0	
01589	VC	5262.8	
01701	VC	0.0	5253.0
01702	VC	0.0	5244.0
02003	VC	5264.6	
02004	AS	5264.6	
02005	VC	5266.5	
02006	VC	5262.7	
02007	VC	5245.1	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
02009	2	5131.7	
02010	3	5131.8	
02012	1U	5143.8	
02013	2	5143.6	
02015	1U	5180.6	
02016	2	5180.7	
02018	AU	5241.1	
02019	AL	5240.9	
02021	AL	5188.2	
02022	1U	5188.4	
02024	AM	5208.9	
02025	1U	5208.9	
02027	AM	5170.8	
02028	1U	5170.6	
02030	AUM	5259.4	
02031	1U	5259.0	
02032	AML	5233.1	
02033	1U	5233.1	
02035	AMU	5217.7	
02036	1U	5217.7	
02038	AM	5216.1	
02039	1U	5216.1	
02041	AM	5213.1	
02042	1U	5213.1	
02043	AU	5254.2	
02044	AL	5254.2	
02045	AMU	5256.1	
02046	1U	5256.1	
02047	AS	5261.7	
02048	1U	5261.7	
02543	VC	5271.7	
02544	VC	5267.6	
02545	VC	5259.1	
02561	VC	5250.9	
02562	VC	5251.2	
02572	VC	5245.9	
02573	VC	5243.2	
02574	VC	5236.7	
02575	VC	5239.8	
02576	VC	5240.0	
02577	VC	5235.7	
02578	VC	5235.3	
02579	VC	5230.6	
02580	VC	5236.2	
02581	VC	5248.3	
02582	VC	5249.4	
02583	VC	5245.4	
02584	VC	5246.5	
02585	VC	5246.4	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
02594	VC	5263.1	
03003	3	5090.4	
03004	4	5090.8	
03006	2	5136.1	
03007	7	5135.8	
04008	3	5094.8	
04009	5	5094.7	
04011	5	5106.6	
04012	6	5106.6	
05001	B	5287.6	
05002	B	5281.4	
05003	B	5280.9	
06004	A SH	5226.4	
06005	AL LG	5226.6	
07004	B	5271.5	
07005	VC	5270.8	
08004	B	5261.6	
08005	AL LG	5261.2	
09003	2	5125.0	
09004	4	5124.1	
11003	B	5185.1	
11004	AU	5185.1	
12003	B	5225.7	
12004	AU	5225.9	
19001	1	5147.0	
19002	2	5161.5	
19003	1	5174.9	
19005	1 SH	5143.5	
19006	1	5138.2	
19007	1	5142.9	
19011	1	5190.3	
19015	2	5165.6	
19016	3	5164.4	
19017	1	5173.1	
19018	2 SH	5173.0	
19019	4	5173.0	
22002	4 5	5107.4	
22023	4	5064.5	
22024	5	5064.6	
22027	3	5111.1	
22028	4	5111.0	
22030	4	5112.5	
22031	5	5112.4	
22312	3 SH	5094.9	
23023	2	5129.1	
23053	2 SH	51[illegible].5	
23054	1 SH	51[illegible].0	
23055	1	51[illegible].2	
23056	1	513[illegible].9	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
23061	1	5147.8	
23062	1 SH	5139.4	
23106	2 SH	5134.8	
23125	1	5136.6	
23144	2	5128.4	
23154	SH	0.0	5135.0
23155	1	0.0	5125.0
23161	3	5129.0	
23163	3	5137.0	
23167	2	5124.1	
23168	3	5124.1	
23169	4	5124.4	
23171	2	5132.5	
23172	2	5130.9	
23176	2	5131.0	
23177	2	5133.7	
23180	2	5140.8	
23181	2	5140.8	
23182	2	5127.9	
23183	4	5127.0	
23184	5	5127.6	
23185	1 SH	5145.6	
23186	2	5146.6	
23187	4	5146.5	
23189	2	5134.4	
23190	3	5134.3	
23192	3	5138.1	
23193	4	5138.0	
23199	1 SH	5134.3	
23200	3	5127.0	
23201	4	5126.6	
23202	2	5128.8	
23203	2	5128.3	
23204	2	5125.9	
23209	3	5129.3	
23210	8	5128.9	
23218	2	5127.4	5128.4
23219	3	5127.4	5128.4
23226	2	5124.4	
23227	2	5129.8	5131.0
23228	2	5129.8	5131.0
23340	2	0.0	5126.0
24063	2 SH	5138.3	
24080	1	5170.3	
24082	1	5160.9	
24083	1	5153.8	
24086	1	5158.9	
24087	1	5149.4	
24089	1	5156.1	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
24090	1	5152.4	
24108	1	5164.7	
24109	2 SH	5168.8	
24120	3	5152.9	
24124	1	5179.8	
24125	1	5170.8	
24126	1 SH	5144.2	
24127	2	5129.2	
24130	2 SH	5126.6	
24131	3	5120.4	
24132	3	5120.4	
24133	2	5125.9	
24134	3	5125.9	
24135	2	5132.8	
24136	3	5132.8	
24137	4	5132.8	
24138	2	5131.2	
24139	3	5131.2	
24140	2	5120.1	
24141	3	5120.1	
24142	3	5114.1	
24143	4	5114.1	
24144	3	5117.7	
24145	2	5121.3	
24146	3	5121.3	
24147	3	5138.9	
24159	4	5129.1	
24167	2	5129.5	
24168	3	5129.1	
24171	2	5122.7	
24172	5	5122.6	
24174	3	5121.5	
24175	4	5121.8	
24184	2	5128.1	
24191	2	5122.9	5120.0
25004	AS	5249.0	
25005	1	5184.2	
25006	1	5184.2	
25007	1	5157.1	
25008	AS	5202.0	
25009	1	5202.9	
25010	2	5202.4	
25012	1	5177.1	
25013	2	5177.1	
25014	1	5176.7	
25015	1	5157.5	
25016	2	5157.5	
25017	2	5157.5	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
25019	2	5145.7	
25020	4	5145.7	
25021	2	5210.9	
25023	AL	5214.9	
25024	1U	5214.4	
25025	1U	5226.1	
25026	1U	5226.1	
25027	AS	5179.5	
25028	1 SH	5179.4	
25029	1	5179.6	
25030	AS	5186.8	
25031	1	5186.7	
25032	AU	5250.7	
25033	AS	5250.8	
25034	1	5250.5	
25035	VC	5236.1	
25036	AL	5235.9	
25037	1	5236.4	
25039	1U	5184.9	
25040	1	5185.1	
26019	1	5145.4	
26021	1	5137.2	
26022	1	5144.4	
26023	1	5149.3	
26024	1 SH	5153.3	
26025	1 SH	5152.9	
26026	1	5159.2	
26027	1 SH	5165.5	
26028	1 SH	5163.4	
26029	1	5163.6	
26030	1 SH	5173.4	
26031	1	5171.4	
26041	1 SH	5145.2	
26042	2	5141.7	
26043	2	5144.1	
26047	1 SH	5138.7	
26051	1	5166.0	
26052	1	5173.2	
26053	1	5162.5	
26054	1U	5208.3	
26055	1	5206.9	
26056	1U	5205.1	
26057	1	5191.3	
26058	1	5183.6	
26060	2	5176.3	
26061	2	5146.2	
26063	1U	5190.3	
26064	1U	5190.3	
26066	1	5164.7	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
26067	2	5164.7	
26069	2	5161.4	
26071	1	5160.0	
26072	2	5160.0	
26074	1U	5174.0	
26075	1	5174.0	
26077	2	5151.8	
26079	2	5152.6	
26080	3	5152.6	
26082	2	5144.8	
26084	2	5148.8	
26086	1	5178.0	
26089	2	5139.0	
26090	3	5139.0	
26092	2	5157.4	
26094	2	5159.5	
26096	1U	5176.8	
26097	1U	5211.1	
26098	AM	5222.6	
26123	1	5178.4	
26128	1	5160.8	
26129	2	5160.8	
26130	2	5160.9	
26131	1	5165.4	
26132	2	5145.1	
26134	2	5148.7	
26135	4	5148.7	
26136	4	5140.5	
26137	6	5140.5	
26138	3	5138.0	
26139	4 SH	5138.0	
26140	1	5173.6	
26141	2	5173.6	
26142	3 SH	5173.6	
26144	1	5174.4	
26146	2	5140.9	
26147	3	5140.0	
27021	1	5149.4	
27022	1 SH	5151.0	
27029	2	5121.6	
27033	2	5116.0	
27049	2	5140.7	
27054	4	5088.1	
27055	5	5088.0	
27057	3	5095.0	
27058	4	5095.1	
27060	2	5127.8	
27061	5	5127.8	
28025	5	5080.2	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
28026	6	5080.3	
28028	4	5091.7	
28029	5	5091.7	
28030	3	0.0	5100.4
29002	AU	5241.6	
29003	1U	5241.6	
30004	AL	5207.3	
30005	1U	5207.3	
30006	1U	5187.7	
30007	1	5187.7	
30008	3	5187.7	
30010	1	5181.6	
30011	2	5181.6	
31002	VCE	5242.7	
31004	AL	5231.1	
31006	AM	5179.8	
31007	AL	5179.8	
31008	1U	5179.8	
31010	AU	5206.2	
31011	AL	5206.2	
32002	AL	5229.3	
32003	2	5229.3	
33015	4	5095.4	
33016	4	5095.0	
33026	7	5091.6	
33027	8	5090.8	
33029	8	5040.3	
33031	6	5054.5	
33032	7	5054.3	
33034	4	5095.5	
33035	5	5095.3	
34003	3	5106.4	
34004	4	5106.2	
34006	2	5110.4	
34007	4	5110.6	
34009	3	5080.3	
34010	4	5080.1	
35005	1U SH	5177.9	
35008	VCE	5193.7	
35009	1U	5203.8	
35010	1U	5175.3	
35012	1U	5195.8	
35013	A	5260.9	
35014	A	5256.0	
35015	AU	5245.0	
35016	1U	5196.8	
35017	1	5196.8	
35019	2	5188.1	
35021	1U	5192.4	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
35024	AS	5215.8	
35027	AL SH	5211.1	
35028	1U	5211.1	
35030	VCE	5229.4	
35032	1	5179.1	
35033	2	5179.1	
35035	1U	5190.0	
35036	1	5190.0	
35038	1	5165.5	
35039	2	5165.5	
35041	2	5163.7	
35049	1U	5180.9	
35050	AL SH	5210.8	
35051	1U	5210.8	
35054	AL	5205.4	
35055	AU	5262.0	
35056	1U	5261.7	
35059	1U	5177.4	
35060	2	5177.4	
35062	AL	5208.6	
35063	1U	5209.0	
35066	AL	5203.1	
35067	1U	5203.1	
35068	1 2 & 3	5202.9	
35070	1U	5199.4	
35071	AS	5261.0	
35072	1	5261.0	
35073	AS	5251.4	
35074	VC	5251.4	
36002	AL	5210.0	
36003	AS	5217.8	
36004	VCE	5228.1	
36007	AS	5220.3	
36008	AS	5218.1	
36009	AS	5214.9	
36010	AS	5210.5	
36011	AS	5210.9	
36012	AS	5213.5	
36020	AS	5222.9	
36024	AL	5209.5	
36025	A SH	5210.6	
36026	AS	5213.6	
36027	AM	5218.2	
36029	AS	5216.6	
36033	AS	5222.0	
36034	A SH	5223.0	
36036	AS	5218.9	
36037	AS	5216.8	
36038	AS	5214.1	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
36039	A SH	5209.1	
36043	AM	5196.3	
36044	AS	5220.8	
36045	A	5228.5	
36046	A	5223.5	
36047	AS	5222.0	
36055	VC	5229.4	
36056	VC	5217.9	
36057	A	5202.8	
36058	VCE	5236.6	
36059	A SH	5236.6	
36061	1U	5224.4	
36062	VCE	5219.5	
36064	AL	5225.9	
36066	AL	5221.6	
36067	1U	5217.4	
36068	VCE	5224.1	
36069	VCE	5229.5	
36071	AM	5202.5	
36072	AL	5202.5	
36078	A SH	5217.5	
36079	1 SH	5217.5	
36083	1U	5204.7	
36086	VCE	5242.8	
36090	VC	5231.9	
36092	AS	5197.3	
36094	AS	5196.4	
36096	AS	5199.2	
36099	AS	5200.4	
36100	AL	5199.0	
36104	1U	5217.4	
36105	AM	5229.5	
36107	A	5234.3	
36110	AS	5231.0	
36113	1U	5214.5	
36114	1 2	5214.3	
36116	AU	5273.3	
36117	AM	5273.3	
36118	AU	5256.6	
36119	AM	5256.6	
36121	AM	5211.1	
36122	AM	5211.1	
36138	AS	5222.7	
36139	AS	5222.7	
36140	AS	5222.7	
36141	A	5222.0	
36146	AM	5225.5	
36147	1U SH	5225.3	
36148	1 2 & 3	5223.6	

BEDROCK ELEVATIONS AND SCREENED ZONES OR UNITS

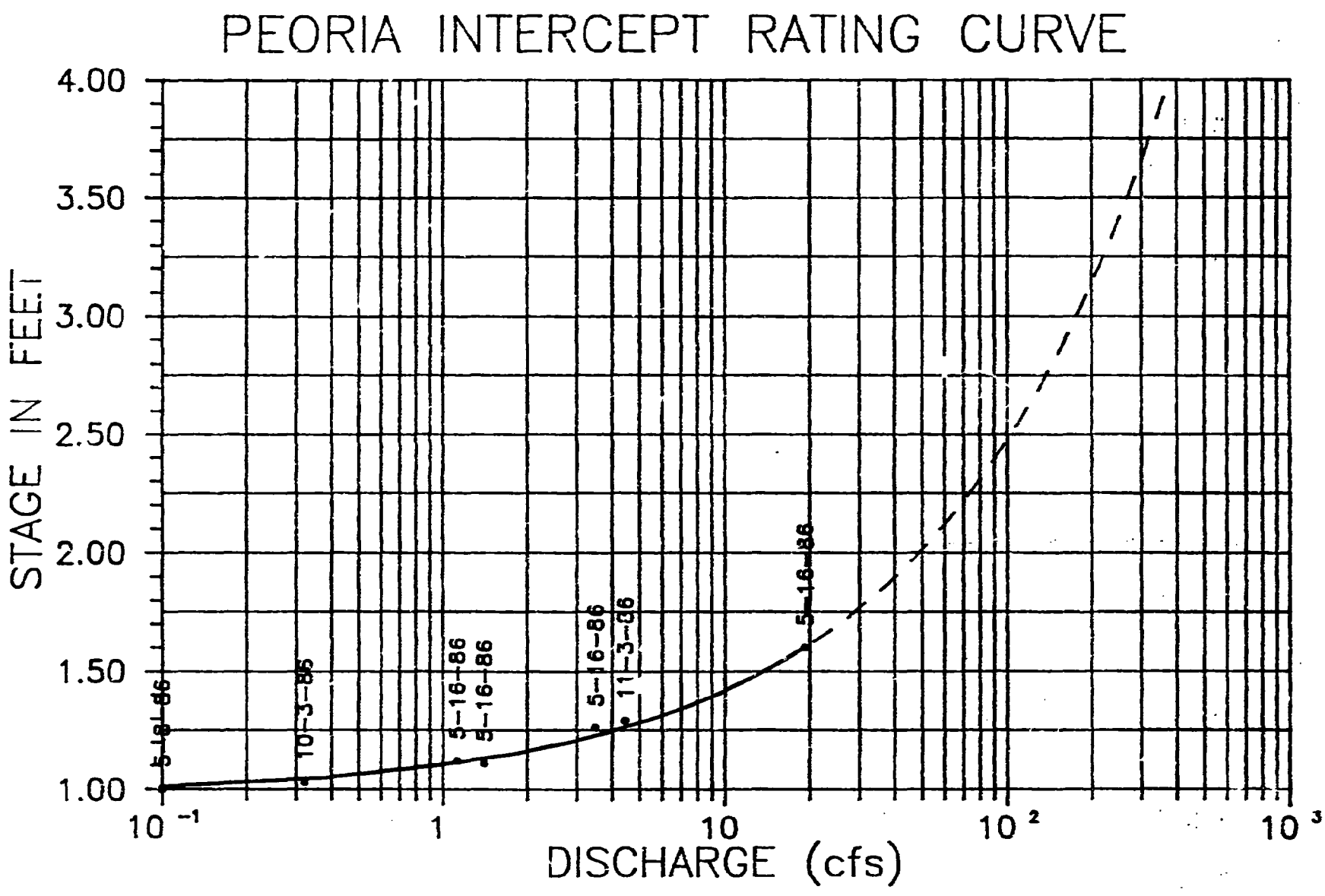
WELL NUMBER	SCREENED ZONE OR UNIT	BEDROCK ELEVATION	ESTIMATED BEDROCK ELEVATION
36149	1U	5224.0	
36151	VC	5257.2	
36152	VC	5232.6	
36153	VC	5228.7	
36154	1U	5246.8	
36155	AL	5246.9	
36156	1U	5238.5	
36157	A	5238.5	
36160	1 SH	5234.5	
36592	A SH	5230.6	
37316	5	5095.0	
37317	4	5095.0	
37318	3	5093.0	
37319	6	5094.0	
37321	4	5095.0	
37322	5	5096.0	
37323	2	5120.0	
37365	4	5076.9	
37371	3	5091.3	5090.0
37372	4	5091.5	5090.0
37376	3	5105.6	5108.7
37379	3	5091.3	5092.3
37380	4	5092.0	5092.3
37382	3	5077.8	5077.8
37387	2	5118.2	5117.4
37388	4	5118.4	5117.4
37390	3	5103.9	5100.0

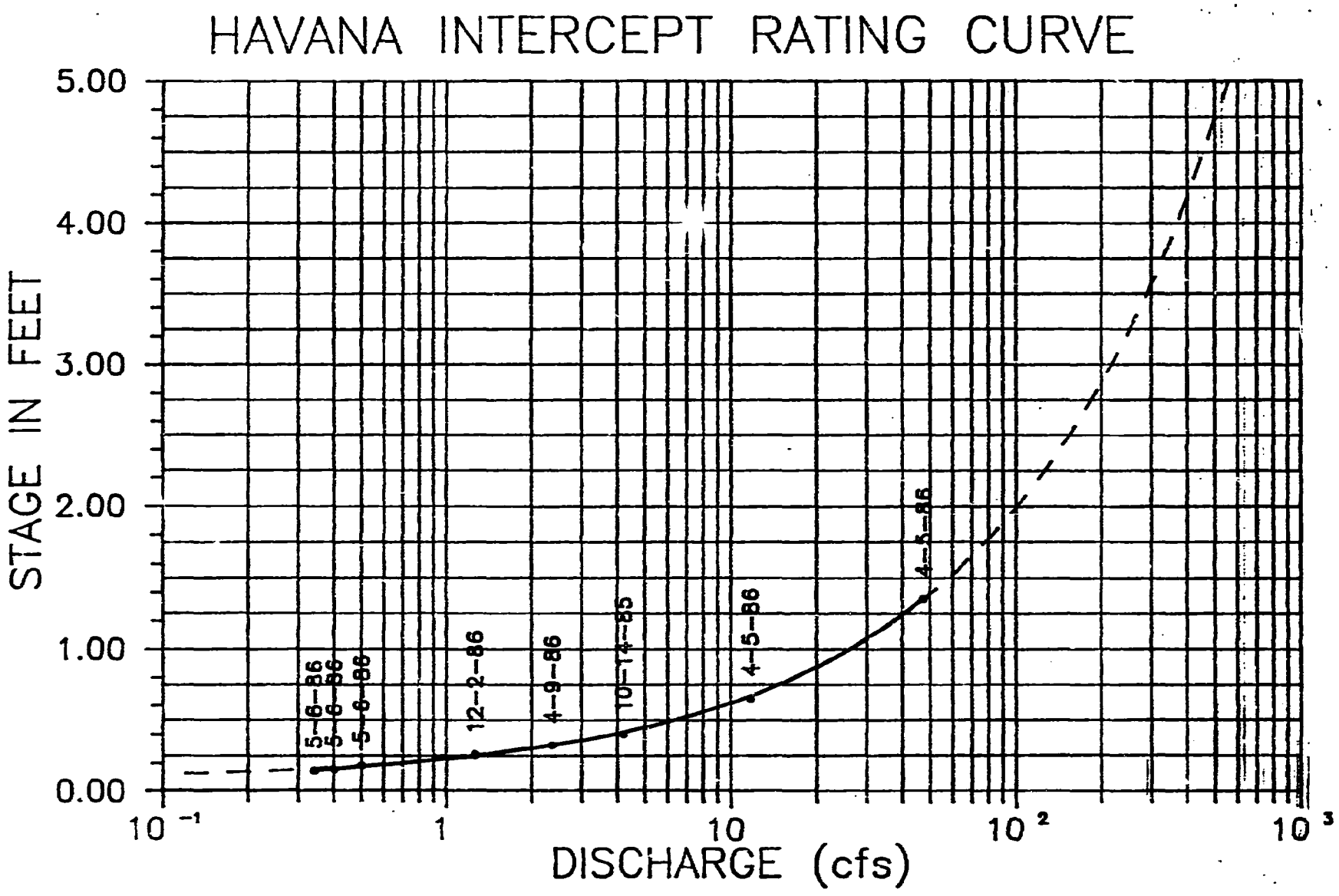
APPENDIX B

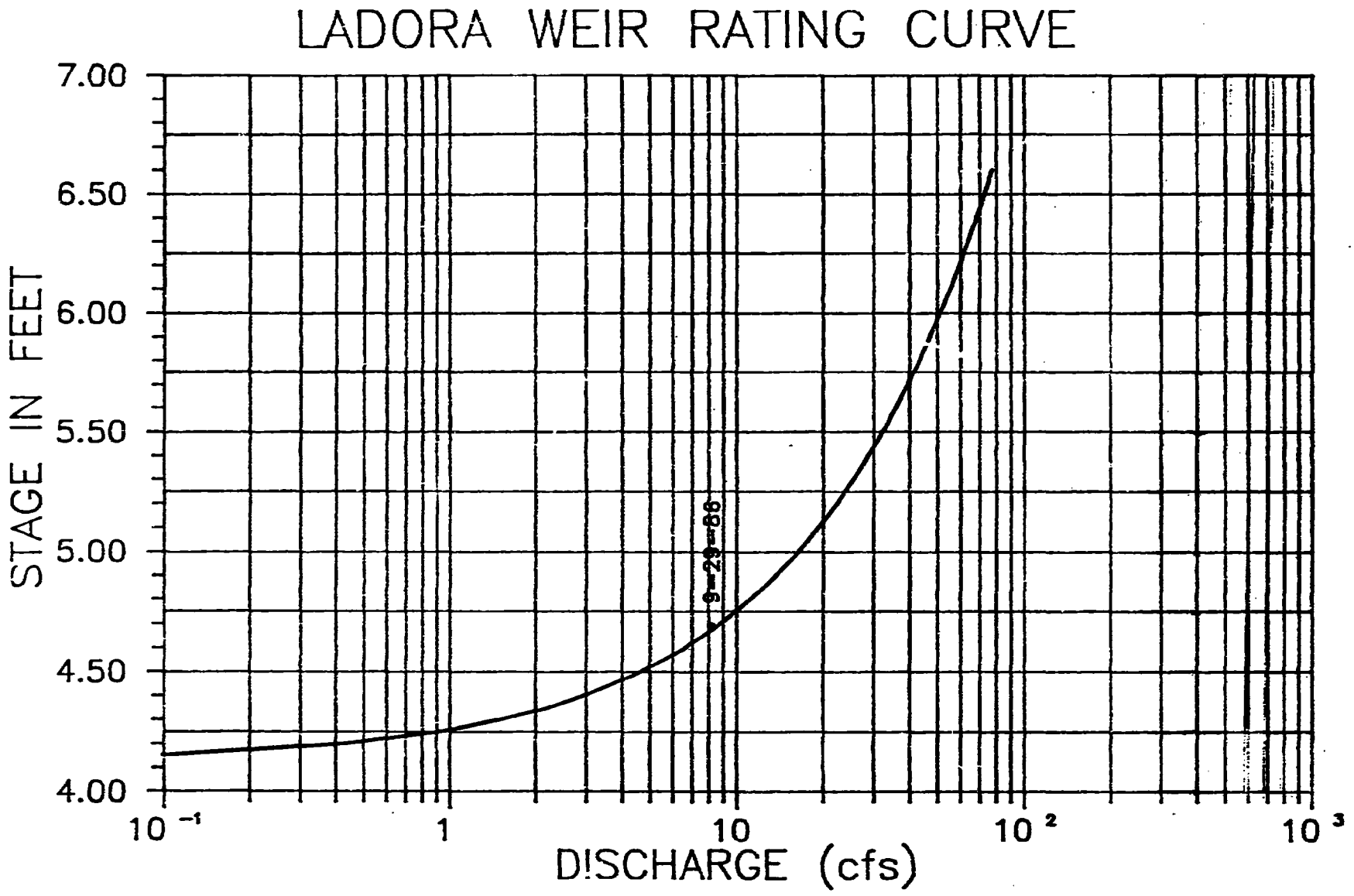
HYDROLOGIC DATA

APPENDIX B.1: SURFACE WATER DATA

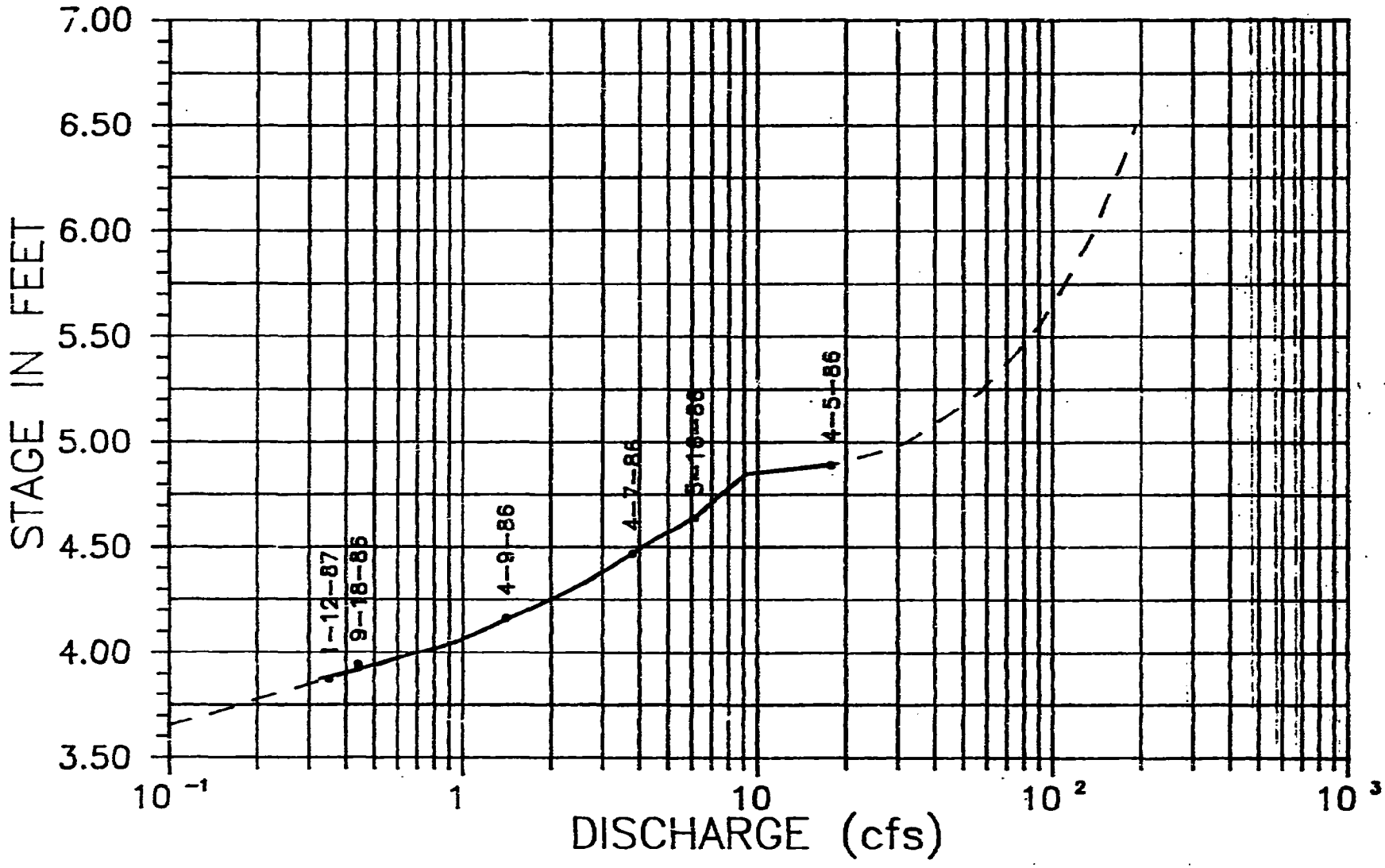
RATING CURVES FOR RMA STREAM GAGING STATIONS

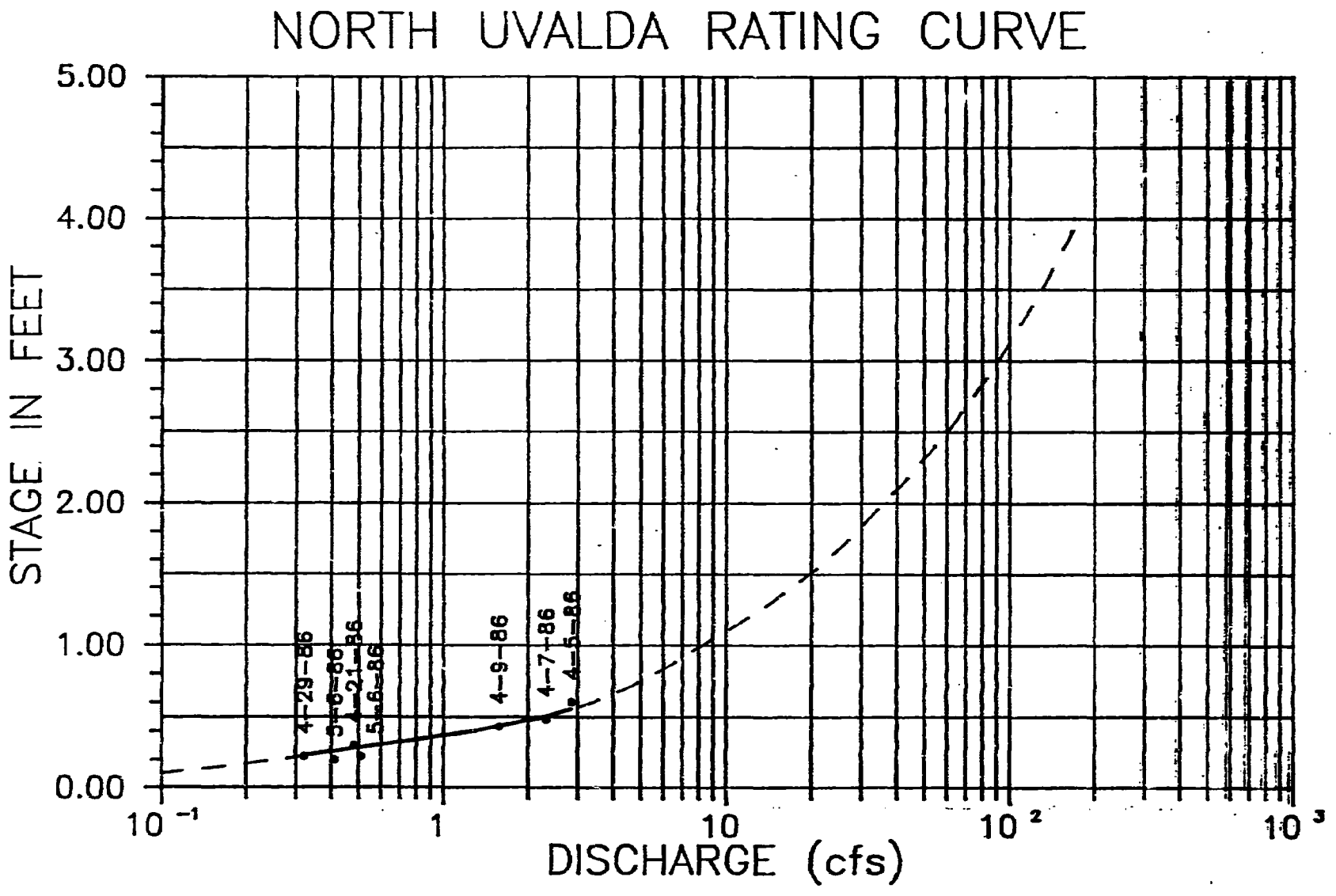

PEORIA INTERCEPT RATING CURVE
STAGE IN FEET
4.00
3.50
3.00
2.50
2.00
1.50
1.00
10 -1
1
10
10 2
10 3
DISCHARGE (cfs)
5-16-86
10-3-85
5-16-86
5-16-86
5-16-86
11-3-86
5-16-86

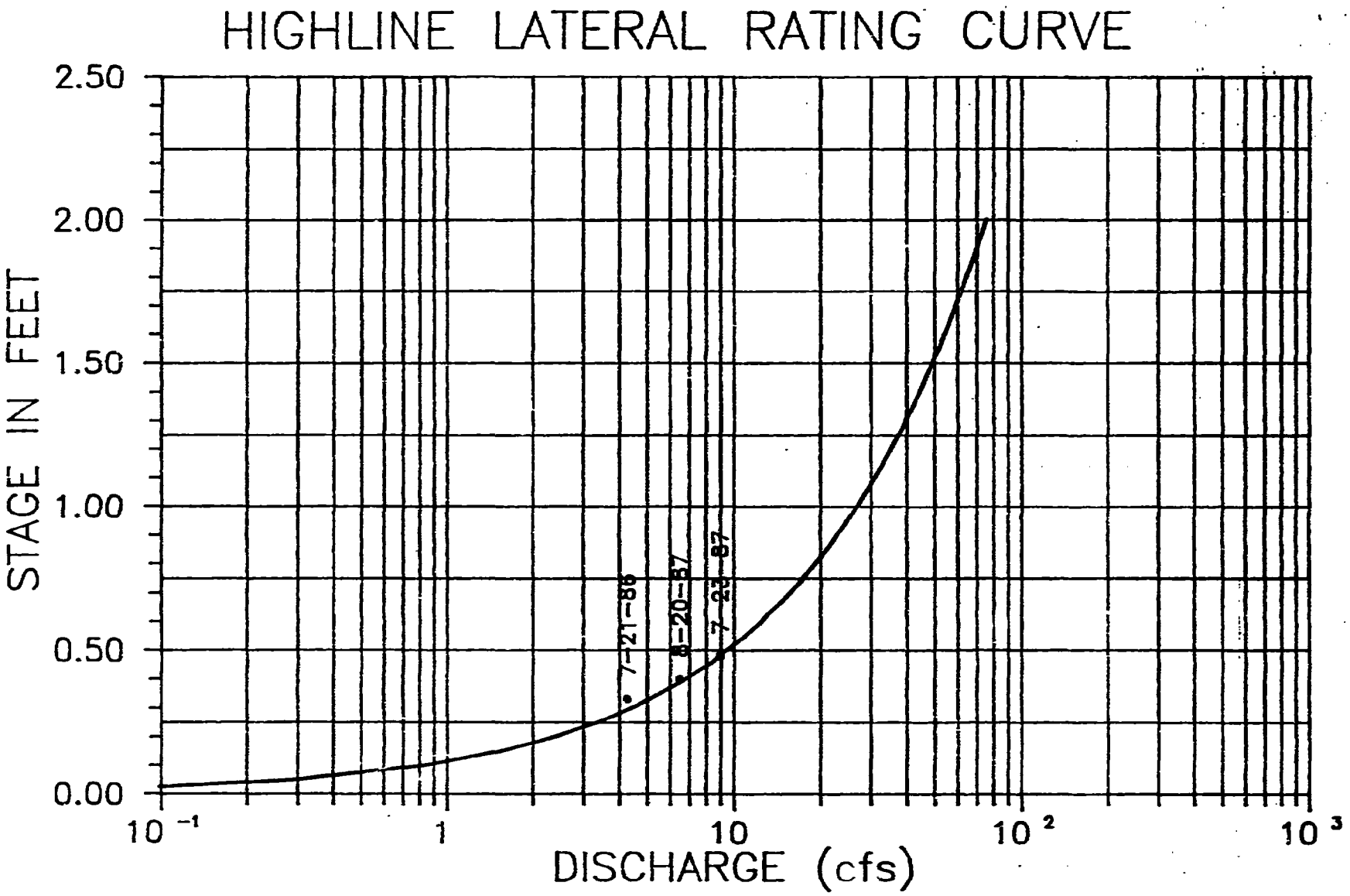

HAVANA INTERCEPT RATING CURVE
STAGE IN FEET
5.00
4.00
3.00
2.00
1.00
0.00
10 -1
1
10
10 2
10 3
DISCHARGE (cfs)
5-6-86
5-6-86
5-6-86
12-2-86
4-9-86
10-14-85
4-5-86
4-5-86

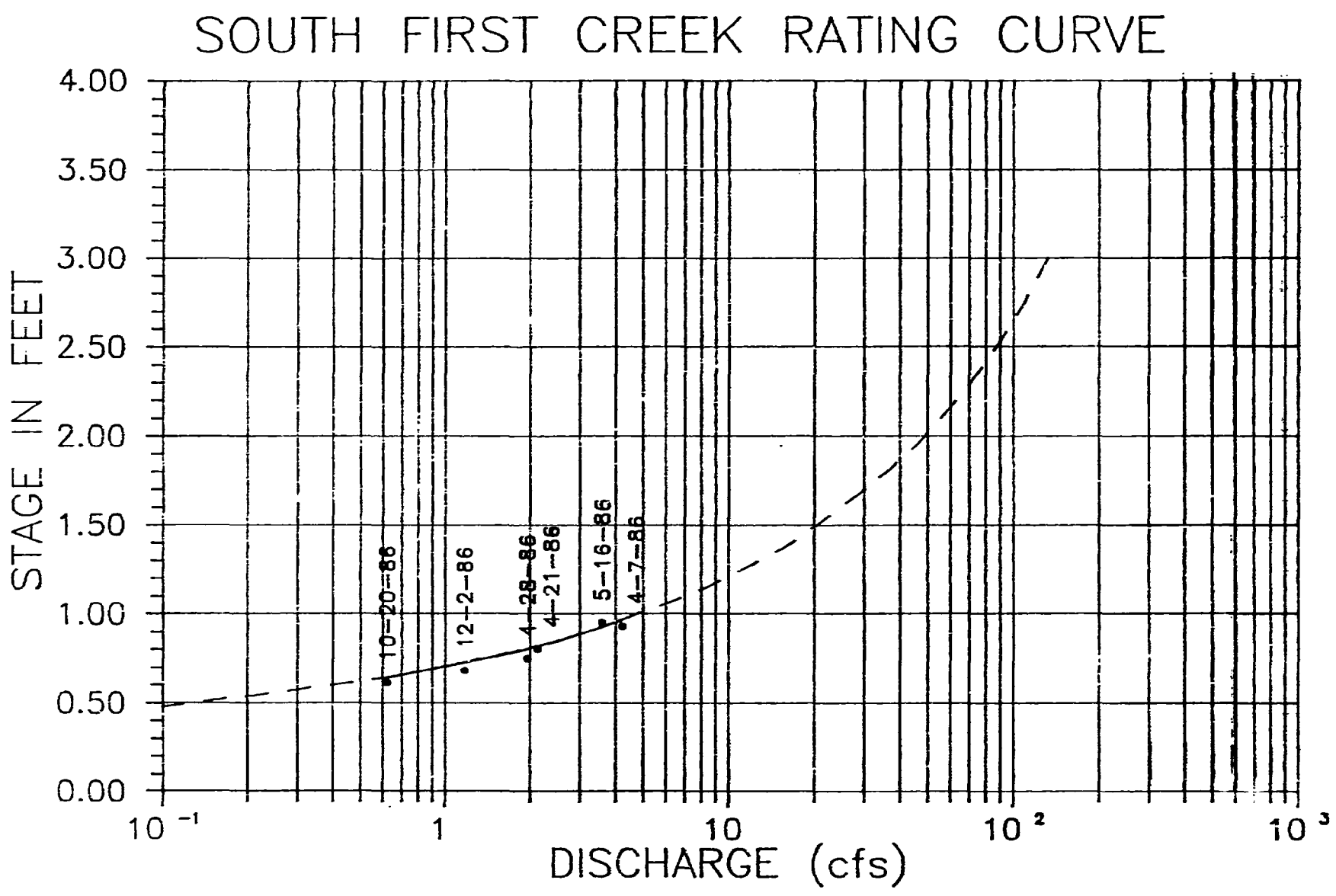

LADORA WEIR RATING CURVE
7.00
6.50
6.00
5.50
5.00
4.50
4.00
STAGE IN FEET
10 -1
1
10
10 2
10 3
DISCHARGE (cfs)

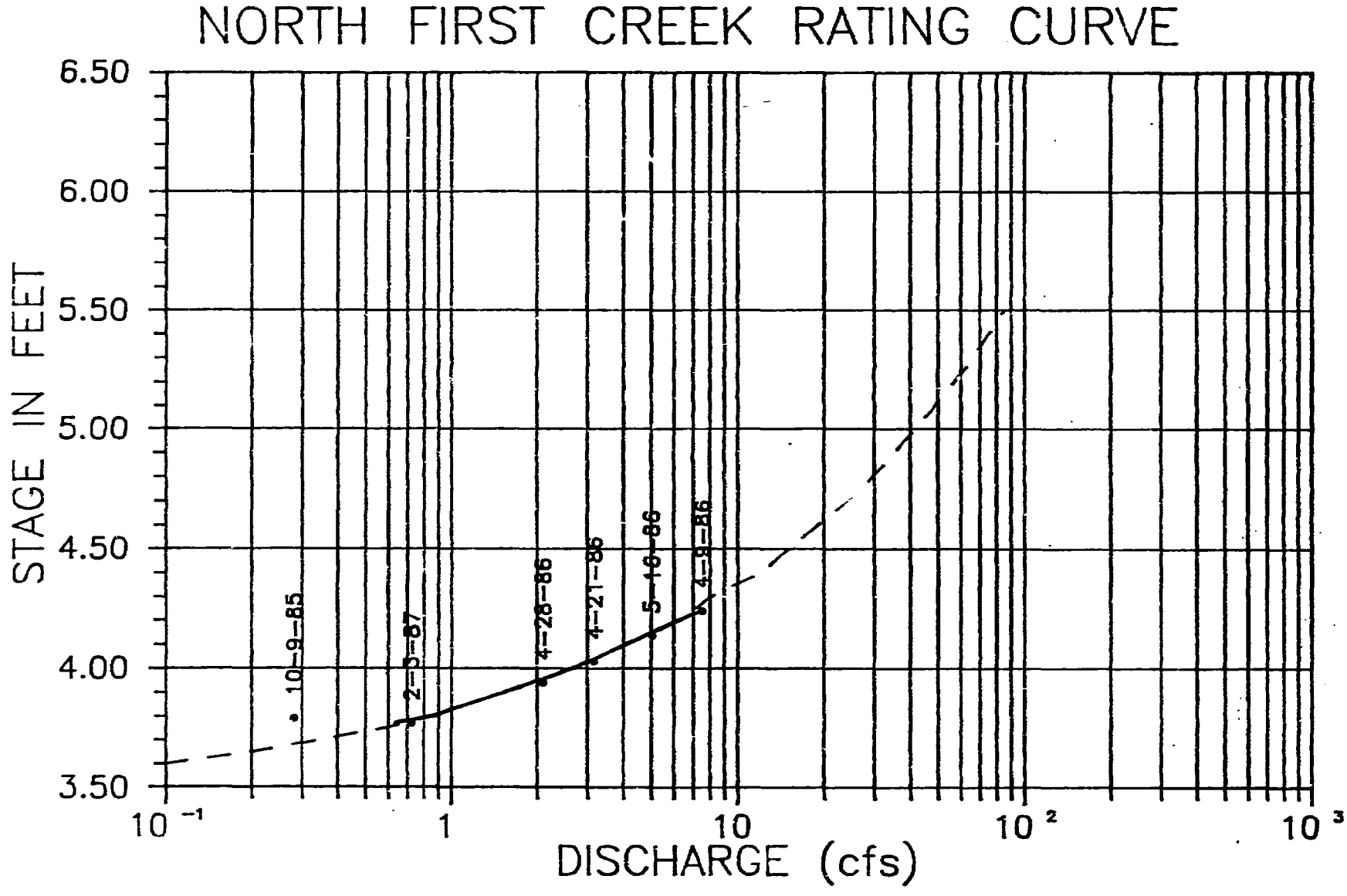
SOUTH UVALDA RATING CURVE

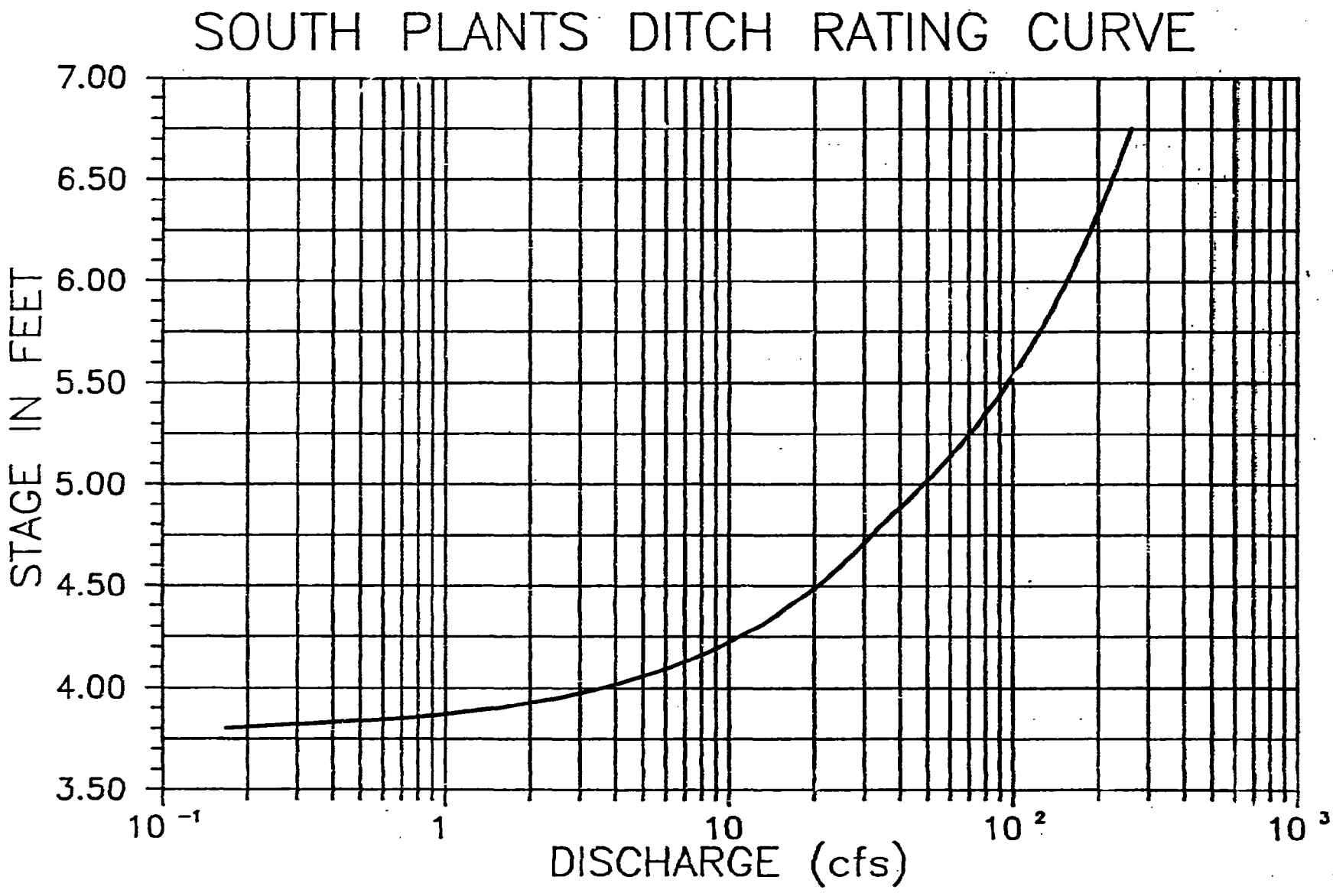


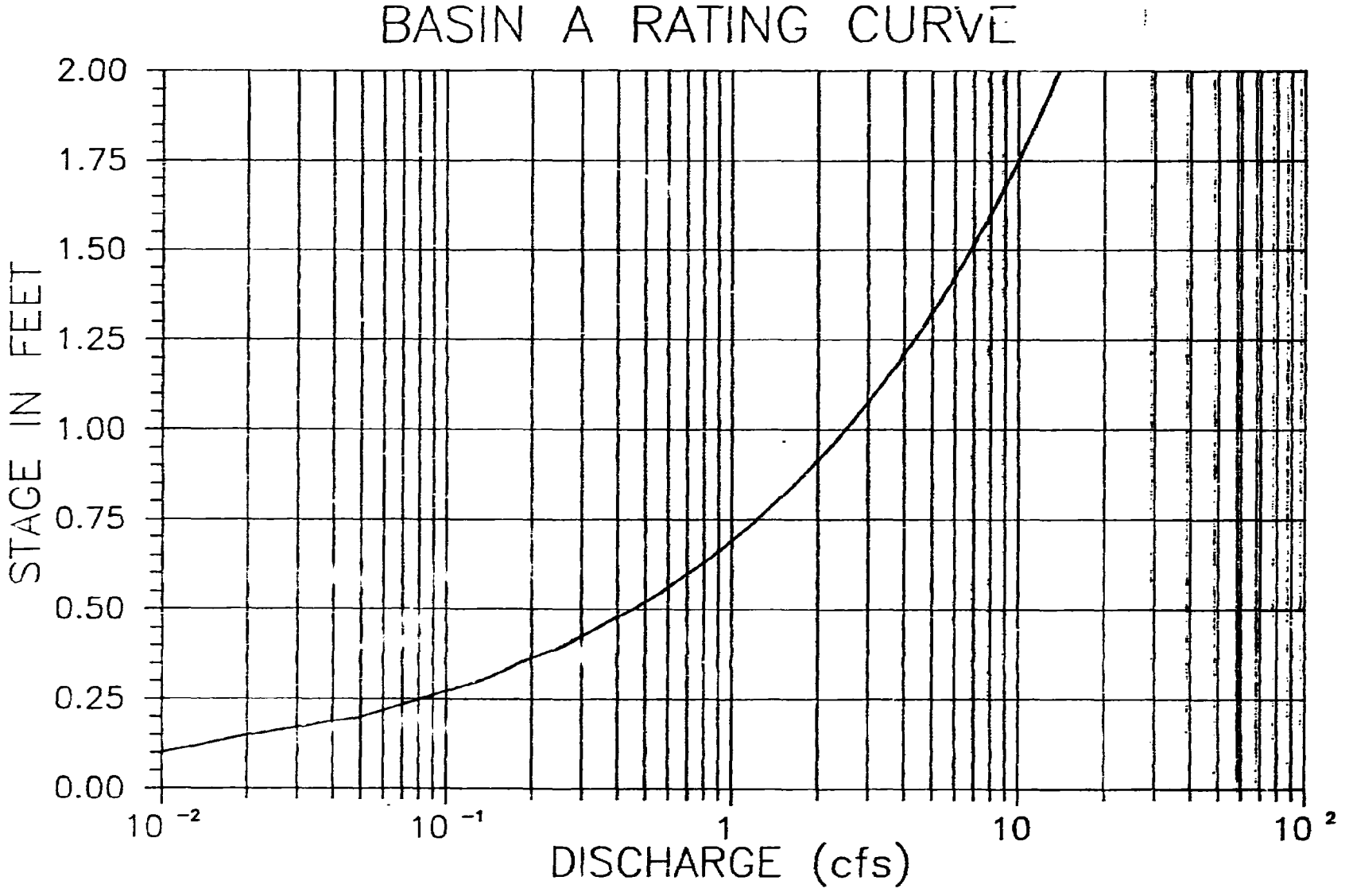

NORTH UVALDA RATING CURVE
STAGE IN FEET
5.00
4.00
3.00
2.00
1.00
0.00
10 -1
1
10
10 2
10 3
DISCHARGE (cfs)
4-29-86
5-6-86
4-21-86
5-6-86
4-9-86
4-7-86
4-5-86

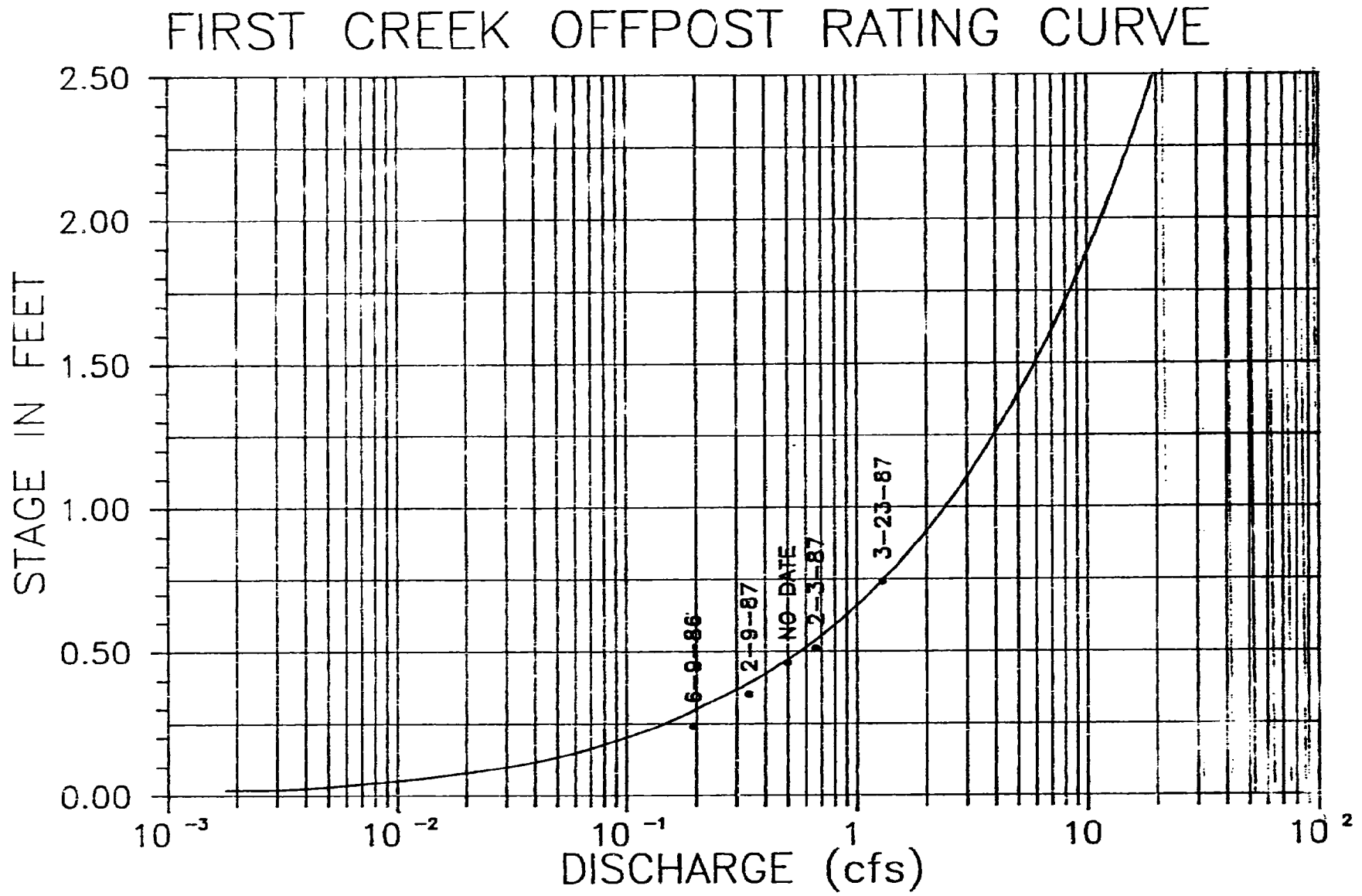

HIGHLINE LATERAL RATING CURVE
STAGE IN FEET
2.50
2.00
1.50
1.00
0.50
0.00
10 -1
1
10
10 2
10 3
DISCHARGE (cfs)
7-21-86
8-20-87
7-23-87


SOUTH FIRST CREEK RATING CURVE
STAGE IN FEET
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
10 -1
1
10
10 2
10 3
DISCHARGE (cfs)
10-20-86
12-2-86
1-28-86
4-21-86
5-16-86
4-7-86


NORTH FIRST CREEK RATING CURVE
STAGE IN FEET
6.50
6.00
5.50
5.00
4.50
4.00
3.50
10 -1
1
10
10 2
10 3
DISCHARGE (cfs)
10-9-85
2-3-87
4-28-86
4-21-86
5-16-86
4-3-86


SOUTH PLANTS DITCH RATING CURVE
STAGE IN FEET
7.00
6.50
6.00
5.50
5.00
4.50
4.00
3.50
10 -1
1
10
10 2
10 3
DISCHARGE (cfs)


BASIN A RATING CURVE
STAGE IN FEET
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
10 -2
10 -1
1
10
10 2
DISCHARGE (cfs)


FIRST CREEK OFFPOST RATING CURVE
STAGE IN FEET
2.50
2.00
1.50
1.00
0.50
0.00
10 -3
10 -2
10 -1
1
10
10 2
DISCHARGE (cfs)
6-0-86
2-9-87
NO DATE
2-3-87
3-23-87

STAGE DISCHARGE AND STAGE AREA TABULATION FOR RMA LOWER LAKES

UPPER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5247.00	-2.25	0.2	0.1	5249.00	-0.25	6.2	6.3
5247.05	-2.20	0.3	0.1	5249.05	-0.20	6.4	6.7
5247.10	-2.15	0.5	0.2	5249.10	-0.15	6.6	7.1
5247.15	-2.10	0.6	0.3	5249.15	-0.10	6.8	7.5
5247.20	-2.05	0.8	0.4	5249.20	-0.05	6.9	7.9
5247.25	-2.00	0.9	0.4	5249.25	0.00	7.1	8.3
5247.30	-1.95	1.0	0.5	5249.30	0.05	7.3	8.7
5247.35	-1.90	1.2	0.6	5249.35	0.10	7.5	9.1
5247.40	-1.85	1.3	0.7	5249.40	0.15	7.7	9.5
5247.45	-1.80	1.5	0.8	5249.45	0.20	7.9	9.9
5247.50	-1.75	1.6	0.9	5249.50	0.25	8.1	10.3
5247.55	-1.70	1.7	0.9	5249.55	0.30	8.2	10.7
5247.60	-1.65	1.9	1.0	5249.60	0.35	8.4	11.1
5247.65	-1.60	2.0	1.1	5249.65	0.40	8.6	11.5
5247.70	-1.55	2.2	1.2	5249.70	0.45	8.8	11.9
5247.75	-1.50	2.3	1.3	5249.75	0.50	9.0	12.3
5247.80	-1.45	2.4	1.3	5249.80	0.55	9.2	12.7
5247.85	-1.40	2.6	1.4	5249.85	0.60	9.3	13.1
5247.90	-1.35	2.7	1.5	5249.90	0.65	9.5	13.5
5247.95	-1.30	2.9	1.6	5249.95	0.70	9.7	13.9
5248.00	-1.25	3.0	1.7	5250.00	0.75	9.9	14.3
5248.05	-1.20	3.2	1.9	5250.05	0.80	10.1	14.9
5248.10	-1.15	3.3	2.1	5250.10	0.85	10.4	15.5
5248.15	-1.10	3.5	2.3	5250.15	0.90	10.6	16.1
5248.20	-1.05	3.6	2.6	5250.20	0.95	10.9	16.8
5248.25	-1.00	3.8	2.8	5250.25	1.00	11.1	17.4
5248.30	-0.95	4.0	3.0	5250.30	1.05	11.3	18.0
5248.35	-0.90	4.1	3.3	5250.35	1.10	11.6	18.6
5248.40	-0.85	4.3	3.5	5250.40	1.15	11.8	19.2
5248.45	-0.80	4.4	3.7	5250.45	1.20	12.1	19.8
5248.50	-0.75	4.6	4.0	5250.50	1.25	12.3	20.5
5248.55	-0.70	4.8	4.2	5250.55	1.30	12.5	21.1
5248.60	-0.65	4.9	4.4	5250.60	1.35	12.8	21.7
5248.65	-0.60	5.1	4.6	5250.65	1.40	13.0	22.3
5248.70	-0.55	5.2	4.9	5250.70	1.45	13.3	22.9
5248.75	-0.50	5.4	5.1	5250.75	1.50	13.5	23.5
5248.80	-0.45	5.6	5.3	5250.80	1.55	13.7	24.1
5248.85	-0.40	5.7	5.6	5250.85	1.60	14.0	24.8
5248.90	-0.35	5.9	5.8	5250.90	1.65	14.2	25.4
5248.95	-0.30	6.0	6.0	5250.95	1.70	14.5	26.0

UPPER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5251.00	1.75	14.7	26.6	5253.00	3.75	28.7	69.1
5251.05	1.80	15.0	27.5	5253.05	3.80	29.1	70.7
5251.10	1.85	15.3	28.4	5253.10	3.85	29.5	72.4
5251.15	1.90	15.6	29.3	5253.15	3.90	29.9	74.0
5251.20	1.95	15.9	30.2	5253.20	3.95	30.4	75.7
5251.25	2.00	16.2	31.0	5253.25	4.00	30.8	77.3
5251.30	2.05	16.5	31.9	5253.30	4.05	31.2	79.0
5251.35	2.10	16.8	32.8	5253.35	4.10	31.6	80.6
5251.40	2.15	17.1	33.7	5253.40	4.15	32.0	82.2
5251.45	2.20	17.4	34.6	5253.45	4.20	32.4	83.9
5251.50	2.25	17.8	35.5	5253.50	4.25	32.9	85.5
5251.55	2.30	18.1	36.4	5253.55	4.30	33.3	87.2
5251.60	2.35	18.4	37.3	5253.60	4.35	33.7	88.8
5251.65	2.40	18.7	38.1	5253.65	4.40	34.1	90.5
5251.70	2.45	19.0	39.0	5253.70	4.45	34.5	92.1
5251.75	2.50	19.3	39.9	5253.75	4.50	34.9	93.7
5251.80	2.55	19.6	40.8	5253.80	4.55	35.3	95.4
5251.85	2.60	19.9	41.7	5253.85	4.60	35.8	97.0
5251.90	2.65	20.2	42.6	5253.90	4.65	36.2	98.7
5251.95	2.70	20.5	43.5	5253.95	4.70	36.6	100.3
5252.00	2.75	20.8	44.4	5254.00	4.75	37.0	102.0
5252.05	2.80	21.2	45.6	5254.05	4.80	37.4	104.0
5252.10	2.85	21.6	46.8	5254.10	4.85	37.8	106.1
5252.15	2.90	22.0	48.1	5254.15	4.90	38.2	108.1
5252.20	2.95	22.4	49.3	5254.20	4.95	38.6	110.2
5252.25	3.00	22.8	50.5	5254.25	5.00	39.1	112.2
5252.30	3.05	23.2	51.8	5254.30	5.05	39.5	114.3
5252.35	3.10	23.6	53.0	5254.35	5.10	39.9	116.3
5252.40	3.15	24.0	54.3	5254.40	5.15	40.3	118.4
5252.45	3.20	24.4	55.5	5254.45	5.20	40.7	120.4
5252.50	3.25	24.8	56.7	5254.50	5.25	41.1	122.5
5252.55	3.30	25.1	58.0	5254.55	5.30	41.5	124.6
5252.60	3.35	25.5	59.2	5254.60	5.35	41.9	126.6
5252.65	3.40	25.9	60.4	5254.65	5.40	42.3	128.7
5252.70	3.45	26.3	61.7	5254.70	5.45	42.7	130.7
5252.75	3.50	26.7	62.9	5254.75	5.50	43.2	132.8
5252.80	3.55	27.1	64.2	5254.80	5.55	43.6	134.8
5252.85	3.60	27.5	65.4	5254.85	5.60	44.0	136.9
5252.90	3.65	27.9	66.6	5254.90	5.65	44.4	138.9
5252.95	3.70	28.3	67.9	5254.95	5.70	44.8	141.0

UPPER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5255.00	5.75	45.2	143.1	5257.00	7.75	61.0	249.4
5255.05	5.80	45.6	145.5	5257.05	7.80	61.4	252.6
5255.10	5.85	46.0	148.0	5257.10	7.85	61.8	255.9
5255.15	5.90	46.4	150.4	5257.15	7.90	62.2	259.1
5255.20	5.95	46.8	152.9	5257.20	7.95	62.6	262.4
5255.25	6.00	47.2	155.4	5257.25	8.00	63.0	265.6
5255.30	6.05	47.6	157.8	5257.30	8.05	63.4	268.9
5255.35	6.10	48.0	160.3	5257.35	8.10	63.8	272.1
5255.40	6.15	48.4	162.7	5257.40	8.15	64.2	275.4
5255.45	6.20	48.8	165.2	5257.45	8.20	64.6	278.6
5255.50	6.25	49.2	167.7	5257.50	8.25	65.0	281.9
5255.55	6.30	49.6	170.1	5257.55	8.30	65.4	285.1
5255.60	6.35	50.0	172.6	5257.60	8.35	65.8	288.4
5255.65	6.40	50.4	175.0	5257.65	8.40	66.2	291.6
5255.70	6.45	50.8	177.5	5257.70	8.45	66.6	294.9
5255.75	6.50	51.2	180.0	5257.75	8.50	67.0	298.1
5255.80	6.55	51.6	182.4	5257.80	8.55	67.4	301.4
5255.85	6.60	52.0	184.9	5257.85	8.60	67.8	304.6
5255.90	6.65	52.4	187.3	5257.90	8.65	68.2	307.9
5255.95	6.70	52.8	189.8	5257.95	8.70	68.6	311.1
5256.00	6.75	53.2	192.3	5258.00	8.75	69.0	314.4
5256.05	6.80	53.6	195.1	5258.05	8.80	69.4	318.0
5256.10	6.85	54.0	198.0	5258.10	8.85	69.8	321.6
5256.15	6.90	54.4	200.8	5258.15	8.90	70.2	325.3
5256.20	6.95	54.8	203.7	5258.20	8.95	70.6	328.9
5256.25	7.00	55.2	206.5	5258.25	9.00	71.0	332.6
5256.30	7.05	55.5	209.4	5258.30	9.05	71.4	336.2
5256.35	7.10	55.9	212.2	5258.35	9.10	71.8	339.9
5256.40	7.15	56.3	215.1	5258.40	9.15	72.2	343.5
5256.45	7.20	56.7	217.9	5258.45	9.20	72.6	347.2
5256.50	7.25	57.1	220.8	5258.50	9.25	73.0	350.8
5256.55	7.30	57.5	223.7	5258.55	9.30	73.3	354.5
5256.60	7.35	57.9	226.5	5258.60	9.35	73.7	358.1
5256.65	7.40	58.3	229.4	5258.65	9.40	74.1	361.8
5256.70	7.45	58.7	232.2	5258.70	9.45	74.5	365.4
5256.75	7.50	59.1	235.1	5258.75	9.50	74.9	369.1
5256.80	7.55	59.4	237.9	5258.80	9.55	75.3	372.7
5256.85	7.60	59.8	240.8	5258.85	9.60	75.7	376.4
5256.90	7.65	60.2	243.6	5258.90	9.65	76.1	380.0
5256.95	7.70	60.6	246.5	5258.95	9.70	76.5	383.7

UPPER DERBY LAKE

ELEVATION (Ft., msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft., msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5259.00	9.75	76.9	387.3	5261.00	11.75	93.5	557.5
5259.05	9.80	77.3	391.3	5261.05	11.80	93.9	562.4
5259.10	9.85	77.7	395.4	5261.10	11.85	94.3	567.3
5259.15	9.90	78.1	399.4	5261.15	11.90	94.7	572.1
5259.20	9.95	78.5	403.5	5261.20	11.95	95.2	577.0
5259.25	10.00	78.9	407.5	5261.25	12.00	95.6	581.9
5259.30	10.05	79.3	411.6	5261.30	12.05	96.0	586.8
5259.35	10.10	79.7	415.6	5261.35	12.10	96.4	591.7
5259.40	10.15	80.1	419.7	5261.40	12.15	96.8	596.6
5259.45	10.20	80.5	423.7	5261.45	12.20	97.2	601.4
5259.50	10.25	81.0	427.8	5261.50	12.25	97.7	606.3
5259.55	10.30	81.4	431.8	5261.55	12.30	98.1	611.2
5259.60	10.35	81.8	435.9	5261.60	12.35	98.5	616.1
5259.65	10.40	82.2	439.9	5261.65	12.40	98.9	621.0
5259.70	10.45	82.6	444.0	5261.70	12.45	99.3	625.9
5259.75	10.50	83.0	448.0	5261.75	12.50	99.7	630.7
5259.80	10 55	83.4	452.1	5261.80	12.55	100.1	635.6
5259.85	10.60	83.8	456.1	5261.85	12.60	100.6	640.5
5259.90	10.65	84.2	460.2	5261.90	12.65	101.0	645.4
5259.95	10.70	84.6	464.2	5261.95	12.70	101.4	650.3
5260.00	10.75	85.0	468.3	5262.00	12.75	101.8	655.2

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5231.00	0.00	0.9	0.2	5233.00	2.00	6.5	7.4
5231.05	0.05	1.0	0.3	5233.05	2.05	6.7	7.8
5231.10	0.10	1.2	0.4	5233.10	2.10	6.9	8.2
5231.15	0.15	1.3	0.5	5233.15	2.15	7.0	8.6
5231.20	0.20	1.4	0.6	5233.20	2.20	7.2	9.0
5231.25	0.25	1.6	0.7	5233.25	2.25	7.4	9.4
5231.30	0.30	1.7	0.8	5233.30	2.30	7.6	9.9
5231.35	0.35	1.8	1.0	5233.35	2.35	7.7	10.3
5231.40	0.40	1.9	1.1	5233.40	2.40	7.9	10.7
5231.45	0.45	2.1	1.2	5233.45	2.45	8.1	11.1
5231.50	0.50	2.2	1.3	5233.50	2.50	8.3	11.5
5231.55	0.55	2.3	1.4	5233.55	2.55	8.4	11.9
5231.60	0.60	2.5	1.5	5233.60	2.60	8.6	12.3
5231.65	0.65	2.6	1.6	5233.65	2.65	8.8	12.7
5231.70	0.70	2.7	1.7	5233.70	2.70	9.0	13.2
5231.75	0.75	2.9	1.8	5233.75	2.75	9.1	13.6
5231.80	0.80	3.0	1.9	5233.80	2.80	9.3	14.0
5231.85	0.85	3.1	2.1	5233.85	2.85	9.5	14.4
5231.90	0.90	3.2	2.2	5233.90	2.90	9.7	14.8
5231.95	0.95	3.4	2.3	5233.95	2.95	9.8	15.2
5232.00	1.00	3.5	2.4	5234.00	3.00	10.0	15.6
5232.05	1.05	3.7	2.6	5234.05	3.05	10.2	16.2
5232.10	1.10	3.8	2.9	5234.10	3.10	10.5	16.9
5232.15	1.15	4.0	3.1	5234.15	3.15	10.7	17.5
5232.20	1.20	4.1	3.4	5234.20	3.20	10.9	18.1
5232.25	1.25	4.3	3.6	5234.25	3.25	11.2	18.7
5232.30	1.30	4.4	3.9	5234.30	3.30	11.4	19.3
5232.35	1.35	4.6	4.1	5234.35	3.35	11.6	19.9
5232.40	1.40	4.7	4.4	5234.40	3.40	11.8	20.5
5232.45	1.45	4.9	4.6	5234.45	3.45	12.1	21.2
5232.50	1.50	5.0	4.9	5234.50	3.50	12.3	21.8
5232.55	1.55	5.2	5.1	5234.55	3.55	12.5	22.4
5232.60	1.60	5.3	5.4	5234.60	3.60	12.8	23.0
5232.65	1.65	5.5	5.6	5234.65	3.65	13.0	23.6
5232.70	1.70	5.6	5.9	5234.70	3.70	13.2	24.2
5232.75	1.75	5.8	6.1	5234.75	3.75	13.5	24.8
5232.80	1.80	5.9	6.4	5234.80	3.80	13.7	25.4
5232.85	1.85	6.1	6.6	5234.85	3.85	13.9	26.1
5232.90	1.90	6.2	6.9	5234.90	3.90	14.1	26.7
5232.95	1.95	6.4	7.1	5234.95	3.95	14.4	27.3

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5235.00	4.00	14.6	27.9	5237.00	6.00	21.7	63.6
5235.05	4.05	14.7	28.7	5237.05	6.05	21.9	64.8
5235.10	4.10	14.9	29.5	5237.10	6.10	22.2	66.0
5235.15	4.15	15.0	30.3	5237.15	6.15	22.4	67.2
5235.20	4.20	15.2	31.1	5237.20	6.20	22.6	68.4
5235.25	4.25	15.3	31.9	5237.25	6.25	22.8	69.6
5235.30	4.30	15.5	32.7	5237.30	6.30	23.0	70.8
5235.35	4.35	15.6	33.5	5237.35	6.35	23.3	72.0
5235.40	4.40	15.8	34.3	5237.40	6.40	23.5	73.2
5235.45	4.45	15.9	35.1	5237.45	6.45	23.7	74.4
5235.50	4.50	16.1	36.0	5237.50	6.50	24.0	75.6
5235.55	4.55	16.2	36.8	5237.55	6.55	24.2	76.7
5235.60	4.60	16.3	37.6	5237.60	6.60	24.4	77.9
5235.65	4.65	16.5	38.4	5237.65	6.65	24.6	79.1
5235.70	4.70	16.6	39.2	5237.70	6.70	24.9	80.3
5235.75	4.75	16.8	40.0	5237.75	6.75	25.1	81.5
5235.80	4.80	16.9	40.8	5237.80	6.80	25.3	82.7
5235.85	4.85	17.1	41.6	5237.85	6.85	25.5	83.9
5235.90	4.90	17.2	42.4	5237.90	6.90	25.8	85.1
5235.95	4.95	17.4	43.2	5237.95	6.95	26.0	86.3
5236.00	5.00	17.5	44.0	5238.00	7.00	26.2	87.5
5236.05	5.05	17.7	45.0	5238.05	7.05	26.5	89.0
5236.10	5.10	17.9	46.0	5238.10	7.10	26.8	90.4
5236.15	5.15	18.1	46.9	5238.15	7.15	27.1	91.9
5236.20	5.20	18.3	47.9	5238.20	7.20	27.3	93.3
5236.25	5.25	18.6	48.9	5238.25	7.25	27.6	94.8
5236.30	5.30	18.8	49.9	5238.30	7.30	27.9	96.2
5236.35	5.35	19.0	50.9	5238.35	7.35	28.2	97.7
5236.40	5.40	19.2	51.8	5238.40	7.40	28.5	99.1
5236.45	5.45	19.4	52.8	5238.45	7.45	28.8	100.6
5236.50	5.50	19.6	53.8	5238.50	7.50	29.1	102.1
5236.55	5.55	19.8	54.8	5238.55	7.55	29.3	103.5
5236.60	5.60	20.0	55.8	5238.60	7.60	29.6	105.0
5236.65	5.65	20.2	56.7	5238.65	7.65	29.9	106.4
5236.70	5.70	20.4	57.7	5238.70	7.70	30.2	107.9
5236.75	5.75	20.7	58.7	5238.75	7.75	30.5	109.3
5236.80	5.80	20.9	59.7	5238.80	7.80	30.8	110.8
5236.85	5.85	21.1	60.7	5238.85	7.85	31.0	112.2
5236.90	5.90	21.3	61.6	5238.90	7.90	31.3	113.7
5236.95	5.95	21.5	62.6	5238.95	7.95	31.6	115.1

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5239.00	8.00	31.9	116.6	5241.00	10.00	43.5	192.1
5239.05	8.05	32.2	118.3	5241.05	10.05	43.8	194.4
5239.10	8.10	32.5	120.1	5241.10	10.10	44.1	196.7
5239.15	8.15	32.8	121.8	5241.15	10.15	44.4	199.0
5239.20	8.20	33.1	123.6	5241.20	10.20	44.6	201.4
5239.25	8.25	33.4	125.3	5241.25	10.25	44.9	203.7
5239.30	8.30	33.7	127.0	5241.30	10.30	45.2	206.0
5239.35	8.35	34.0	128.8	5241.35	10.35	45.5	208.3
5239.40	8.40	34.3	130.5	5241.40	10.40	45.8	210.6
5239.45	8.45	34.6	132.3	5241.45	10.45	46.1	212.9
5239.50	8.50	34.9	134.0	5241.50	10.50	46.4	215.3
5239.55	8.55	35.1	135.7	5241.55	10.55	46.6	217.6
5239.60	8.60	35.4	137.5	5241.60	10.60	46.9	219.9
5239.65	8.65	35.7	139.2	5241.65	10.65	47.2	222.2
5239.70	8.70	36.0	141.0	5241.70	10.70	47.5	224.5
5239.75	8.75	36.3	142.7	5241.75	10.75	47.8	226.8
5239.80	8.80	36.6	144.4	5241.80	10.80	48.1	229.1
5239.85	8.85	36.9	146.2	5241.85	10.85	48.3	231.5
5239.90	8.90	37.2	147.9	5241.90	10.90	48.6	233.8
5239.95	8.95	37.5	149.7	5241.95	10.95	48.9	236.1
5240.00	9.00	37.8	151.4	5242.00	11.00	49.2	238.4
5240.05	9.05	38.1	153.4	5242.05	11.05	49.5	241.0
5240.10	9.10	38.4	155.5	5242.10	11.10	49.8	243.6
5240.15	9.15	38.7	157.5	5242.15	11.15	50.0	246.2
5240.20	9.20	38.9	159.5	5242.20	11.20	50.3	248.8
5240.25	9.25	39.2	161.6	5242.25	11.25	50.6	251.4
5240.30	9.30	39.5	163.6	5242.30	11.30	50.9	254.0
5240.35	9.35	39.8	165.6	5242.35	11.35	51.1	256.6
5240.40	9.40	40.1	167.7	5242.40	11.40	51.4	259.2
5240.45	9.45	40.4	169.7	5242.45	11.45	51.7	261.8
5240.50	9.50	40.7	171.8	5242.50	11.50	52.0	264.4
5240.55	9.55	40.9	173.8	5242.55	11.55	52.2	267.0
5240.60	9.60	41.2	175.8	5242.60	11.60	52.5	269.6
5240.65	9.65	41.5	177.9	5242.65	11.65	52.8	272.2
5240.70	9.70	41.8	179.9	5242.70	11.70	53.1	274.8
5240.75	9.75	42.1	181.9	5242.75	11.75	53.3	277.4
5240.80	9.80	42.4	184.0	5242.80	11.80	53.6	280.0
5240.85	9.85	42.6	186.0	5242.85	11.85	53.9	282.6
5240.90	9.90	42.9	188.0	5242.90	11.90	54.2	285.2
5240.95	9.95	43.2	190.1	5242.95	11.95	54.4	287.8

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5243.00	12.00	54.7	290.4	5245.00	14.00	66.3	411.7
5243.05	12.05	55.0	293.3	5245.05	14.05	66.6	415.2
5243.10	12.10	55.3	296.2	5245.10	14.10	66.9	418.6
5243.15	12.15	55.6	299.1	5245.15	14.15	67.2	422.1
5243.20	12.20	55.9	301.9	5245.20	14.20	67.5	425.5
5243.25	12.25	56.2	304.8	5245.25	14.25	67.8	429.0
5243.30	12.30	56.5	307.7	5245.30	14.30	68.0	432.5
5243.35	12.35	56.8	310.6	5245.35	14.35	68.3	435.9
5243.40	12.40	57.1	313.5	5245.40	14.40	68.6	439.4
5243.45	12.45	57.4	316.4	5245.45	14.45	68.9	442.8
5243.50	12.50	57.8	319.3	5245.50	14.50	69.2	446.3
5243.55	12.55	58.1	322.1	5245.55	14.55	69.5	449.8
5243.60	12.60	58.4	325.0	5245.60	14.60	69.8	453.2
5243.65	12.65	58.7	327.9	5245.65	14.65	70.1	456.7
5243.70	12.70	59.0	330.8	5245.70	14.70	70.4	460.1
5243.75	12.75	59.3	333.7	5245.75	14.75	70.6	463.6
5243.80	12.80	59.6	336.6	5245.80	14.80	70.9	467.1
5243.85	12.85	59.9	339.4	5245.85	14.85	71.2	470.5
5243.90	12.90	60.2	342.3	5245.90	14.90	71.5	474.0
5243.95	12.95	60.5	345.2	5245.95	14.95	71.8	477.4
5244.00	13.00	60.8	348.1	5246.00	15.00	72.1	480.9
5244.05	13.05	61.1	351.3	5246.05	15.05	72.4	484.6
5244.10	13.10	61.3	354.5	5246.10	15.10	72.6	488.4
5244.15	13.15	61.6	357.6	5246.15	15.15	72.9	492.1
5244.20	13.20	61.9	360.8	5246.20	15.20	73.2	495.9
5244.25	13.25	62.2	364.0	5246.25	15.25	73.5	499.6
5244.30	13.30	62.5	367.2	5246.30	15.30	73.8	503.3
5244.35	13.35	62.7	370.4	5246.35	15.35	74.0	507.1
5244.40	13.40	63.0	373.5	5246.40	15.40	74.3	510.8
5244.45	13.45	63.3	376.7	5246.45	15.45	74.6	514.6
5244.50	13.50	63.6	379.9	5246.50	15.50	74.9	518.3
5244.55	13.55	63.8	383.1	5246.55	15.55	75.1	522.0
5244.60	13.60	64.1	386.3	5246.60	15.60	75.4	525.8
5244.65	13.65	64.4	389.4	5246.65	15.65	75.7	529.5
5244.70	13.70	64.6	392.6	5246.70	15.70	75.9	533.3
5244.75	13.75	64.9	395.8	5246.75	15.75	76.2	537.0
5244.80	13.80	65.2	399.0	5246.80	15.80	76.5	540.7
5244.85	13.85	65.5	402.2	5246.85	15.85	76.8	544.5
5244.90	13.90	65.8	405.3	5246.90	15.90	77.1	548.2
5244.95	13.95	66.0	408.5	5246.95	15.95	77.3	552.0

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5247.00	16.00	77.6	555.7	5249.00	18.00	89.4	722.5
5247.05	16.05	77.9	559.7	5249.05	18.05	89.7	727.1
5247.10	16.10	78.2	563.8	5249.10	18.10	90.0	731.7
5247.15	16.15	78.5	567.8	5249.15	18.15	90.2	736.3
5247.20	16.20	78.7	571.8	5249.20	18.20	90.5	740.9
5247.25	16.25	79.0	575.8	5249.25	18.25	90.8	745.6
5247.30	16.30	79.3	579.9	5249.30	18.30	91.1	750.2
5247.35	16.35	79.6	583.9	5249.35	18.35	91.4	754.8
5247.40	16.40	79.9	587.9	5249.40	18.40	91.6	759.4
5247.45	16.45	80.2	591.9	5249.45	18.45	91.9	764.0
5247.50	16.50	80.5	596.0	5249.50	18.50	92.2	768.6
5247.55	16.55	80.7	600.0	5249.55	18.55	92.5	773.2
5247.60	16.60	81.0	604.0	5249.60	18.60	92.8	777.8
5247.65	16.65	81.3	608.0	5249.65	18.65	93.0	782.4
5247.70	16.70	81.6	612.1	5249.70	18.70	93.3	787.0
5247.75	16.75	81.9	616.1	5249.75	18.75	93.6	791.7
5247.80	16.80	82.2	620.1	5249.80	18.80	93.9	796.3
5247.85	16.85	82.4	624.1	5249.85	18.85	94.2	800.9
5247.90	16.90	82.7	628.2	5249.90	18.90	94.4	805.5
5247.95	16.95	83.0	632.2	5249.95	18.95	94.7	810.1
5248.00	17.00	83.3	636.2	5250.00	19.00	95.0	814.7
5248.05	17.05	83.6	640.5	5250.05	19.05	95.3	819.6
5248.10	17.10	83.9	644.8	5250.10	19.10	95.6	824.5
5248.15	17.15	84.2	649.1	5250.15	19.15	95.8	829.4
5248.20	17.20	84.5	653.5	5250.20	19.20	96.1	834.3
5248.25	17.25	84.8	657.8	5250.25	19.25	96.4	839.2
5248.30	17.30	85.1	662.1	5250.30	19.30	96.7	844.0
5248.35	17.35	85.4	666.4	5250.35	19.35	96.9	848.9
5248.40	17.40	85.7	670.7	5250.40	19.40	97.2	853.8
5248.45	17.45	86.0	675.0	5250.45	19.45	97.5	858.7
5248.50	17.50	86.4	679.4	5250.50	19.50	97.8	863.6
5248.55	17.55	86.7	683.7	5250.55	19.55	98.0	868.5
5248.60	17.60	87.0	688.0	5250.60	19.60	98.3	873.4
5248.65	17.65	87.3	692.3	5250.65	19.65	98.6	878.3
5248.70	17.70	87.6	696.6	5250.70	19.70	98.9	883.2
5248.75	17.75	87.9	700.9	5250.75	19.75	99.1	888.1
5248.80	17.80	88.2	705.2	5250.80	19.80	99.4	892.9
5248.85	17.85	88.5	709.6	5250.85	19.85	99.7	897.8
5248.90	17.90	88.8	713.9	5250.90	19.90	99.9	902.7
5248.95	17.95	89.1	718.2	5250.95	19.95	100.2	907.6

LOWER DERBY LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5251.00	20.00	100.5	912.5	5253.00	22.0	112.0	1125.00
5251.05	20.05	100.8	917.7				
5251.10	20.10	101.1	922.8				
5251.15	20.15	101.4	928.0				
5251.20	20.20	101.7	933.2				
5251.25	20.25	102.0	938.4				
5251.30	20.30	102.2	943.5				
5251.35	20.35	102.5	948.7				
5251.40	20.40	102.8	953.9				
5251.45	20.45	103.1	959.0				
5251.50	20.50	103.4	964.2				
5251.55	20.55	103.7	969.4				
5251.60	20.60	104.0	974.5				
5251.65	20.65	104.3	979.7				
5251.70	20.70	104.6	984.9				
5251.75	20.75	104.9	990.1				
5251.80	20.80	105.1	995.2				
5251.85	20.85	105.4	1000.4				
5251.90	20.90	105.7	1005.6				
5251.95	20.95	106.0	1010.7				
5252.00	21.00	106.3	1015.9				
5252.05	21.05	106.6	1021.4				
5252.10	21.10	106.9	1026.8				
5252.15	21.15	107.2	1032.3				
5252.20	21.20	107.4	1037.7				
5252.25	21.25	107.7	1043.2				
5252.30	21.30	108.0	1048.6				
5252.35	21.35	108.3	1054.1				
5252.40	21.40	108.6	1059.5				
5252.45	21.45	108.9	1065.0				
5252.50	21.50	109.2	1070.5				
5252.55	21.55	109.4	1075.9				
5252.60	21.60	109.7	1081.4				
5252.65	21.65	110.0	1086.8				
5252.70	21.70	110.3	1092.3				
5252.75	21.75	110.6	1097.7				
5252.80	21.80	110.9	1103.2				
5252.85	21.85	111.1	1108.6				
5252.90	21.90	111.4	1114.1				
5252.95	21.95	111.7	1119.5				

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5208.00	0.00	6.3	12.4	5210.00	2.00	11.1	28.7
5208.05	0.05	6.4	12.8	5210.05	2.05	11.2	29.4
5208.10	0.10	6.4	13.1	5210.10	2.10	11.4	30.0
5208.15	0.15	6.5	13.5	5210.15	2.15	11.5	30.6
5208.20	0.20	6.6	13.8	5210.20	2.20	11.7	31.2
5208.25	0.25	6.6	14.2	5210.25	2.25	11.8	31.9
5208.30	0.30	6.7	14.5	5210.30	2.30	12.0	32.5
5208.35	0.35	6.8	14.9	5210.35	2.35	12.1	33.1
5208.40	0.40	6.8	15.2	5210.40	2.40	12.3	33.8
5208.45	0.45	6.9	15.6	5210.45	2.45	12.4	34.4
5208.50	0.50	7.0	15.9	5210.50	2.50	12.6	35.0
5208.55	0.55	7.0	16.3	5210.55	2.55	12.7	35.6
5208.60	0.60	7.1	16.6	5210.60	2.60	12.8	36.3
5208.65	0.65	7.1	16.9	5210.65	2.65	13.0	36.9
5208.70	0.70	7.2	17.3	5210.70	2.70	13.1	37.5
5208.75	0.75	7.3	17.6	5210.75	2.75	13.3	38.1
5208.80	0.80	7.3	18.0	5210.80	2.80	13.4	38.8
5208.85	0.85	7.4	18.3	5210.85	2.85	13.6	39.4
5208.90	0.90	7.5	18.7	5210.90	2.90	13.7	40.0
5208.95	0.95	7.5	19.0	5210.95	2.95	13.9	40.7
5209.00	1.00	7.6	19.4	5211.00	3.00	14.0	41.3
5209.05	1.05	7.8	19.8	5211.05	3.05	14.2	42.1
5209.10	1.10	8.0	20.3	5211.10	3.10	14.3	42.9
5209.15	1.15	8.1	20.8	5211.15	3.15	14.5	43.6
5209.20	1.20	8.3	21.3	5211.20	3.20	14.7	44.4
5209.25	1.25	8.5	21.7	5211.25	3.25	14.9	45.2
5209.30	1.30	8.7	22.2	5211.30	3.30	15.0	46.0
5209.35	1.35	8.8	22.7	5211.35	3.35	15.2	46.8
5209.40	1.40	9.0	23.1	5211.40	3.40	15.4	47.6
5209.45	1.45	9.2	23.6	5211.45	3.45	15.5	48.3
5209.50	1.50	9.4	24.1	5211.50	3.50	15.7	49.1
5209.55	1.55	9.5	24.5	5211.55	3.55	15.9	49.9
5209.60	1.60	9.7	25.0	5211.60	3.60	16.0	50.7
5209.65	1.65	9.9	25.5	5211.65	3.65	16.2	51.5
5209.70	1.70	10.1	25.9	5211.70	3.70	16.4	52.3
5209.75	1.75	10.2	26.4	5211.75	3.75	16.6	53.1
5209.80	1.80	10.4	26.9	5211.80	3.80	16.7	53.8
5209.85	1.85	10.6	27.3	5211.85	3.85	16.9	54.6
5209.90	1.90	10.8	27.8	5211.90	3.90	17.1	55.4
5209.95	1.95	10.9	28.3	5211.95	3.95	17.2	56.2

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5212.00	4.00	17.4	57.0	5214.00	6.00	25.0	98.7
5212.05	4.05	17.6	57.9	5214.05	6.05	25.2	100.0
5212.10	4.10	17.7	58.9	5214.10	6.10	25.5	101.4
5212.15	4.15	17.9	59.8	5214.15	6.15	25.7	102.8
5212.20	4.20	18.0	60.8	5214.20	6.20	25.9	104.1
5212.25	4.25	18.2	61.7	5214.25	6.25	26.2	105.5
5212.30	4.30	18.3	62.7	5214.30	6.30	26.4	106.9
5212.35	4.35	18.5	63.6	5214.35	6.35	26.6	108.2
5212.40	4.40	18.6	64.6	5214.40	6.40	26.8	109.6
5212.45	4.45	18.8	65.5	5214.45	6.45	27.1	111.0
5212.50	4.50	19.0	66.5	5214.50	6.50	27.3	112.3
5212.55	4.55	19.1	67.4	5214.55	6.55	27.5	113.7
5212.60	4.60	19.3	68.4	5214.60	6.60	27.8	115.1
5212.65	4.65	19.4	69.3	5214.65	6.65	28.0	116.4
5212.70	4.70	19.6	70.2	5214.70	6.70	28.2	117.8
5212.75	4.75	19.7	71.2	5214.75	6.75	28.5	119.2
5212.80	4.80	19.9	72.1	5214.80	6.80	28.7	120.5
5212.85	4.85	20.0	73.1	5214.85	6.85	28.9	121.9
5212.90	4.90	20.2	74.0	5214.90	6.90	29.1	123.3
5212.95	4.95	20.3	75.0	5214.95	6.95	29.4	124.6
5213.00	5.00	20.5	75.9	5215.00	7.00	29.6	126.0
5213.05	5.05	20.7	77.1	5215.05	7.05	29.9	127.6
5213.10	5.10	21.0	78.2	5215.10	7.10	30.1	129.2
5213.15	5.15	21.2	79.3	5215.15	7.15	30.4	130.8
5213.20	5.20	21.4	80.5	5215.20	7.20	30.7	132.4
5213.25	5.25	21.6	81.6	5215.25	7.25	31.0	134.1
5213.30	5.30	21.8	82.8	5215.30	7.30	31.2	135.7
5213.35	5.35	22.1	83.9	5215.35	7.35	31.5	137.3
5213.40	5.40	22.3	85.0	5215.40	7.40	31.8	138.9
5213.45	5.45	22.5	86.2	5215.45	7.45	32.0	140.5
5213.50	5.50	22.8	87.3	5215.50	7.50	32.3	142.1
5213.55	5.55	23.0	88.4	5215.55	7.55	32.6	143.7
5213.60	5.60	23.2	89.6	5215.60	7.60	32.8	145.4
5213.65	5.65	23.4	90.7	5215.65	7.65	33.1	147.0
5213.70	5.70	23.7	91.9	5215.70	7.70	33.4	148.6
5213.75	5.75	23.9	93.0	5215.75	7.75	33.7	150.2
5213.80	5.80	24.1	94.1	5215.80	7.80	33.9	151.8
5213.85	5.85	24.3	95.3	5215.85	7.85	34.2	153.4
5213.90	5.90	24.6	96.4	5215.90	7.90	34.5	155.1
5213.95	5.95	24.8	97.5	5215.95	7.95	34.7	156.7

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5216.00	8.00	35.0	158.3	5218.00	10.00	46.6	239.4
5216.05	8.05	35.3	160.2	5218.05	10.05	47.0	241.9
5216.10	8.10	35.5	162.0	5218.10	10.10	47.3	244.4
5216.15	8.15	35.8	163.9	5218.15	10.15	47.7	246.9
5216.20	8.20	36.1	165.8	5218.20	10.20	48.0	249.4
5216.25	8.25	36.3	167.7	5218.25	10.25	48.4	251.9
5216.30	8.30	36.6	169.6	5218.30	10.30	48.7	254.4
5216.35	8.35	36.9	171.5	5218.35	10.35	49.1	256.9
5216.40	8.40	37.1	173.3	5218.40	10.40	49.4	259.4
5216.45	8.45	37.4	175.2	5218.45	10.45	49.8	261.9
5216.50	8.50	37.7	177.1	5218.50	10.50	50.1	264.4
5216.55	8.55	37.9	179.0	5218.55	10.55	50.5	266.9
5216.60	8.60	38.2	180.9	5218.60	10.60	50.8	269.4
5216.65	8.65	38.4	182.8	5218.65	10.65	51.2	271.9
5216.70	8.70	38.7	184.6	5218.70	10.70	51.5	274.5
5216.75	8.75	39.0	186.5	5218.75	10.75	51.9	277.0
5216.80	8.80	39.2	188.4	5218.80	10.80	52.2	279.5
5216.85	8.85	39.5	190.3	5218.85	10.85	52.6	282.0
5216.90	8.90	39.8	192.2	5218.90	10.90	52.9	284.5
5216.95	8.95	40.0	194.0	5218.95	10.95	53.3	287.0
5217.00	9.00	40.3	195.9	5219.00	11.00	53.6	289.5
5217.05	9.05	40.6	198.1	5219.05	11.05	54.0	292.3
5217.10	9.10	40.9	200.3	5219.10	11.10	54.3	295.2
5217.15	9.15	41.2	202.4	5219.15	11.15	54.7	298.1
5217.20	9.20	41.6	204.6	5219.20	11.20	55.1	300.9
5217.25	9.25	41.9	206.8	5219.25	11.25	55.5	303.8
5217.30	9.30	42.2	209.0	5219.30	11.30	55.8	306.7
5217.35	9.35	42.5	211.1	5219.35	11.35	56.2	309.5
5217.40	9.40	42.8	213.3	5219.40	11.40	56.6	312.4
5217.45	9.45	43.1	215.5	5219.45	11.45	56.9	315.3
5217.50	9.50	43.5	217.7	5219.50	11.50	57.3	318.1
5217.55	9.55	43.8	219.8	5219.55	11.55	57.7	321.0
5217.60	9.60	44.1	222.0	5219.60	11.60	58.0	323.9
5217.65	9.65	44.4	224.2	5219.65	11.65	58.4	326.7
5217.70	9.70	44.7	226.3	5219.70	11.70	58.8	329.6
5217.75	9.75	45.0	228.5	5219.75	11.75	59.2	332.5
5217.80	9.80	45.3	230.7	5219.80	11.80	59.5	335.3
5217.85	9.85	45.7	232.9	5219.85	11.85	59.9	338.2
5217.90	9.90	46.0	235.0	5219.90	11.90	60.3	341.1
5217.95	9.95	46.3	237.2	5219.95	11.95	60.6	343.9

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)	ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5220.00	12.00	61.0	346.8	5222.00	14.00	75.1	483.7
5220.05	12.05	61.0	346.8	5222.05	14.05	75.5	487.7
5220.10	12.10	61.0	346.8	5222.10	14.10	75.9	491.6
5220.15	12.15	61.0	346.8	5222.15	14.15	76.3	495.6
5220.20	12.20	61.0	346.8	5222.20	14.20	76.7	499.6
5220.25	12.25	61.0	346.8	5222.25	14.25	77.1	503.5
5220.30	12.30	61.0	346.8	5222.30	14.30	77.5	507.5
5220.35	12.35	61.0	346.8	5222.35	14.35	77.9	511.4
5220.40	12.40	61.0	346.8	5222.40	14.40	78.3	515.4
5220.45	12.45	61.0	346.8	5222.45	14.45	78.7	519.3
5220.50	12.50	61.0	346.8	5222.50	14.50	79.2	523.3
5220.55	12.55	61.0	346.8	5222.55	14.55	79.6	527.3
5220.60	12.60	61.0	346.8	5222.60	14.60	80.0	531.2
5220.65	12.65	61.0	346.8	5222.65	14.65	80.4	535.2
5220.70	12.70	61.0	346.8	5222.70	14.70	80.8	539.1
5220.75	12.75	61.0	346.8	5222.75	14.75	81.2	543.1
5220.80	12.80	61.0	346.8	5222.80	14.80	81.6	547.1
5220.85	12.85	61.0	346.8	5222.85	14.85	82.0	551.0
5220.90	12.90	61.0	346.8	5222.90	14.90	82.4	555.0
5220.95	12.95	61.0	346.8	5222.95	14.95	82.8	558.9
5221.00	13.00	61.0	346.8	5223.00	15.00	83.2	562.9
5221.05	13.05	61.7	353.6	5223.05	15.05	83.6	567.2
5221.10	13.10	62.4	360.5	5223.10	15.10	83.9	571.6
5221.15	13.15	63.1	367.3	5223.15	15.15	84.3	575.9
5221.20	13.20	63.8	374.2	5223.20	15.20	84.7	580.3
5221.25	13.25	64.5	381.0	5223.25	15.25	85.1	584.6
5221.30	13.30	65.2	387.9	5223.30	15.30	85.4	589.0
5221.35	13.35	65.9	394.7	5223.35	15.35	85.8	593.3
5221.40	13.40	66.6	401.6	5223.40	15.40	86.2	597.6
5221.45	13.45	67.3	408.4	5223.45	15.45	86.5	602.0
5221.50	13.50	68.1	415.3	5223.50	15.50	86.9	606.3
5221.55	13.55	68.8	422.1	5223.55	15.55	87.3	610.7
5221.60	13.60	69.5	428.9	5223.60	15.60	87.6	615.0
5221.65	13.65	70.2	435.8	5223.65	15.65	88.0	619.4
5221.70	13.70	70.9	442.6	5223.70	15.70	88.4	623.7
5221.75	13.75	71.6	449.5	5223.75	15.75	88.8	628.1
5221.80	13.80	72.3	456.3	5223.80	15.80	89.1	632.4
5221.85	13.85	73.0	463.2	5223.85	15.85	89.5	636.7
5221.90	13.90	73.7	470.0	5223.90	15.90	89.9	641.1
5221.95	13.95	74.4	476.9	5223.95	15.95	90.2	645.4

LADORA LAKE

ELEVATION (Ft.,msl)	STAGE (feet)	AREA (acres)	VOLUME (ac-ft)
5224.00	16.00	90.6	649.8
5224.05	16.05	91.4	654.7
5224.10	16.10	92.3	659.7
5224.15	16.15	93.1	664.6
5224.20	16.20	94.0	669.6
5224.25	16.25	94.8	674.5
5224.30	16.30	95.6	679.5
5224.35	16.35	96.5	684.4
5224.40	16.40	97.3	689.4
5224.45	16.45	98.2	694.3
5224.50	16.50	99.0	699.3
5224.55	16.55	99.8	704.2
5224.60	16.60	100.7	709.2
5224.65	16.65	101.5	714.1
5224.70	16.70	102.4	719.1
5224.75	16.75	103.2	724.0
5224.80	16.80	104.0	729.0
5224.85	16.85	104.9	733.9
5224.90	16.90	105.7	738.9
5224.95	16.95	106.6	743.8
5225.00	17.00	107.4	748.8

HAVANA POND STAGE VOLUME AND STAGE AREA CURVES

ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE-FEET)	ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE-FEET)
5241.70	-2.50	0.00	0.00	5244.20	0.00	4.67	4.27
5241.75	-2.45	0.06	0.00	5244.25	0.05	4.89	4.51
5241.80	-2.40	0.12	0.01	5244.30	0.10	5.11	4.76
5241.85	-2.35	0.19	0.01	5244.35	0.15	5.32	5.02
5241.90	-2.30	0.25	0.02	5244.40	0.20	5.54	5.29
5241.95	-2.25	0.31	0.04	5244.45	0.25	5.76	5.57
5242.00	-2.20	0.37	0.06	5244.50	0.30	5.98	5.86
5242.05	-2.15	0.43	0.08	5244.55	0.35	6.20	6.17
5242.10	-2.10	0.50	0.10	5244.60	0.40	6.42	6.48
5242.15	-2.05	0.56	0.13	5244.65	0.45	6.64	6.81
5242.20	-2.00	0.62	0.16	5244.70	0.50	6.86	7.15
5242.25	-1.95	0.68	0.19	5244.75	0.55	7.07	7.50
5242.30	-1.90	0.74	0.22	5244.80	0.60	7.29	7.85
5242.35	-1.85	0.81	0.26	5244.85	0.65	7.51	8.22
5242.40	-1.80	0.87	0.30	5244.90	0.70	7.73	8.61
5242.45	-1.75	0.93	0.35	5244.95	0.75	7.95	9.00
5242.50	-1.70	0.99	0.40	5245.00	0.80	8.17	9.40
5242.55	-1.65	1.05	0.45	5245.05	0.85	8.39	9.81
5242.60	-1.60	1.12	0.50	5245.10	0.90	8.61	10.24
5242.65	-1.55	1.18	0.56	5245.15	0.95	8.82	10.68
5242.70	-1.50	1.24	0.62	5245.20	1.00	9.04	11.12
5242.75	-1.45	1.30	0.68	5245.25	1.05	9.26	11.58
5242.80	-1.40	1.36	0.75	5245.30	1.10	9.48	12.05
5242.85	-1.35	1.43	0.82	5245.35	1.15	9.70	12.53
5242.90	-1.30	1.49	0.89	5245.40	1.20	9.92	13.02
5242.95	-1.25	1.55	0.97	5245.45	1.25	10.14	13.52
5243.00	-1.20	1.61	1.05	5245.50	1.30	10.36	14.03
5243.05	-1.15	1.67	1.13	5245.55	1.35	10.57	14.55
5243.10	-1.10	1.74	1.22	5245.60	1.40	10.79	15.09
5243.15	-1.05	1.80	1.30	5245.65	1.45	11.01	15.63
5243.20	-1.00	1.86	1.39	5245.70	1.50	11.23	16.19
5243.25	-0.95	1.92	1.49	5245.75	1.55	11.48	16.76
5243.30	-0.90	1.98	1.59	5245.80	1.60	11.72	17.34
5243.35	-0.85	2.05	1.69	5245.85	1.65	11.97	17.93
5243.40	-0.80	2.11	1.79	5245.90	1.70	12.21	18.53
5243.45	-0.75	2.17	1.90	5245.95	1.75	12.46	19.15
5243.50	-0.70	2.23	2.01	5246.00	1.80	12.70	19.78
5243.55	-0.65	2.29	2.12	5246.05	1.85	12.95	20.42
5243.60	-0.60	2.36	2.24	5246.10	1.90	13.20	21.08
5243.65	-0.55	2.42	2.36	5246.15	1.95	13.44	21.74
5243.70	-0.50	2.48	2.48	5246.20	2.00	13.69	22.42
5243.75	-0.45	2.70	2.61	5246.25	2.05	13.93	23.11
5244.80	-0.40	2.92	2.75	5246.30	2.10	14.18	23.81
5243.85	-0.35	3.14	2.90	5246.35	2.15	14.42	24.53
5244.90	-0.30	3.36	3.06	5246.40	2.20	14.67	25.26
5243.95	-0.25	3.57	3.24	5246.45	2.25	14.92	25.99
5244.00	-0.20	3.79	3.42	5246.50	2.30	15.16	26.75
5244.05	-0.15	4.01	3.62	5246.55	2.35	15.41	27.51
5244.10	-0.10	4.23	3.82	5246.60	2.40	15.65	28.29
5244.15	-0.05	4.45	4.04	5246.65	2.45	15.70	29.08

HAVANA POND STAGE VOLUME AND STAGE AREA CURVES

ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE-FEET)	ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE-FEET)
5246.70	2.50	16.15	29.88	5249.20	5.00	31.05	87.56
5246.75	2.55	16.39	30.69	5249.25	5.05	31.38	89.12
5246.80	2.60	16.64	31.52	5249.30	5.10	31.72	90.70
5246.85	2.65	16.88	32.35	5249.35	5.15	32.05	92.29
5246.90	2.70	17.13	33.20	5249.40	5.20	32.38	93.91
5246.95	2.75	17.37	34.07	5249.45	5.25	32.71	95.53
5247.00	2.80	17.62	34.94	5249.50	5.30	33.05	97.18
5247.05	2.85	17.87	35.83	5249.55	5.35	33.38	98.84
5247.10	2.90	18.11	36.73	5249.60	5.40	33.71	100.52
5247.15	2.95	18.36	37.64	5249.65	5.45	34.05	102.21
5247.20	3.00	18.60	38.56	5249.70	5.50	34.38	103.92
5247.25	3.05	18.85	39.50	5249.75	5.55	34.66	105.65
5247.30	3.10	19.09	40.45	5249.80	5.60	34.94	107.39
5247.35	3.15	19.34	41.41	5249.85	5.65	35.22	109.14
5247.40	3.20	19.59	42.38	5249.90	5.70	35.51	110.91
5247.45	3.25	19.83	43.37	5249.95	5.75	35.79	112.69
5247.50	3.30	20.08	44.37	5250.00	5.80	36.07	114.49
5247.55	3.35	20.32	45.38	5250.05	5.85	36.35	116.30
5247.60	3.40	20.57	46.40	5250.10	5.90	36.63	118.12
5247.65	3.45	20.81	47.43	5250.15	5.95	36.91	119.96
5247.70	3.50	21.06	48.48	5250.20	6.00	37.20	121.81
5247.75	3.55	21.39	49.54	5250.25	6.05	37.48	123.68
5247.80	3.60	21.73	50.62	5250.30	6.10	37.76	125.56
5247.85	3.65	22.06	51.71	5250.35	6.15	38.04	127.46
5247.90	3.70	22.39	52.83	5250.40	6.20	38.32	129.37
5247.95	3.75	22.72	53.95	5250.45	6.25	38.60	131.29
5248.00	3.80	23.06	55.10	5250.50	6.30	38.88	133.23
5248.05	3.85	23.39	56.26	5250.55	6.35	39.17	135.18
5248.10	3.90	23.72	57.44	5250.60	6.40	39.45	137.14
5248.15	3.95	24.06	58.63	5250.65	6.45	39.73	139.12
5248.20	4.00	24.39	59.84	5250.70	6.50	40.01	141.12
5248.25	4.05	24.72	61.07	5250.75	6.55	40.29	143.12
5248.30	4.10	25.06	62.31	5250.80	6.60	40.57	145.14
5248.35	4.15	25.39	63.58	5250.85	6.65	40.85	147.18
5248.40	4.20	25.72	64.85	5250.90	6.70	41.14	149.23
5248.45	4.25	26.05	66.15	5250.95	6.75	41.42	151.29
5248.50	4.30	26.39	67.46	5251.00	6.80	41.70	153.37
5248.55	4.35	26.72	68.79	5251.05	6.85	41.98	155.46
5248.60	4.40	27.05	70.13	5251.10	6.90	42.26	157.57
5248.65	4.45	27.39	71.49	5251.15	6.95	42.54	159.69
5248.70	4.50	27.72	72.87	5251.20	7.00	42.83	161.82
5248.75	4.55	28.05	74.26	5251.25	7.05	43.11	163.97
5248.80	4.60	28.39	75.68	5251.30	7.10	43.39	166.13
5248.85	4.65	28.72	77.10	5251.35	7.15	43.67	168.31
5248.90	4.70	29.05	78.55	5251.40	7.20	43.95	170.50
5248.95	4.75	29.38	80.01	5251.45	7.25	44.23	172.71
5249.00	4.80	29.72	81.49	5251.50	7.30	44.51	174.92
5249.05	4.85	30.05	82.98	5251.55	7.35	44.80	177.16
5249.10	4.90	30.38	84.49	5251.60	7.40	45.08	179.40
5249.15	4.95	30.72	86.02	5251.65	7.45	45.36	181.67

HAVANA POND STAGE VOLUME AND STAGE AREA CURVES

ELEV. (FEET)	STAGE (FEET)	SURFACE AREA (ACRES)	VOLUME (ACRE-FEET)
5251.70	7.50	45.64	183.94
5251.75	7.55	45.92	186.23
5251.80	7.60	46.19	188.53
5251.85	7.65	46.47	190.85
5251.90	7.70	46.75	193.18
5251.95	7.75	47.03	195.52
5252.00	7.80	47.30	197.88
5252.05	7.85	47.58	200.25
5252.10	7.90	47.86	202.64
5252.15	7.95	48.13	205.04
5252.20	8.00	48.41	207.45
5252.25	8.05	48.69	209.88
5252.30	8.10	48.96	212.32
5252.35	8.15	49.24	214.78
5252.40	8.20	49.52	217.25
5252.45	8.25	49.79	219.73
5252.50	8.30	50.07	222.22
5252.55	8.35	50.35	224.74
5252.60	8.40	50.63	227.26
5252.65	8.45	50.90	229.80
5252.70	8.50	51.18	232.35
5252.75	8.55	51.46	234.92
5252.80	8.60	51.73	237.50
5252.85	8.65	52.01	240.09
5252.90	8.70	52.29	242.70
5252.95	8.75	52.57	245.32
5253.00	8.80	52.84	247.95
5253.05	8.85	53.12	250.60
5253.10	8.90	53.40	253.27
5253.15	8.95	53.67	255.94
5253.20	9.00	53.95	258.63
5253.25	9.05	54.23	261.34
5253.30	9.10	54.50	264.06
5253.35	9.15	54.78	266.79
5253.40	9.20	55.06	269.53
5253.45	9.25	55.33	272.29
5253.50	9.30	55.61	275.07
5253.55	9.35	55.89	277.85
5253.60	9.40	56.17	280.66
5253.65	9.45	56.44	283.47
5253.70	9.50	56.72	286.30

RMA MONTHLY LAKE STAGE AND METER READING DATA OCTOBER 1985-NOVEMBER 1987

LAKE STAGES AND METER READINGS

	ATMOSPHERIC		LAKE STAGES (FEET)					METER READINGS	
Month	Precip. (Inches)	Evap (Inches)	Upper Derby	Lower Derby	Ladora Lake	Mary Lake	Havana Pond	SIP (gal)	Ladora (gal)
10/85	.85	2.73	2.2	16.9	11.8	1.12	3.10	387,400	2,963,700
11/85	.82	1.89	1.8	16.4	12.3	0.95	2.01	309,500	2,867,000
12/85	.47	.63	1.4	16.3	12.5	1.38	.35	206,000	2,288,300
01/86	.16	.49	1.4	16.0	12.4	1.54	0	188,400	2,845,300
02/86	.57	.63	1.1	15.8	12.5	1.61	0	95,000	309,600
03/86	.46	1.12	0.6	15.7	12.5	1.59	0	164,600	215,600
04/86	1.78	2.24	0	15.3	12.4	1.48	0	447,700	745,200
05/86	1.36	3.50	0.8	16.2	12.4	1.56	.70	602,300	870,700
06/86	1.16	5.75	0	16.0	12.3	1.39	1.38	507,100	1,036,300
07/86	1.53	6.15	0	15.4	11.9	1.02	1.43	386,700	1,522,700
08/86	.82	5.45	0	16.4	11.6	0.67	2.07	266,100	1,209,100
09/86	.50	4.46	0	15.1	11.5	0.35	1.75	182,400	954,400
10/86	1.17	2.73	0	15.8	11.85	0.09	1.39	297,200	98,000
11/86	.85	1.89	0	15.4	11.9	0.21	3.01	446,400	211,700
12/86	.16	.63	0	15.0	12.2	0.45	1.07	534,300	394,800
01/87	.38	.49	0	14.7	12.3	0.45	0.40	240,400	394,800
02/87	.83	.63	0	14.4	12.3	0.60	0.82	205,300	1,138,800
03/87	.96	1.12	0	14.3	12.4	0.83	1.33	309,500	1,020,200
04/87	.74	2.24	0	14.2	12.4	0.96	1.44	400,400	499,100
05/87	4.13	3.50	0	14.2	12.3	0.91	1.60	338,000	411,900
06/87	2.90	6.68	0	14.4	12.3	0.80	3.31	128,400	missing
07/87	.80	6.78	1.3	16.9	12.4	1.00	4.33	327,600	missing
08/87	1.62	5.63	0	16.1	12.0	1.25	2.57	387,200	missing
09/87	.47	6.20	0	15.9	11.7	0.96	2.87	295,500	missing
10/87	1.03	3.60	0	15.3	11.6	0.67	1.89	310,200	missing
11/87	1.20	1.89	0	14.7	11.7	0.52	2.72	229,600	missing
12/87	1.30	0.63	0	14.6	12.0	0.62	2.15		

DAILY PRECIPITATION DATA FOR THE RMA VICINITY OCTOBER 1985-NOVEMBER 1987

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

OCTOBER, 1985

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1		0.00	0.00	0.00
2		0.00	0.00	0.00
3		0.00	0.00	0.00
4		0.00	0.00	0.00
5		0.00	0.00	0.00
6		0.00	0.00	0.00
7		0.01	0.00	0.01
8		0.02	0.00	0.01
9		0.01	0.00	0.01
10	0.00	0.11	0.00	0.04
11	0.20	0.19	0.12	0.17
12	0.00	0.02	0.00	0.01
13	0.06	0.14	0.27	0.16
14	0.08	0.16	0.00	0.08
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.40	0.00	0.13
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.16	0.21	0.38	0.25
TOTALS	0.50	1.27	0.77	0.85

NOVEMBER, 1985

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.03	0.00	0.01
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.02	0.03	0.02
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.57	0.19
10	0.00	0.00	0.01	0.00
11	0.00	0.00	0.00	0.00
12	0.03	0.00	0.02	0.02
13	0.05	0.26	0.00	0.10
14	0.05	0.01	0.13	0.06
15	0.00	0.06	0.16	0.07
16	0.29	0.31	0.00	0.20
17	0.03	0.01	0.00	0.01
18	0.00	0.00	0.05	0.02
19	0.00	0.01	0.17	0.06
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.01	0.00
24	0.02	0.01	0.00	0.01
25	0.03	0.02	0.00	0.02
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.01	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.05	0.02
TOTALS	0.50	0.75	1.20	0.82

DECEMBER, 1985

DAY	NRMA GAGE	SRMA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.01	0.07	0.00	0.03
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.01	0.00	0.00	0.00
8	0.00	0.00	0.15	0.05
9	0.00	0.00	0.28	0.09
10	0.00	0.00	0.21	0.07
11	0.00	0.00	0.01	0.00
12	0.00	0.00	0.00	0.00
13	0.07	0.00	0.00	0.02
14	0.32	0.26	0.00	0.19
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.01	0.01
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
31	0.00		0.00	0.00
TOTALS	0.41	0.33	0.66	0.47

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

JANUARY, 1986

DAY	NRHA GAGE	SRHA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.00		0.00	0.00
3	0.00		0.00	0.00
4	0.00		0.00	0.00
5	0.00		0.00	0.00
6	0.08		0.20	0.14
7	0.01		0.02	0.02
8	0.00		0.00	0.00
9	0.00		0.00	0.00
10	0.00		0.00	0.00
11	0.00		0.00	0.00
12	0.00		0.00	0.00
13	0.00		0.00	0.00
14	0.00		0.00	0.00
15	0.01		0.00	0.01
16	0.00		0.00	0.00
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
31	0.00		0.00	0.00
TOTALS	0.10	0.00	0.22	0.16

FEBRUARY, 1986

DAY	NRHA GAGE	SRHA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.00		0.00	0.00
3	0.10		0.00	0.05
4	0.00		0.00	0.00
5	0.03		0.05	0.04
6	0.00		0.10	0.05
7	0.00		0.02	0.01
8	0.00		0.01	0.01
9	0.00		0.07	0.04
10	0.00		0.00	0.00
11	0.00		0.00	0.00
12	0.00		0.00	0.00
13	0.00		0.00	0.00
14	0.00		0.00	0.00
15	0.00		0.00	0.00
16	0.00		0.00	0.00
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.06		0.00	0.07
20	0.21		0.31	0.26
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.06		0.01	0.01
28	0.00		0.00	0.00
TOTALS	0.48	0.00	0.65	0.57

MARCH, 1986

DAY	NRHA GAGE	SRHA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.00		0.00	0.00
3	0.00		0.00	0.00
4	0.00		0.00	0.00
5	0.00		0.00	0.00
6	0.00		0.00	0.00
7	0.00		0.00	0.00
8	0.06		0.05	0.00
9	0.00		0.00	0.00
10	0.00		0.00	0.00
11	0.00		0.00	0.00
12	0.07		0.05	0.06
13	0.00		0.00	0.00
14	0.01		0.00	0.01
15	0.00		0.01	0.01
16	0.02		0.06	0.04
17	0.25		0.16	0.21
18	0.00		0.02	0.01
19	0.13		0.12	0.13
20	0.00		0.01	0.01
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
31	0.00		0.00	0.00
TOTALS	0.48	0.00	0.43	0.46

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

APRIL, 1986

DAY	NENA GAGE	SENA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.93	0.00	0.43	0.47
3	0.41	0.00	0.97	0.46
4	0.04	0.09	0.00	0.01
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.04	0.00	0.03	0.02
9	0.00	0.00	0.23	0.10
10	0.01	0.00	0.00	0.00
11	0.15	0.00	0.12	0.09
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.22	0.28	0.51	0.34
18	0.01	0.00	0.02	0.01
19	0.00	0.03	0.00	0.01
20	0.11	0.00	0.10	0.07
21	0.09	0.19	0.02	0.10
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.04	0.06	0.16	0.09
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
TOTALS	2.19	0.56	2.58	1.78

MAY, 1986

DAY	NENA GAGE	SENA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.06	0.04	0.05	0.05
8	0.23	0.34	0.29	0.29
9	0.00	0.01	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.01	0.01	0.01
15	0.63	0.27	0.20	0.37
16	0.52	0.67	0.64	0.61
17	0.00	0.01	0.01	0.01
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.06	0.02
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.04	0.01
TOTALS	1.44	1.35	1.30	1.36

JUNE, 1986

DAY	NENA GAGE	SENA GAGE	DENVER AIRPORT	AVERAGE
1	0.02	0.07	0.00	0.06
2	0.02	0.14	0.04	0.07
3	0.00	0.00	0.00	0.00
4	0.05	0.03	0.04	0.04
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.03	0.01	0.01	0.02
8	0.00	0.05	0.09	0.05
9	0.32		0.12	0.22
10	0.53		0.38	0.46
11	0.00		0.00	0.00
12	0.00		0.00	0.00
13	0.00		0.01	0.01
14	0.00		0.00	0.00
15	0.00		0.00	0.00
16	0.21		0.10	0.16
17	0.00		0.00	0.00
18	0.00		0.19	0.10
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.00		0.00	0.00
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.01	0.01
30	0.00		0.00	0.00
TOTALS	1.18	0.30	1.07	1.16

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

JULY, 1986

DAY	NRHA GAGE	SRHA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.06		0.00	0.03
3	0.00		0.00	0.00
4	0.00		0.01	0.01
5	0.22		0.21	0.22
6	0.01		0.03	0.02
7	0.00		0.00	0.00
8	0.00		0.00	0.00
9	0.00		0.00	0.00
10	0.00		0.04	0.02
11	0.01		0.00	0.01
12	0.00		0.00	0.00
13	0.01		0.00	0.01
14	0.00		0.00	0.00
15	0.00		0.00	0.00
16	0.16	0.15	0.08	0.13
17	0.35	0.78	0.89	0.67
18	0.02	0.03	0.02	0.02
19	0.00	0.00	0.00	0.00
20	0.30	0.29	0.30	0.30
21	0.09	0.00	0.02	0.04
22	0.06	0.05	0.11	0.07
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.01	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
TOTALS	1.30	1.30	1.69	1.53

AUGUST, 1986

DAY	NRHA GAGE	SRHA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.16	0.61	0.04	0.27
3	0.00	0.04	0.00	0.01
4	0.00	0.00	0.11	0.09
5	0.01	0.01	0.00	0.01
6	0.00	0.00	0.02	0.01
7	0.14	0.01	0.04	0.06
8	0.02	0.01	0.01	0.01
9	0.04	0.00	0.00	0.01
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.02	0.00	0.01	0.01
13	0.12	0.00	0.00	0.04
14	0.00	0.00	0.01	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.01	0.00	0.06	0.02
19	0.04	0.01	0.01	0.02
20	0.02	0.00	0.00	0.01
21	0.29	0.00	0.00	0.10
22	0.01	0.00	0.17	0.06
23	0.00	0.00	0.02	0.01
24	0.00	0.00	0.00	0.00
25	0.00		0.03	0.02
26	0.12		0.00	0.06
27	0.00		0.00	0.00
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
TOTALS	1.00	0.77	0.53	0.82

SEPTEMBER, 1986

DAY	NRHA GAGE	SRHA GAGE	DENVER AIRPORT	AVERAGE
1	0.00		0.00	0.00
2	0.01		0.02	0.02
3	0.00		0.00	0.00
4	0.00		0.00	0.00
5	0.00		0.00	0.00
6	0.05		0.13	0.09
7	0.13		0.13	0.13
8	0.00	0.00	0.03	0.01
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.07	0.	0.00	0.02
22	0.25	0.19	0.05	0.16
23	0.01	0.00	0.00	0.00
24	0.06	0.05	0.06	0.06
25	0.01	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.01	0.00
30		0.00	0.00	0.00
TOTALS	0.59	0.24	0.43	0.50

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

OCTOBER, 1986

DAY	RMA GAGE	SBHA GAGE	DENVER AIRPORT	AVERAGE
1		0.00	0.00	0.00
2		0.03	0.03	0.03
3		0.26	0.21	0.24
4		0.00	0.00	0.00
5		0.00	0.00	0.00
6		0.00	0.00	0.00
7		0.00	0.00	0.00
8		0.05	0.11	0.08
9		0.03	0.03	0.03
10		0.28	0.43	0.36
11		0.01	0.21	0.11
12		0.05	0.00	0.03
13		0.04	0.00	0.02
14		0.00	0.00	0.00
15		0.00	0.00	0.00
16		0.00	0.00	0.00
17		0.00	0.00	0.00
18		0.00	0.00	0.00
19		0.01	0.01	0.01
20		0.05	0.05	0.05
21		0.00	0.00	0.00
22		0.07	0.02	0.05
23		0.14	0.19	0.17
24		0.01	0.00	0.01
25		0.00	0.00	0.00
26		0.00	0.00	0.00
27		0.00	0.00	0.00
28		0.00	0.00	0.00
29		0.00	0.00	0.00
30		0.00	0.00	0.00
31		0.00	0.00	0.00
TOTALS	0.00	1.04	1.29	1.17

NOVEMBER, 1986

DAY	RMA GAGE	SBHA GAGE	DENVER AIRPORT	AVERAGE
1		0.17	0.30	0.24
2		0.16	0.00	0.08
3		0.01	0.00	0.01
4		0.00	0.00	0.00
5		0.00	0.00	0.00
6		0.00	0.13	0.07
7		0.00	0.17	0.09
8		0.22	0.00	0.11
9		0.04	0.00	0.02
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.01	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.14	0.15	0.44	0.24
TOTALS	0.14	0.75	1.05	0.85

DECEMBER, 1986

DAY	RMA GAGE	SBHA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.01	0.00
7	0.01	0.07	0.11	0.06
8	0.01	0.04	0.10	0.05
9	0.00	0.03	0.09	0.04
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
TOTALS	0.02	0.14	0.31	0.16

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

JANUARY, 1987

DAY	NENA GAGE	SENA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.03	0.03	0.05	0.04
7	0.00	0.01	0.02	0.01
8	0.07	0.11	0.17	0.12
9	0.00	0.05	0.00	0.02
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.03	0.00	0.30	0.11
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.01	0.05	0.00	0.02
19	0.00	0.00	0.14	0.05
20	0.02	0.00	0.00	0.01
21	0.00	0.02	0.00	0.01
22	0.00	0.02	0.00	0.01
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
TOTALS	0.16	0.29	0.68	0.38

FEBRUARY, 1987

DAY	NENA GAGE	SENA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.63	0.00	0.00	0.01
4	0.00	0.64	0.86	0.63
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.02	0.01
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.41	0.14
15	0.33	0.25	0.00	0.19
16	0.04	0.03	0.02	0.03
17	0.00	0.00	0.00	0.00
18	0.05	0.02	0.27	0.11
19	0.05	0.19	0.09	0.11
20	0.00	0.07	0.02	0.03
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.01	0.00
25	0.00	0.01	0.00	0.00
26	0.05	0.00	0.30	0.12
27	0.10	0.01	0.01	0.04
28	0.00	0.00	0.00	0.00
TOTALS	0.65	0.62	1.21	0.83

MARCH, 1987

DAY	NENA GAGE	SENA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.24	0.15	0.39	0.26
9	0.12	0.11	0.02	0.08
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.05	0.00	0.00	0.02
16	0.23	0.04	0.27	0.18
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.12	0.03	0.04	0.06
21	0.06	0.04	0.04	0.05
22	0.12	0.14	0.21	0.16
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.04	0.01	0.32	0.12
28	0.00	0.00	0.02	0.01
29	0.04	0.00	0.03	0.02
30	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00
TOTALS	1.02	0.52	1.34	0.96

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

APRIL, 1987

DAY	NBNA GAGE	SBNA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.20	0.07
2	0.09	0.08	0.01	0.06
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.21	0.25	0.49	0.32
13	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.08	0.03
20	0.32	0.23	0.25	0.27
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
TOTALS	0.62	0.56	1.03	0.74

MAY, 1987

DAY	NBNA GAGE	SBNA GAGE	DENVER AIRPORT	AVERAGE
1	0.05	0.08	0.20	0.11
2	0.44	0.36	0.44	0.41
3	0.59	0.38	0.55	0.51
4	0.06	0.03	0.05	0.05
5	0.09	0.13	0.12	0.11
6	0.00	0.00	0.01	0.00
7	0.00	0.00	0.00	0.00
8	0.01	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.01	0.00	0.00	0.00
11	0.00	0.00	0.01	0.00
12	0.00	0.00	0.03	0.01
13	0.00	0.00	0.00	0.00
14	0.00	0.03	0.04	0.02
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.06	0.10	0.16	0.11
18	0.00	0.00	0.00	0.00
19	0.30	0.07	0.10	0.16
20	0.29	0.35	0.49	0.38
21	0.51	0.40	0.48	0.46
22	0.00	0.00	0.01	0.00
23	0.96	1.27	1.33	1.19
24	0.45	0.27	0.57	0.43
25	0.00	0.01	0.00	0.00
26	0.00	0.28	0.00	0.09
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.01	0.01	0.01
30	0.02	0.14	0.04	0.07
31	0.00	0.00	0.00	0.00
TOTALS	3.84	3.91	4.64	4.13

JUNE, 1987

DAY	NBNA GAGE	SBNA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.05	0.94	1.76	0.92
9	1.07	0.07	0.12	0.42
10	0.07	0.00	0.09	0.02
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.01	0.00
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00
17	0.03	0.00	0.01	0.01
18	0.13	0.22	0.28	0.18
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.36	0.47	0.53	0.45
29	0.94	0.35	0.00	0.70
30	0.02	0.55	0.00	0.19
TOTALS	2.67	2.60	3.42	2.90

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

JULY, 1987

DAY	NERA GAGE	SERA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.05	0.03	0.03
3	0.00	0.00	0.00	0.00
4	0.01	0.01	0.00	0.01
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.05	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.03	0.0.	0.02
12	0.26	0.30	0.23	0.26
13	0.01	0.00	0.00	0.00
14	0.02	0.00	0.00	0.01
15	0.06	0.00	0.00	0.02
16	0.03	0.00	0.00	0.01
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.01	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00
23	0.00	0.00	0.42	0.14
24	0.38	0.00	0.00	0.13
25	0.00	0.00	0.00	0.00
26	0.00	0.06	0.00	0.02
27	0.00	0.00	0.00	0.00
28	0.03	0.16	0.03	0.07
29	0.04	0.12	0.01	0.06
30	0.00	0.00	0.00	0.00
31	0.05	0.01	0.00	0.02
TOTALS	0.90	0.74	0.76	0.80

AUGUST, 1987

DAY	NERA GAGE	SERA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.06	0.02
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.05	0.04	0.02	0.04
14	0.00	0.00	0.00	0.00
15	0.00	0.00	0.02	0.01
16	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00
21	0.08	0.11	0.27	0.15
22	0.68	0.44	0.76	0.63
23	0.19	0.09	0.11	0.13
24	0.00		0.09	0.05
25	0.06		0.30	0.18
26	0.23		0.37	0.30
27	0.25		0.00	0.13
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00		0.00	0.00
31	0.00		0.00	0.00
TOTALS	1.54	0.68	2.00	1.62

SEPTEMBER, 1987

DAY	NERA GAGE	SERA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.01	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.10	0.02	0.06	0.06
5	0.00	0.01	0.02	0.01
6	0.00	0.01	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.01		0.00	0.01
10	0.02		0.01	0.02
11	0.00		0.00	0.00
12	0.00		0.00	0.00
13	0.00		0.00	0.00
14	0.00		0.39	0.24
15	0.01		0.01	0.01
16	0.00		0.01	0.01
17	0.04		0.19	0.12
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00
TOTALS	0.27	0.04	0.70	0.47

ROCKY MOUNTAIN ARSENAL MONTHLY PRECIPITATION

OCTOBER,1987

DAY	NRHA GAGE	SRHA GAGE	DENVER AIRPORT	AVERAGE
1	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.21		0.58	0.39
14	0.00		0.04	0.02
15	0.00		0.00	0.00
16	0.00		0.01	0.01
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26			0.00	0.00
27			0.00	0.00
28			0.00	0.00
29			0.00	0.00
30			0.61	0.61
31			0.00	0.00
TOTALS	0.21	0.00	1.24	1.03

NOVEMBER, 1987

DAY	NRHA GAGE	SRHA GAGE	DENVER AIRPORT	AVERAGE
1			0.00	0.00
2	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00
6	0.02	0.08	0.04	0.05
7	0.17	0.14	0.27	0.19
8	0.00	0.01	0.01	0.01
9	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00
14	0.31	0.35	0.38	0.35
15	0.33	0.02	0.57	0.31
16	0.00	0.00	0.00	0.00
17	0.00		0.00	0.00
18	0.00		0.00	0.00
19	0.00		0.00	0.00
20	0.00		0.00	0.00
21	0.00		0.00	0.00
22	0.00		0.00	0.00
23	0.00		0.00	0.00
24	0.00		0.00	0.00
25	0.00		0.00	0.00
26	0.23		0.34	0.29
27	0.02		0.01	0.02
28	0.00		0.00	0.00
29	0.00		0.00	0.00
30	0.00	0.00	0.00	0.00
TOTALS	1.08	0.60	1.62	1.20

MONTHLY CHERRY CREEK PAN EVAPORATION DATA 1959-1987

C[redacted] Creek Dam
Pan Evaporation In Inches
Table Assumes Daily Lake Evaporation will be .7 of the pan valve

Year/Month	January	February	March	April	May	June	July	August	September	October	November	December	Annual
1959		1.10	3.90	7.00	7.00	9.50	12.10	11.60	6.92	3.00	2.00	1.40	66.2
1960	1.40	1.00	1.40	4.40	8.20	10.30	11.90	12.30	8.50	4.10	2.90	1.20	67.6
1961	1.24	1.20	2.40	5.77	7.69	9.20	10.80	10.80	5.55	4.60	1.10	0.79	61.1
1962	.60	.60	1.55	3.33	7.80	9.20	11.80	12.20	8.40	6.30	3.00	1.50	66.3
1963	1.30	1.70	2.50	5.60	7.10	10.00	10.80	9.20	6.50	4.90	3.10	.88	63.6
1964	.88	1.30	2.00	4.00	6.90	11.70	10.00	8.80	7.60	5.80	2.40	.98	62.4
1965	.73	1.20	1.70	3.40	5.70	7.40	8.60	8.80	5.50	2.60	2.30	.94	48.9
1966	.76	.77	1.50	2.70	7.92	8.05	8.40	8.80	6.10	2.80	1.49	1.07	50.4
1967	.64	.85	1.70	3.75	5.83	6.10	6.80	7.00	6.40	3.72	1.90	1.00	45.7
1968	.61	.80	1.40	5.35	6.50	9.40	9.80	7.20	6.10	5.60	2.20	1.10	55.5
1969	.63	.64	.55	5.70	6.31	6.60	7.80	8.64	5.74	3.60	2.30	1.20	49.7
1970	.70	.75	1.50	4.50	7.20	8.80	8.60	8.20	6.30	3.00	1.90	1.70	53.2
1971	.70	.80	1.80	3.50	6.70	8.77	7.97	8.31	6.00	3.90	2.30	1.00	51.8
1972	.80	.80	1.50	3.80	6.61	7.94	8.75	8.70	5.25	4.27	2.50	.75	51.7
1973	.70	.90	1.80	3.50	6.80	8.57	8.22	8.34	5.37	4.10	1.80	.80	50.9
1974	.80	.80	1.5	4.00	8.32	7.50	9.70	7.90	5.69	4.00	1.80	.86	52.8
1975	.80	.80	1.0	3.5	6.00	7.88	9.45	8.33	6.23	6.43	2.0	.80	53.2
1976	.60	1.2	1.9	3.6	5.85	8.80	9.69	7.72	5.40	3.54	2.0	.80	51.1
1977	.60	.70	1.6	3.1	8.06	9.05	9.03	7.35	8.15	6.13	2.10	1.30	57.2
1978	.70	.90	1.6	5.6	6.69	8.76	10.54	8.96	8.64	5.60	2.70	.90	61.7
1979	.70	.90	1.60	3.20	6.00	8.20	9.33	7.97	6.48	4.46	2.00	.90	51.7
1980	.70	.90	1.60	3.20	6.75	10.33	11.05	8.45	7.04	5.8	2.70	1.00	59.5
1981	.80	.90	1.60	5.14	5.46	8.72	9.53	7.17	6.74	4.00	2.70	.90	53.7
1982	.70	.90	1.70	4.00	5.90	7.26	8.81	7.30	5.79	3.67	2.70	.90	49.6
1983	.70	.90	1.60	3.20	5.00	4.29	10.41	8.59	8.85	8.07	2.70	.90	55.2
1984	.70	.90	1.60	3.20	5.00	6.93	10.48	7.34	6.07	4.10	2.70	.90	49.9
1985	.70	.90	1.60	3.20	7.00	9.72	11.80	8.17	6.96	3.90	2.70	.90	
1986	.70	.90	1.6	3.2	5.0	8.22	8.97	7.78	6.37	3.90	2.70	.90	
1987	.70	.90	1.6	3.2	5.0	9.54	9.69	8.04*	8.86*	5.14*	2.70	.90	
27 Year avg													
1959-85	.75	.93	1.71	4.12	6.70	8.47	9.71	8.67	6.59	4.51	2.28	1.01	54.98
Evap in/mo	.53	.65	1.20	2.88	4.69	5.93	6.80	6.07	4.61	3.16	1.60	.71	38.83

NOTE: Pan valves inside border lines are actual readings: outside are estimated values
* Obtained via phone conversation 1/08/88 by Kevin Pierson

Source: COE. 1987

DAILY STREAM DISCHARGE DATA FOR RMA GAGING STATIONS OCTOBER 1985-NOVEMBER 1987

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: PEORIA INTERCEPT

\DAY / MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.0	.0	6.0
11/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0		5.0	.0	3.4
12/85	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.3
1/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.5	.0	1.9
4/86	.0	1.4	.5	3.2	3.3	.7	.4	.4	.9	.1	.3	.0	.0	.0	.0	.0	1.6	.0	.0	.3	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0		37.7	.0	26.2
5/86	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	20.4	.0	10.4
6/86	.3	.3	.0	.1	.0	.0	.0	.4	.3	1.6	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1	.1	.0		14.0	.0	7.3
7/86	.0	.0	.0	.1	.7	.1	.0	.0	.0	.1	.0	.0	.1	.1	.0	.5	4.9	.1	.0	1.4	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	121.0	.0	17.0
8/86	.0	4.0	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.2	.1	.0	.1	.0	.0	.1	.1	.3	.2	230.0	.0	14.0
9/86	.2	.1	.0	.0	.0	.3	.7	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.1	.1	.0		15.0	.0	4.1
10/86	.0	.0	.0	.0	.0	.0	.0	.1	.1	1.7	.0	.0	.2	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	2.9	17.0	.0	12.9
11/86	1.3	.2	.4	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		5.0	.0	7.4
12/86	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	.5
1/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4				.4	.0	1.5
3/87	.4	.4	1.0	1.0	1.0	1.0	2.0	4.1	4.1	2.0	1.0	1.0	1.0	1.0	.4	.4	.4	.4	.4	1.0	1.0	1.0	1.0	1.0	1.0	.4	.4	.4	.0	.0	.3	4.1	.0	69.2
4/87	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.6	.0	.0	.0	.0	.0	.1	1.0	.2	.0	.0	.0	.0	.0	.1	.2	.2	.1		9.3	.0	9.0
5/87	.7	2.0	2.0	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.1	.4	2.7	2.7	.4	5.6	.0	.0	.0	.0	.0	.0	.3	.0	28.0	.0	37.0
6/87	.1	.4	.1	.3	.3	.4	.4	.1	.0	.6	.2	.3	.4	.3	.1	.1	.1	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	2.0	.2	.0		30.0	.0	13.0
7/87	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.1	1.2	.2	.4	.4	.4	.4	.4	.4	.4	.4	.7	.4	.4	.4	.4	1.0	.4	.4	20.0	.0	19.2
8/87	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	1.0	7.6	1.5	.7	.0	1.2	.0	.0	.0	.0	.0	56.2	.0	40.9
9/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: HAVANA INTERCEPT

\DAY 1 / MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	4.2	.6	.2	.0	.2	.0	.2	.0	.2	.1	1.6	.0	2.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	3.1	20.2	.0	29.0
11/85	.1	.0	.0	.1	.0	.0	.0	.0	2.2	.0	.0	.0	1.3	.7	2.0	6.3	1.4	.7	3.0	4.0	4.0	4.0	4.0	4.0	14.4	7.5	5.6	1.6	1.3	1.3		51.2	.0	136.3
12/85	1.3	1.3	2.0	2.0	5.7	2.6	2.1	2.1	.7	.7	.7	.7	.7	1.0	1.3	1.3	1.3	.7	.7	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	8.3	.3	69.2
1/86	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.2
2/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0				.1	.0	.0
3/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.6	1.7	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27.1	.0	17.0
4/86	.0	5.7	36.3	62.0	19.7	15.3	6.6	3.5	4.6	1.7	2.2	1.6	1.3	1.4	1.0	1.0	6.4	.0	.0	.6	1.1	.1	.0	.5	1.0	1.0	.6	.5	.4	1.0		231.0	.3	350.7
5/86	1.0	.0	.0	1.1	1.7	2.0	2.6	5.6	1.2	.0	.0	.0	1.1	1.4	3.3	18.3	.6	.0	.4	.2	.5	.4	.5	.3	.4	1.3	1.5	1.6	1.7	1.6	1.4	48.5	.3	95.1
6/86	1.0	2.3	.7	.9	.7	.7	.7	1.0	1.4	6.3	.9	.9	.9	.5	1.0	1.9	1.0	1.7	.0	.9	.7	.0	.9	1.2	1.0	1.0	1.3	1.3	1.3	1.1		45.7	.5	77.5
7/86	1.4	1.6	1.4	1.2	3.6	1.7	1.4	1.1	1.2	1.5	1.0	.9	1.0	1.1	1.2	2.7	7.2	6.2	1.3	5.4	1.0	1.9	1.2	1.0	1.1	1.1	1.3	1.1	.0	.0	.0	210.4	.6	113.7
8/86	.7	11.2	1.5	1.0	1.6	1.6	1.4	1.7	1.7	1.6	1.5	1.7	1.7	1.7	1.7	1.6	1.7	1.0	1.7	1.6	1.7	4.4	1.0	1.7	1.7	1.2	1.1	1.1	1.3	1.1	1.1	189.5	.3	118.6
9/86	1.3	1.4	1.2	1.3	1.1	1.5	3.0	2.1	1.1	.9	.0	.0	.7	.0	1.0	1.4	1.6	1.3	1.0	1.0	.0	1.4	.0	1.1	.0	1.0	1.2	1.4	1.1	.0		25.0	.5	70.5
10/86	1.1	1.1	3.6	1.3	1.0	1.1	1.0	1.0	1.6	6.5	3.7	1.3	1.5	1.0	.7	.0	.7	.7	.7	1.4	.0	.0	4.1	1.2	1.0	.7	.0	.7	.0	.7	3.0	32.0	.7	88.0
11/86	1.2	1.6	1.5	1.3	1.3	1.7	3.6	1.4	1.3	1.0	1.0	1.3	1.1	.7	.5	.3	.2	.1	.1	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	3.4	41.7	.1	53.0
12/86	4.0	1.2	.6	.3	.4	.3	.9	.4	.3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	35.0	.1	22.0
1/87	.1	.1	.1	.1	.1	.1	.1	.3	.3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	4.1
2/87	.9	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.5	.3	.3				.3	.0	3.0
3/87	.3	.3	.3	.3	.3	.3	1.3	3.0	5.2	3.0	1.3	.3	.3	.3	3.0	3.0	3.0	1.3	.3	6.5	6.5	6.5	6.5	6.0	2.1	.7	.1	.1	.1	.1	.0	6.5	.1	121.5
4/87	1.0	4.2	.5	.3	.1	.0	.0	.0	.0	.0	.0	6.0	6.5	.1	.1	.1	.1	.1	.1	10.4	1.0	1.3	1.3	1.3	1.3	1.3	1.1	.7	.7	.0		32.0	.0	77.4
5/87	4.0	6.5	10.1	2.3	5.1	2.6	1.0	2.2	2.0	1.5	1.0	4.5	1.4	1.0	1.2	1.0	2.1	1.4	2.3	16.9	20.3	5.2	20.9	9.1	1.0	1.3	1.3	1.3	1.5	2.2	1.3	389.4	.0	276.6
6/87	1.3	1.3	1.3	1.3	1.4	1.3	1.5	31.7	10.0	6.2	4.3	4.1	2.6	3.0	3.0	3.0	4.1	7.5	4.6	3.9	4.3	4.0	4.7	4.1	3.6	3.9	3.4	7.2	9.3	2.9		677.1	1.0	293.9
7/87	1.6	1.3	1.7	1.2	1.5	1.6	1.0	1.1	1.1	1.5	1.5	4.3	1.7	1.6	1.7	1.6	1.6	1.5	1.5	1.6	1.4	1.5	1.4	4.9	1.4	1.3	2.2	3.5	4.4	2.9	3.1	33.2	.6	119.1
8/87	2.5	2.5	2.5	2.7	2.6	2.3	2.3	1.9	1.6	2.2	1.7	1.5	1.7	1.7	1.4	1.4	1.5	1.1	1.2	1.1	2.1	12.2	3.2	1.1	.0	.0	.0	.0	.0	.0	.0	82.0	.0	113.0
9/87	1.6	1.5	1.5	5.4	1.7	1.6	1.3	.9	.9	.0	1.0	.7	.7	5.0	2.7	1.4	4.2	1.6	1.3	1.3	1.2	.0	.0	.0	1.0	.0	.7	1.3	1.3	1.3		123.2	.6	102.4
10/87	1.3	1.4	1.3	1.3	.9	.3	.3	.3	.3	.3	.3	.0	7.2	3.5	1.3	1.3	1.3	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.3	.7	.3	.3	.3	12.0	1.3	88.1	.3	98.1
11/87	1.3	.0	.6	.6	.6	.5	2.1	.6	.2	.3	.3	.3	.3	1.9	1.7	4.2	3.0	.0	1.0	.7	.5	.4	.7	.7	.7	9.7	7.3	2.4	2.6	1.7		32.1	.1	96.5

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: LABORA WEIR

MONTH\DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.0	10.4
11/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		5.0	.0	1.5
12/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
7/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.0	10.0
8/86	.0	.0	.0	.0	.0	.0	.0	1.7	5.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	20.4
9/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1	6.0		7.0	.0	23.0
10/86	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.0	.0	5.1
11/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	13.6	5.7	.0	.0	.0	.0		13.6	.0	53.0
7/87	.0	.0	.0	.0	.0	5.7	13.2	14.5	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.2	.0	82.1
8/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/87	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.1	.0	1.1
10/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/87	.0	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.1	.0	1.5

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: SOUTH HVALDA

\DAY 1 MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.3	.5	.4	.4	.5	.5	.5	.4	.4	.4	1.1	.4	1.6	.7	.4	.4	.4	.4	.5	.5	.5	.6	.6	.4	.4	.4	.4	.4	.4	.5	2.0	62.0	.4	37.4
11/85	.6	.5	.5	.5	.5	.5	.5	.5	1.5	.6	.7	.5	.5	.4	1.4	.6	.5	.5	.6	.6	.5	.4	.4	.5	.8	.4	.4	.4	.4	.4		8.4	.4	34.2
12/85	.4	.5	.6	.5	.5	.6	.5	.5	.5	.4	.4	.4	.4	.4	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	1.2	.4	27.0
1/86	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.4	.4	.4	.4	1.2	.4	24.8
2/86	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4				.4	.4	22.2
3/86	.4	.4	.4	.4	.4	.4	.6	.4	.4	.4	.4	.4	.4	.4	.4	.5	1.2	.6	.8	.8	.4	.4	.4	.4	.4	.5	.5	.5	.5	.5	.4	8.6	.4	29.8
4/86	.4	6.5	1.8	25.8	11.2	4.8	2.4	1.6	1.8	1.1	1.1	.8	.5	.6	.6	.7	4.8	.8	.7	1.7	1.8	.6	.7	.6	.6	.8	.5	.6	.6	.6		121.0	.2	147.2
5/86	.6	.6	.7	.7	.8	.8	.7	2.8	.7	.6	.7	.6	.7	.7	2.2	5.3	.6	.6	.6	.7	.7	.6	.6	.6	.7	.7	.7	.8	.8	.8	.7	52.0	.4	56.8
6/86	.8	1.1	.6	.7	.7	.8	.7	1.8	.7	6.8	.7	.7	.7	.7	.8	1.8	.8	.8	.8	.8	.9	.8	.8	.8	.8	.8	.8	.8	.8	.8		8.4	.5	58.3
7/86	.9	1.1	1.2	1.3	1.8	.9	.8	.8	.8	.9	.8	.7	.8	.8	.9	1.1	8.3	1.3	.7	3.2	.8	.9	.6	.7	.6	.5	.6	.8	.8	.8	.8	181.0	.4	73.3
8/86	.8	14.9	1.6	1.8	.8	.8	.8	.8	.8	.8	.6	.7	.8	.7	.8	.8	.7	.8	.7	.7	.7	1.8	.6	.7	.6	.5	.5	.5	.7	.5	.5	282.0	.4	75.4
9/86	.6	.7	.6	.6	.7	.6	.8	.7	.5	.5	.5	.6	.4	.4	.6	.5	.5	.5	.6	.5	.5	.6	.5	.7	.6	.8	.5	.5	.6	.8		2.8	.4	34.8
10/86	.8	.8	1.3	.8	.8	.7	.6	.6	.7	3.5	1.4	.6	.7	.5	.4	.4	.4	.4	.4	.7	.5	.5	1.7	.5	.5	.5	.5	.6	.5	.5	1.7	52.0	.4	49.8
11/86	1.5	.5	.5	.5	.4	.4	1.6	.4	.4	.4	.4	.4	.4	.3	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.5		7.6	.3	27.1
12/86	1.1	.5	.4	.3	.4	.3	.5	.4	.4	.4	.4	.4	.4	.4	.3	.3	.3	.5	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	4.7	.3	22.6
1/87	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.4	.3	20.8
2/87	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3				.4	.3	18.2
3/87	.3	.4	.4	.8	.8	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	.8	.8	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	1.2	.3	46.8
4/87	.6	.8	.4	.3	.4	.4	.4	.4	.4	.4	.4	2.5	.7	.5	.5	.5	.8	.6	.6	1.5	.3	.4	.4	.4	.4	.4	.4	.4	.5	.5		6.8	.8	33.9
5/87	1.4	4.6	8.7	.7	.7	.4	.4	.6	.4	.4	.5	.8	.6	.4	.5	.5	.6	.5	.6	2.6	11.1	.6	5.2	1.6	.7	.4	.5	.4	.4	.8	.7	67.0	.4	84.8
6/87	.4	.3	.3	.3	.4	.2	.4	9.2	9.4	.6	.5	.5	.5	.5	.6	.8	.8	4.8	1.8	.5	.5	.4	.4	.4	.5	.5	.4	.8	8.5	.7		128.0	.3	90.3
7/87	.4	.4	.4	.4	.4	.5	.5	.5	.7	.7	.6	1.5	.5	.6	.7	.7	.7	.6	.6	.7	.7	.6	1.1	6.5	.7	.8	.8	.8	1.8	.8	.8	118.0	.3	48.8
8/87	.7	.7	.8	.8	.8	.8	.8	.8	.8	.8	1.8	1.2	1.2	1.6	1.8	.8	.7	.7	.8	.8	1.3	38.3	6.1	1.8	1.1	1.4	.8	.7	.6	.6	.7	118.0	.8	134.4
9/87	.8	.8	.8	1.7	.3	.3	.6	.8	.8	.8	.8	.8	.8	5.7	3.7	.3	2.6	.4	.4	.3	.6	.8	.8	.8	.8	.8	.8	.8	.8	.8		118.0	.2	61.8
10/87	.8	.8	.8	.8	.8	1.8	1.8	1.8	1.8	1.6	.8	.7	2.3	6.9	.6	.8	.8	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	3.7	1.4	118.0	.3	59.2
11/87	.3	.3	.3	.3	.3	.4	.4	1.8	.4	.3	.3	.3	.3	.4	1.1	1.2	1.8	.7	.5	.5	.4	.4	.4	.4	.4	.6	.8	.6	.4	.3		2.8	.2	29.3

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: NORTH FULDA

\DAY / MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	NORTH MAX (CFS)	NORTH MIN (CFS)	NORTHLY TOTAL (AC/FT)
10/85	.5	.3	.3	.3	.3	.4	.3	.3	.3	.3	.5	.3	.7	.4	.3	.3	.3	.3	.4	.4	.4	.5	.8	.4	.4	.4	.4	.5	.5	.6	1.1	3.8	.2	25.3
11/85	.5	.4	.4	.6	.4	.4	.4	.4	.8	.6	.5	.4	.4	.4	.7	.6	.4	.4	.9	1.5	1.5	1.5	1.5	2.8	3.6	1.8	1.8	.9	1.1	1.1		5.8	.4	54.2
12/85	2.4	2.9	2.9	1.1	2.8	2.8	.4	.4	.4	.5	.9	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	3.3	.3	45.1
1/86	.3	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.4	.3	22.6
2/86	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.4	.4	.4	.4	.3				.4	.3	17.5
3/86	.3	.3	.5	.3	.3	.3	.3	.3	.3	.3	.4	.3	.3	.3	.3	.3	.5	.3	.5	.5	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.9	.3	17.6
4/86	.3	.7	1.8	2.8	2.1	.9	1.3	1.4	1.4	1.1	1.1	.8	.6	.6	.6	.6	1.4	.8	.6	.6	1.1	.6	.5	.4	.4	.5	.4	.5	.5	.5		15.8	.8	51.7
5/86	.5	.5	.4	.5	.5	.4	.4	1.3	.6	.5	.4	.4	.4	.4	1.4	3.6	.5	.4	.4	.4	.4	.2	.3	.3	.3	.3	.3	.3	.4	.4	.3	12.3	.1	34.0
6/86	.3	.5	.3	.4	.3	.3	.3	.3	.3	2.2	.3	.2	.2	.2	.2	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2		14.6	.2	18.7
7/86	.2	.3	.3	.4	.7	.3	.3	.3	.4	.4	.3	.3	.3	2.9	12.8	12.1	12.8	7.6	7.9	15.8	6.5	.8	.5	.4	.4	.4	.4	.4	.4	.4	.4	38.8	.2	171.4
8/86	.3	4.3	.5	.3	.3	.3	.3	.3	.3	.3	.4	.4	.4	.3	.3	.4	.3	.3	.2	.2	.2	.9	.3	.2	.2	.2	.2	.2	.3	.2	.2	30.5	.1	27.1
9/86	.2	3.2	14.0	12.8	13.5	13.6	14.7	16.5	8.4	.5	.4	.4	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.4		24.0	.2	282.4
10/86	.4	.4	.8	.5	.4	.4	.3	.3	.4	1.1	1.2	.3	.4	.3	.3	.3	.3	.3	.3	.4	.2	.2	.9	.3	.3	.3	.3	.2	.2	.3	1.2	10.2	.2	25.8
11/86	1.4	.3	.2	.2	.2	.2	.8	.2	.2	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.3		5.8	.1	16.7
12/86	.7	.3	.3	.3	.3	.2	.3	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	2.9	.2	14.4
1/87	.2	.2	.2	.2	.3	.3	.3	.3	.3	.3	.3	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.3	.1	11.3
2/87	.2	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.1	.1				.2	.1	8.9
3/87	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1	7.5
4/87	.1	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.6	.2	.1	.1	.1	.1	.1	.1	.6	.1	.1	.1	.1	.1	.1	.1	.1	.2	.1		5.6	.1	10.5
5/87	.7	2.2	3.7	.3	.4	.2	.2	.2	.2	.2	.2	.4	.2	.1	.1	.1	.2	.1	.1	1.5	3.9	.2	2.8	1.6	.2	.2	.2	.2	.2	.5	.2	20.8	.8	39.6
6/87	.2	.2	.2	.2	.2	.2	.2	2.9	3.6	.2	.2	.2	.2	.2	.2	.2	.3	2.4	9.5	7.4	8.1	12.8	11.7	12.5	8.2	12.4	12.6	14.9	26.8	6.6		55.8	.1	306.8
7/87	.3	.2	.2	.1	.1	.1	.1	.1	.5	.3	.2	1.2	.2	.1	.2	.2	.1	4.2	10.8	12.4	12.2	12.1	5.2	2.5	.2	.2	.2	.2	.1	.1	.1	24.8	.1	126.6
8/87	.1	.8	.8	.1	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.7	6.1	16.7	6.1	.4	.4	.8	.2	.1	.8	.1	.1	49.8	.8	75.2
9/87	.1	.1	.1	.8	.1	.1	.1	.1	.1	.1	.8	.1	.8	3.8	.9	.1	1.4	.1	.8	.1	.1	.1	.8	.1	.1	.1	.1	.1	.1	.1		32.8	.8	16.3
10/87	.1	.1	.1	.1	.1	.1	.1	.8	.1	.1	.1	.2	1.8	4.3	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.5	.3	27.8	.8	20.3
11/87	.8	.8	.8	.8	.8	.1	.2	.6	.1	.1	.1	.1	.1	.6	.8	.8	.6	.2	.2	.1	.1	.1	.1	.1	.1	.3	.4	.3	.1	.2		8.4	.8	12.8

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: HIGHLINE LATERAL

\DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
MONTH\																																		
10/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
7/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	10.4	10.8	11.0	7.9	9.7	13.5	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.1	.0	145.1
8/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/86	.0	2.2	11.1	11.5	12.5	12.5	12.5	12.5	7.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		12.5	.0	162.7
10/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				.0	.0	.0
3/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
5/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	10.4	9.7	10.1	11.4	11.4	11.0	9.0	11.6	11.0	11.4	11.2	10.9		10.4	.0	262.6
7/87	8.1	11.3	.2	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	4.2	9.6	11.0	10.7	11.0	8.4	.3	.0	.0	.0	.0	.0	.0	.0	12.0	.0	148.4
8/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	4.9	6.0	7.9	6.2	.0	.0	.0	.0	.0	.0	.0	10.4	.0	51.1
9/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: SOUTH FIRST CREEK

\DAY 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
MONTH\																																	
10/85	1.5	1.2	1.1	.8	1.0	1.1	1.0	.7	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.5	1.0	3.1	.7	60.1
11/85	1.6	1.5	1.5	1.4	1.5	1.4	1.5	1.5	1.6	1.4	1.5	1.5	1.5	1.3	1.4	1.4	1.5	1.8	3.4	2.0	1.5	1.3	1.3	1.4	1.6	1.5	1.5	1.4	1.2	.0		10.4	.4	82.7
12/85	.3	.7	1.1	1.3	1.6	1.8	2.2	2.4	2.0	1.0	1.1	1.1	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.0	2.0	2.0	2.0	2.0	3.7	.2	116.3
1/86	2.8	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.0	1.1	1.1	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.6	.7	99.6
2/86	2.6	2.6	2.6	2.6	2.6	2.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.1				2.6	1.1	103.8
3/86	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.3	1.5	1.4	1.5	1.4	1.1	1.1	.8	.7	.7	.7	.7	.7	.7	.7	2.3	.7	65.0
4/86	.7	1.1	2.1	39.2	41.0	11.2	6.0	3.3	3.3	3.1	2.7	2.6	2.3	2.0	2.0	2.0	2.3	2.0	2.0	1.7	2.6	2.0	2.0	2.0	2.0	2.1	2.0	1.8	1.5	1.5		117.0	.7	301.4
5/86	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.7	3.0	2.1	1.5	1.5	1.5	1.4	1.3	1.2	1.1	1.2	1.5	1.5	1.6	1.0	1.0	1.6	10.1	1.1	98.4
6/86	1.5	1.5	1.3	1.1	1.3	1.1	1.0	1.0	1.4	2.6	1.4	1.0	.8	.9	.9	.7	.6	.7	.6	.8	.8	.5	.4	.2	.2	.2	.1	.1	.0	.1		4.7	.0	49.2
7/86	.2	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.3	.2	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.5	.0	3.9
8/86	.0	.1	1.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	6.7
9/86	.0	.0	.0	.0	.0	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.2	.3	.2	.2	.5	.4	.2	.2		2.0	.0	7.0
10/86	.2	.2	.4	.5	.3	.2	.2	.2	.2	.3	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.5	.7	.7	.7	.7	.7	.7	.7	.7	1.0	1.5	.2	29.2
11/86	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	.9	1.1	.9	.9	1.1	1.1	1.1	.9	.7	.7	.7	.9	.7	.7	.7	.7	.7	.7	.7	.7	.6		1.8	.4	53.7
12/86	.7	.9	.7	.7	.7	.6	.7	.9	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	.5	67.4
1/87	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.0	2.6	3.3	4.1	5.0	5.0	4.1	4.1	3.3	2.6	2.6	2.0	2.0	2.0	1.5	1.5	1.5	1.1	5.0	1.1	139.0
2/87	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5				1.5	1.1	78.8
3/87	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.8	1.1	82.9
4/87	1.5	1.6	1.5	1.3	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.6	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	.9	.7	.8	.7	.6		2.6	.5	68.0
5/87	.8	1.3	3.5	2.4	1.7	1.5	1.4	2.1	1.1	1.1	.8	1.2	2.4	2.1	.9	.8	3.1	3.2	1.5	5.0	3.7	5.3	18.1	36.3	5.8	2.7	2.0	1.8	1.5	1.5	1.5	207.2	.5	224.3
6/87	1.3	1.4	1.1	1.3	1.1	.9	1.0	2.1	71.0	8.8	3.7	2.6	2.3	1.8	1.4	1.1	.9	3.8	1.3	.9	.8	.7	.7	1.1	.7	.4	.3	.4	2.7	2.3		119.1	.1	235.3
7/87	1.4	2.7	1.3	1.1	1.1	.6	.3	.2	.1	.0	.0	.0	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	5.5	.0	21.6
8/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.1	.1	.2	1.1	.5	.1	.0	.0	.4	2.1	.0	6.3
9/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.2	.2	.2	.1	.2	.2	.2		.2	.0	4.4
10/87	.2	.2	.2	.2	.2	.2	.3	.4	.2	.3	.4	.4	.6	1.6	.8	.7	.7	.7	.5	.4	.4	.4	.4	.4	.4	.6	.7	.7	.7	1.1	1.6	5.0	.2	34.8
11/87	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.1	1.1	1.1	1.1	1.1	1.2	1.8	2.0	3.2	3.0	4.0	1.9	1.5	1.5	1.4	1.1	1.1	1.0	1.4	2.6	2.1	1.9		12.4	.7	93.5

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: NORTH FIRST CREEK

MONTH \ DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	2.4	1.3	.9	.5	.5	.5	.5	.5	.5	.5	.7	1.1	.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.3	1.3	1.3	1.5	2.1	2.4	.5	85.0
11/85	2.3	2.1	1.8	1.5	1.5	1.5	1.5	1.8	2.1	3.6	2.3	2.8	3.4	5.1	6.4	6.4	5.4	6.4	6.0	3.1	3.3	3.2	3.0	3.1	3.4	6.1	6.1	6.3	6.4	3.9		13.5	1.1	183.8
12/85	3.8	6.0	2.9	1.7	.9	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	1.5	2.8	4.1	6.2	6.2	5.8	5.0	4.1	3.4	3.4	2.8	2.8	2.8	6.2	.0	127.5
1/86	2.8	6.1	6.1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	4.1	3.4	2.8	2.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	5.8	1.5	185.3
2/86	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.1				2.1	1.5	87.2
3/86	2.1	2.1	2.1	1.2	.5	.5	.8	1.1	1.1	.5	.8	1.1	1.1	.8	.7	.6	1.1	1.2	1.8	1.1	1.1	1.1	1.1	1.1	1.1	.9	1.1	.7	.5	.5	.5	2.1	.5	61.8
4/86	.5	.8	9.4	15.9	7.8	9.4	10.2	6.3	7.5	6.4	5.8	6.7	3.8	3.4	3.4	2.8	3.2	3.8	2.8	2.6	2.6	2.6	2.8	2.7	2.1	2.2	2.1	2.1	2.1	1.7		21.5	.5	252.9
5/86	1.5	1.5	1.5	1.5	1.1	1.1	1.1	1.3	1.5	1.2	1.1	1.1	1.1	.9	1.2	4.5	2.7	1.8	1.3	1.1	.9	.5	.3	.2	.1	.1	.4	.5	.5	.6	.6	6.2	.1	89.5
6/86	.5	.5	.5	.2	.2	.3	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		2.8	.0	5.4
7/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
12/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	1.1	1.1	1.1	1.1	.0	28.4
2/87	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	1.5	1.5	2.1	2.1	2.5				2.8	.5	55.8
3/87	2.8	2.8	2.8	2.1	2.1	1.5	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.1	2.1	2.1	2.1	2.0	2.8	1.1	98.2
4/87	1.6	1.5	1.5	1.5	1.1	1.1	1.1	1.1	1.1	.5	.5	1.1	2.1	1.6	1.5	1.2	1.1	1.1	1.0	1.1	1.1	1.1	1.1	.8	.5	.5	.5	.5	.5	.5		2.1	.5	63.7
5/87	.5	.6	2.5	4.1	2.5	2.1	1.8	1.4	1.1	.9	.5	.5	1.6	1.5	.8	.1	.1	8.9	5.7	5.0	5.5	11.2	9.9	31.2	10.4	6.6	1.9	.8	.2	.4	.7	49.0	.1	235.9
6/87	.5	3.4	2.7	1.9	1.4	.7	.1	.0	88.9	18.5	4.3	3.1	2.3	1.8	1.3	.9	.4	1.7	2.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0		213.0	.0	257.5
7/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1
8/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0
10/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11/87	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: SOUTH PLANTS DITCH

\DAY 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
MONTH\			
10/85 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
11/85 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
12/85 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
1/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
2/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
3/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
4/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
5/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
6/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
7/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
8/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
9/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
10/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
11/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
12/86 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
1/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
2/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
3/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
4/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
5/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
6/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
7/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
8/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
9/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
10/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0
11/87 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	.0	.0	.0

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: BASIN A

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
10/85	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	1.92	.00	.58
11/85	.01	.01	.01	.01	.01	.01	.01	.01	.03	.02	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.00	.00	.00	.00	.00		.20	.00	.56
12/85	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
1/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00
3/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.17	.00	.14
4/86	.00	.00	.46	.22	.31	.29	.16	.10	.09	.04	.03	.02	.02	.02	.02	.02	.05	.02	.02	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01		1.81	.00	4.31
5/86	.01	.01	.01	.01	.02	.02	.02	.00	.02	.01	.01	.01	.01	.01	.02	.13	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	2.49	.00	1.04
6/86	.02	.01	.01	.01	.01	.01	.01	.07	.12	.01	.01	.01	.01	.01	.01	.02	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		3.01	.00	.91
7/86	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.11	.01	.01	.03	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	5.63	.00	.77
8/86	.00	.05	.00	.00	.00	.01	.01	.21	.01	.01	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.05	.00	.00	.00	.01	.00	.00	.00	.00	.00	3.75	.00	.04
9/86	.00	.00	.00	.00	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00		.70	.00	.19
10/86	.00	.00	.02	.03	.00	.00	.00	.00	.00	.04	.02	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.00	.02	.00	.00	.00	.00	.00	.01	.00	.00	.75	.00	.79
11/86	.00	.01	.01	.01	.01	.01	.04	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00	.01	.02	.01	.01	.01	.01		.36	.00	.57
12/86	.02	.01	.01	.01	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00	.13
1/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00
3/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.65	.01	.91	.01	.01	.01	.01	.01	.03	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01		.10	.00	.42
5/87	.01	.05	.22	.02	.02	.01	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.14	.01	.33	.15	.02	.01	.01	.01	.01	.01	.01	4.50	.00	2.19
6/87	.01	.01	.01	.01	.01	.01	.01	.22	.04	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.01	.02	.02	.01	.01	.01	.01	.01	.06	.10	.03		4.33	.01	1.68
7/87	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.04	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.04	.01	.01	.01	.01	.02	.01	.01	.96	.00	.69
8/87	.01	.01	.01	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01	.00	.22	.05	.02	.03	.03	.01	.01	.01	.31	.01	1.43	.00	1.06
9/87	.01	.01	.01	.14	.01	.01	.01	.01	.01	.01	.01	.01	.01	.78	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00		3.02	.00	2.30
10/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01	.01	.00	.04	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.06	.01	1.34	.00	.65
11/87	.00	.00	.00	.00	.00	.00	.02	.01	.01	.01	.01	.01	.01	.03	.04	.05	.03	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.26	.00	.74

***** DAILY STREAM DISCHARGE SUMMARY (CFS) *****

STATION: FIRST CR. GPF POST

\DAY MONTH\	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	MONTH MAX (CFS)	MONTH MIN (CFS)	MONTHLY TOTAL (AC/FT)
7/86	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.06	.00	.76
8/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00	.00
10/86	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.03	.00	.02
11/86	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.02	.03	.03	.02	.01	.02	.01	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.10	.01	1.09
12/86	.03	.03	.03	.03	.03	.03	.03	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.03	3.27
1/87	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.10	.15	.21	.28	.36	.36	.06	5.28
2/87	.56	.82	.68	.56	.46	.36	.28	.28	.28	.28	.36	.46	.56	.68	.82	.82	.68	.56	.56	.46	.46	.36	.36	.36	.46	.46	.56	.56				.82	.28	27.97
3/87	.68	.68	.68	.68	.68	.82	.82	.82	.82	.82	.82	.97	.97	1.13	1.13	1.13	1.13	1.13	1.13	.97	.97	.97	.97	.97	.82	.82	.68	.68	.56	.56	.68	1.13	.56	52.94
4/87	.82	.97	1.13	1.13	1.13	.97	.79	.82	.91	.75	.68	.99	1.69	1.49	1.23	1.04	.90	.82	.70	.81	.97	.84	.82	.65	.56	.47	.46	.46	.46	.46		2.16	.46	51.45
5/87	.46	.54	1.71	4.18	2.91	2.17	1.76	1.36	1.09	.93	.67	.54	.61	1.59	.79	.42	.31	2.68	3.16	1.84	2.02	4.35	5.62	11.5	7	18.48	3.95	3.02	2.01	2.31	1.95	1.60	18.00	.28	150.21
6/87	1.32	.98	.76	.64	.56	.33	.14	.12	10.93	15.67	7.13	4.24	2.76	1.89	1.30	.86	.51	.46	2.60	.58	.25	.09	.08	.07	.07	.07	.07	.07	.15	.83		23.19	.06	109.97
7/87	.02	.21	.48	.15	.05	.07	.06	.07	.06	.06	.06	.09	.07	.06	.05	.04	.03	.03	.03	.02	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	1.30	.00	5.16
8/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.07	.09	.00	.04	.00	.36	.00	.32
9/87	.00	.00	.00	.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.01	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00		.10	.00	.21
10/87	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.03	.03	.03	.03	.02	.01	.01	.01	.01	.02	.03	.02	.01	.01	.01	.00	.01	.02	.00	.92
11/87	.01	.01	.01	.01	.01	.02	.01	.01	.02	.03	.03	.03	.03	.03	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03		.10	.01	1.53

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WATER QUALITY DATA FOR RMA SURFACE WATER SAMPLING SITES 1ST QUARTER FY1986-
4TH QUARTER FY1987

NESW

PARAMETER:					SAM TYPE	S TECH	INSTAL SAMPLE	DEPTH CM	SITE TYPE	ARSENIC UG/L	B UG/L	CADMIUM UG/L	CR UG/L	COPPER UG/L	LEAD UG/L	ZINC UG/L	GA UG/L	MO UG/L
UNITS:																		
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	0	01-001	01/02/86	08:50	SW	G	NK	0.0	DTCH									
T4SW2	7	01-001	07/02/86	11:30	SW	G	NK	0.0	DTCH									
T4SW3	1	01-001	09/03/86	09:51	SW	G	NK	0.0	DTCH									
T44SW3	1	01-001	05/19/87	14:00	SW	G	NK	0.0	DTCH	2.56	4430	NA	NA	NA	NA	NA	NA	NA
T44SW4	1	01-001	10/30/87	08:19	SW	G	NK	0.0	DTCH	<3.07	4060	<5.16	<5.96	<7.94	<10.6	<20.1	79700	24600
T4-SW	1	01-002	01/02/86	11:12	SW	G	NK	0.0	DTCH									
T4SW2	1	01-002	07/02/86	08:50	SW	G	NK	0.0	DTCH									
T4SW3	2	01-002	09/03/86	08:47	SW	G	NK	0.0	DTCH									
T44SW3	2	01-002	05/20/87	10:21	SW	G	NK	0.0	POND	11.5	15100	<5.16	<5.96	<7.94	<10.6	40.0	204000	54600
T4SW3	34	01-003	08/12/86	14:32	SW	G	NK	0.0	DTCH									
T44SW4	34	01-004	10/26/87	13:50	SW	G	NK	0.0	LAKE	<3.07	4746	<5.16	<5.96	<7.94	<10.6	<20.1	20100	12700
DRQ1W	72	01CD3	12/14/85	09:15	SW	G	NK	0.0	RVER									
QPSW	1	01CD3	04/07/86	09:30	SW	G	NK	0.0	RVER	<3.90	2890	<5.20	<6.00	<7.90	<10.5	44.3	82600	12000
QPSW2	1	01CD3	06/12/86	13:30	SW	G	NK	0.0	RVER	0.15	13000	<5.16	7.76	<7.94	<10.6	26.5	139000	18500
QPS3	1	01CD3	09/04/86	09:20	SW	G	NK	0.0	RVER	<4.00	5400	<5.20	<6.00	<7.90	<10.5	<20.1	81000	16000
T44QS1	1	01CD3	12/16/86	12:50	SW	G	NK	0.0	RVER	33.4	7230	<5.16	<11.9	<7.94	<10.6	65.2	84400	18900
T44QS2	1	01CD3	03/26/87	13:30	SW	G	NK	0.0	RVER	<2.50	10200	<5.16	10.1	10.2	<10.6	49.3	110000	22300
T44QS3	1	01CD3	06/16/87	11:04	SW	G	NK	0.0	RVER	<3.07	5010	<5.16	<5.96	<7.94	<10.6	30.4	55300	12300
T44QS4	1	01CD3	10/16/87	10:41	SW	G	NK	0.0	RVER	<3.07	9330	<5.16	16.3	<7.94	<10.6	39.6	89400	17700
QPSW	2	01DCC	04/07/86	09:30	SW	G	NK	0.0	DTCH	<3.90	3550	<5.20	<6.00	<7.90	<10.5	37.9	65500	11800
QPSW2	2	01DCC	06/12/86	13:00	SW	G	NK	0.0	DTCH	<3.90	12500	<5.16	<5.96	<7.94	<10.6	46.2	88300	11700
QPS3	2	01DCC	09/04/86	08:50	SW	G	NK	0.0	DTCH	<4.00	3670	<5.20	<6.00	<7.90	<10.5	23.0	55200	12400
T44QS1	2	01DCC	12/16/86	12:20	SW	G	NK	0.0	DTCH	<3.90	4150	<5.16	<11.9	<7.94	<10.6	30.7	78000	14000
T44QS2	2	01DCC	03/26/87	12:30	SW	G	NK	0.0	DTCH	2.90	5080	<5.16	<5.96	<7.94	<10.6	40.7	72500	15100
T44QS3	2	01DCC	06/16/87	10:30	SW	G	NK	0.0	DTCH	<3.07	1870	<5.16	<5.96	<7.94	<10.6	30.5	27300	7220
T44QS4	2	01DCC	10/16/87	09:45	SW	G	NK	0.0	DTCH	<3.07	4660	<5.16	16.3	<7.94	<10.6	60.3	92700	16500
T4-SW	2	02-001	12/12/85	13:30	SW	G	NK	0.0	LAKE									
T4SW2	3	02-001	07/02/86	12:00	SW	G	NK	0.0	LAKE									
T4SW3	3	02-001	09/03/86	13:11	SW	G	NK	0.0	LAKE									
T44SW3	3	02-001	05/20/87	11:17	SW	G	NK	0.0	DTCH	<2.50	4050	<5.16	<5.96	<7.94	<10.6	<20.1	48400	15400
T44SW4	3	02-001	10/29/87	11:52	SW	G	NK	0.0	DTCH	<3.07	3710	<5.16	<5.96	<7.94	<10.6	<20.1	43600	14400
T44SW3	5	02-003	06/30/87	13:00	SW	G	NK	0.0	DTCH	<3.07	1670	<5.16	<5.96	<7.94	<10.6	50.9	15200	2250
T4-SW	41	02-004	01/02/86	16:20	SW	G	NK	0.0	DTCH									
T4SW2	4	02-004	07/02/86	08:50	SW	G	NK	0.0	DTCH									
T4SW3	38	02-004	09/03/86	13:31	SW	G	NK	0.0	DTCH									
T44SW3	36	02-004	05/27/87	07:42	SW	G	NK	0.0	DTCH	18.5	3620	<5.16	<5.96	<7.94	<10.6	22.7	38100	16000
T4SW3	37	02-005	09/03/86	12:47	SW	G	NK	0.0	DTCH									
T44SW3	39	02-005	05/21/87	14:11	SW	G	NK	0.0	DTCH	15.9	3350	<5.16	<5.96	<7.94	<10.6	50.7	36400	15200
T44SW4	37	02-005	10/29/87	13:15	SW	G	NK	0.0	DTCH	<3.07	4290	<5.16	<5.96	<7.94	<10.6	<20.1	25500	16600
T44SW3	4	02-006	06/30/87	13:57	SW	G	NK	0.0	DTCH	<3.07	<1260	<5.16	<5.96	<7.94	<10.6	94.2	15100	3910
T44SW4	39	02-007	10/26/87	13:21	SW	G	NK	0.0	LAKE	<3.07	3940	<5.15	<5.96	<7.94	<10.6	<20.1	26900	18000
T44SW4	40	02-008	10/26/87	12:51	SW	G	NK	0.0	LAKE	<3.07	3600	<5.16	<5.96	<7.94	<10.6	78.9	18800	13500
T44SW3	6	03-002	06/30/87	10:05	SW	G	NK	0.0	DTCH	<3.07	3040	<5.16	<5.96	<7.94	<10.6	46.6	29700	10300
T4-SW	35	05-001	12/20/85	09:35	SW	G	NK	0.0	STRE									
T4SW2	10	05-001	07/01/86	12:15	SW	G	NK	0.0	STRM									
T44SW3	35	05-001	05/15/87	13:25	SW	G	NK	0.0	CREK	3.79	6330	<5.16	<5.96	<7.94	<10.6	<20.1	96100	22000
T44SW4	42	05-001	10/29/87	08:51	SW	G	NK	0.0	DTCH	<3.07	4520	<5.16	<5.96	<7.94	<10.6	<20.1	98800	22300
QPS3	8	06CD3	09/04/86	11:50	SW	G	NK	0.0	DTCH	<4.00	3730	<5.20	<6.00	<7.90	<10.5	<20.1	46800	11600
T44QS3	6	06CD3	06/15/87	13:17	SW	G	NK	0.0	DTCH	<3.07	2160	<5.16	<5.96	<7.94	<10.6	26.1	32300	7580
T44QS4	6	06CD3	10/12/87	13:28	SW	G	NK	0.0	DTCH	<3.07	4660	<5.16	11.5	<7.94	<10.6	<20.1	95500	21200

DISH

PARAMETER:					HA	MERCURY	DDCP	DCPS	HINK	DCCPD	P,P'-DDT	P,P'-DDE	ALDRIN	DIELDRIN	ENDRIN	ISODRIN	CHLORDANE	DIHP
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	0	01-001	01/02/86	08:50			<0.130	<9.31	<13.0	<0.070	<0.070	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	7	01-001	07/02/86	11:30			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	1	01-001	09/03/86	09:51			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	1	01-001	05/19/87	14:00	NA	<0.350	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	1	01-001	10/30/87	08:19	86300	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	1	01-002	01/02/86	11:12			<0.130	20.7	<13.0	<0.070	<0.070	<0.050	<0.070	0.106	<0.050	<0.060		<10.0
T4SW2	1	01-002	07/02/86	08:50			0.336	<9.31	<12.9	0.300	<0.350	<0.265	0.530	0.899	<0.260	<0.300		<10.5
T4SW3	2	01-002	09/03/86	08:47			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.700	0.913	<0.052	<0.060		<10.5
T44SW3	2	01-002	05/20/87	10:21	107000	<0.359	1.06	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW3	34	01-003	08/12/86	14:32			0.285	<9.31	<12.9	<0.070	<0.070	<0.053	0.090	2.23	0.081	<0.060		<10.5
T44SW4	34	01-004	10/26/87	13:50	46600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPQ1N	72	01CDB	12/14/85	09:15			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		13.0
OPSW	1	01CDB	04/07/86	09:30	82200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	1	01CDB	06/12/86	13:30	121000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	1	01CDB	09/04/86	09:20	81800	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS1	1	01CDB	12/16/86	12:50	140000	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS2	1	01CDB	03/26/87	13:30	159000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS3	1	01CDB	06/16/87	11:04	67100	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS4	1	01CDB	10/16/87	10:41	143000	<0.240		<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW	2	01DCC	04/07/86	09:30	66200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	2	01DCC	06/12/86	13:00	71400	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	2	01DCC	09/04/86	08:50	39100	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS1	2	01DCC	12/16/86	12:20	94700	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS2	2	01DCC	03/26/87	12:30	67800	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS3	2	01DCC	06/16/87	10:30	28900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS4	2	01DCC	10/16/87	09:45	77100	<0.240		<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	2	02-001	12/12/85	13:30			<0.130	<9.31	<13.0	NA	<0.070	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	3	02-001	07/02/86	12:00			NA	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	3	02-001	09/03/86	13:11			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	3	02-001	05/20/87	11:17	67200	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	3	02-001	10/29/87	11:52	51700	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	5	02-003	06/30/87	13:04	4760	<0.480	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	41	02-004	01/02/86	10:20			<0.130	<9.31	<13.0	<0.070	<0.070	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	4	02-004	07/02/86	08:50			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	38	02-004	09/03/86	13:31			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	36	02-004	05/27/87	07:42	103000	<0.359	<0.130	<9.31	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW3	37	02-005	09/03/86	12:47			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.710	0.903	<0.052	<0.060		<10.5
T44SW3	39	02-005	05/27/87	14:11	79900	<0.359	<0.130	<9.31	<12.9	<0.083	<0.059	<0.046	3.22	12.3	0.44	<0.056	<0.152	<10.5
T44SW4	37	02-005	10/29/87	13:15	81800	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.359	0.739	<0.052	<0.060		<10.5
T44SW3	4	02-006	06/30/87	13:57	12000	<0.480	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.166	1.13	0.113	<0.060		<10.5
T44SW4	39	02-007	10/26/87	13:21	81600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW4	40	02-008	10/26/87	12:51	94800	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	6	03-002	06/30/87	10:05	80100	<0.480	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	35	05-001	12/28/85	09:35			<0.130	<9.31	<13.0	NA	<0.050	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	10	05-001	07/01/86	12:15			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	35	05-001	05/15/87	13:25	76700	<0.359	<0.130	<9.31	<12.9	<0.170	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	42	05-001	10/25/87	08:51	68000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	6	06CDB	09/04/86	11:50	33300	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		
T44OS3	6	06CDB	06/16/87	13:17	23900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		
T44OS4	6	06CDB	10/12/87	13:20	112000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		16.9

USH

PARAMETER:					BHCP	BTZ	BHDS	CPHS02	CPHS0	CPHS	1,4-DITH	1,4-OXAT	TOLUEH	BENZENE	ETHYLBENZ	M-XYL	OKP-XYL	CL
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SH	8	01-001	01/02/86	08:58	<15.2			<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.88	<1.35	<2.47	61200
T4SH2	7	01-001	07/02/86	11:38	<15.2		<1.83	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	33888
T4SH3	1	01-001	09/03/86	09:51	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	43888
T44SH3	1	01-001	05/19/87	14:88	<15.2	<1.14	<1.16	<2.24	<1.98	<1.88	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	46488
T44SH4	1	01-001	10/28/87	08:19	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	58288
T6-SH	1	01-002	01/02/86	11:12	<15.2			128	56.8	<1.38	<1.18	<2.88	<1.21	<1.34	<1.88	<1.35	<2.47	146888
T4SH2	1	01-002	07/02/86	08:58	<15.2		<1.88	85.8	7.22	2.19	<1.18	<2.88	8.37	1.98	<1.28	<1.35	<2.47	174888
T4SH3	2	01-002	09/03/86	08:47	<15.2		<1.88	238	<4.28	<1.38	<1.18	<2.88	1.51	<1.34	<1.28	<1.35	<2.47	523888
T44SH3	2	01-002	05/28/87	18:21	<15.2	18.4	<1.16	251	284	52.9	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	289888
T4SH3	34	01-003	08/12/86	14:32	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	
T44SH4	34	01-004	10/26/87	13:58	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	38388
OPS1H	72	01CD6	12/14/85	09:15	<15.2			<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34		<1.35	<2.47	146888
OPS6	1	01CD8	06/07/86	09:38	<15.2			<4.78	<4.28	<11.7	<11.3	<28.8	<1.21	<1.34	<1.28	<1.35	<2.47	55488
OPSH2	1	01CD8	06/12/86	13:38	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	62988
OPS3	1	01CD6	08/04/86	09:28	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	72888
T44OS1	1	01CD8	12/16/86	12:56	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	185888
T44OS2	1	01CD8	03/26/87	13:38	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	14.6	<1.28	<1.35	<2.47	185888
T44OS3	1	01CD8	06/16/87	11:84	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	53888
T44OS4	1	01CD8	10/16/87	10:41	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	91888
OPSH	2	01DCC	01/07/86	08:38	<15.2			<4.78	<4.28	<11.7	<11.3	<28.8	<1.21	<1.34	<1.28	<1.35	<2.47	55288
OPSH2	2	01DCC	06/12/86	13:88	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	39788
OPS3	2	01DCC	08/04/86	08:58	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	58988
T44OS1	2	01DCC	12/16/86	12:28	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	93388
T44OS2	2	01DCC	03/26/87	12:38	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	61688
T44OS3	2	01DCC	06/16/87	10:38	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	22688
T44OS4	2	01DCC	10/16/87	09:45	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	56288
T4-SH	2	02-001	12/12/85	13:38	<15.2			<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.88	<1.35	<2.47	56988
T4SH2	3	02-001	07/02/86	12:86	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	57988
T4SH3	3	02-001	09/03/86	13:11	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	57988
T44SH3	3	02-001	05/28/87	11:17	<15.2	<1.14	<1.16	<2.24	<1.98	<1.88	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	61788
T44SH4	3	02-001	10/29/87	11:52	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	66598
T44SH3	5	02-003	06/30/87	13:88	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	<4888
T4-SH	41	02-004	01/02/86	10:28	<15.2			<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.88	<1.35	<2.47	185888
T4SH2	4	02-004	07/02/86	08:58	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	17888
T4SH3	38	02-004	09/03/86	15:31	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	124888
T44SH3	36	02-004	05/27/87	07:42	<15.2	<1.14	<1.16	<2.24	<1.98	<1.88	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	242888
T4SH3	37	02-005	09/03/86	12:47	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	84488
T44SH3	38	02-005	05/27/87	14:11	<15.2	<1.14	<1.16	<2.24	<1.98	<1.88	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	68488
T44SH4	37	02-005	10/29/87	13:15	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	69788
T44SH3	4	02-006	06/30/87	13:57	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	12788
T44SH4	39	02-007	10/26/87	13:21	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	74788
T44SH4	48	02-008	10/26/87	12:51	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	184888
T44SH3	6	03-002	06/30/87	10:05	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	74588
T4-SH	35	05-001	12/28/85	09:35	<15.2			<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.88	<1.35	<2.47	57688
T4SH2	18	05-001	07/01/86	12:15	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	51588
T44SH3	35	05-001	05/15/87	13:25	<15.2	<1.14	<1.16	<2.24	<1.98	<1.88	<1.59	<1.35	<1.21	<1.34	<1.28	<1.35	<2.47	53388
T44SH4	42	05-001	10/29/87	08:51	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	46588
OPS3	6	06CD8	08/04/86	11:58	<15.2		<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	58688
T44OS3	6	06CD8	06/16/87	13:17	<15.2	<2.88	<1.88	<4.78	<4.28	<1.38	<1.18	<2.88	<1.21	<1.34	<1.28	<1.35	<2.47	26388

MSW

PARAMETER:					FE	SO4	CCL4	CHCL3	CL6BE6	METHYLCL	TCLEE	11DCLE	11DCE	111TCE	112TCE	12DCLE	T12DCE	TRCLE
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.SEP.	#	SAMPLE ID	DATE	TIME														
T4-SB	6	01-001	01/02/86	08:50	<1200		<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB2	7	01-001	07/02/86	11:30	<1200	35400	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB3	1	01-001	09/03/86	09:51	<1200	50800	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB3	1	01-001	05/19/87	14:00	<1220	121000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB4	1	01-001	10/30/87	08:13	1150	113000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4-SB	1	01-002	01/02/86	11:12	<1200		<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB2	1	01-002	07/02/86	08:50	1540	136000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB3	2	01-002	09/03/86	08:47	2960	256000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB3	2	01-002	05/20/87	16:21	1400	595000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB3	34	01-003	08/12/86	14:32			<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB4	34	01-004	10/26/87	13:50	<1220	66400	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
OPE1B	72	01CBB	12/14/85	09:15	1330		<2.00	<1.00	<0.500		<1.00						<1.20	<5.50
OPSB	1	01CBB	04/07/86	09:30	<1200	174000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
OPSB2	1	01CBB	06/12/86	13:30	<1200	240000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
OPS3	1	01CBB	09/04/86	09:20	<1200	206000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44OS1	1	01CBB	12/16/86	12:50	<1200	270000	<2.00	<1.00	<0.500	<5.00	1.34	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44OS2	1	01CBB	03/26/87	13:30	<1200	315000	<2.00	<1.00	<0.500	<5.00	2.77	<1.00	<1.00	<1.00	<1.00	<0.610	1.02	<1.00
T44OS3	1	01CBB	06/16/87	11:04	<1220	136000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44OS4	1	01CBB	10/16/87	10:41	<1220	226000	<2.00	1.20	<0.500	<5.00	3.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
OPSB	2	01DCC	04/07/86	08:30	<1200	101000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
OPSB2	2	01DCC	06/12/86	13:00	<1200	104000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
OPS3	2	01DCC	09/04/86	08:50	<1200	88100	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44OS1	2	01DCC	12/16/86	12:20	<1200	101000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44OS2	2	01DCC	03/26/87	12:30	<1200	131000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44OS3	2	01DCC	06/16/87	10:30	<1220	99300	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44OS4	2	01DCC	10/16/87	09:45	<1220	156000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4-SB	2	02-001	12/12/85	13:30	<1200		<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB2	3	02-001	07/02/86	12:00	<1200	93000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB3	3	02-001	05/03/86	13:11	<1200	88100	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB3	3	02-001	05/20/87	11:17	<1220	87600	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB4	3	02-001	10/29/87	11:52	<1220	74000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB3	5	02-003	06/30/87	13:00	<1220	19300	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4-SB	41	02-004	01/02/86	10:20	<1200		<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB2	4	02-004	07/02/86	08:50	<1200	15600	<2.00	18.1	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB3	38	02-004	09/03/86	13:31	<1200	<10000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB3	36	02-004	05/27/87	07:42	<1220	30500	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB3	37	02-005	09/03/86	12:47	<1200	117000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB3	38	02-005	05/27/87	14:11	<1220	103000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB4	37	02-005	10/29/87	13:15	<1220	104000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB3	4	02-006	06/30/87	13:57	<1220	29100	<2.00	5.72	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB4	35	02-007	10/28/87	13:21	<1220	139000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB4	40	02-008	10/28/87	12:51	<1220	58400	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB3	6	03-002	06/30/87	10:05	<1220	104000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4-SB	35	05-001	12/28/85	09:35	<1200		<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T4SB2	18	05-001	07/01/86	12:15	<1200	129000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB3	35	05-001	05/15/87	13:25	<1220	125000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
T44SB4	42	05-001	10/29/87	08:51	<1220	129000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00
OPS3	6	05CBB	09/04/86	11:50	<1200	83600	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	
T44OS3	6	05CBB	06/16/87	13:17	<1220	43700	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	
T44OS4	6	05CBB	10/12/87	13:20	<1220	191000	<2.00	<1.00	<0.500	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<0.610	<1.20	<1.00

BCSD

PARAMETER:					BOD	SP COND	FIELD PH
UNITS:					MG/L AS O	UMHOS/CM	STD UNITS
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T4-SW	8	01-001	01/02/86	08:50			
T4SW2	7	01-001	07/02/86	11:30		613	8.37
T4SW3	1	01-001	09/03/86	09:51			8.30
T44SW3	1	01-001	05/19/87	14:00	BA		
T44SW4	1	01-001	10/30/87	08:19	4140		
T4-SW	1	01-002	01/02/86	11:12			
T4SW2	1	01-002	07/02/86	08:50		1150	8.45
T4SW3	2	01-002	09/03/86	08:47			8.85
T44SW3	2	01-002	05/28/87	10:21	215		
T4SW3	34	01-003	08/12/86	14:32		675	9.60
T44SW4	34	01-004	10/25/87	13:50	92.1		
OPSW	72	01CDB	12/14/85	09:15		1516	8.37
OPSW	1	01CDB	04/07/86	09:30	1136	717	8.15
OPSW2	1	01CDB	06/12/86	13:30	1560	983	7.87
OPS3	1	01CDB	09/04/86	09:20	2150	933	7.58
T44OS1	1	01CDB	12/16/86	12:50	2130	1240	7.55
T44OS2	1	01CDB	03/26/87	13:30	2830	1420	7.60
T44OS3	1	01CDB	06/16/87	11:04	815		
T44OS4	1	01CDB	10/16/87	10:41	1520		
OPSW	2	01DCC	04/07/86	08:30	984	606	7.95
OPSW2	2	01DCC	06/12/86	13:00	1260	620	7.73
OPS3	2	01DCC	09/04/86	08:50	1670	595	7.63
T44OS1	2	01DCC	12/16/86	12:20	2270	970	7.30
T44OS2	2	01DCC	03/26/87	12:30	1740	844	8.26
T44OS3	2	01DCC	06/16/87	10:30	513		
T44OS4	2	01DCC	10/16/87	09:45	2440		
T4-SW	2	02-001	12/12/85	13:30			
T4SW2	3	02-001	07/02/86	12:00		653	8.56
T4SW3	3	02-001	09/02/86	13:11			8.00
T44SW3	3	02-001	05/28/87	11:17	53.6		
T44SW4	3	02-001	10/29/87	11:52	65.0		
T44SW3	5	02-003	06/30/87	13:00	58.7		
T4-SW	41	02-004	01/02/86	15:28			
T4SW2	4	02-004	07/02/86	08:50		285	8.04
T4SW3	38	02-004	09/03/86	13:31		785	7.09
T44SW3	36	02-004	05/27/87	07:42	24.7		
T4SW3	37	02-005	09/03/86	12:47		642	9.57
T44SW3	38	02-005	05/27/87	14:11	196		
T44SW4	37	02-005	10/29/87	13:15	34.8		
T44SW3	4	02-006	06/30/87	13:57	160		
T44SW4	39	02-007	10/26/87	13:21	50.0		
T44SW4	40	02-008	10/26/87	12:51	181		
T44SW3	6	03-002	06/30/87	10:05	45.6		
T4-SW	35	05-001	12/20/85	09:35			
T4SW2	10	05-001	07/01/86	12:15		788	8.19
T44SW3	35	05-001	05/15/87	13:25	366		
T44SW4	42	05-001	10/29/87	08:51	559		
OPS3	6	06CDB	09/04/86	11:50	2420	548	7.97
T44OS3	6	06CDB	06/16/87	13:17	775		
T44OS4	6	06CDB	10/12/87	13:20	2060		

MSH

PARAMETER:					SAM TYPE	S TECH	INSTAL SAMPLE	DEPTH CM	SITE TYPE	ARSENIC	B	CADMIUM	CR	COPPER	LEAD	ZINC	CA	MG
UNITS:										UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	7	87-001	12/28/85	10:10	SW	G	NK	0.0	DTCH									
T4SW2	8	87-001	09/02/86	13:33	SW	G	NK	0.0	DTCH									
T44SW3	8	87-001	05/20/87	08:44	SW	G	NK	0.0	DTCH	<2.50	2250	<5.16	<5.96	<7.94	<18.6	191	14600	4620
T44SW4	8	87-001	10/22/87	12:49	SW	G	NK	0.0	DTCH	<3.87	3850	<5.16	13.4	<7.94	<18.6	<20.1	71100	20400
T4-SW	8	87-002	12/28/85	10:45	SW	G	NK	0.0	DTCH									
T4SW2	9	87-002	07/01/86	12:55	SW	G	NK	0.0	DTCH									
T4SW3	9	87-002	09/02/86	14:00	SW	G	NK	0.0	DTCH									
T44SW3	9	87-002	05/20/87	09:17	SW	G	NK	0.0	DTCH	<2.50	3500	<5.16	<5.96	<7.94	<18.6	<20.1	33500	11500
T44SW4	9	87-002	10/22/87	13:15	SW	G	NK	0.0	DTCH	<3.87	3600	<5.16	18.2	<7.94	41.3	<20.1	95400	47100
T4SW2	10	87-004	07/01/86	14:00	SW	G	NK	0.0	DTCH									
OPQ1W	44	87ABB	11/21/85	08:30	SW	G	NK	0.0	CHEK									
OPSW	5	87ABB	04/02/86	16:45	SW	G	NK	0.0	CHEK	<3.90	2820	18.5	16.0	22.0	<18.5	83.2	347000	110000
OPSW2	5	87ABB	06/12/86	15:30	SW	G	NK	0.0	CHEK	14.4	4300	<5.20	14.1	<7.90	<18.5	55.7	76200	17000
OPS3	5	87ABB	09/04/86	13:11	SW	G	NK	0.0	STRM	<4.00	2640	<5.20	<6.00	<7.90	<18.5	<20.1	51000	14100
T44QS1	5	87ABB	12/16/86	14:01	SW	G	NK	0.0	STRM	<3.90	3110	<5.16	12.3	<7.94	<18.6	36.4	79000	15400
T44QS2	5	87ABB	03/27/87	09:31	SW	G	NK	0.0	CHEK	<2.50	5000	<5.16	16.2	<7.94	<18.6	173	246000	81600
T44QS3	5	87ABB	06/16/87	09:00	SW	G	NK	0.0	CHEK	<3.87	2550	<5.16	<5.96	<7.94	<18.6	<20.1	63700	14400
OPQ1W	43	87BAA	11/21/85	11:00	SW	G	NK	0.0	DTCH									
OPSW	4	87BAA	04/02/86	16:30	SW	G	NK	0.0	DTCH	BA	4020	<5.20	<6.00	<7.90	<18.5	45.0	90300	18000
OPSW2	4	87BAA	06/12/86	15:10	SW	G	NK	0.0	DTCH	4.35	3640	<5.20	<6.00	<7.90	<18.5	33.4	76900	12200
OPS3	4	87BAA	09/04/86	13:41	SW	G	NK	0.0	DTCH	<4.00	3100	<5.20	<6.00	<7.90	<18.5	25.0	51100	11000
T44QS1	4	87BAA	12/16/86	14:11	SW	G	NK	0.0	DTCH	8.26	2960	<5.16	<11.9	<7.94	<18.6	<20.1	306000	92000
T44QS2	4	87BAA	03/27/87	10:00	SW	G	NK	0.0	DTCH	<2.50	5000	<5.16	<5.96	<7.94	<18.6	22.7	69200	13900
T44QS3	4	87BAA	06/16/87	14:21	SW	G	NK	0.0	DTCH	<3.87	1770	<5.16	<5.96	<7.94	<18.6	<20.1	27400	7190
T44QS4	4	87BAA	10/12/87	12:30	SW	G	NK	0.0	DTCH	<3.87	4500	<5.16	16.3	<7.94	<18.6	67.2	105000	22200
T4-SW	9	88-001	12/28/85	09:05	SW	G	NK	0.0	STRM									
T4SW2	11	88-002	07/01/86	12:35	SW	G	NK	0.0	DTCH									
T4SW3	11	88-002	09/03/86	14:04	SW	G	NK	0.0	DTCH									
T44SW3	11	88-002	06/18/87	10:50	SW	G	NK	0.0	DTCH	<3.87	5690	<5.16	<5.96	<7.94	<18.6	74.5	102000	7180
OPQ1W	58	88ABB	11/22/85	09:00	SW	G	NK	0.0	CHEK									
OPQ1W	65	88ABB	12/28/85	15:15	SW	G	NK	0.0	CHEK									
OPSW	11	88ABB	04/02/86	16:45	SW	G	NK	0.0	CHEK	6.55	4410	<5.20	<6.00	<7.90	<18.5	24.2	117000	26900
OPSW2	11	88ABB	06/12/86	09:00	SW	G	NK	0.0	CHEK	<3.90	4230	<5.20	<6.00	<7.90	<18.5	<20.1	115000	20600
OPS3	11	88ABB	09/04/86	11:00	SW	G	NK	0.0	STRM	<4.00	5640	<5.20	<6.00	<7.90	<18.5	<20.1	99000	20000
T44QS1	11	88ABB	12/16/86	10:50	SW	G	NK	0.0	STRM	<3.90	3710	<5.16	<11.9	<7.94	<18.6	25.2	86000	18500
T44QS2	11	88ABB	03/26/87	11:00	SW	G	NK	0.0	CHEK	<2.59	5480	13.7	<5.96	23.1	<18.6	<20.1	82100	19000
T44QS3	11	88ABB	06/16/87	09:33	SW	G	NK	0.0	CHEK	<3.87	2485	<5.16	<5.96	<7.94	<18.6	<20.1	24400	21000
T44QS4	11	88ABB	10/16/87	12:37	SW	G	NK	0.0	CHEK	<3.87	5240	<5.16	12.5	<7.94	21.9	<20.1	95100	20400
T4-SW	11	11-001	12/28/85	13:45	SW	G	NK	0.0	DTCH									
T4SW2	12	11-001	07/01/86	15:00	SW	G	NK	0.0	DTCH									
T4SW3	12	11-001	09/03/86	10:41	SW	G	NK	0.0	DTCH									
T44SW3	12	11-001	05/19/87	08:11	SW	G	NK	0.0	DTCH	4.61	6120	<5.16	<5.96	<7.94	<18.6	22.1	22600	3470
T44SW4	12	11-001	10/29/87	09:47	SW	G	NK	0.0	DTCH	<3.87	3730	<5.16	<5.96	<7.94	<18.6	<20.1	34200	8350
T4SW2	13	11-002	07/01/86	14:44	SW	G	NK	0.0	DTCH									
T4SW3	13	11-002	09/03/86	11:11	SW	G	NK	0.0	DTCH									
T44SW3	13	11-002	05/19/87	08:45	SW	G	NK	0.0	DTCH	6.28	5550	<5.16	<5.96	10.6	<18.6	<20.1	28900	5410
T44SW4	13	11-002	10/29/87	11:11	SW	G	NK	0.0	DTCH	<3.87	7390	<5.16	40.7	12.7	75.9	154	39800	9060
T44SW3	14	11-003	05/19/87	09:11	SW	G	NK	0.0	POND	<2.50	4150	<5.16	<5.96	<7.94	<18.6	<20.1	13600	3000
T4SW2	14	11-004	07/01/86	14:30	SW	G	NK	0.0	DTCH									
T4SW3	36	11-004	09/03/86	11:27	SW	G	NK	0.0	DTCH									

MISH

PARAMETER:					HA	ARSENIC	BHC	BCP	BHC	BCCP	P,P'-DDT	P,P'-DDE	ALDRIN	DIELDRIN	ENDRIN	ISODRIN	CHLORDANE	DIBP
EDITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	7	87-001	12/28/85	10:10			<0.130	<9.31	<13.0	HA	<0.050	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW3	8	87-001	09/02/86	13:33			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	8	87-001	05/20/87	08:44	17000	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	8	87-001	10/22/87	12:40	80200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	9	87-002	12/28/85	10:45			<0.130	<9.31	<13.0	HA	<0.050	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	9	87-002	07/01/86	12:55			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	9	87-002	09/02/86	14:00			<0.136	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	9	87-002	05/20/87	09:17	41500	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	9	87-002	10/22/87	13:15	263000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW2	10	87-004	07/01/86	14:08			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPQ1W	44	87AQW	11/21/85	08:36			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		<10.0
OPSW	5	87AQW	04/02/86	16:45	813000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	5	87AQW	06/12/86	15:30	52800	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	5	87AQW	09/04/86	13:11	47900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS1	5	87AQW	12/15/86	14:01	99100	<0.509	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS2	5	87AQW	03/27/87	09:31	544006	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS3	5	87AQW	06/16/87	08:00	71000	1.17	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPQ1W	45	87BAA	11/21/85	11:00			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		22.0
OPSW	4	87BAA	04/02/86	16:30	93500	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	4	87BAA	06/12/86	15:10	52600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	4	87BAA	09/04/86	13:41	36000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS1	4	87BAA	12/16/86	14:11	615000	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS2	4	87BAA	03/27/87	10:00	66200	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS3	4	87BAA	06/16/87	14:21	22500	<0.246	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS4	4	87BAA	10/12/87	12:30	96500	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	9	88-001	12/28/85	09:05			<0.130	<9.31	<13.0	HA	<0.050	<0.050	0.200	<0.060	<0.050	<0.060		<10.0
T4SW2	11	88-002	07/01/86	12:35			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	11	88-002	09/03/86	14:04			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	11	88-002	06/30/87	10:50	21100	<0.480	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPQ1W	58	88AQW	11/22/85	09:00			<0.130	<9.31					<0.070	0.060	<0.050	<0.060		<10.0
OPQ1W	66	88AQW	12/28/85	15:15			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		11.0
OPSW	11	88AQW	04/02/86	10:45	92600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	11	88AQW	06/12/86	09:00	61200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	11	88AQW	09/04/86	11:00	60100	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS1	11	88AQW	12/16/86	10:50	60500	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS2	11	88AQW	03/26/87	11:00	59000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS3	11	88AQW	06/16/87	09:35	66700	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44QS4	11	88AQW	10/16/87	12:37	62400	<0.240		<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	11	11-001	12/28/85	13:45			<0.130	<9.31	<13.0	HA	<0.050	<0.050	0.200	<0.060	<0.050	<0.060		<10.0
T4SW2	12	11-001	07/01/86	15:00			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	12	11-001	09/03/86	10:41			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	12	11-001	05/19/87	08:11	12700	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	12	11-001	10/29/87	09:47	28600	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW2	13	11-002	07/01/86	14:44			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	13	11-002	09/03/86	11:11			<0.130	<9.31	<12.9	NA	NA	NA	NA	NA	NA	NA		NA
T44SW3	13	11-002	05/19/87	08:45	19100	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	13	11-002	10/29/87	11:11	33200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	14	11-003	05/19/87	09:11	14900	<0.359	<0.130	<21.6	<12.9	<0.083	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW2	14	11-004	07/01/86	14:30			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW2	36	11-004	09/03/86	11:27			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5

MSW

PARAMETER:					MeCl	DTZ	DCBS	CPMS02	CPMS0	CPMS	1,4-DITZ	1,4-OXAT	TOLUE	BENZENE	ETHYLBENZ	B-XYL	OAP-XYL	CL
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	7	87-001	12/28/85	10:10	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	131000
T4SW3	8	87-001	03/02/86	13:33	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	45100
T44SW3	8	87-001	05/20/87	08:44	<15.2	1.76	<1.16	<2.24	<1.90	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	8260
T44SW4	8	87-001	10/22/87	12:40	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	50500
T4-SW	8	87-002	12/28/85	10:45	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	70300
T4SW2	9	87-002	07/01/86	12:55	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	36800
T4SW3	9	87-002	09/02/86	14:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	47900
T44SW3	9	87-002	05/20/87	09:17	<15.2	<1.14	<1.16	<2.24	<1.90	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	23000
T44SW4	9	87-002	10/22/87	13:15	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.33	<2.47	41500
T4SW2	10	87-004	07/01/86	14:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	6680
OPG1R	44	87ABB	11/21/85	08:30	<15.2			NA	NA	NA	NA	NA	<1.21	<1.34		<1.35	<2.47	334000
OPSR	5	87ABB	04/02/86	16:45	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.20	<1.35	<2.47	322000
OPSR2	5	87ABB	06/12/86	15:30	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	24900
OPS3	5	87ABB	09/04/86	13:11	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	56700
T44OS1	5	87ABB	12/16/86	14:01	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	90400
T44OS2	5	87ABB	03/27/87	09:31	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	231000
T44OS3	5	87ABB	06/16/87	08:09	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	41500
OPG1R	43	87BAA	11/21/85	11:00	<15.2			NA	NA	NA	NA	NA	<1.21	<1.34		<1.35	<2.47	150000
OPSR	4	87BAA	04/02/86	16:30	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.20	<1.35	<2.47	76200
OPSR2	4	87BAA	06/12/86	15:10	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	37900
OPS3	4	87BAA	09/04/86	13:01	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	50900
T44OS1	4	87BAA	12/16/86	14:11	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	251000
T44OS2	4	87BAA	03/27/87	10:00	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	57100
T44OS3	4	87BAA	06/16/87	14:21	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	23900
T44OS4	4	87BAA	10/12/87	12:30	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	66400
T4-SW	9	88-001	12/28/85	09:05	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	52500
T4SW2	11	88-002	07/01/86	12:35	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	23000
T4SW3	11	88-002	09/03/86	14:04	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	45200
T44SW3	11	88-002	06/30/87	10:50	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	18700
OPG1R	58	88ASB	11/22/85	09:00	<15.2			NA	NA	NA	NA	NA	NA	NA		NA	NA	53700
OPG1R	66	88ASD	12/29/85	15:15	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	56900
OPSR	11	88ASD	04/02/86	10:45	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.20	<1.35	<2.47	61300
OPSR2	11	88ASD	06/12/86	09:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	44800
OPS3	11	88ASD	09/04/86	11:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	58200
T44OS1	11	88ASD	12/16/86	10:50	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	46700
T44OS2	11	88ASD	03/26/87	11:00	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	69600
T44OS3	11	88ASD	06/16/87	09:33	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	50600
T44OS4	11	88ASD	10/16/87	12:37	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	66300
T4-SW	11	11-001	12/28/85	13:45	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	121000
T4SW2	12	11-001	07/01/86	15:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	6140
T4SW3	12	11-001	09/03/86	10:41	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	<4800
T44SW3	12	11-001	05/19/87	08:11	<15.2	12.0	<1.16	<2.24	<1.90	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	9620
T44SW4	12	11-001	10/29/87	09:07	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	35400
T4SW2	13	11-002	07/01/86	14:44	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	<4800
T4SW3	13	11-002	09/03/86	11:11	NA		EX09/86	EX09/86	EX09/86	EX09/86	EX09/86	EX09/86	<1.21	<1.34	<1.20	<1.35	<2.47	<4800
T44SW3	13	11-002	05/19/87	08:45	<15.2	<1.14	<1.16	<2.24	<1.90	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	25700
T44SW4	13	11-002	10/29/87	11:11	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	68300
T44SW3	14	11-003	05/19/87	09:11	<15.2	2.06	<1.16	<2.24	<1.90	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	[redacted]
T4SW2	14	11-004	07/01/86	14:30	<15.2		<1.00	<4.[redacted]	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	[redacted]
T4SW3	36	11-004	09/03/86	11:27	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	[redacted]

BSR

PARAMETER:					FL	SO4	CCL4	CHCL3	CLCOBS	METHYLCL	TCLEE	11DCLE	11DCE	111TCE	112TCE	120CLE	TT2DCE	TDCLE
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SH	7	87-001	12/28/85	13:18	1500		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH2	8	87-001	09/02/86	13:33	1440	83600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SH3	8	87-001	05/28/87	08:44	<1220	16700	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SH4	8	87-001	10/22/87	12:40	1520	101000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SH	8	87-002	12/28/85	10:45	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH2	9	87-002	07/01/86	12:55	1210	78500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH3	9	87-002	09/02/86	14:00	<1200	96400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SH3	9	87-002	05/28/87	09:17	<1220	48600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SH4	9	87-002	10/22/87	13:15	1220	87100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH2	10	87-004	07/01/86	14:00	<1200	20000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OFQ1R	44	87AAB	11/21/85	08:28	2710		<2.40	<1.40	<0.500		<1.30						<1.20	<1.10
OPSH	5	87AAB	04/02/86	16:45	2700	2089000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSH2	5	87AAB	06/12/86	15:30	<1200	162000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	5	87AAB	09/04/86	13:11	<1200	129000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS1	5	87AAB	12/16/86	14:01	<1200	173000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS2	5	87AAB	03/27/87	09:31	1550	1530000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS3	5	87AAB	06/16/87	08:06	<1220	197000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OFQ1R	43	87BAA	11/21/85	11:00	1550		<2.40	<1.40	<0.500		<1.30						<1.20	<1.10
OPSH	4	87BAA	04/02/86	16:36	<1200	151000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSH2	4	87BAA	06/12/86	15:10	<1200	103000	<2.40	7.96	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	4	87BAA	09/04/86	13:01	<1200	83600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS1	4	87BAA	12/16/86	14:11	1730	1730000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS2	4	87BAA	03/27/87	10:08	<1200	133000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	1.17	<1.20	<1.10
T44OS3	4	87BAA	06/16/87	14:21	<1220	43000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS4	4	87BAA	10/12/87	12:30	<1220	176000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SH	3	88-001	12/28/85	09:05	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH2	11	88-002	07/01/86	12:35	<1200	58900	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH3	11	88-002	09/03/86	14:04	<1200	57300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SH3	11	88-002	05/30/87	10:58	<1220	39500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OFQ1R	58	88AAB	11/22/85	09:00	<1200		NA	NA	NA		NA						NA	NA
OFQ1R	66	88AAB	12/28/85	15:15	<1200		<2.40	<1.40	<0.500		<1.30						<1.20	<1.10
OPSH	11	88AB3	04/02/86	10:45	<1200	141000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSH2	11	88AB3	06/12/86	09:00	<1200	123000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	11	88AB8	09/04/86	11:06	<1200	127000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS1	11	88AB9	12/16/86	10:50	<1200	133000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS2	11	88AB8	03/27/87	11:00	<1200	11000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS3	11	88AB8	06/16/87	09:33	<1220	122000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.20	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS4	11	88AB9	10/16/87	12:37	<1220	124000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SH	11	11-001	12/28/85	13:45	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH2	12	11-001	07/01/86	15:00	<1200	22000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	2.93	<1.00	<0.610	<1.20	<1.10
T4SH3	12	11-001	09/03/86	10:41	<1200	17300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SH3	12	11-001	05/19/87	08:11	<1220	27100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	1.92	<1.00	<0.610	<1.20	<1.10
T44SH4	12	11-001	10/29/87	09:47	<1220	46400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH2	13	11-002	07/01/86	14:44	<1200	17100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH3	13	11-002	09/03/86	11:11	<1200	16600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SH3	13	11-002	05/19/87	08:45	<1220	37000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SH4	13	11-002	10/29/87	11:11	1240	53100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SH3	14	11-003	05/19/87	09:11	<1220	17500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH2	14	11-004	07/01/86	14:30	<1200	12100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SH3	36	11-004	09/03/86	11:27	<1200	17500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10

NESH

PARAMETER:					003	SP COND	FIELD PH
UNITS:					UG/L AS A	UMHOS/CM	STD UNITS
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T4-SW	7	07-001	12/28/85	10:10			
T4SW3	8	07-001	09/02/86	13:33		796	8.10
T44SW3	8	07-001	05/28/87	08:44	527		
T44SW4	8	07-001	10/22/87	12:40	3230		
T4-SW	8	07-002	12/28/85	10:45			
T4SW2	9	07-002	07/01/86	12:55		707	8.23
T4SW3	9	07-002	09/02/86	14:00		827	8.40
T44SW3	9	07-002	05/28/87	09:17	1550		
T44SW4	9	07-002	10/22/87	13:15	4720		
T4SW2	10	07-004	07/01/86	14:06		178	7.96
OFQ1W	44	07ABE	11/21/85	08:30			
OPSW	5	07ABB	04/02/86	16:45	331	4340	8.42
OPSW2	5	07ABB	06/12/86	15:30	406	523	8.14
OPS3	5	07ABB	09/04/86	13:11	19.9	614	8.51
T44OS1	5	07ABB	12/16/86	14:01	2640	2720	8.01
T44OS2	5	07ABB	03/27/87	09:31	556	931	8.54
T44OS3	5	07ABB	06/16/87	08:50	250		
OFQ1W	43	07BAA	11/21/85	11:00			
OPSW	4	07BAA	04/02/86	16:30	2810	947	8.24
OPSW2	4	07BAA	06/12/86	15:10	1560	594	7.59
OPS3	4	07BAA	09/04/86	13:41	1420	549	7.94
T44OS1	4	07BAA	12/16/86	14:11	2820	885	7.88
T44OS2	4	07BAA	03/27/87	10:00	1810	759	8.34
T44OS3	4	07BAA	06/16/87	14:21	781		
T44OS4	4	07BAA	10/12/87	12:38	3690		
T4-SW	9	08-001	12/28/85	09:05			
T4SW2	11	08-002	07/01/86	12:35		355	9.21
T4SW3	11	08-002	09/03/86	14:04		4440	8.14
T44SW3	11	08-002	06/30/87	10:58	761		
OFQ1W	58	08ABB	11/22/85	09:00			
OPSW	66	08ABB	12/28/85	15:15		636	8.63
OPSW	11	08ABB	04/02/86	10:45	192	916	8.40
OPSW2	11	08ABB	06/12/86	09:00	280	950	7.03
OPS3	11	08ABB	09/04/86	11:00	93.4	899	8.33
T44OS1	11	08ABB	12/16/86	10:50	504	810	8.47
T44OS2	11	08ABB	03/26/87	11:00	247	755	9.02
T44OS3	11	08ABB	06/16/87	09:33	556		
T44OS4	11	08ABB	10/16/87	12:37	351		
T4-SW	11	11-001	12/28/85	13:05			
T4SW2	12	11-001	07/01/86	15:00		158	7.74
T4SW3	12	11-001	09/03/86	10:41		151	7.60
T44SW3	12	11-001	05/19/87	08:11	319		
T44SW4	12	11-001	10/29/87	09:47	27.2		
T4SW2	13	11-002	07/01/86	14:44		192	10.3
T4SW3	13	11-002	09/03/86	11:11		127	10.1
T44SW3	13	11-002	05/19/87	08:45	31.5		
T44SW4	13	11-002	10/29/87	11:11	<10.0		
T44SW3	14	11-003	05/19/87	09:11	60.9		
T4SW2	14	11-004	07/01/86	14:30		178	10.4
T4SW3	35	11-004	09/03/86	11:27		141	9.39

BLSH

PARAMETER:					SAM TYPE	S TECH	INSTAL SAMPLE	DEPTH CM	SITE TYPE	ARSENIC	B	CADMIUM	CR	COPPER	LEAD	ZINC	CA	MG
UNITS:										UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T44SW4	43	11-004	10/29/87	10:31	SW	G	RE	0.0	DTCH	<3.87	3480	<5.16	<5.96	<7.94	<18.6	<20.1	8120	1340
T4-SW	14	12-001	12/20/85	11:10	SW	G	RE	0.0	DTCH									
T4SW2	15	12-001	07/01/86	13:06	SW	G	RE	0.0	DTCH									
T4SW3	15	12-001	09/02/86	14:20	SW	G	RE	0.0	DTCH									
T44SW3	15	12-001	05/19/87	10:04	SW	G	RE	0.0	DTCH	2.77	4990	<5.16	<5.96	<7.94	<18.6	<20.1	22600	3629
T4SW2	16	12-002	07/01/86	13:22	SW	G	RE	0.0	DTCH									
T4SW3	16	12-002	09/02/86	14:50	SW	G	RE	0.0	DTCH									
T44SW4	16	12-002	10/22/87	13:40	SW	G	RE	0.0	DTCH	<3.87	5090	<5.16	<5.96	<7.94	<18.6	127	13400	1900
T4-SW	17	12-004	12/20/85	11:55	SW	G	RE	0.0	DTCH									
T4SW3	18	12-004	09/03/86	10:17	SW	G	RE	0.0	DTCH									
T44SW3	18	12-004	05/19/87	10:41	SW	G	RE	0.0	DTCH	3.29	7510	<5.16	<5.96	13.1	<18.6	28.8	44500	9340
T4SW2	19	12-005	07/02/86	11:05	SW	G	RE	0.0	DTCH									
T44SW3	19	12-005	05/19/87	13:17	SW	G	RE	0.0	DTCH	<2.58	8430	<5.16	<5.96	<7.94	<18.6	<20.1	74500	23000
T44SW4	19	12-005	10/30/87	07:51	SW	G	RE	0.0	DTCH	<3.87	3710	<5.16	<5.96	<7.94	<18.6	<20.1	81900	24800
OFQ1W	42	12AAB	11/15/85	14:15	SW	G	RE	0.0	RVER									
OPSW2	3	12AAB	06/16/86	12:45	SW	G	RE	0.0	RVER	<3.98	11300	<51.6	<59.6	<79.4	<186	<201	60200	10200
OPS3	3	12AAB	09/05/86	12:51	SW	G	RE	0.0	RVER	4.72	7930	<5.28	<6.00	<7.90	<18.5	<20.1	101000	17100
T44OS1	3	12AAB	12/17/86	11:15	SW	G	RE	0.0	RVER	<3.96	7670	<5.16	<11.9	<7.94	<18.6	47.0	64500	13300
T44OS2	3	12AAB	03/27/87	10:31	SW	G	RE	0.0	RVER	<2.50	10600	<5.16	6.21	10.7	<18.6	79.6	76200	15300
T44OS3	3	12AAB	06/17/87	11:34	SW	G	RE	0.0	RVER	<3.87	3930	<5.16	<5.96	<7.94	<18.6	56.2	40200	8160
T44OS4	3	12AAB	09/24/87	11:23	SW	G	RE	0.0	RVER	<3.87	8820	<5.16	14.4	<7.94	<18.6	26.0	86500	17400
OPSW	3	12AEB	04/07/86	12:45	SW	G	RE	0.0	RVER	<3.98	4536	20.6	31.3	32.1	20.6	81.1	70400	12800
OFQ1W	49	13DCC	11/22/85	09:45	SW	G	RE	0.0	CREK									
OFQ1W	77	13DCC	12/20/85	11:00	SW	G	RE	0.0	CREK									
OPSW	18	13DCC	04/02/86	12:30	SW	G	RE	0.0	CREK	<3.98	4530	<5.20	<6.00	<7.90	<18.5	29.5	112500	44600
T44OS2	18	13DCC	03/26/87	14:14	SW	G	RE	0.0	CREK		5670	<5.16	<5.96	<7.94	<18.6	<20.1	18300	3300
T44OS3	18	13DCC	06/17/87	12:52	SW	G	RE	0.0	CREK	3.50	5500	<5.16	<5.96	<7.94	<18.6	41.4	113000	36100
OFQ1W	48	14BDB	12/14/85	10:00	SW	G	RE	0.0	CREK									
OPSW	9	14BDB	04/02/86	14:00	SW	G	RE	0.0	CREK	<3.50	4600	<5.20	<6.00	<7.90	<18.5	29.5	118000	49700
OPSW2	9	14BDB	05/16/86	14:40	SW	G	RE	0.0	CREK	9.04	3710	<5.20	<6.00	<7.90	<18.5	<20.1	135000	55600
T44OS1	9	14BDB	12/16/86	13:21	SW	G	RE	0.0	CREK	<3.98	2960	<5.16	<11.9	<7.94	<18.6	23.2	104000	47400
T44OS2	9	14BDB	03/26/87	15:26	SW	G	RE	0.0	CREK	2.70	7870	<5.16	<5.96	<7.94	<18.6	<20.1	180000	38800
T44OS3	9	14BDB	06/17/87	13:20	SW	G	RE	0.0	CREK	4.10	6090	<5.16	<5.96	<7.94	<18.6	<20.1	85300	38400
T44OS4	9	14BDB	10/12/87	16:49	SW	G	RE	0.0	CREK	<3.87	2610	<5.16	11.5	<7.94	<18.6	<20.1	99000	43900
OPSW	7	22CAA	04/15/86	10:45	SW	G	RE	853	LAKE	<3.90	9140	<5.20	<6.00	<7.90	<18.5	23.2	75900	15000
OPSW2	7	22CAA	06/16/86	16:00	SW	G	RE	0.0	LAKE	<3.90	5710	<5.20	<6.00	<7.90	<18.5	<20.1	87400	13900
OPS3	7	22CAA	09/05/86	11:00	SW	G	RE	0.0	LAKE	<3.90	4860	<5.20	<6.00	<7.90	31.2	<20.1	85500	13100
T44OS2	7	22CAA	04/08/87	11:11	SW	G	RE	0.0	LAKE	2.96	5450	<5.16	<5.96	12.1	-10.6	<20.1	64700	10000
T44OS3	7	22CAA	06/17/87	09:26	SW	G	RE	0.0	LAKE	<3.87	4320	<5.16	<5.96	<7.94	<18.6	<20.1	57100	11000
T44OS4	7	22CAA	10/23/87	09:41	SW	G	RE	0.0	LAKE	NA	NA	NA	NA	NA	NA	NA	NA	NA
T4-SW	13	24-001	12/12/85	11:44	SW	G	RE	0.0	STRM									
T4SW2	26	24-001	06/30/86	14:05	SW	G	RE	0.0	STRM									
T4SW3	26	24-001	05/02/96	10:40	SW	G	RE	0.0	STRM									
T44SW3	28	24-001	05/15/87	09:30	SW	G	RE	0.0	STRM	28.7	5130	<5.16	<5.96	<7.94	<18.6	149	33700	10500
T44SW4	45	24-001	10/22/87	09:00	SW	G	RE	0.0	STRM	30.7	4290	<5.16	<5.96	<7.94	<18.6	30.9	31500	8840
T4-SW	20	24-002	12/12/85	11:20	SW	G	RE	0.0	STRM									
T4SW3	22	24-003	09/02/86	10:11	SW	G	RE	0.0	DTCH									
T44SW3	33	24-007	05/15/87	08:40	SW	G	RE	0.0	CREK	5.01	6390	<5.16	<5.96	<7.94	<18.6	<20.1	89500	20600
T44SW2	34	24-008	05/15/87	10:25	SW	G	RE	0.0	POND	2.56	3600	<5.16	<5.96	<7.94	<18.6	162	96300	53600
T44SW4	49	24-008	10/22/87	09:55	SW	G	RE	0.0	POND	<3.87	3030	<5.16	<5.96	<7.94	<18.6	<20.1	126000	63500

NSH

PARAMETER.					HA	MERCURY	DBCP	DCPD	HIRX	ECCPD	P,P'-DDT	P,P'-DDE	ALDRIN	DIELDRIN	ENDRIN	ISODRIN	CHLORDANE	DIHP
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T44SW4	43	11-004	10/29/87	10:31	5300	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	14	12-001	12/20/85	11:10			<0.130	<9.31	<13.0	NA	<0.050	<0.050	0.200	<0.060	<0.050	<0.060		<10.0
T4SW2	15	12-001	07/01/86	13:00			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	15	12-001	09/02/86	14:20			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	15	12-001	05/19/87	10:04	17600	<0.359	<0.130	<21.6	<12.9	<0.063	<0.059	<0.046	<0.063	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW2	16	12-002	07/01/86	13:22			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	16	12-002	09/02/86	14:50			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW4	16	12-002	10/22/87	13:40	3120	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	17	12-004	12/20/85	11:55			<0.130	<9.31	<13.0									
T4SW3	18	12-004	09/03/86	10:17			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	18	12-004	05/19/87	10:41	29200	<0.359	<0.130	<21.6	<12.9	<0.063	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T4SW2	19	12-005	07/02/86	11:05			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	19	12-005	05/19/87	13:17	85200	<0.359	<0.130	<21.6	<12.9	<0.063	<0.059	<0.046	<0.110	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	19	12-005	10/30/87	07:51	87200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQ1W	42	12AAB	11/19/85	14:15			<0.130	<9.31					0.100	<0.060	<0.050	<0.060		<10.0
OPSW2	3	12AAB	06/16/86	12:45	60400	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	3	12AAB	09/05/86	12:51	113000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS1	3	12AAB	12/17/86	11:15	114000	<0.500	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS2	3	12AAB	03/27/87	10:31	120000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS3	3	12AAB	06/17/87	11:34	40900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS4	3	12AAB	09/24/87	11:23	134000	<0.480	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW	3	12ABB	04/07/86	12:45	77200	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQ1W	49	13BCC	11/22/85	09:45			<0.130	<9.31					<0.070	0.080	<0.050	<0.060		<10.0
OFQ1W	77	13BCC	12/20/85	11:00			<0.130	<9.31					0.200	<0.060	<0.050	<0.060		17.0
OPSW	18	13BCC	04/02/86	12:30	174000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS2	18	13BCC	03/26/87	14:14	12200	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS3	18	13BCC	06/17/87	12:52	129000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OFQ1W	48	14BDB	12/14/85	10:00			<0.130	<9.31					<0.070	<0.060	<0.050	<0.060		50.0
OPSW	9	14BDD	04/02/86	14:00	213000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.053	<0.053	<0.070	0.062	<0.052	<0.060		69.0
OPSW2	9	14BDD	06/16/86	14:40	302000	<0.240	<0.130	24.2	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		466
T44OS1	9	14BDD	12/16/86	13:21	261000	<0.500	<0.130	31.5	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		550
T44OS2	9	14BDD	03/26/87	15:20	157000	<0.359	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		89.3
T44OS3	9	14BDD	06/17/87	13:20	150000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		74.6
T44OS4	9	14BDB	10/12/87	16:49	253000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		196
OPSW	7	22CAA	04/15/86	10:45	73700	<0.240	<0.130	NA	NA	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	7	22CAA	06/16/86	10:00	63200	IL	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	7	22CAA	09/05/86	11:00	68700	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS2	7	22CAA	04/08/87	11:11	89000	<0.359	<0.130	<9.31	<12.9	NA	NA	NA	NA	NA	NA	NA		11.7
T44OS3	7	22CAA	06/17/87	09:26	58300	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS4	7	22CAA	10/23/87	09:41	NA	NA	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	19	24-001	12/12/85	11:44			<0.130	<9.31	<13.0	NA	<0.050	<0.050	0.080	<0.060	<0.050	<0.060		<10.0
T4SW2	20	24-001	06/30/86	14:05			<0.130	<9.31	<12.9	<0.700	<0.700	<0.530	2.98	0.926	<0.520	<0.600		<10.5
T4SW3	20	24-001	09/02/86	10:40			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.598	0.207	<0.052	<0.060		<10.5
T44SW3	20	24-001	05/15/87	09:30	65800	<0.359	0.150	NA	NA	<0.170	<0.059	<0.046	0.361	0.105	<0.060	<0.056	<0.152	<10.5
T44SW4	45	24-001	10/22/87	09:00	63900	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	0.248	0.099	<0.052	<0.060		<10.5
T4-SW	20	24-002	12/12/85	11:20			<0.130	<9.31	<13.0	NA	<0.050	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW3	22	24-003	09/02/86	10:11			<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	33	24-007	05/15/87	08:40	107000	<0.359	<0.130	<9.31	<12.9	<0.170	<0.059	<0.046	<0.063	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW3	34	24-008	05/15/87	10:25	231000	<0.359	<0.130	<9.31	<12.9	<0.170	<0.059	<0.046	<0.063	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	49	24-008	10/22/87	08:55	230000	<0.240	<0.130	<9.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5

RESH

PARAMETER:					DBEP	DTZ	DBDS	CPHSO2	CPHSO	CPHS	1,4-DITH	1,4-OXAT	TOLUEN	BENZENE	ETHYLBENZ	M-XYL	OAP-XYL	CL
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.REP.	#	SAMPLE ID	DATE	TIME														
T44SN4	43	11-004	10/25/87	10:31	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	<4800
T4-SN	14	12-001	12/20/85	11:10	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	690000
T4SN2	15	12-001	07/01/86	13:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	<4800
T4SN3	15	12-001	09/02/86	14:20	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	<4800
T44SN3	15	12-001	05/19/87	10:04	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	21000
T4SN2	16	12-002	07/01/86	13:22	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	<4800
T4SN3	16	12-002	09/02/86	14:50	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	<4800
T44SN4	16	12-002	10/22/87	13:40	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	21.7	<1.34	<1.20	<1.35	<2.47	<4800
T4-SN	17	12-004	12/20/85	11:55									<1.21	<1.34	<1.00	<1.35	<2.47	600000
T4SN3	18	12-004	09/03/86	10:17	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	<4800
T44SN3	18	12-004	05/19/87	10:41	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	34000
T4SN2	19	12-005	07/02/86	11:05	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	25100
T44SN3	19	12-005	05/19/87	13:17	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	97100
T44SN4	19	12-005	10/30/87	07:51	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	67700
OPQ1N	42	12AAB	11/19/85	14:15	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	82400
OPSN2	3	12AAB	06/16/86	12:45	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	32100
OPS3	3	12AAB	09/05/86	12:51	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	88700
T44OS1	3	12AAB	12/17/86	11:15	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	112000
T44OS2	3	12AAB	03/27/87	10:31	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	102000
T44OS3	3	12AAB	06/17/87	11:34	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	36200
T44OS4	3	12AAB	09/24/87	11:23	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	103000
OPSN	3	12ABB	04/07/86	12:45	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.20	<1.35	<2.47	53900
OPQ1N	45	13BCC	11/22/85	09:45	<15.2			NA	NA	NA	NA	NA	NA	NA		NA	NA	84200
OPQ1N	77	13BCC	12/20/85	11:00	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	88700
OPSN	10	13BCC	04/02/86	12:30	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.20	<1.35	<2.47	111000
T44OS2	10	13BCC	03/26/87	14:14	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	96800
T44OS3	10	13BCC	06/17/87	12:52	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	78100
OPQ1N	48	14BBB	12/14/85	10:00	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	142900
OPSN	9	14BBB	04/02/86	14:00	<15.2			<4.70	<4.20	<11.7	<11.3	<20.0	<1.21	<1.34	<1.20	<1.35	<2.47	157000
OPSN2	9	14BBB	06/16/86	14:40	<15.2		<1.00	<4.70	<4.20	<1.30	2.21	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	295000
T44OS1	9	14BBB	12/16/86	13:21	<15.2	<2.00	<1.00	5.20	<4.20	<1.30	2.76	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	286000
T44OS2	9	14BBB	03/26/87	15:28	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	147000
T44OS3	9	14BBB	06/17/87	13:20	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	131000
T44OS4	9	14BBB	10/12/87	16:43	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	185000
OPSN	7	22CAA	04/15/86	10:45	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	50500
OPSN2	7	22CAA	06/16/86	10:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	61100
OPS3	7	22CAA	09/05/86	11:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	51500
T44OS2	7	22CAA	04/08/87	11:11	<15.2	NA	NA	NA	NA	NA	NA	NA	<1.21	<1.34	<1.20	<1.35	<2.47	70500
T44OS3	7	22CAA	06/17/87	09:26	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	59000
T44OS4	7	22CAA	10/23/87	09:41	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	51400
T4-SN	19	24-001	12/12/85	11:44	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	60200
T4SN2	20	24-001	06/30/86	14:05	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	147000
T4SN3	20	24-001	09/02/86	10:40	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	64900
T44SN3	26	24-001	05/15/87	09:30	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	60500
T44SN4	45	24-001	10/22/87	09:00	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	60400
T4-SN	20	24-002	12/12/85	11:20	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	95800
T4SN3	22	24-003	09/02/86	10:11	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	286000
T44SN3	33	24-007	05/15/87	08:40	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	65700
T44SN3	34	24-008	05/15/87	10:25	<15.2	<1.14	<1.16	<2.24	<1.98	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	297000
T44SN4	49	24-008	10/22/87	09:55	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	386000

MSH

PARAMETER:					FL	SO4	CCL4	CHCL3	CL6BZ	MEYHYLCL	TCLEE	11DCLE	11DCE	111TCE	112TCE	12DCLE	T12DCE	TRCLE
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T44SW4	43	11-004	10/29/87	10:31	<1220	14400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	14	12-001	12/20/85	11:10	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	15	12-001	07/01/86	13:00	<1200	10400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	15	12-001	09/02/86	14:20	<1200	16400	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	15	12-001	05/19/87	10:04	<1220	35300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	16	12-002	07/01/86	13:22	<1200	16100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	16	12-002	09/02/86	14:50	<1200	15100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	16	12-002	10/22/87	13:48	1640	<10000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	17	12-004	12/20/85	11:55	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	18	12-004	09/03/86	10:17	<1200	17300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	18	12-004	05/19/87	10:41	1470	76000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	19	12-005	07/02/86	11:05	<1200	59100	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	19	12-005	05/19/87	13:17	1470	326000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	19	12-005	10/30/87	07:51	<1220	116000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPQ1W	42	12AAB	11/19/85	14:15	<1200		<2.40	<1.40	<0.500		<1.30						<1.20	<5.50
OPSW2	3	12AAB	06/16/86	12:45	<1200	85700	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	3	12AAB	09/05/86	12:51	<1200	163000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS1	3	12AAB	12/17/86	11:15	<1200	193000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS2	3	12AAB	03/27/87	10:31	<1200	193000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS3	3	12AAB	06/17/87	11:34	<1220	84700	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS4	3	12AAB	09/24/87	11:23	<1220	199000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW	3	12ABB	04/07/86	12:45	<1200	121000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPQ1W	49	13DCC	11/22/85	09:45	<1200		NA	NA	NA		NA						NA	NA
OPQ1W	77	13DCC	12/20/85	11:00	<1200		<2.40	<1.40	<0.500		<1.30						<1.20	<1.10
OPSW	10	13DCC	04/02/86	12:30	<1200	201000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS2	10	13DCC	03/26/87	14:14	<1200	260000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS3	10	13DCC	06/17/87	12:52	<1220	254000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPQ1W	48	14BBB	12/16/85	10:00	1470		<2.40	<1.40	<0.500		<1.30						<1.20	<1.10
OPSW	9	14BBB	04/02/86	14:00	1460	380000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	9	14BBB	06/16/86	14:40	1780	410000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS1	9	14BBB	12/16/86	13:21	1560	296000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	0.754	<1.20	<1.10
T44GS2	9	14BBB	03/26/87	15:20	1200	320000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS3	9	14BBB	06/17/87	13:20	1550	288000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS4	9	14BBB	10/12/87	16:49	1510	369000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW	7	22CAA	04/15/86	10:45	<1200	134000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	7	22CAA	06/16/86	10:00	<1200	110000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	7	22CAA	09/05/86	11:00	<1200	102000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS2	7	22CAA	04/08/87	11:11	<1220	136000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS3	7	22CAA	06/17/87	09:26	<1220	98600	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44GS4	7	22CAA	10/23/87	08:41	<1220	127000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	19	24-001	12/12/85	11:44	<1200		<2.40	4.85	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	25	24-001	06/30/86	14:05	1200	99000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	20	24-001	09/02/86	10:40	<1200	42900	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	28	24-001	05/15/87	09:30	<1220	49200	<2.40	11.4	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.620	<1.20	<1.10
T44SW4	45	24-001	10/22/87	09:00	<1220	31200	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	20	24-002	12/12/85	11:20	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<5.00	<0.610	<1.20	<5.50
T4SW3	22	24-003	09/02/86	10:11	1030	463000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	33	24-007	05/15/87	08:40	<1220	210000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	34	24-008	05/15/87	10:25	1720	446000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	49	24-008	10/22/87	09:55	1030	410000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10

HSW

PARAMETER:					BOD	SP COND	FIELD PH
UNITS:					MG/L AS O	UMHOS/CM	STD UNITS
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T44SW4	43	11-004	10/29/87	10:31	10.1		
T4-SW	14	12-001	12/20/85	11:10			
T4SW2	15	12-001	07/01/86	13:00		178	10.4
T4SW3	15	12-001	09/02/86	14:20		142	10.2
T44SW3	15	12-001	05/19/87	10:04	30.3		
T4SW2	16	12-002	07/01/86	13:22		153	9.00
T4SW3	16	12-002	09/02/86	14:50		133	9.90
T44SW4	16	12-002	10/22/87	13:40	<10.0		
T4-SW	17	12-004	12/20/85	11:55			
T4SW3	18	12-004	09/03/86	10:17		122	8.03
T44SW3	18	12-004	05/19/87	10:41	258		
T4SW2	19	12-005	07/02/86	11:05		500	8.54
T44SW3	19	12-005	05/19/87	13:17	3150		
T44SW4	19	12-005	10/30/87	07:51	4060		
OPQ1W	42	12AAB	11/19/85	14:15		950	7.80
OPSW2	3	12AAB	06/16/86	12:45	1230	415	7.54
OPS3	3	12AAB	09/05/86	12:51	3650	930	7.84
T44OS1	3	12AAB	12/17/86	11:15	1020	683	7.93
T44OS2	3	12AAB	03/27/87	10:31	2320	1110	8.00
T44OS3	3	12AAB	06/17/87	11:34	1880		
T44OS4	3	12AAB	09/24/87	11:23	2330		
OPSW	3	12BBB	04/07/86	12:45	1610	685	7.51
OPQ1W	43	13DCC	11/22/85	09:45			
OPQ1W	77	13DCC	12/20/85	11:00		1240	7.74
OPSW	10	13DCC	04/02/86	12:30	<10.0	1300	8.75
T44OS2	10	13DCC	03/26/87	14:16	416	1260	8.10
T44OS3	10	13DCC	06/17/87	12:52	249		
OPQ1W	40	14BBB	12/14/85	10:00		1700	8.66
OPSW	9	14BBB	04/02/86	14:00	860	1490	8.37
OPSW2	9	14BBB	06/16/86	14:40	11.5	2010	8.45
T44OS1	9	14BBB	12/16/86	13:21	<10.0	1510	8.70
T44OS2	9	14BBB	03/26/87	15:20	<10.0	1520	8.64
T44OS3	9	14BBB	06/17/87	13:20	35.9		
T44OS4	9	14BBB	10/12/87	16:49	AA		
OPSW	7	22CAA	04/15/86	10:45	450	733	8.50
OPSW2	7	22CAA	06/16/86	10:00	339	636	8.50
OPS3	7	22CAA	09/05/86	11:00	770	640	9.06
T44OS2	7	22CAA	04/08/87	11:11	1100	850	9.14
T44OS3	7	22CAA	06/17/87	09:26	485		
T44OS4	7	22CAA	10/23/87	09:41	837		
T4-SW	15	24-001	12/12/85	11:44			
T4SW2	28	24-001	06/30/86	14:05		985	7.78
T4SW3	28	24-001	09/02/86	10:40		505	7.80
T44SW3	28	24-001	05/15/87	09:30	3660		
T44SW4	45	24-001	10/22/87	09:00	2910		
T4-SW	20	24-002	12/12/85	11:20			
T4SW3	22	24-003	05/02/86	10:11		1340	8.00
T44SW3	33	24-007	05/15/87	08:40	230		
T44SW3	34	24-008	05/15/87	10:25	21.0		
T44SW4	49	24-008	10/22/87	09:55	28.4		

RESH

PARAMETER:				SAM TYPE	S TECH	INSTAL SAMPLE	DEPTH CM	SITE TYPE	ARSENIC	B	CADMIUM	CR	COPPER	LEAD	ZINC	CA	MG
UNITS:									UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.DEP.	#	SAMPLE ID	DATE TIME														
T4-SH	33	30-002	12/12/85 13:00	SH	G	RE	0.0	STRM									
T4SH2	27	30-002	06/30/86 14:35	SH	G	RE	0.0	DTCH									
T4SH3	35	30-002	09/02/86 11:13	SH	G	RE	0.0	STRM									
T44SH3	27	30-002	05/20/87 12:35	SH	G	RE	0.0	STRM	<2.50	7700	<5.16	<5.96	<7.94	<10.6	<20.1	87200	24900
T44SH4	56	30-002	10/22/87 10:20	SH	G	RE	0.0	STRM	<3.07	4230	<5.16	<5.96	<7.94	<10.6	<20.1	115000	37000
T4-SH	27	31-001	12/12/85 12:37	SH	G	RE	0.0	DTCH									
T4SH2	26	31-001	06/26/86 15:00	SH	G	RE	0.0	DTCH									
T44SH2	28	31-001	05/20/87 13:11	SH	G	RE	0.0	DTCH	<2.50	3500	<5.16	<5.96	<7.94	<10.6	<20.1	63900	30400
T44SH4	28	31-001	10/22/87 11:00	SH	G	RE	0.0	DTCH	<3.07	7160	<5.16	<5.96	10.1	<10.6	<20.1	107000	50100
T4SH2	29	31-002	07/01/86 11:50	SH	G	RE	0.0	STRM									
T4SH3	29	31-002	09/02/86 11:51	SH	G	RE	0.0	STRM									
T44SH3	29	31-002	05/27/87 12:57	SH	G	RE	0.0	STRM	7.27	7430	<5.16	<5.96	<7.94	<10.6	<20.1	97000	23200
T44SH4	23	31-002	10/22/87 11:30	SH	G	RE	0.0	STRM	<3.07	6470	<5.16	<5.96	<7.94	<10.6	<20.1	62000	28300
OPQ1H	47	33ABB	12/12/85 10:00	SH	G	RE	0.0	LAKE									
OPSH	8	33ABB	04/15/86 08:30	SH	G	RE	0.0	LAKE	<3.90	2430	<5.20	<6.60	<7.90	<10.5	<20.1	64500	13000
OPSH2	8	33ABB	06/16/86 12:00	SH	G	RE	0.0	LAKE	<3.90	2300	<5.20	<6.60	<7.90	<10.5	36.2	69000	11900
OPS3	6	33ABB	09/05/86 11:40	SH	G	RE	0.0	LAKE	<3.90	4430	<5.20	<6.60	<7.90	<10.5	<20.1	131000	12000
T44QS1	8	33ABB	12/17/86 09:40	SH	G	RE	0.0	LAKE	<3.90	4030	<5.16	<11.0	<7.94	<10.6	20.3	82800	14700
T44QS2	8	33ABB	04/08/87 12:11	SH	G	RE	0.0	LAKE	<2.50	4240	<5.16	<5.96	<7.94	<10.6	39.8	61000	13100
T44QS3	8	33ABB	06/17/87 10:40	SH	G	RE	0.0	LAKE	<3.07	2160	<5.16	<5.96	<7.94	<10.6	29.1	31300	7290
T44QS4	8	33ABB	10/23/87 10:55	SH	G	RE	0.0	LAKE	<3.07	4010	<5.16	7.68	<7.94	<10.6	<20.1	75900	16100
T44SH3	35	35-003	05/28/87 10:36	SH	G	RE	0.0	BASN	703	11500	<5.16	<5.96	10.5	<10.6	<20.1	73600	8970
T4-SH	31	36-001	12/09/85 10:12	SH	G	RE	0.0	BASN									
T4SH2	32	36-001	07/02/86 09:20	SH	G	RE	0.0	BASN									
T4SH3	32	36-001	09/12/86 13:10	SH	G	RE	0.0	BASN									
T44SH3	32	36-001	05/27/87 09:21	SH	G	RE	0.0	DTCH	266	4020	<5.16	<5.96	<7.94	<10.6	<20.1	55600	18000
T44SH4	32	36-001	10/30/87 09:31	SH	G	RE	0.0	DTCH	302	3940	<5.16	<5.96	<7.94	<10.6	<20.1	61700	24900
T4SH3	33	36-003	09/12/86 13:39	SH	G	RE	0.0										
T44SH3	37	36-003	05/27/87 10:11	SH	G	RE	0.0	BASN	1240	4430	6.72	<5.96	9.92	<10.6	<20.1	33100	1370

NESH

PARAMETER:					NA	HEXCHR	2OCP	DCPD	HEPX	HCCPD	P,P'-DDT	P,P'-DDE	ALDRIN	DIELDRIN	ENDRIN	ISOMIN	CHLORDANE	DIAZ
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	33	30-002	12/12/85	13:00			<0.130	<0.31	<13.0	NA	<0.070	<0.050	<0.070	<0.060	<0.050	<0.060		<10.0
T4SW2	27	30-002	06/30/86	14:35			<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	35	30-002	09/02/86	11:13			<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	27	30-002	05/28/87	12:35	89100	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	50	30-002	10/22/87	10:20	140000	<0.240	<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4-SW	27	31-001	12/12/85	12:37			<0.130	<0.31	<13.0	NA	<0.070	<0.050	0.080	<0.060	<0.050	<0.060		<10.0
T4SW2	28	31-001	06/30/86	15:00			<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	28	31-001	05/28/87	13:11	90300	<0.359	<0.130	<16.2	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	28	31-001	10/22/87	11:00	132000		0.9	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW2	29	31-002	07/01/86	11:50			<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T4SW3	29	31-002	09/02/86	11:51			<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	29	31-002	05/27/87	12:57	82100	<0.359	<0.130	<0.31	<12.9	<0.083	<0.059	<0.046	<0.083	<0.055	<0.060	<0.056	<0.152	<10.5
T44SW4	29	31-002	10/22/87	11:30	100000	<0.240	<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<3.060		<10.5
OPSW	47	33ABB	12/12/85	10:00			<0.130	<0.31					0.100	<0.060	0.400	<1.560		<10.0
OPSW	8	33ABB	04/15/86	08:30	58600	<0.240	<0.130	NA	NA	<0.070	<0.053	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPSW2	8	33ABB	06/16/86	12:00	45100	<0.240	<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
OPS3	8	33ABB	09/05/86	11:40	123400	<0.240	<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS1	8	33ABB	12/17/86	09:40	101000	<0.500	<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS2	8	33ABB	04/08/87	12:11	68400	<0.359	<0.130	<0.31	<12.9	NA	NA	NA	NA	NA	NA	NA		<10.5
T44OS3	8	33ABB	06/17/87	10:40	25000	<0.240	<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44OS4	8	33ABB	10/23/87	10:55	65000	<0.240	<0.130	<0.31	<12.9	<0.070	<0.070	<0.053	<0.070	<0.060	<0.052	<0.060		<10.5
T44SW3	39	35-003	05/28/87	10:36	456000	<0.359	<0.130	<0.31	<12.9	<0.211	<0.097	<0.037	<0.146	4.10	1.54	<0.100	<0.233	120
T4-SW	31	36-001	12/09/85	10:12			140	76.2	2800	NA	<7.00	<5.00	<7.00	<6.00	<5.00	<6.00		32.0
T4SW2	32	36-001	07/02/86	09:26			>2.20	17.8	839	2.45	<0.760	<0.530	3.07	3.75	1.55	<0.600		<10.5
T4SW3	32	36-001	08/12/86	13:10			45.7	<0.31	304	1.25	<0.700	<0.530	0.903	5.54	1.39	<0.600		<10.5
T44SW3	32	36-001	05/27/87	09:21	86400	<0.359	86.9	31.5	>184	<0.15	<2.95	<2.30	<4.15	10.0	5.16	<2.80	<7.60	<10.5
T44SW4	32	36-001	10/30/87	09:31	136000	<0.240	<26.0	11.6	250	<1.40	<1.46	<1.06	<0.700	>20.0	<1.04	<1.20		<10.5
T4SW3	33	36-003	08/12/86	13:39			<0.130	<0.31	<12.9	<0.700	<0.700	<0.530	4.90	83.3	14.9	<0.600		<10.5
T44SW3	37	36-003	05/27/87	10:11	242000	<0.359	<0.130	<0.31	<12.9	<0.30	<5.90	<4.60	<0.30	47.9	9.63	<5.60	<15.2	27.6

HLSW

PARAMETER:					BENZ	BT2	BNDS	CPDS02	CPDS0	CPDS	1,4-DITH	1,4-OXAT	TOLUEN	BENZENE	ETHYLBENZ	M-XYL	OAP-XYL	CL
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4-SH	33	30-002	12/12/85	13:00	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	85400
T4SH2	27	30-002	06/30/86	14:35	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	112000
T4SH3	35	30-002	09/02/86	11:13	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	115000
T44SH3	27	30-002	05/28/87	12:35	<15.2	<1.14	<1.16	<2.24	<1.90	<1.06	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	52500
T44SH4	59	30-002	10/22/87	10:20	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	94750
T4-SH	27	31-001	12/12/85	12:37	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.00	<1.35	<2.47	77200
T4SH2	28	31-001	06/30/86	15:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	73000
T44SH3	28	31-001	05/28/87	13:11	<15.2	<1.14	<1.16	<2.24	<1.90	<1.06	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	63000
T44SH4	28	31-001	10/22/87	11:00	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	
T4SH2	29	31-002	07/31/86	11:50	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	60400
T4SH3	29	31-002	09/02/86	11:51	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	82100
T44SH3	29	31-002	05/27/87	12:57	<15.2	<1.14	<1.16	<2.24	<1.90	<1.00	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	50100
T44SH4	29	31-002	10/22/87	11:36	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	65100
BFQ:H	47	33HBB	12/12/85	10:00	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34		<1.35	<2.47	54850
OPSH	8	33HBB	04/15/86	08:30	<15.2			<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	51300
OPSH2	8	33HBB	06/16/86	12:00	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	38600
OPS3	8	33HBB	09/05/86	11:40	<15.2		<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	55300
T44HS1	8	33HBB	12/17/86	05:40	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	97000
T44HS2	8	33HBB	04/08/87	12:11	<15.2	NA	NA	NA	NA	NA	NA	NA	<1.21	<1.34	<1.20	<1.35	<2.47	55700
T44HS3	8	33HBB	06/17/87	10:40	<15.2	<2.00	<1.60	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	26200
T44HS4	8	33HBB	10/23/87	10:55	<15.2	<2.00	<1.00	<4.70	<4.20	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	53400
T44SH3	39	35-003	05/28/87	10:36	<15.2	<1.14	<1.16	162	16.7	<1.06	<1.59	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	821600
T4-SH	31	36-001	12/09/85	10:12	<15.2			>110	26.0	26.0	<1.10	<2.00	31.0	40.3	6.00	<1.35	286	163000
T4SH2	32	36-001	07/02/86	09:20	17.3		<1.00	1540	87.1	8.20	<1.10	<2.00	41.2	20.2	102	<1.35	284	164000
T4SH3	32	36-001	08/12/86	13:10	<15.2		<1.00	1356	58.2	4.47	<1.10	<2.00	1.09	1.72	<1.20	<1.35	73.9	
T44SH3	32	36-001	05/27/87	09:21	<15.2	<1.14	<1.16	797	51.7	44.3	<1.59	<1.35	>8.09	176	>8.09	<1.35	>18.1	72800
T44SH4	32	36-001	10/30/87	09:31	<15.2	<2.00	<1.09	1878	58.6	>25.3	1.46	<2.00	<12.1	30.9	>89.0	<13.5	123	132000
T4SH3	33	36-003	08/12/86	13:39	<15.2		<1.00	200	12.2	<1.30	<1.10	<2.00	<1.21	<1.34	<1.20	<1.35	<2.47	
T44SH3	37	36-003	05/27/87	10:11	<15.2	<1.14	<1.16	135	25.5	<1.06	3.57	<1.35	<1.21	<1.34	<1.20	<1.35	<2.47	252000

MSW

PARAMETER:					FL	SO4	CCL4	CHCL3	CLCOHS	METHYLCL	TCLEE	11DCLE	11DCE	111TCE	112TCE	12DCLE	T12DCE	TRCLE
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD_GRP.	#	SAMPLE ID	DATE	TIME														
T4-SW	33	30-002	12/12/85	13:00	<1200		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	27	30-002	06/30/86	14:35	<1200	314000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	35	30-002	09/52/86	11:13	<1200	295000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	27	30-002	05/23/87	12:35	<1220	163000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	50	30-002	10/22/87	10:20	<1220	315000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	27	31-001	12/12/85	12:37	1440		<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	28	31-001	06/30/86	15:00	1500	137200	<2.40	<1.40	1.75	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	28	31-001	05/28/87	13:11	1470	150000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	28	31-001	10/22/87	11:00			<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW2	29	31-002	07/31/86	11:50	<1200	117000	<2.40	3.54	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4SW3	29	31-002	09/02/86	11:51	<1200	126000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	29	31-002	05/27/87	12:57	<1220	146000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW4	29	31-002	10/22/87	11:30	<1220	161000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPQ1W	47	33AXX	12/12/85	10:00	<1200		<2.40	3.00	<0.500		<1.30						<1.20	<1.10
OPSW	8	33AXX	04/15/86	08:30	<1200	94200	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPSW2	8	33AXX	06/16/86	12:00	<1200	96500	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
OPS3	8	33AXX	09/05/86	11:40	<1200	95300	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS1	8	33AXX	12/17/86	09:40	<1200	176000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS2	8	33AXX	04/08/87	12:11	<1220	112000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS3	8	33AXX	06/17/87	10:48	<1220	41800	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44OS4	8	33AXX	10/23/87	10:55	<1220	138000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	39	35-003	05/28/87	10:36	1620	464000	<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T4-SW	31	36-001	12/09/85	10:12	3480		<2.40	561	1700	<5.00	130	<1.20	4.70	2.70	4.10	<0.610	8.01	82.9
T4SW2	32	36-001	07/02/86	09:26	1450	110000	<2.40	567	1570	7.85	90.1	<1.20	5.32	3.25	5.93	<0.610	11.3	68.7
T4SW3	32	36-001	08/12/86	13:16			<2.40	294	15.8	<5.00	43.1	<1.20	1.78	<1.70	2.12	<0.610	3.41	19.7
T44SW3	32	36-001	05/27/87	09:21	<1220	72900	<2.40	641	1210	<5.00	85.3	<1.20	5.70	2.66	3.90	<0.610	12.2	63.8
T44SW4	32	36-001	10/30/87	09:31	1420	59500	<2.40	198	1010	<5.00	66.5	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	61.3
T4SW3	33	36-003	08/12/86	13:29			<2.40	<1.40	<0.500	<5.00	<1.30	<1.20	<1.10	<1.70	<1.00	<0.610	<1.20	<1.10
T44SW3	37	36-003	05/27/87	10:11	1340	200000	<2.40	2.14	3.02	<5.00	<1.30	<1.20	<1.10	<1.70	6.05	6.14	<1.20	<1.10

BASH

PARAMETER:					BOD	SP COND	FIELD PH
UNITS:					MG/L AS O	UMHOS/CM	STD UNITS
FLD GRP	N	SAMPLE ID	DATE	TIME			
T4-SW	33	30-002	12/12/85	13:00			
T4SW2	27	30-002	06/30/86	14:35		1460	8.29
T4SW3	35	30-002	09/02/86	11:13		1470	8.20
T44SW3	27	30-002	05/20/87	12:35	479		
T44SW4	50	30-002	10/22/87	10:20	1770		
T4-SW	27	31-001	12/12/85	12:37			
T4SW2	28	31-001	06/30/86	15:06		1160	7.64
T44SW3	28	31-001	05/20/87	13:11	5060		
T44SW4	28	31-001	10/22/87	11:06			
T4SW2	29	31-002	07/01/86	11:50		872	8.73
T4SW3	29	31-002	09/02/86	11:51		823	9.20
T44SW3	29	31-002	05/27/87	12:57	749		
T44SW4	29	31-002	10/22/87	11:30	40.1		
OPQ1W	47	33AAB	12/12/85	10:09		788	8.11
OPSW	8	33AAB	04/15/86	08:30	796	619	8.09
OPSW2	8	33AAB	06/16/86	12:00	1640	519	7.60
OPS3	8	33AAB	09/05/86	11:40	2640	650	8.06
T44OS1	8	33AAB	12/17/86	09:40	2750	850	6.80
T44OS2	8	33AAB	04/08/87	12:11	1760	740	7.62
T44OS3	8	33AAB	06/17/87	10:40	809		
T44OS4	8	33AAB	10/23/87	10:55	2470		
T44SW3	39	35-503	05/20/87	10:30	30.7		
T4-SW	31	36-001	12/09/85	10:12			
T4SW2	32	36-001	07/02/86	09:20		1350	7.95
T4SW3	32	36-001	08/12/86	13:10		1110	8.57
T44SW3	32	36-001	05/27/87	09:21	1760		
T44SW4	32	36-001	10/30/87	09:31	55.7		
T4SW3	33	36-003	08/12/86	13:39		4930	9.70
T44SW3	37	36-003	05/27/87	10:11	432		

File

THIRD QUARTER FY1987 WATER TABLE MAP DATA

APPENDIX B.2: ALLUVIAL WATER LEVEL DATA

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 1 of 13)

Well ID	Water Level Elevation
01001	5249.8
01002	-999.9
01004	5248.8
01009	0.0
01010	5255.8
01011	5257.3
01017	5252.6
01020	-999.9
01021	5247.4
01024	5235.0
01027	5246.6
01033	5249.5
01041	5247.6
01044	5247.5
01049	5245.4
01501	5260.6
01510	5254.0
01514	5260.6
01518	5261.3
01528	5256.7
02001	5223.0
02002	5236.3
02008	5195.7
02011	5207.0
02014	5195.7
02017	-999.9
02020	5220.3
02023	5224.9
02026	5222.6
02034	5227.6
02037	5221.3
02040	5213.8
02049	5193.9
02520	5194.1
03001	5135.4
03002	5139.6
03005	5175.1
03516	5125.4
03517	5125.9
03518	5126.2
03519	-999.9
03522	5132.7
03523	5141.6
04007	5122.7
04010	5127.6
04013	5123.2
04014	5123.2

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 2 of 13)

Well ID	Water Level Elevation
04015	5123.1
04016	5123.1
04019	5124.7
04020	5124.7
04021	5122.6
04022	5122.6
04023	5122.6
04024	5121.8
04025	5122.0
04026	5127.2
04027	5126.9
04028	5127.0
04029	5126.9
04038	5119.7
04039	5120.2
04042	5136.6
04043	5136.0
04044	5132.0
04045	5127.8
04046	5127.93
04047	5127.93
04524	5139.0
04525	5139.3
06002	5249.5
06003	5234.5
07001	5286.3
07003	5276.6
08002	5302.7
08003	5283.2
09001	-999.9
09002	5144.7
09005	5152.7
09006	5152.1
09007	5153.4
09008	5171.9
09010	5141.0
09011	5148.7
11002	5242.9
11005	5225.7
11006	5220.1
11007	5228.5
12001	5274.9
12002	5254.7
12005	5247.3
12007	5245.5
12008	5246.8
12009	5247.6

RMA_Data_Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 3 of 13)

Well_ID	Water Level Elevation
19001	5170.1
19004	5158.7
19008	-999.9
19009	-999.9
19010	-999.9
19014	-999.9
22002	5095.7
22003	5093.7
22004	5106.8
22005	5087.5
22006	5109.1
22007	5107.9
22008	5092.7
22010	5093.1
22011	5111.7
22012	5143.7
22014	-999.9
22015	5087.4
22016	5087.3
22017	5087.4
22018	5087.8
22019	5092.2
22020	5093.2
22021	5093.3
22022	5093.4
22025	-999.9
22029	-999.9
22033	5093.5
22034	5093.3
22036	5093.4
22040	5092.3
22043	5093.1
22045	5092.7
22049	5110.3
22050	5106.9
22051	5086.4
22052	5089.9
22053	5091.2
22054	5112.3
22056	5093.2
22059	5087.2
22060	5106.2
23002	5142.9
23003	5142.9
23004	5141.5
23006	5143.0
23007	5142.9

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 4 of 13)

Well ID	Water Level Elevation
23008	5143.7
23009	5141.4
23010	5140.1
23011	5140.8
23012	5141.4
23013	5142.7
23014	5142.7
23015	5142.9
23016	5142.9
23020	0.0
23025	5139.1
23026	5138.8
23029	5140.9
23030	5140.7
23033	5141.2
23034	5144.0
23035	-999.9
23036	5142.6
23037	0.0
23038	-999.9
23039	5118.9
23040	5130.2
23043	5131.0
23044	5131.0
23045	5128.5
23046	5126.7
23047	5126.8
23048	5127.2
23049	5143.7
23050	5141.6
23051	5141.8
23052	5141.9
23057	5142.8
23058	5141.7
23059	5146.9
23063	-999.9
23064	-999.9
23065	-999.9
23066	-999.9
23067	5142.6
23072	5141.6
23079	5143.0
23084	5141.2
23085	5139.9
23092	5129.1
23094	5142.7
23095	5142.7
23096	5142.3

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 5 of 13)

Well_ID	Water Level Elevation
23101	5142.1
23102	5142.0
23107	5143.4
23108	5142.9
23109	-999.9
23110	5127.9
23111	5130.5
23118	5138.5
23119	5139.4
23120	5138.6
23121	5138.6
23122	5139.1
23123	5139.4
23124	5134.1
23128	-999.9
23129	-999.9
23130	-999.9
23131	-999.9
23132	-999.9
23134	5141.8
23135	5145.6
23136	-999.9
23137	-999.9
23140	5142.7
23141	-888.8
23142	5142.6
23143	5142.6
23145	5140.0
23146	5140.2
23148	5141.1
23149	-999.9
23150	5140.6
23151	5140.7
23157	5139.1
23160	5140.8
23166	5134.0
23178	5136.6
23179	5142.6
23188	5142.5
23191	5142.8
23196	5122.6
23197	5125.4
23198	5127.5
23205	5139.1
23207	5140.0
23208	5140.5
23211	5140.4
24001	5141.6

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 6 of 13)

Well_ID	Water Level Elevation
24002	5143.3
24003	5147.4
24004	5132.7
24006	-999.9
24007	5141.1
24008	5141.7
24009	5141.6
24010	5141.9
24011	-999.9
24013	5139.8
24014	5140.1
24015	5139.9
24016	5139.4
24017	5139.6
24018	5140.1
24019	5140.7
24020	5140.3
24021	5139.8
24022	5140.0
24023	5140.5
24024	5139.7
24025	5139.2
24026	0.0
24027	5142.3
24040	0.0
24043	5143.2
24045	5141.7
24046	5141.5
24048	5141.4
24049	5141.3
24050	5142.0
24051	5142.0
24052	5142.1
24053	5142.1
24054	0.0
24055	5141 6
24056	5138.5
24057	5139.4
24058	5139.8
24062	5139.6
24064	5151.8
24065	5154.6
24067	0.0
24081	5164.5
24085	5166.1
24088	5162.3
24092	5139.6
24093	5154.2

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 7 of 13)

Well ID	Water Level Elevation
24094	5157.2
24095	5157.4
24096	5151.5
24097	5149.4
24098	5147.8
24099	5144.3
24100	5143.3
24101	5140.5
24102	5141.6
24103	5141.4
24104	5142.9
24105	5143.8
24106	5145.5
24107	5150.2
24110	-999.9
24111	5158.8
24112	5162.0
24113	5141.2
24114	5140.4
24115	5140.4
24117	5140.5
24121	5143.7
24122	5156.9
24123	5157.0
24128	5140.0
24129	5140.2
24149	5137.8
24150	5136.2
24151	5139.5
24158	5151.4
24161	5132.0
24162	5133.4
24163	5134.8
24164	5135.6
24165	5133.7
24166	5131.8
24169	5133.1
24170	5138.3
24176	5135.3
24177	-999.9
24178	5139.1
24179	5138.6
24180	5138.2
24181	5137.8
24182	5137.6
24183	5136.7
24185	5138.3
24186	5137.9

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 8 of 13)

Well_ID	Water Level Elevation
24187	5137.9
24188	5138.5
25001	5193.7
25002	-999.9
25003	5152.8
25011	5181.2
25015	5160.3
25018	5166.6
25022	5213.2
25030	-999.9
25035	5230.3
25038	5192.6
26001	-999.9
26002	5150.4
26004	-999.9
26005	5158.6
26006	5160.7
26009	5128.7
26010	5163.2
26011	5146.3
26015	5145.5
26016	5146.3
26017	5146.8
26018	5146.1
26020	5149.4
26040	5147.7
26044	5144.4
26046	5145.5
26048	5150.4
26049	5151.5
26050	5157.7
26062	5163.9
26065	5163.5
26068	5160.0
26070	-999.9
26073	5177.2
26076	5151.8
26078	-999.9
26081	5148.7
26083	5151.0
26085	5180.2
26088	5143.9
26091	5155.7
26093	5162.5
26124	5155.0
26126	5147.4
26127	5163.8
26133	5146.6

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 9 of 13)

Well ID	Water Level Elevation
26143	5175.9
26145	-999.9
27002	5095.3
27003	5098.0
27004	5093.9
27005	5094.1
27006	5094.2
27007	5095.2
27008	5095.3
27009	5095.7
27010	5093.1
27011	5093.3
27012	-999.9
27013	-999.9
27015	-999.9
27016	5145.6
27017	5148.4
27018	5148.0
27019	-999.9
27024	5126.1
27025	5126.3
27026	5125.8
27028	-999.9
27030	5140.4
27031	5119.2
27032	-999.9
27034	-999.9
27037	5103.6
27040	5121.3
27041	5114.0
27042	5107.0
27043	5104.4
27044	5100.5
27045	5094.7
27050	-999.9
27051	5128.8
27053	5103.2
27056	-999.9
27059	-999.9
27062	5093.8
27063	5094.1
27064	5094.1
27066	5094.7
27068	5094.2
27070	5094.8
27071	5095.1
27072	5096.2
27073	5097.8

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 10 of 13)

Well ID	Water Level Elevation
27074	5097.1
27075	5096.2
27076	5096.0
27077	5095.7
27078	-888.8
27079	5119.8
27080	5120.0
27082	5111.5
27083	5102.6
28002	5096.2
28003	5096.2
28004	5097.0
28005	5097.6
28006	5097.9
28007	5098.6
28008	5098.9
28009	5099.6
28011	5100.2
28012	5100.5
28013	5100.8
28014	5100.6
28015	5101.4
28018	5101.9
28020	5101.9
28021	5101.9
28022	5103.8
28023	5098.3
28024	5098.3
28027	5101.4
28503	5108.1
28513	5105.2
30002	5171.0
30003	-999.9
30009	5197.3
31003	5231.9
31005	5202.4
31009	5216.6
32001	5233.0
33001	5115.4
33002	5118.7
33014	5102.9
33017	5118.1
33018	5102.8
33019	5103.0
33020	5102.1
33021	5102.9
33022	5103.0
33023	5103.2

RMA_Data_Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 11 of 13)

Well_ID	Water Level Elevation
33024	5103.0
33025	5102.0
33030	5116.7
33033	5110.0
33048	5099.2
33049	5100.1
33050	5101.2
33051	5102.0
33052	5102.2
33053	5102.0
33054	5102.0
33060	5107.8
33061	5107.9
33062	5106.5
33063	5106.9
33064	5111.7
33065	5111.8
33066	5111.4
33067	5111.2
33068	5111.3
33069	5111.4
33070	5103.2
33071	5102.7
33072	5101.6
33073	5101.7
33077	5106.6
33500	5109.8
33501	5118.0
33502	5113.1
33505	5104.0
33506	5103.5
33507	5102.7
33508	-999.9
33509	5103.9
33510	5107.5
33511	5107.8
33512	5107.9
33533	5102.5
33534	5103.1
33576	5115.2
33577	5107.1
33579	5103.9
33580	5103.0
33581	5104.6
33582	5104.0
33583	5108.3
34001	5167.0
34002	5122.0

RMA Data Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 12 of 13)

Well ID	Water Level Elevation
34005	5116.1
34008	5110.9
34515	5120.7
35006	-999.9
35007	5189.0
35018	5188.9
35023	5233.8
35025	5228.5
35026	5225.1
35031	-999.9
35034	-999.9
35037	5167.2
35040	5166.2
35047	5215.6
35048	5219.2
35052	5240.5
35053	5240.1
35058	5182.6
35061	5222.0
35065	5220.3
35069	5220.8
36001	5252.7
36013	5227.6
36017	5227.3
36050	5254.3
36054	5252.4
36060	5242.4
36063	5230.9
36065	5238.0
36067	5235.3
36073	5233.6
36074	5236.7
36075	5245.9
36076	5240.1
36077	5224.0
36081	5229.8
36082	5231.3
36084	5231.3
36085	5231.2
36087	5249.7
36089	5230.0
36091	-999.9
36093	5230.6
36103	-999.9
36109	5243.9
36112	5219.4
36137	5221.1
36141	5222.4

RMA_Data_Base

Wells used to construct the Third Quarter FY 1987 water table contour map. (Page 13 of 13)

Well_ID	Water Level Elevation
36142	5223.0
36145	5228.5
36147	5217.9
37307	5127.4
37308	5123.1
37309	5119.5
37312	5133.2
37313	5106.2
37320	5101.5
37327	5115.9
37330	5093.0
37331	5093.0
37332	5087.2
37333	5087.5
37334	5091.9
37335	5089.5
37336	5073.4
37337	5068.3
37338	5129.7
37339	5121.3
37340	5102.8
37341	5070.5
37342	5099.8
37343	5106.3
37344	5089.7
37345	5078.0
37346	5080.5
37348	5057.6
37349	5045.4
37350	5041.1
37351	5055.2
37352	5042.6
37353	5036.3
37354	5033.3
37355	5039.9
37356	5019.1
37357	5017.4
37358	5094.7
37359	5085.5
37360	5081.7
37361	5063.0
37362	5129.7
37364	5002.9
37366	5296.9

CDM Data Base

CDM wells used to generate the Third Quarter FY 1987 Water Table Contour Map. (Page 1 of 3)

Well_ID	Water Level Elevation
005	5125
008	5124
020	5125
025	5150
028	5153
031	5135
033	5101
034	5110
038	5113
045	5141
046	5115
048	5126
051	5125
052	5103
053	5105
056	5140
060	5146
063	5168
068	5106
071	5132
073	5139
076	5139
5461 Magnolia	5173
5471 Magnolia	5172
6871 Monaco	5131
7060 Holly	5121
7080 Kearney	5125
7091 Leyden	5125
7382-82PL	5104
CSF-101	5132
CSF-107	5133
CSF-110	5143
FIT-IM-MW-1	5174
FIT-IM-MW-2	5156
FIT-IM-MW-3	5156
FIT-IM-MW-4	5153
FIT-IM-MW-4B	5153
FIT-IM-WP-1	5175
FIT-IM-WP-2	5155
FIT-MW-1	5220
FIT-MW-10	5192
FIT-MW-11	5190
FIT-MW-12	5183
FIT-MW-2	5217
FIT-MW-3	5208
FIT-MW-4	5202
FIT-MW-5	5191

CDM Data Base

CDM wells used to generate the Third Quarter FY 1987 Water Table Contour Map. (Page 2 of 3)

Well ID	Water Level Elevation
FIT-MW-6	5192
FIT-MW-7	5188
FIT-MW-8	5178
FIT-MW-9	5199
HRS-10	5099
HRS-11	5097
HRS-12	5095
HRS-46	5139.3
HRS-48	5144
HRS-51	5239.2
HRS-55	5133
HRS-59	5141
HRS-69	5169
HRS-70	5143
HRS-72	5124
HRS-80	5120
HRS-85	5106
HRS-86	5102
LI-GW-4	5111
LI-GW-5	5110.8
MA-MW-1	5113
MA-MW-2	5112
MA-MW-3	5110
MA-MW-4	5110
NMW-1	5156
NMW-10	5156
NMW-15	5149
NMW-16	5147
NMW-17	5147
NMW-18	5147
NMW-19	5155
NMW-2	5156
NMW-20	5156
NMW-21	5156
NMW-22	5156
NMW-23	5155
NMW-24	5156
NMW-3	5156
NMW-4	5156
NMW-5	5155
NMW-6	5154
NMW-7	5154
NMW-9	5152
TAPS-004	5147
TAPS-021	5147
TAPS-031	5152
TAPS-046	5178
TAPS-049	5171

CDM Data Base

CDM wells used to generate the Third Quarter FY 1987 Water Table Contour Map. (Page 3 of 3)

Wall_ID	Water Level Elevation
TAPS-061	5121
TAPS-073	5104
TAPS-082	5094
TAPS-104	5123
TAPS-126	5121
TAPS-128	5099
TAPS-170	5099

TIME AVERAGED WATER TABLE MAP DATA

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 1 of 12)

Well_ID	Water Level Elevation
01001	5250.2
01002	5248.0
01003	5249.3
01004	5248.5
01008	5248.6
01010	5256.4
01011	5257.6
01017	5254.1
01020	5244.8
01021	5247.6
01024	5234.8
01027	5249.9
01033	5249.5
01038	5246.7
01041	5248.0
01044	5248.3
01049	5246.4
01501	5259.3
01513	5257.4
01514	5259.8
01518	5259.7
01527	5259.4
01528	5256.5
02001	5221.4
02002	5235.4
02008	5195.3
02011	5207.0
02014	5194.8
02017	5240.4
02020	5220.2
02023	5222.4
02026	5221.9
02034	5226.7
02037	5219.6
02040	5213.8
02049	5192.3
02520	5194.1
02546	5246.5
03001	5134.5
03002	5129.2
03005	5174.8
03516	5125.0
03517	5125.2
03518	5125.6
03519	5146.9
03521	5172.4
03522	5132.2
03523	5140.8
04007	5121.3

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 2 of 12)

Well ID	Water Level Elevation
04010	5127.1
04013	5122.9
04017	5124.1
04019	5124.6
04021	5122.3
04024	5121.6
04026	5127.0
04038	5119.7
04042	5136.6
04044	5132.0
04524	5138.6
04525	5139.4
06001	5234.4
06002	5249.8
06003	5235.0
07001	5285.1
07003	5276.2
09001	5143.4
09002	5143.5
09005	5153.0
09006	5151.7
09007	5154.2
09008	5171.9
09010	5141.0
09011	5148.7
11002	5235.9
11005	5225.7
11006	5220.1
11007	5228.5
12001	5274.9
12002	5255.2
12005	5247.3
12007	5245.5
12008	5246.8
12009	5247.6
19001	5168.6
19004	5158.3
19008	5165.0
19009	5179.2
19010	5173.4
19014	5164.9
20001	5158.7
22001	5111.0
22003	5093.0
22004	5106.6
22007	5107.9
22008	5092.9

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 3 of 12)

Well_ID	Water Level Elevation
22009	5093.2
22010	5092.9
22011	5111.8
22012	5144.4
22014	5143.1
22015	5089.1
22016	5088.9
22017	5089.3
22018	5089.5
22019	5092.7
22025	5110.9
22029	5112.2
22034	5092.7
22035	5091.6
22036	5093.1
22044	5107.6
22045	5093.8
22049	5110.4
22050	5106.4
22051	5092.4
22052	5091.0
22053	5090.8
22054	5112.6
22059	5089.0
22060	5106.2
23002	5143.5
23003	5143.8
23004	5142.5
23006	5143.8
23007	5143.5
23008	5143.9
23009	5142.2
23010	5141.1
23011	5141.8
23012	5142.3
23013	5143.7
23014	5143.3
23015	5143.4
23016	5143.5
23033	5141.9
23036	5143.3
23037	5147.6
23038	5116.5
23039	5121.1
23040	5129.0
23050	5142.9
23051	5142.8
23052	5142.7

RMA_Data_Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 4 of 12)

Well_ID	Water Level Elevation
23057	5141.3
23058	5142.5
23059	5147.1
23063	5132.2
23064	5126.8
23065	5117.6
23066	5114.7
23067	5145.2
23072	5142.4
23073	5142.8
23079	5142.9
23082	5143.0
23084	5142.3
23085	5141.5
23094	5143.3
23095	5143.6
23096	5142.6
23101	5143.0
23102	5143.2
23107	5143.5
23108	5143.1
23109	5145.5
23110	5129.7
23111	5131.8
23115	5139.6
23124	5134.9
23128	5146.3
23129	5149.0
23130	5145.4
23131	5147.3
23132	5145.7
23135	5145.7
23136	5149.1
23137	5149.4
23140	5143.3
23141	5146.2
23142	5143.2
23143	5143.4
23147	5144.3
23148	5141.2
23149	5148.3
23150	5141.4
23151	5141.5
23160	5141.3
23166	5135.3
23179	5143.4
23188	5143.3
23191	5143.3

RMA_Data_Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 5 of 12)

Well_ID	Water Level Elevation
23196	5123.5
23197	5126.0
23198	5128.8
23205	5139.4
23206	5139.7
23207	5140.7
23208	5141.2
23211	5141.0
24001	5142.2
24002	5143.9
24003	5147.1
24006	5132.3
24007	5141.7
24008	5142.2
24008	5142.9
24010	5142.9
24011	5145.2
24023	5141.4
24026	5133.8
24027	5143.2
24028	5147.1
24042	5141.6
24048	5142.1
24049	5142.2
24052	5142.2
24053	5143.0
24054	5142.5
24055	5142.6
24064	5151.8
24065	5254.1
24066	5129.3
24067	5115.4
24081	5165.0
24084	5166.5
24085	5165.9
24088	5161.6
24092	5141.7
24093	5154.2
24094	5156.7
24095	5157.3
24096	5151.0
24097	5159.7
24098	5148.1
24099	5144.8
24100	5144.0
24101	5141.1
24102	5141.7

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 6 of 12)

Well ID	Water Level Elevation
24103	5141.9
24104	5142.2
24105	5142.4
24106	5144.4
24107	5148.9
24110	5146.4
24111	5159.2
24112	5161.4
24113	5142.2
24114	5141.2
24115	5141.8
24116	5141.8
24117	5140.4
24121	5144.1
24122	5157.0
24123	5157.1
24158	5150.2
24161	5132.1
24163	5133.6
24164	5133.7
24166	5129.4
24169	5133.5
24173	5131.8
24176	5132.1
24177	5137.1
24178	5139.1
24179	5138.8
24180	5138.6
24181	5138.4
24183	5135.9
24185	5138.7
24186	5137.6
24188	5137.9
25001	5193.9
25002	5251.0
25003	5152.9
25011	5181.4
25015	5161.5
25018	5166.8
25022	5214.1
25030	5188.0
25035	5230.4
25038	5191.7
26001	5144.9
26002	5150.7
26004	5159.9
26005	5159.3

RMA_Data_Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 7 of 12)

Well_ID	Water Level Elevation
26006	5159.0
26007	5153.2
26008	5146.5
26009	5145.5
26010	5163.6
26011	5146.6
26012	5173.0
26014	5146.5
26015	5146.3
26016	5146.6
26017	5147.0
26018	5146.6
26020	5149.9
26026	5159.1
26036	5149.1
26039	5146.8
26040	5147.8
26044	5145.4
26045	5146.2
26046	5145.6
26048	5150.6
26049	5151.6
26050	5158.3
26062	5164.8
26065	5164.0
26068	5160.2
26070	5165.0
26073	5177.5
26076	5152.3
26078	5150.0
26083	5151.2
26085	5180.7
26088	5142.9
26091	5159.1
26092	5149.7
26093	5164.9
26124	5155.4
26125	5146.9
26127	5164.6
26133	5147.0
26143	5175.9
26145	5140.9
27001	5093.2
27002	5094.8
27003	5098.1
27004	2093.7
27005	5094.2
27006	2094.2

RMA_Data_Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 8 of 12)

Well_ID	Water Level Elevation
27007	5095.1
27008	5095.8
27009	5095.5
27010	5093.2
27011	5093.2
27012	5147.6
27013	5144.8
27014	5147.9
27015	5147.9
27016	5145.8
27017	5148.1
27018	5148.3
27019	5148.6
27024	5125.8
27025	5126.2
27026	5125.0
27027	5124.6
27028	dry
27029	5124.9
27030	5122.1
27031	5108.7
27032	dry
27034	dry
27035	5111.7
27036	5110.1
27037	5103.4
27040	5120.6
27041	5113.5
27042	5106.6
27043	5104.2
27044	5100.3
27050	dry
27051	5128.0
27053	5101.9
27056	5098.7
27059	5127.6
27062	5094.4
27063	5094.2
27072	5096.3
27073	5098.4
27074	5097.1
27075	5096.4
27076	5096.0
27077	5096.0
27078	5095.4
27079	5119.8
27080	5120.1
27081	5119.6

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 9 of 12)

Well_ID	Water Level Elevation
27082	5111.7
27083	5103.0
28002	5096.1
28003	5096.1
28004	5096.9
28005	5097.6
28006	5098.0
28007	5098.4
28008	5098.4
28009	5099.0
28010	5099.3
28011	5100.1
28012	5100.4
28013	5100.6
28014	5100.5
28015	5101.1
28016	5101.3
28017	5100.4
28018	5102.1
28019	5102.3
28020	5102.2
28021	5101.9
28022	5103.8
28023	5098.2
28503	5106.1
28513	5104.4
30001	5184.3
30002	5169.6
30003	5207.3
30009	5196.3
31001	5216.2
31003	5232.8
31005	5201.6
31009	5216.9
32001	5232.2
33001	5115.0
33002	5118.2
33011	5103.7
33012	5101.2
33013	5098.1
33014	5103.0
33017	5117.4
33030	5115.6
33033	5110.3
33060	5107.7
33061	5107.1
33062	5106.8

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 10 of 12)

Well_ID	Water Level Elevation
33063	5106.6
33070	5102.9
33071	5102.2
33072	5101.3
33073	5101.1
33077	5106.6
33505	5104.9
33506	5103.2
33507	5101.0
33508	5104.3
33509	5103.6
33510	5107.1
33511	5107.0
33512	5111.2
33580	5102.8
33581	5104.1
33582	5204.8
34001	5167.1
34002	5121.9
34005	5115.5
34008	5110.3
34515	5120.5
35001	5223.8
35002	5221.8
35006	5191.4
35007	5189.1
35018	5189.5
35020	5222.4
35022	5230.6
35023	5233.4
35025	5228.8
35029	5223.6
35031	5175.6
35034	5188.9
35037	5167.7
35040	5166.7
35042	5170.5
35043	5184.0
35045	5218.6
35046	5200.9
35047	5216.4
35048	5218.5
35052	5240.5
35053	5240.0
35058	5181.9

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 11 of 12)

Well_ID	Water Level Elevation
35065	5220.8
35069	5221.2
35075	5220.4
35076	5219.6
36001	5252.3
36013	5227.8
36014	5227.5
36016	5226.3
36017	5227.0
36021	5225.4
36022	5224.7
36041	5231.8
36048	5241.8
36049	5248.3
36050	5251.6
36053	5252.6
36054	5252.2
36058	5250.2
36060	5241.0
36063	5232.0
36065	5237.6
36067	5235.4
36070	5228.5
36073	5233.1
56074	5234.2
36075	5246.4
36076	5239.4
36077	5224.3
36080	5230.6
36081	5229.8
36082	5230.0
36084	5231.7
36085	5230.3
36087	5250.3
36088	5229.4
36089	5230.4
36091	5231.9
36093	5230.5
36101	5230.4
36103	5231.7
36109	5247.3
36112	5220.3
36135	5227.5
36137	5221.5
36141	5223.0
36142	5223.4
36145	5228.6
37304	5120.8

RMA Data Base

Water level information used to construct the Time Averaged Water Table Map 1981-1987. (Page 12 of 12)

Well_ID	Water Level Elevation
37308	5123.4
37309	5119.8
37313	5105.1
37321	5100.9
37323	5118.4
37327	5115.5
37330	5093.7
37331	5093.8
37333	5089.6
37334	5092.6
37335	5090.7
37336	5075.4
37337	5055.5
37339	5121.7
37340	5103.1
37341	5071.3
37342	5100.5
37343	5105.3
37344	5090.6
37345	5076.0
37346	5080.2
37347	5064.6
37348	5058.5
37349	5047.2
37350	5042.6
37351	5055.6
37352	5043.8
37353	5036.5
37354	5033.7
37355	5039.7
37356	5017.9
37357	5017.0
37358	5094.7
37360	5081.4
37361	5062.8
37363	5036.8
37364	5001.7
37366	5296.7
37369	5120.2
37370	5110.0
37373	5109.3
37374	5108.9
37377	5112.4
37378	5112.2
37385	5085.1

Chen & Associates Data Base

Wells used to construct the Time Averaged Water Table Map (1981-1987). Water level information Chen & Associates' Stapleton data. (Page 1 of 1)

Well ID	Water Level Elevation
07006	5266.1
07012	5278.0
07013	5283.0
07014	5302.0
08007	5278.7
08008	5287.6
08010	5294.0
08013	5303.9
08015	5296.4
08017	5302.2
11009	5208.1
11011	5222.0
11012	5228.5
11013	5228.5
11014	5240.7
11015	5238.5
11016	5211.8
11017	5235.0
11018	5245.7
11019	5250.1
12010	5239.6
12012	5247.4
12014	5255.0
12015	5268.6
12016	5258.9
12017	5247.4
12020	5257.2
12022	5270.5
12023	5275.7

MKE_Data_Base

Additional wells used for the Time Average Water Table Map 1981-1987. MKE water level information. (Page 1 of 1)

Well_ID	Elevation
01004	5065
01019	5040
01023	5032
02002	5040
02010	5039
03003	5015
03007	5013
04001	5014
04001	5298
04601	5283
09001	5287
09006	5045
09008	5032
09026	5047
09603	5294
10002	5228
11005	5070
11015	5073
11016	5077
11017	5078
17001	5132
35003	5014
35010	5019
36002	5045
36012	5020
36014	5030

CDM Data Base

Additional water level information used to construct Time Average Water Table Map 1981-1987 (CDM data). (Page 1 of 2)

Well_ID	Water Level Elevation
FIT-MW-12	5183
FIT-MW-2	5217
FIT-MW-3	5208
FIT-MW-4	5202
FIT-MW-5	5191
FIT-MW-6	5192
FIT-MW-7	5188
FIT-MW-8	5178
FIT-MW-9	5199
SAC-MW-2	5119
SAC-MW-3	5132
SAC-MW-4	5152
SAC-MW-5	5173
SAC-MW-6	5170
SAC-MW-8	5155
SAC-MW-9	5203
SC-15B	5158
SC-16B	5158
NMW-10	5156
NMW-15	5149
NMW-16	5147
NMW-17	5147
NMW-18	5147
NMW-19	5155
NMW-2	5156
NMW-20	5156
NMW-21	5156
NMW-22	5156
NMW-23	5155
NMW-24	5156
NMW-3	5156
NMW-4	5156
NMW-5	5155
NMW-6	5154
NMW-7	5154
NMW-9	5152
SAC-MW-1	5097
SAC-MW-11	5136
DC-GW-1	5217
DC-GW-3	5192
FIT-IM-MW-1	5174
FIT-IM-MW-2	5156
FIT-IM-MW-3	5153

CDM Data Base

Additional water level information used to construct Time Average Water Table Map 1981-1987 (CDM data). (Page 2 of 2)

Well ID	Water Level Elevation
FIT-IM-MW-4	5153
FIT-IM-MW-4B	5153
FIT-IM-WP-1	5175
FIT-IM-WP-2	5155
FIT-IM-WP-3	5155
FIT-MW-1	5220
FIT-MW-10	5192
FIT-MW-11	5190

APPENDIX B.3: DENVER FM WATER LEVEL DATA

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone A. (Page 1 of 2)

Well ID	3rd Quarter FY 1987 Water Level Elevation
30004	5195.4
29002	5214.8
25008	5182.1
25033	5182.3
25036	Dry
25025	Dry
25023	5215.1
25004	5200.5
35024	5233.8
35055	5232.4
35073	5238.1
35015	5239.7
35071	5241.8
36117	5247.1*
36121	5195.4
36146	5227.5
36105	5216.2
36110	5243.7
36066	5230.9
36119	5239.0
31007	5199.5
31011	5222.4
32002	5224.0
06004	5233.9
06005	5234.0
01040	5239.7
01034	5241.3
01035	5241.6
01032	5241.9
01042	5241.0
01045	5245.6
01050	5244.9
01028	5244.5
01025	5234.2
01022	5246.2
02047	5243.7
02004	5244.5
02045	5245.5
02043	5240.3
02018	5228.2
02030	5244.0
02038	5220.9

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone A. (Page 2 of 2)

Well ID	3rd Quarter FY 1987 Water Level Elevation
02024	5229.5
02035	5227.5
02032	5238.1
11004	5226.4
12004	5244.5

* = Elevated water level

Wells 36116, 35054, 02044, 02041, and 02019 exhibited water levels between those of zone A and lu. Well 01031 exhibited water a level between that of the alluvium and the A zone. Well 02021 and 08005 exhibited water levels representative of the lu.

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 1u (Page 1 of 1)

Well ID	3rd Quarter FY 1987 Water Level Elevation
25028*	5181.0
25024	5202.3
25039	5193.2
30006	5184.2
30005	5180.6
29003	5175.7
26097	5183.8
26054	5199.2
26056	5187.1
26063	5183.8
26064	5174.4
26096	5189.0
35012	5190.5
35016	5190.6
35009	5194.5
35050*	5202.0
35051	5201.8
35005	5178.6
35067	5205.6
35070	5212.5
35062*	5214.4
35059	5182.4
35056	5199.0
36147	5217.9
36083	5223.5
36104	5225.8
36061	5290.1
31008	5194.9
01029*	5222.3
01023	5229.0
02048	5204.4
02046	5149.8
02042	5200.1
02015	5185.2
02039	5206.0
02031	5203.3
02025	5209.2
02036	5214.2
02033	5214.5
02021*	5217.3
02028	5127.6
02012	5207.2
08005	5249.8

* Wells 35050, 02021, 01029, and 35062 are screened in the AL above the LA, which is fractured and connects these AL's with the 1u.

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 1. (Page 1 of 1)

Well ID	3rd Quarter FY 1987 Water Level Elevation
19017	5165.8
19007	5155.7
19003	5164.7
19001	5170.1
24108	5153.4
24089	5160.0
24087	5168.1
24086	5166.6
24083	5166.0
24082	5165.6
24125	5162.5
24080	5160.6
24124	5158.7
23016	5142.9
30007	5167.5
30010	5192.8
25009	5175.3
25037	5179.6
25012	5182.5
25007	5180.7
25040	5192.5
26123	5156.9
26019	5149.7
26022	5150.5
26023	5150.2
26026	5156.5
26071	5158.3
26066	5162.2
26053	5170.5
26128	5165.5
26052	5166.8
26140	5165.8
26144	5170.5
26075	5168.8
26086	5173.3
26057	5182.9
26058	5187.3
36079	5195.1
35032	5168.9
35038	5166.3
35036	5178.5
35017	5189.3
34012	5161.2

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 2. (Page 1 of 2)

Well ID	3rd Quarter FY 1987 Water Level Elevation
19018	5163.0
19002	5169.7
19015	5166.9
24182	5137.6
24167	5134.1
24127	5139.9
24135	5139.7
24184	5139.5
23204	5132.6
23203	5130.1
23202	5129.9
23177	5135.7
23144	5138.8
23182	5113.6
23186	5129.0
23189	5142.0
23181	5142.3
30011	5187.4
25019	5164.2
25016	5155.9
25017	5153.6
25010	5170.6
25013	5178.6
26043	5145.5
26046	5138.0
26082	5146.8
26084	5149.4
26141	5154.8
26134	5152.4
26072	5152.7
26077	5150.9
26079	5149.0
26067	5153.2
26061	5145.8
26089	5143.6
26069	5153.5
26060	5153.7
26092	5151.1
26094	5152.3
27094	5152.3
27049	5141.8
32003	5186.6
36114	5192.6
35068	5193.0
35033	5162.5
35039	5145.0
35041	5145.8

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 2. (Page 2 of 2)

Well ID	3rd Quarter FY 1987 Water Level Elevation
34006	5116.8
01048	5199.5
02013	5183.5
02009	5177.8
03006	5166.9
09003	5140.9
37387	5119.6
37323	5118.8

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 3. (Page 1 of 1)

Well ID	3rd Quarter FY 1987 Water Level Elevation
37371	5110.0
37379	5107.3
19016	5147.1
37376	5129.8
24120	5141.9
24136	5139.8
24168	5134.0
24174	5134.9
23161	5127.8
23209	5136.7
23190	5142.0
23192	5141.6
23200	5130.4
22027	5108.6
37382	5086.6
30008	5156.8
26138	5148.4
25080	5145.0
26142	5154.5
26090	5144.4
26147	5134.8
28030	5102.0
34009	5111.1
34003	5121.7
03003	5130.9
27057	5098.4

ESE Data Base

Water level information used to construct the Potentiometric Surface Map. Denver Fm Zone 4. (Page 1 of 1)

Well ID	3rd Quarter FY 1987 Water Level Elevation
37372	5109.7
37388	5102.2
37317	5106.3
37380	5106.8
37365	5105.5
24159	5147.9
24137	5138.3
24175	5136.0
23169	5133.3
23183	5112.2
23187	5120.7
23201	5129.7
22002	5095.7
22028	5102.3
22030	5099.2
22023	5091.5
26135	5152.8
27054	5071.5
28028	5099.8
34004	5121.0
34007	5117.0
34010	5111.2
33015	5108.3
33016	5113.0
33034	5110.0

APPENDIX B.4: ALLUVIAL AND DENVER FM AQUIFER TEST DATA

ALLUVIAL SLUG TESTS

[illegible] TESTS IN ALLUVIUM (SORTED)   [illegible]   04-18-88

INDEX OBJECT	DESIGNATION BORING	DESIGNATION R/R	SECTION	UTM COORDINATES EASTING	UTM COORDINATES NORTHING	SCREENED INTERVAL TOP (ft.BGS)	SCREENED INTERVAL BOTTOM (ft.BGS)	TEST TYPE	HYDR COND (X 10-4 cm/s)	HYDR COND (cm/s)	LOG HYDR COND	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/ft)	REFERENCE
[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	Fh	7.41	7.4E-04	-3.130			BROUGHTON ET AL (1979)
[illegible]	[illegible]	[illegible]	19	514779.8	[illegible]	27.8	[illegible]	Rh	19.1	1.9E-03	-2.719	34.5	1397	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	19	514931.6	4411623.2	27.0	48.0	RH	1.74	1.7E-04	-3.759	36.6	135	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	19	[illegible]	4411829.8	[illegible]	21.0	NT				0.3		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	19	[illegible]	[illegible]	17.6	21.6	Rn	28.2	2.8E-03	-2.550	13.6	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	19	[illegible]	[illegible]	[illegible]	39.0	Rn##	6.02	6.0E-04	-3.220	13.9	177	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	19	[illegible]	[illegible]	20.1	[illegible]	Rh	1.62	1.6E-04	-3.790	18.2	63	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	19	[illegible]	[illegible]	[illegible]	[illegible]	NT						ZEBELL (1979)
[illegible]	[illegible]	[illegible]	19	[illegible]	[illegible]	[illegible]	[illegible]	NT						ZEBELL (1979)
[illegible]	[illegible]	[illegible]	19	[illegible]	[illegible]	[illegible]	34.9	NT						ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT						ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				9.6		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				7.8		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.5	4.5E-04	-3.347	12.7	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				3.9		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-2.876	6.2	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	39.5	[illegible]	[illegible]	6.1	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.2	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				[illegible]		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				[illegible]		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				[illegible]		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				5.1		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14.4	6	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16.6	15	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11.8	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15.9	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				11.7		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16.9	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13.9	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16.8	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.4	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.1	[illegible]	[illegible]	[illegible]	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				25.9		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19.7	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				[illegible]		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	***	***	NT				23.4		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18.6	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.84	7.8E-04	-3.106	22.5	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	NT				[illegible]		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.7	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Fh	[illegible]	[illegible]	-1.523	14.3	15775	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.24	8.2E-04	[illegible]	21.7	379	ZEBELL (1979)
48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.3	[illegible]	[illegible]	[illegible]	[illegible]	ZEBELL (1979)

[illegible]   UPDATED: [illegible]

WELL NUMBER	DESIGNATION LOCAL	DESIGNATION RMA	SECTION	UTM COORDINATES EASTING	UTM COORDINATES NORTHING	SCREENED INTERVAL TOP (ft.BGS)	SCREENED INTERVAL BOTTOM (ft.BGS)	TEST TYPE	HYDR COND (x 10-4 cm/s)	HYDR COND (cm/s)	LOG HYDR COND	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/ft)	REFERENCE
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	23.5	[illegible]	Rm	46.8	4.9E-03	-2.312	13.2	1366	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	4412855.1	27.8	[illegible]	Rm	4.56	4.9E-04	-3.312	15.5	150	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	17.8	[illegible]	Rh	[illegible]	1.4E-02	-1.843	16.8	3658	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	22.6	[illegible]	Fm	[illegible]	7.0E-07	-6.155	22.7	0	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	AT				25.1		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	15.0	Rm	[illegible]	2.2E-02	-1.654	12.6	6925	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	Rm	15.3	1.5E-03	-2.815	14.4	467	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	35.6	AT				15.9		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	11.5	[illegible]	AT						ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	47.8	50.1	AT						ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	11.5	AT						ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	AT				1.7		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	Rm	44.2	4.4E-03	-2.358	[illegible]	2915	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	27.6	45.0	Rm	[illegible]	4.3E-03	-2.373	21.7	1445	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	4412778.5	27.2	[illegible]	Rh	[illegible]	2.9E-05	-4.536	[illegible]	15	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	1.1E-02	-1.975	17.5	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	22.6	[illegible]	AT				22.9		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	12.0	15.6	AT				15.7		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	27.4	45.4	Fm	[illegible]	1.6E-03	-2.785	3.6	164	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	AT				6.5		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	22.9	[illegible]	Fm	[illegible]	[illegible]	-4.431	[illegible]	4	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	22.4	40.4	Fm	2.35	2.4E-04	-3.627	5.2	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	23.5	44.5	Rm	52.6	5.3E-03	-2.279	15.5	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	27.4	[illegible]	Fm	[illegible]	1.3E-02	-1.883	16.7	4537	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	AT				22.7		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	157	1.7E-02	-1.773	15.5	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	23.5	[illegible]	AT				2.4		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	40.0	44.3	Fm	3.75	3.8E-04	-3.426	2.7	18	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	35.7	3.7E-03	-2.435	2.5	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	44.0	Fm	59.9	6.0E-03	-2.222	2.5	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	1.2E-02	[illegible]	3.4	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	41.8	51.8	Fm	[illegible]	7.7E-05	-4.114	3.6	6	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	50.6	[illegible]	Fm	17.9	1.8E-03	-2.747	9.2	349	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	[illegible]	[illegible]			GOFF ET AL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	[illegible]	[illegible]			GOFF ET AL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	[illegible]	[illegible]			GOFF ET AL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	[illegible]	[illegible]			GOFF ET AL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	9.7E-04	[illegible]			GOFF ET AL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	[illegible]	[illegible]			GOFF ET AL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	4.4E-05	-4.359			GOFF ET AL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	[illegible]	-5.081			GOFF ET AL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	35.4	45.4	Fm	[illegible]	5.1E-05	-4.294	[illegible]	[illegible]	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	45.0	Fm	3.12	3.1E-04	-3.506	[illegible]	27	ZEBELL (1979)
[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	AT				1.9		ZEBELL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	[illegible]	-2.951	6.5	22	BROUGHTON ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.4	Fm	[illegible]	1.6E-04	-3.796	5.6	17	BROUGHTON ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	2.1E-04	[illegible]	[illegible]	56	BROUGHTON ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Fm	[illegible]	5.9E-04	[illegible]	[illegible]	137	BROUGHTON ET AL (1979)

SLUG TESTS IN ALLUVIUM (ESP ED) UPDATE: 06-03-85

INDEX NUMBER	DESIGNATION ESTATE	PMA	SECTION	NTM COORDINATES EASTING	NORTHING	SCREENED INTERVAL TOP (ft.MSL)	BOTTOM (ft.MSL)	TEST TYPE	AQUIFER COND (ft**2/s)	WATER COND (cm/s)	LOSS COEF	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/ft)	REFERENCE
97	722	36121	35	512844.7	4419424.3	17.2	20.6	FH	7.73	7.8E-04	-0.109	4.1	48	BRIGHTON ET AL (1979)
98	723	36042	35	511627.8	4419635.0	27.0	35.0	FH	11.9	1.2E-03	-2.924			BIRD ET AL (1979)
99	726	36055	36	517498.6	4413498.0	17.6	21.0	SLUG	49.2	4.6E-03	-2.576	6.7	567	BRIGHTON ET AL (1979)
100	730	36034	36	514267.1	4415958.7	16.3	21.7	SLUG	50.1	7.6E-03	-2.521			BRIGHTON ET AL (1979)
101	731	36068	36	513912.9	4415713.9	17.6	21.0	SLUG	1.25	1.3E-04	-3.903	12.1	22	BRIGHTON ET AL (1979)
102	738	36079	36	513355.4	4409078.5	16.8	20.2	SLUG	79	7.6E-03	-2.155	15.3	.2226	BRIGHTON ET AL (1979)
103	739	36077	36	513326.6	4409618.1	17.0	20.4	FH	8.81	8.9E-04	-2.159			BRIGHTON ET AL (1979)
104	741	36082	36	513712.1	4409341.1	16.6	20.0	SLUG	44.5	4.4E-03	-2.351	9.7	311	BRIGHTON ET AL (1979)

COUNT: 75

NOTE: 'NT' INDICATES NO TEST

CONDUCTIVITY STATISTICS

INTERVAL NUMBER	RANGE	LOG MEAN	NUMBER CASES
1	(1)-7	-7	0
2	10-7	-6	1
3	10-6	-5	1
4	10-5	-4	8
5	10-4	-3	24
6	10-3	-2	25
7	10-2	-1	14
8	10-1	0	2
10	>1		0
11	NT		27

TOTAL CASES: 104
NUMBER TESTS: 75
MEAN OF THE LOG: -2.872
GEOMETRIC MEAN: 1.3E-03

ALLUVIAL PUMPING TESTS

DENVER FM SLUG TESTS

UPDATED: 90-10-02

LOCATION				UTM COORDINATES		REFERENCE INTERVAL		TEST TYPE	INTERVAL UNIT NAME	HYDR COND (cm/s)	LOG HYDR COND	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/ft)	REFERENCE
	SITE ID	TOWN	SECTION	EASTING	NORTHING	TOP (ft.BSD)	BOTTOM (ft.BSD)							
	701	21N8	1			16.0	20.0	FR		8.1E-04	-3.092	4.0	8.6	FADDEN ET AL (1979)
	741	21N8	1			17.0	21.0	FR		3.0E-04	-3.517	4.0	3.2	BRODERICK ET AL (1979)
	744	21N8	1			57.0	69.0	FR		1.3E-03	-1.879	12.0	14.4	BRODERICK ET AL (1979)
	745	21N8	2			17.7	21.1	FR		2.1E-04	-3.668	3.5	2.5	BRODERICK ET AL (1979)
	746	21N8	2			71.0	77.4	FR		1.3E-03	-1.756	27.6	1979.8	BRODERICK ET AL (1979)
	903	19N8	19			21.0	73.0	FR		6.6E-04	-3.220	9.0	114.9	ZEBELL (1979)
	904	19N8	19			23.9	33.0	FR		1.2E-03	-2.919	7.1	165.2	ZEBELL (1979)
	7[illegible]	22N8	23			64.7	74.0	FR	SAND #3	1.7E-05	-4.762	7.0	2.6	ESE (1968); MAY ET AL (1980)
	7[illegible]	22N8	23			104.0	113.0	FR	SAND #4	9.2E-06	-5.037	8.0	1.0	ESE (1968); MAY ET AL (1980)
	[illegible]	22N8	23			4[illegible]	54.0	FR	SAND #2	8.1E-05	-4.092	10.0	17.1	ESE (1968); MAY ET AL (1980)
	[illegible]	22N8	23			81.[illegible]	9[illegible]	FR	T	1.6E-07	-6.804	10.0	0.1	ESE (1968); MAY ET AL (1980)
	[illegible]	22N8	23			47.0	51.0	FR	SAND #2	2.4E-05	-4.582	3.0	1.7	ESE (1968); MAY ET AL (1980)
	[illegible]	22N8	23			68.0	78.1	FR	SAND #3	1.7E-04	-3.769	7.0	24.6	ESE (1968); MAY ET AL (1980)
	[illegible]	22N8	23			85.0	107.0	FR	SAND #4	3.9E-05	-4.407	17.0	19.7	ESE (1968); MAY ET AL (1980)
	[illegible]	22N8	23			47.0	51.0	FR-FR	SAND #2	2.4E-05	-4.623	3.0	0.4	ESE (1968)
	[illegible]	22N8	23			61.0	74.1	FR-FR	SAND #3	2.4E-05	-4.623	13.7	5.4	ESE (1968)
	[illegible]	22N8	23			85.0	78.7	FR-FR	SAND #4	1.2E-04	-3.854	13.7	64.3	ESE (1968)
	[illegible]	22N8	23			51.0	59.0	FR-FR	SAND #2	3.0E-05	-4.499	4.0	0.2	ESE (1968)
	[illegible]	19N8	24			44.7	48.7	FR		3.3E-05	-4.527	4.0	0.5	ZEBELL (1979)
	[illegible]	19N8	24			73.0	79.0	FR		1.4E-03	-2.851	9.1	493.9	ZEBELL (1979)
	[illegible]	24N8	24			45.[illegible]	51.0	FR	SAND #2	7.7E-05	-4.113	3.0	0.6	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			51.[illegible]	55.5	FR	T	2.9E-07	-6.541	5.5	0.4	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			46.0	51.0	FR	SAND #2	1.1E-05	-4.959	4.0	1.4	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			7[illegible]	77.0	FR	T	9.8E-06	-5.009	7.0	1.5	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			71.0	75.0	FR	SAND #2	1.2E-03	-1.917	4.0	1126.2	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			51.0	64.[illegible]	FR	SAND #3	1.9E-05	-4.725	13.0	4.9	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			62.0	77.0	FR	SAND #4	9.0E-06	-5.046	15.0	1.9	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			42.0	46.0	FR	SAND #2	3.9E-05	-4.409	4.0	0.9	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			7[illegible]	53.0	FR	T	6.3E-07	-6.201	18.0	22.7	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			25.[illegible]	7[illegible]	FR	SAND #2	1.3E-04	-3.885	5.0	17.7	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			2[illegible]	25.0	FR	SAND #3	7.1E-06	-5.149	5.0	1.3	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			45.0	57.[illegible]	FR	SAND #3	3.9E-05	-4.409	6.[illegible]	9.7	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			7[illegible]	81.[illegible]	FR	SAND #4	3.7E-06	-5.365	6.0	3.7	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			4[illegible]	53.[illegible]	FR	SAND #2	4.2E-04	-3.378	13.0	159.6	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			50.[illegible]	63.[illegible]	FR	SAND #2	1.4E-05	-4.845	13.[illegible]	3.3	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			75.[illegible]	91.0	FR	SAND #3	1.1E-04	-3.959	16.[illegible]	59.0	ESE (1968); MAY ET AL (1980)
	[illegible]	24N8	24			33.[illegible]	44.[illegible]	FR-FR	SAND #2	7.1E-05	-4.156	11.0	16.3	ESE (1968)
	[illegible]	24N8	25			3[illegible]	7[illegible]	FR	[illegible]	4.1E-04	-3.388	4.0	87.6	BRODERICK ET AL (1979); BOFF ET AL (1979)
	[illegible]	24N8	25			75.0	83.[illegible]	FR	[illegible]	1.9E-03	-2.710	24.0	1271.9	BRODERICK ET AL (1979); BOFF ET AL (1979)
	[illegible]	24N8	25			49.[illegible]	61.[illegible]	FR	[illegible]	3.5E-04	-3.456	12.0	59.0	BOFF ET AL (1979)
	[illegible]	24N8	25			99.[illegible]	107.0	FR	[illegible]	1.0E-04	-3.990	8.0	122.6	BOFF ET AL (1979)
	[illegible]	24N8	25			67.0	79.0	FR	[illegible]	7.7E-04	-3.105	12.0	195.5	BOFF ET AL (1979)
	[illegible]	24N8	25			45.[illegible]	54.[illegible]	FR	[illegible]	1.6E-03	-2.778	9.0	195.6	BOFF ET AL (1979)
	[illegible]	24N8	25			90.[illegible]	1[illegible]	FR	[illegible]	1.9E-03	-2.721	12.[illegible]	456.2	BOFF ET AL (1979)
	[illegible]	24N8	25			88.0	99.0	FR	[illegible]	7.2E-04	-3.141	11.0	168.7	BOFF ET AL (1979)
	[illegible]	24N8	25			63.0	81.0	FR	[illegible]	3.2E-05	-4.495	18.0	5.1	BOFF ET AL (1979)
	[illegible]	24N8	25			69.0	74.0	FR	[illegible]	6.6E-04	-3.180	10.0	143.5	BOFF ET AL (1979)
	[illegible]	24N8	25			57.0	69.0	FR	[illegible]	2.3E-03	-2.642	12.0	58.1	BOFF ET AL (1979)

[illegible] UPDATE: [illegible]

WELL NO.	LOCATION	[illegible]	SECTION	UTM EASTING	UTM NORTHING	SCREENED INTERVAL TOP (ft.BGS)	SCREENED INTERVAL BOTTOM (ft.BGS)	TEST TYPE	INTERNAL UNIT NAME	HYD. COND. (cm/s)	LOG HYDR COND	TEST INTERVAL THICKNESS (ft)	TRANSMISSIVITY (gpd/f)	REFERENCE
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-2.571	8.0	361.6	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	5.5E-04	-3.259	[illegible]	233.6	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	91.0	[illegible]	[illegible]	3.9E-04	[illegible]	[illegible]	163.7	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	73.6	[illegible]	[illegible]	[illegible]	-2.915	10.6	257.6	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	338.4	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	75.0	[illegible]	[illegible]	[illegible]	-2.158	27.2	2268.8	NES (1979); BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	1.3E-06	[illegible]	2.4	6.1	NES (1979); BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			5.1E-05	[illegible]	25.3	27.3	NES (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	4.3	NES (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			1.1E-05	-4.978	9.9	4.2	NES (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			8.2E-06	[illegible]	7.0	1.2	NES (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	7.1E-03	-2.149	21.3	[illegible]	NES (1979); BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31.9	[illegible]	NES (1979); BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]			7.6E-06	-5.119	4.7	6.8	NES (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	-4.517	15.8	12.4	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15.7	411.4	[illegible] ET AL (1979); BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.6	[illegible] ET AL (1979); BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	39.4	[illegible]	[illegible]	5.5E-04	[illegible]	27.2	[illegible]	[illegible] ET AL (1979); BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		1.7E-04	-3.767	[illegible]	[illegible]	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		3.7E-05	-4.471	[illegible]	[illegible]	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BGPP ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	7.9	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] ET AL (1979)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ESE (1983)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ESE (1983)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ESE (1983)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12.8	ESE (1983)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5.9	15.7	ESE (1983)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ESE (1983)
[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	ESE (1983)

[illegible]

[illegible] SENSITIVITY STATISTICS

[illegible]	[illegible]	LOG (MW)	NUMBER CASES
1	[illegible]	-7	4
2	[illegible]	-6	2
3	[illegible]	-5	7
4	[illegible]	-4	23
5	[illegible]	-3	31
6	[illegible]	-2	16
7	[illegible]	-1	1
8	[illegible]	0	0
9	[illegible]	[illegible]	0
10	[illegible]	[illegible]	0
11	ALL TEST		-3

TOTAL CASES:	83
ALMISS TESTS:	88
[illegible] OF THE LOG:	-3.963
[illegible] MEAN:	1.1E-04 cm/s
ST DEV OF LOG:	1.2882
LOW + 1 ST DEV:	1.4E-03 cm/s
[illegible] + 1 ST DEV:	8.4E-06 cm/s

DENVER FM PUMPING TESTS

PUMPING TESTS IN DENVER BASIN AND ELSEWHERE — UPDATED: 12-13-95

PUMPED WELL					OBSERVATION WELLS			TEST INTERPRETATION				HYDRAULIC PARAMETERS					KLA		
DESIGNATION		TWP	UTM COORDINATES		NUM DES	DISTANCE RANGE													
SYM	REPORT	SECTION	EASTING (m)	NORTHING (m)	WELLS	MIN (ft)	MAX (ft)	UNIT	S (gpa)	L (ft)	B= (feet) (ft)	T(calc) (gpd/ft)	T(use) (gpd/ft)	K(calc) (cm/s)	K(use) (cm/s)	REF	T (gpd/ft)	b (ft)	K (cm/s)
PUMPING TESTS IN DENVER BASIN/TABLES																			
	ARP-1	2S			12	5	250	DFK	6.3	79	10.1	759	970	3.2E-03	3.1E-03	HAY ET AL (1983)	860	15	2.7E-03
23178	1740	22	512957	4412177	2	45	58	DFK	9.2	29		186	224	5.1E-04	6.5E-04	BLACK & MEATON (1988)	250	17	7.8E-04
23179	1741	24	514067	4412352	3	43	79	DFK	8.7	24		145	240	2.4E-04	5.8E-04	BLACK & MEATON (1988)	170	25.5	3.1E-04
PUMPING TESTS IN DENVER CLAY/TABLES																			
	PB-2	1						DFK	8.9	216			142	1.3E-03		SHEPHERD (1992)			
	PB-3	1						DFK	7.8	216			845	1.2E-03		SHEPHERD (1992)			

APPENDIX C

TASK 44

APPENDIX C.1: SUMMARY OF TASK 44 ACTIVITIES

APPENDIX C

TASK 44

Task 44 was originally intended as a long term monitoring program to sample semiannually and quarterly groups of wells, to monitor water levels, to evaluate data and assess contaminant distributions, to make recommendations to the water monitoring effort of this and other tasks. Many of these original Task objectives were carried out under Task 44 including well network selection, the definition of the analytical schedule, definition of the general scope of work, new well installations, the sampling of the monitoring network, and the monitoring of water levels.

The following section presents a brief summary of original Task 44 objectives and scope-of-work. It also presents the Task 44 sampling network, the analytical suite, and geotechnical program. Detailed information concerning the proposed Task 44 Program is available in the Task 44 Final Technical Plan (ESE, 1988). Data evaluation and interpretive efforts that were originally proposed under Task 44 were ultimately carried out under the Water Remedial Investigation effort and are presented in the main body of the present report.

TASK 44 OBJECTIVES

The necessity of establishing a comprehensive data base for surface and ground water, was recognized as part of the environmental investigation at RMA has been recognized. Task 4 addressed part of this need by providing baseline data to assess contaminant distributions at RMA.

Under Task 4, three rounds of water samples were collected over a 1-year period within RMA to achieve the following objectives:

- Satisfy compliance-oriented regulatory requirements under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the substantive requirements of all applicable or relevant and appropriate Federal and State requirements that have application through CERCLA;

- o Confirm the existence and chemical nature of contamination and monitor any changes in the lateral and vertical extent of contamination; and
- o Develop a core data base for use in upcoming litigation and Remedial Investigation/Feasibility Study analyses for RMA.

Task 44 was developed using the core Task 4 objectives, however, the scope of the task was broadened to address other salient items that were beyond the scope of Task 4.

Task 44 (under Contract No. DAAK-11-84-D-0016) was awarded on March 19, 1987. The objectives of Task 44 as detailed in the Delivery Order are to:

- o Assess the distribution and concentration levels of ground water and surface water contaminants and monitor changes in water quality with respect to these contaminants for both the onpost and offpost areas;
- o Monitor and evaluate changes in water levels;
- o Evaluate data and recommend program modifications to this or other water monitoring tasks; and
- o Identify areas of significant public exposure and make appropriate information available to Tasks 35 and 39.

In order to satisfy the primary goals of the task, certain ancillary objectives were accomplished and incorporated in the WRIR:

- o Utilize available geologic data to further define the current understanding of the geologic conditions present at RMA;
- o Summarize the hydrogeologic conditions in the onpost and offpost areas by integrating existing hydrologic, geologic, and water quality data;
- o Identify the primary hydrogeologic pathways by which contaminants are being transported to the RMA boundary or the offpost area;
- o Evaluate the existing monitoring program for data deficiencies and assess the need for additional wells; and
- o Integrate all data from water related tasks and supply appropriate information to Task 23 efforts including data bases, contaminant distribution maps, and hydrogeologic assessments.

Task 44 established the hydrologic core data base for and provided to the Endangerment Assessment (EA) and Feasibility Study (FS) groups adequate interpretation and characterization of hydrologic, geologic, and geochemical data so that their specified goals can be achieved.

The overall Task 44 program was designed to be dynamic in nature and to be modified, as required, in response to ongoing data evaluation and/or changes in the SOW or task objectives. Task 44 formed the base or trunk hydrologic program, while other efforts (Tasks 25, 36, 38, 39, etc.) represented tributary or branch efforts which satisfied specific individual task needs, as well as augmented the Task 44 program.

PROPOSED SCOPE OF WORK

The scope of the Task 44 water quality/quantity survey included a sampling program of ground-water and surface water that was capable of satisfying the various regulatory requirements. The monitoring program under Task 44 was initially proposed as a semiannual sampling event with quarterly sampling of 43 offpost wells and 12 onpost Basin F wells. However, the proposed semiannual sampling under Task 44 was executed as a one-time-only sampling event during the third quarter FY87. Quarterly sampling of the 55 wells was conducted under Task 44, and monitoring these wells was transferred to the Comprehensive Monitoring Program, which was initiated during the first quarter FY88.

Additional proposed work included development of litigation-quality data for addition to the current data base, and evaluation of the extent and nature of contamination. In order to achieve these objectives, work in six distinct technical areas was initiated. These areas are as follows:

- Review of historical data;
- Develop a monitoring program to achieve the task objectives;
- Execute the monitoring program utilizing litigation-quality sampling and analytical procedures;
- Assess data after the first sampling event for possible adjustments in the sampling and/or analytical scheme;
- Compile and interpret the accumulated data at the end of the sampling program (conducted under the WRI); and

- Coordinate with and integrate data from other current ground water tasks such as Tasks 25, 26, 36, 38, and 39 (conducted under the WRI).

During review of the historical data, a large number of wells were evaluated with respect to construction detail, sampling history, and location. Criteria for evaluating these wells are described in the Final Technical Plan, Task 44 (ESE, 1988).

An assessment of numerous types of data was performed to help design the Task 44 monitoring network. Borehole logs and geologic cross sections were examined to establish a preliminary evaluation of subsurface geology. Water-level data from the Task 4 program were examined to establish directions of ground water flow within the alluvium and to aid in the correlation of permeable units within the Denver Formation. Water-quality information from Task 4 and, as appropriate, from the historical data base were examined to formulate an assessment of the distribution of contaminants within the RMA ground water system. A preliminary assessment of hydrogeologic conditions was used to design the proposed Task 44 well network. A detailed review of well selection methodology is discussed in the Final Technical Plan, Task 44 (ESE, 1988).

All ground water monitoring wells and surface water sampling sites were sampled using uniform sampling methods. Ground water and surface water samples were analyzed for a predetermined list of analytes including numerous organic and inorganic parameters (Table). Sample collection, measurement of field parameters, and analysis of samples were performed in accordance with USATHAMA Quality Assurance/Quality Control (QA/QC) procedures (USATHAMA, 1982, RIC#87048R03). These procedures included collection of field quality control samples and decontamination of all sampling equipment. Collection procedures are presented in the Final Technical Plan, Task 44 (ESE, 1988).

PROPOSED SELECTION OF THE MONITORING NETWORK

The monitoring network was designed using numerous criteria including the following:

- o Available information on well construction;
- o An evaluation of sampling history;
- o Chemical data;
- o Sampling frequency; and
- o Well location.

A detailed description of the network election process is presented in Section 3 of the Task 44 Final Technical Plan (ESE, 1988).

The proposed Task 44 monitoring network for RMA consisted of a total of 311 alluvial, Denver Formation, and offpost wells. Of the 311 wells, 43 are located in the offpost area and 268 wells have either been recently sampled or are proposed for sampling under other RMA tasks or programs as listed below.

- o 186 Task 4 wells (includes 6 wells previously included with Task 38);
- o 43 Offpost wells;
- o 25 Task 25 wells;
- o 11 Task 38 wells; and
- o 46 Historic and recent SCC wells.

311 Wells

Historic wells are those not sampled recently. Specific wells selected for the Task 44 network from other task networks are discussed in a following section.

Except for offpost well locations, all wells were selected utilizing the criteria and methodology described in the Final Technical Plan, Task 44 (ESE, 1988).

3.1.2.2 Offpost Water Quality Monitoring Network

The offpost monitoring network consisted of 43 wells from offpost Task 6 (Contract No. DAAK11-83-D-007) as listed in Table C-1. Well selection criteria were not evaluated in depth for offpost wells because these wells were taken directly from Revision III - 360° Monitoring Program. Of the 43 total offpost wells, 42 are completed in alluvium and one is considered a

Table C-1. Task 44 Offpost Well Network

37305*	37348
37307	37349
37308	37350
37309	37351
37312	37352
37313	37353
37320	37354
37332	37355
37333	37356
37335	37357
37338	37358
37338	37359
37340	37360
37341	37361
37342	37362
37343	37363
37344	37364
37345	37365**
37346	37366
37347	

Also included are the following four alluvial domestic wells:

Boller
XII
XXI
CIII

* Well abandoned.
** Denver Formation well.

Source: ESE, 1988.

Denver Formation well. Offpost and onpost wells were sampled and analyzed using identical procedures. Offpost wells were sampled on a quarterly basis in conjunction with Task 25 and to comply with requirements of the 1975 Cease and Desist Order. Additional monitoring of the Denver Formation offpost was performed under Tasks 25, 36, and 39. These tasks include installation of additional Denver Formation monitoring wells in selected locations.

The onpost monitoring network was subdivided into an alluvial network consisting of 128 wells and a Denver Formation network consisting of 140 wells. These networks are discussed separately below. Onpost sampling was conducted Third Quarter FY87 except for the following 12 wells in the vicinity of Basin F which will be sampled quarterly:

23049	23142	26020	26085
23095	26015	26041	26127
23108	26017	26073	27016

Quarterly sampling was conducted historically for these Basin F wells, and the same sampling schedule was retained in Task 44 efforts to provide consistent sampling frequency.

Alluvial_Well_Network

The alluvial monitoring well network was designed to monitor contaminant distributions in saturated RMA alluvium. One hundred and twenty-eight onpost alluvial wells were selected for the Task 44 program (Table C-2). Many of these wells were recently sampled within the last year under current or previously existing RMA tasks:

Task 4 wells	84
Current Task 25 wells	15
Current Task 38 wells	11
Historical wells	15
Recent Shell Wells	3
Total Task 44 Wells	128

The alluvial monitoring well network is shown in Figure 3.1-3 and summarized by section in Table C-2.

Table C-2. Proposed Onpost Task 44 Monitoring Network, Alluvial Aquifer Wells (Page 1 of 2)

Section	Total Wells	Well Numbers
1	6	017, 020, 021, 024, 027, 041
2	6	008, 011, 014, 020, 034, 037
3	5	002, 005, 008, 518, 523
4	12	007, 010, 014, 021, 024, 027, 030, 038, 041, 042, 044, 045
6	2	002, 003
7	1	001
8	1	003
9	7	002, 005, 006, 008, 010, 011, 013
11	1	002
12	1	002
19	1	001
22	5	006, 021, 049, 051, 059
23	11	004, 029, 039, 049, 058, 095, 108, 142, 179, 188, 191
24	9	092, 101, 106, 107, 111, 112, 113, 158, 185
25	5	011, 015, 018, 022, 038
26	13	006, 011, 015, 017, 020, 041, 073, 076, 083, 085, 088, 127, 133
27	8	003, 005, 016, 040, 051, 053, 062, 074
28	3	022, 023, 027

Table C-2. Proposed Onpost Task 44 Monitoring Network, Alluvial Aquifer Wells (Continued, Page 2 of 2)

Section	Total Wells	Well Numbers
30	1	009
31	1	005
33	8	001, 002, 030, 033, 039, 063, 075, 077
34	7	002, 005, 008, 504, 507, 508, 515
35	7	023, 034, 037, 052, 058, 061, 065
36	7	001, 065, 075, 076, 084, 112, 139

Note:

Task 4 Wells	84
Current Task 25 Wells	15
Task 38 Wells	11
Historic Wells	15
Recent Shell Wells	3
Total Task 44 Wells	128

Source: ESE, 1987

Alluvial wells associated directly with five major potential contaminant sites are as follows:

Potential Contaminant Site	Alluvial Wells
South Plants	15
Basin A/A Neck Area	9
Basins B-E	8
Basin F	25
North Plants	5

A total of 27 alluvial wells in Sections 4, 9, and 33 (western tier) were included in the Task 44 program to provide long-term monitoring of the organohalogen and DBCP contamination associated with the Railroad Classification Yard and potential offpost sources.

Paleochannels may, under some conditions, influence directions of ground water flow and provide contaminant migration pathways that facilitate the spread of contamination. Consequently, an effort was made when selecting wells to choose wells that were situated within paleochannels or as close to paleochannels as possible to intersect potential contaminant migration paths. Approximately 42 wells were selected to investigate the importance of paleochannels at RMA as related to ground water flow contaminant migration. The paleochannels were inferred from the Army/ESE and Shell bedrock surface maps.

A set of five wells (06002, 07001, 08003, 11002, and 12002) was chosen to provide regional background monitoring of the alluvial aquifer. These wells also provide a general indication of alluvial water quality flowing onto RMA along the southern tier. A second set of five wells (06003, 19001, 25011, 30009, and 31005) was chosen to monitor the eastern side of RMA and provide contaminant boundary definition.

Denver Formation Well Network

The Denver Formation monitoring well network includes 140 onpost wells chosen from over 500 onpost wells completed in the Denver Formation. Individual wells in the monitoring network are listed by section in Table C-3. Following examination of Task 4 data, it was determined that the Denver Formation ground water flow and contaminant transport systems were not as well defined as those in the alluvial system. The monitoring network selected includes a larger percentage of Denver wells than were included in the Task 4 network to provide more Denver Formation well data. Additional Denver wells were also selected to provide monitoring in the Denver Formation beneath areas of unsaturated alluvium. Most of the selected Denver Formation wells were recently sampled under other RMA tasks as outlined below:

Current Task 25 wells	10
Task 4 wells	102
Historic wells	28
Total Task 44 Wells	140

The monitoring network attempted to utilize the best existing Denver Formation wells for both upgradient and downgradient monitoring of potential contaminant sites. Wells associated directly with five major potential contaminant sites are as follows:

Potential Contaminant Site	Denver Wells
South Plants	25
Basin A/A Neck Area	17
Basins B-E	13
Basin F	16
North Plants	10

Eight wells from Sections 4, 9, and 33 (western tier) are also included within the Denver well network to provide long-term monitoring of the organohalogen and DBCP contamination associated with the Railroad Classification Yard and potential offpost sources. Available information

Table C-3. Proposed Onpost Task 44 Monitoring Network
Denver Formation Wells (Page 1 of 2)

Section	Total Wells	Well Numbers
1	12	007, 008, 012, 015, 022, 025, 036, 037, 043, 047, 048, 050
2	14	009, 010, 012, 018, 019, 021, 025, 030, 031, 035, 036, 038, 039, 043
3	3	003, 004, 006
4	3	008, 009, 011
5	1	001
6	2	004, 005
7	1	004
8	1	005
9	1	003
11	1	004
12	2	003, 004
19	3	003, 015, 017
22	6	023, 024, 027, 028, 030, 031
23	18	053, 054, 161, 177, 180, 181, 182, 183, 184, 185, 186, 187, 189, 190, 192, 193, 209, 210
24	7	086, 089, 120, 124, 127, 130, 159
25	8	009, 013, 014, 016, 017, 021, 023, 039
26	15	019, 057, 058, 061, 066, 067, 071, 072, 075, 084, 086, 129, 140, 142, 147
27	4	049, 054, 055, 057

Table C-3. Proposed Onpost Task 44 Monitoring Network
Denver Formation Wells (Continued, Page 2 of 2)

Section	Total Wells	Well Numbers
28	2	026, 028
30	1	011
32	1	002
33	4	016, 026, 032, 034
34	3	003, 006, 009
35	13	013, 016, 017, 036, 038, 039, 054, 056, 062, 063, 066, 067, 068
36	14	056, 066, 069, 083, 090, 110, 113, 114, 116, 117, 119, 121, 122, 154

Note:

Current Task 25 Wells	10
Task 4 Wells	102
Historic Wells	28
Total Task 44 Wells	140

Source: ESE, 1988

suggested these contaminants were restricted to the alluvial aquifer, but monitoring of the Denver aquifer was considered warranted to ensure that contamination had not spread to the Denver Formation.

A set of five wells (07004, 08005, 11004, 12003, and 12004) were included in the Task 44 network to provide regional background monitoring of the Denver Formation waters in the Southern Tier. These wells also provide a general indication of Denver Formation water quality flowing onto RMA along the southern tier.

A set of eight wells (05001, 06004, 06005, 19003, 19015, 19017, 30011, and 32002) monitor the eastern sections of RMA. These wells provide background information on Denver Formation water quality.

Cluster configurations were given selection preference in the Task 44 network to investigate vertical differences in hydraulic head in the Denver Formation. Table C-4 lists all wells in the Task 44 network that are present in cluster configurations. A further breakdown by section and major aquifer is given in Table C-5.

PROPOSED ANALYTICAL SUITE

The objectives of the Task 44 chemical analysis program were to provide PMO-RMA with reliable, statistically supportable, and legally defensible chemical data regarding type and level of contamination in surface and ground water at RMA. Task 44 required various analytical techniques to be performed on collected samples to achieve a quantitative determination of water quality. Semiquantitative confirmation of analytes identified by quantitative methods and a semiquantitative identification of nontarget compounds are were included.

The modified schedule of 50 compounds utilized in Task 4 was adopted for Task 44, with the inclusion of benzothiozole and chlordane (C-6). This analytical schedule includes seven organochlorine pesticides, DCPD, methylisobutylketone (MIBK), DIMP, DMMP, DBCP, 6 organosulfur compounds, 5 volatile aromatics, 12 volatile organohalogens, and 15 inorganic parameters (Table C-7). Semiquantitative methods (GC/MS) will be used to screen for 24 purgeable and

Table C-4. Clustered Wells Incorporated in the Proposed Task 44 Monitoring Network+ (Page 1 of 2)

Section	Clusters
1	(021*, 022), (024*, 025), (041*, 043)
2	(008*, 009, 010), (011*, 012), (020*, 021), (034*, 035, 036), (037*, 038, 039)
3	(002*, 003, 004), (005*, 006)
4	(007*, 008, 009), (010*, 011)
6	(003*, 004, 005)
8	(003*, 005)
9	(002*, 003)
11	(002*, 004)
12	(002*, 003, 004)
22	(021*, 023, 024)
23	(179*, 180, 181), (188*, 189, 190), (191*, 192, 193)
24	(158*, 159)
25	(011*, 013, 014), (015*, 016, 017), (022*, 023), (038*, 039)
26	(073*, 075), (083*, 084), (085*, 086), (127*, 129)
27	(053*, 054, 055)
28	(023*, 026), (027*, 028)
30	(009*, 011)
33	(030*, 032), (033*, 034)

Table C-4. Clustered Wells Incorporated in the Proposed Task 44 Monitoring Network* (Continued, Page 2 of 2)

Section	Clusters
34	(002*, 003), (005*, 006)
35	(034*, 036), (037*, 038, 039), (052*, 054), (061*, 062, 063), (065*, 066, 067, 068)
36	(065*, 066), (112*, 113, 114)
Off Post	(37343*, 37365)

* A well cluster is defined as containing at least one alluvial well and one Denver Formation well.

* Alluvial well

Percentage of wells contained in cluster groupings = 36% (111 of 311 wells)

Source: ESE, 1988

Table C-5. Summary of Task 44 Monitoring Wells by Section

Section	Well Total	No. of Clusters*	Alluvial	Denver
1	18	3	6	12
2	20	5	6	14
3	8	2	5	3
4	15	2	12	3
5	1	0	0	1
6	4	1	2	2
7	2	0	1	1
8	2	1	1	1
9	8	1	7	1
11	2	1	1	1
12	3	1	1	2
19	4	0	1	3
20	0	0	-	-
22	11	1	5	6
23	29	3	11	18
24	16	1	9	7
25	13	4	5	8
26	28	4	13	15
27	12	1	8	4
28	5	2	3	2
29	0	0	-	-
30	2	1	1	1
31	1	0	1	0
32	1	0	0	1
33	12	2	8	4
34	10	2	7	3
35	20	5	7	13
36	21	3	7	14
Off Post	43	1	42	1
TOTALS	311	47	170	141

Total alluvial wells as a percentage of Task 44 wells = 55%

* Clusters are defined as containing at least one alluvial well and one Denver Formation well.

Source: EJE, 1988

Table C-6. Chemical Analysis - Task 44 (Page 1 of 2)

Analysis/Analytes	Hold Time	Level of Certification	Reference Methods	Method
Organochlorine Pesticides		Quantitative	EPA 608	CAP-GC/ECD
Aldrin	Extract as quickly as possible. (No more than 7 days). Analyze within 40 days of extraction.			
Endrin				
Dieldrin				
Isodrin				
Hexachlorocyclopentadiene				
p,p'-DDE				
p,p'-DDT				
Chlordane				
Volatile Organohalogens		Quantitative	EPA 601	PACK-GC/Hall
Chlorobenzene	14 days			
Chloroform	14 days			
Carbon Tetrachloride	14 days			
trans-1,2-Dichloroethylene	14 days			
Trichloroethylene (TCE)	14 days			
Tetrachloroethylene	14 days			
1,1-Dichloroethylene	14 days			
1,1-Dichloroethane	14 days			
1,2-Dichloroethane	14 days			
1,1,1-Trichloroethane	14 days			
1,1,2-Trichloroethane	14 days			
Methylene Chloride	14 days			
Organosulfur Compounds		Quantitative		PACK-GC/FPD-S
P-Chlorophenylmethylsulfone ($PCPMSO_2$)	Extract as quickly as possible. (No more than 7 days.) Analyze within 40 days of extraction.			
P-Chlorophenylmethylsulfoxide (PCPMSO)				
P-Chlorophenylmethylsulfide (PCPMS)				
1,4-Dithiane				
1,4-Oxathiane				
Dimethyldisulfide (DMDS)				
Benzothiozol				
Volatile Aromatics		Quantitative		EPA 602
Benzene	14 days			
Toluene	14 days			
o,p xylene	14 days			
M,xylene	14 days			
Ethybenzene	14 days			

Table C-6. Chemical Analysis - Task 44 (Page 2 of 2)

Analysis/Analytes	Hold Time	Level of Certification	Reference Methods	Method
DCPD/MIBK		Quantitative	EPA 608	CAP-GC/FID
Dicyclopentadiene/ Methylisobutylketone	Extract as quickly as possible. (No more than 7 days). Analyze extract within 40 days of extraction.			
DIMP/DMMP	Analyze within 40	Qualitative	EPA 622	PACK-GC/FPD-P
Diisopropylmethylphosphonate/ Dimethylmethylphosphonate	of extraction.			
DBCP		Quantitative		CAP-GC/ECD
Dibromochloropropane	Extract as quickly as possible (No more than 7 days). Analyze extract within 40 days of extraction.			
Inorganics		Quantitative		
Calcium			EPA 200	Inductively Coupled Plasma
Magnesium				
Sodium				
Potassium				
Cadmium	Analyze within			
Copper	6 months			
Chromium				
Lead				
Zinc				
Arsenic			EPA 206	AA-Hydride
Mercury	Analyze within		EPA 245	Cold Vapor
Chloride	28 days		EPA 300	Ion Chromatograph
Fluoride				
Sulfate				
Nitrate + Nitrite	28 days with H_2SO_4 (Ph of 2); 48 hours with chilling only		EPA 352.1	Auto Analyzer

Source: ESE, 1988.

Table O-7. Compounds Analyzed by Semiquantitative Methods

Analysis/Analytes	Hold Time	Level of Certification	Reference Methods	Method
Purgeables		Semiquantitative	EPA 624	GC/MS
Ethylbenzene	14 days			
Benzene				
MIBK				
IMDS				
1,1-Dichloroethane				
1,2-Dichloroethane				
1,1,1-Trichloroethane				
1,1,2-Trichloroethane				
Methylene chloride				
Chloroform				
Carbon tetrachloride				
trans-1,2-Dichloroethylene				
Toluene				
Chlorobenzene				
Tetrachloroehtylene				
Trichloroethylene				
m-Xylene				
o- and/or p-Xylene				
DBCP				
Dicyclopentadiene				
Bicycloheptadiene				
1,2-Dichloroethane				
Methylene chloride				
Ethylbenzene				
Extractables		Semiquantitative	EPA 625 (neutral extraction)	GC/MS
Aldrin	Extract as quickly as possible. (No more than 7 days). Analyze extract within 40 days of extraction.			
Atrazine				
Chlordane				
PCPMS				
PCPMSO				
$PCPMSO_2$				
DBCP				
DCPD				
4,4'-DDE				
4,4'-DDT				
Dieldrin				
DIMP				
Dithiane				
Endrin				
HCCPD				
Isodrin				
Malathion				
Oxathiane				
Parathion				
Supona				
Vapona				
2-Chlorophenol				
1,3-Dichlorobenzene				
Diethylphthalate				
Di-n-Octylphthalate				

Source: ESE, 1988

25 extractable compounds (Table), and to identify nontarget analytes. The analytical list was derived from various sources including:

- o An evaluation of contaminant source characteristics at RMA and compounds attributable to activities at these sites;
- o A review of the historical chemical data and recognition of compounds previously detected; and
- o Additional input from the Memorandum of Agreement (MOA) parties.

Approximately 10 percent of the collected samples were analyzed by GC/MS techniques. Wells with samples that contained a large number of analytes or with high baseline concentrations were given priority for GC/MS analysis.

Defensibility and technical quality of the data was assured by proper documentation of procedures used during the analytical survey. Sample preparation, materials, shipping, handling, chain-of-custody procedures, etc. were consistent with those required in Task 1.

SUMMARY OF COMPOSITE WELL PROGRAM DRILLING, WELL INSTALLATION, DEVELOPMENT, AND SAMPLING

The following section discusses the geotechnical program for Task 44. This includes well drilling, installation and development carried out under the composite well program, as well as well sampling procedures employed by Task 44.

DRILLING METHODS

Two drilling methods were selected for the construction of monitoring wells or for contaminant data acquisition in earth materials. These were rotary and hollow stem auger drilling. Personnel safety and sample integrity were the main factors in the selection of these two methods. Whether rotary or hollow stem auger was used at a particular site was determined by site conditions and proposed depth. Alluvial wells were generally drilled using auger methods, and Denver Fm wells with rotary methods. Monitoring wells were drilled using auger or rotary techniques according to conditions encountered at the site.

Techniques and procedures associated with the drilling program, including downhole geophysical surveys, were consistent with those outlined in Section 3.0 of the Task 1 Technical Plan as well as USATHAMA Geotechnical Requirements (1983).

Drilling equipment, including drill rods, samplers, tools, and water tanks, were steam cleaned prior to arrival at RMA and washed with approved water before arrival at each boring or well site. Water used in drilling, grouting, or decontamination was obtained at a source approved by the PMSO. Only USATHAMA approved lubricants, such as petroleum jelly, were used on the threads of downhole drilling equipment. Air usage was fully documented with equipment descriptions and oil filter specifications. Only USATHAMA approved air systems were used.

Continuous alluvial soil samples were collected using rotary or hollow-stem auger sampling techniques. The continuous soil samples were collected in polybutyrate tubes and transferred to a central logging facility. The soil samples were logged and then stored in the polybutyrate tubes or one-pint wide-mouth jars.

Rotary core drilling methods were used to collect 2 1/2-inch diameter rock cores. Hollow-stem augers or conductor casing were advanced into bedrock, sealed with bentonite, and then rinsed with approved water to minimize contamination from alluvial materials. The rock cores were taken from a depth of at least 5 ft below the water bearing unit that was to be screened. The rock cores were logged in detail, photographed, wrapped in plastic, and then stored in cardboard coreboxes.

WELL_DRILLING_AND_INSTALLATION

Installation of monitoring wells began within 12 consecutive hours of borehole completion for uncased or partially cased holes, and within 60 consecutive hours for fully cased holes. Once installation had begun, no break in the installation process was made until the well had been grouted and the protective casing installed. All materials used in well construction were approved by USATHAMA and PMO-RMA prior to use.

Alluvial Wells

Alluvial wells were first drilled and continuously sampled using 3 1/4-inch ID hollow stem augers and split spoon samplers. Permeable zones were identified and the hole was reamed with an 8 1/4-inch ID hollow stem auger in preparation for completion with 4-inch PVC casing and screen. The hollow-stem augers were advanced 1 to 2 ft into bedrock. In general, wells were screened from the bedrock contact to approximately 5 ft above the water table surface. Wells were completed inside hollow-stem augers as shown in Figure.

Bedrock Wells

In general, bedrock wells were drilled using direct rotary methods. In instances when sloughing of alluvial material was not a problem, and precautions to prevent cross-contamination were not necessary the bedrock was drilled with hollow-stem augers. The utilization of hollow stem auger drilling for bedrock wells only occurred in a few locations.

In instances where cross-contamination was possible, the borehole was reamed and conductor casing were telescoped and grouted in place using Halliburton techniques. This procedure was followed until the aquifer to be monitored was encountered.

1.3 WELL CONSTRUCTION

Well construction was conducted within the hollow stem augers or within surface casing if rotary methods were employed. The various components of well construction were similar for both drilling methods. These include: screens, casing and fittings, sand pack, bentonite seal, gravel seal, and protective casing. Figures C-1 through C-7 illustrate the Denver well completion techniques implemented for a variety of natural situations. Typical alluvial well construction is illustrated in Figure C-8, while a schematic drawing of cluster site completion is shown in Figure C-9.

Well Screens, Casings, and Fittings

Well screens were commercially fabricated, 4-inch ID, high-flow, 20-slot (0.020-inch) PVC. A threaded PVC cap was fitted 6 inches below the screen openings. The screens were installed throughout the water bearing unit and

were attached to schedule 40 PVC casing by a nonrestrictive threaded joint.

Alluvial wells were screened 5 ft above the water table. Standard black iron pipe casings of various diameters were used to telescope down and prevent cross-contamination between aquifers. Prior to installation, all screens and casing materials were decontaminated and stored in plastic. This required cleaning and removal of all foreign matter (adhesive tape, labels, soil, grease, etc.) and washing with approved water. Casing tops were fitted with oversized hand-removable caps.

Stainless steel well centralizers were attached by stainless steel clamps only on the cased portion of the well and only above the sand pack. Boreholes that contained excessively thick or particulate-laden fluid, which could have interfered with casing and screen installation, were purged with USATHAMA-approved water.

Sand Pack

The annular space between the casing/screen assembly and the borehole was filled with a gravel/sand pack to a depth of no less than 5 ft above the well screen. A 1-pint sample of gravel/sand pack material was submitted to PMO-RMA for approval prior to use on site. The material used was 8- to 12-mesh silica sand from Colorado Silica Sand, Inc. If water was needed to facilitate placement of the gravel/sand pack, a minimal amount of approved water was used. The volume of this water was recorded for subsequent removal during well development.

Bentonite Seal

A 5 ft bentonite seal was placed in the annulus above the sand pack in most wells. In a few locations shallow ground-water table conditions prevented this. The thickness was that measured immediately after placement, without allowance for swelling. Commercially available bentonite pellets were used in all cases. This material met USATHAMA specifications and was approved by PMO-RMA prior to use on the site. Bentonite seals were placed as shown in Figures C-1 through C-9.

Grout Seal

Annular spaces in alluvial monitoring wells were sealed by pumping cement grout through a tremie-pipe placed at the bottom of the target interval, or by gravity placement within the hollow-stem auger. The grout was composed of 10 parts cement to a minimum of 1 part bentonite, and a maximum of 12 gallons of water per sack of cement.

The annular space between conductor casings in Denver Fm monitoring wells were pressure grouted from the bottom of the casing using Haliburton-type techniques. These materials met USATHAMA specifications and were approved by PMO-RMA prior to use on site. The grout seal was inspected for settlement 24 hours after placement and, if necessary, grout was added to the level of the ground surface.

Protective Casing

A lockable protective casing was set into the grout seal surrounding offpost wells. The 5-ft long protective casing was constructed from 8-inch-diameter steel pipe with a lid capable of being locked. The casing, cleaned of all foreign matter prior to use, was extended into the grout about 3.0 ft below the ground surface. The offpost wells were padlocked at the time of the installation of the protective casing. After installation, the outside of the protective casing was painted white, and the well identification was painted black. All painting was done with a paintbrush.

Aggregate cement was poured to a depth of about 0.5 ft above the ground surface in the annular space between the protective well casing and the outside of the monitoring well casing. A circular 4-ft diameter pad 0.5 ft thick was poured around the protective casing. A 0.25-inch-diameter drainage port was drilled in the protective casing just above the level of the internal mortar within the protective casing.

1.4 WELL DEVELOPMENT

Upon completion of the well installation, the monitoring wells were developed at least two weeks prior to sampling. Well development was conducted by means of either a submersible pump or a bottom discharge bailer, with or without a surge block. A minimum of five times the volume

of standing water in the well, sand pack, and annulus were removed, in addition to five times the volume of water that was added and lost during drilling or completing the well. The wells were developed until the water was clear, sediment-free and of consistent conductivity. Wells were not considered fully developed until the measured thickness of sediment remaining in the well was at 5 percent or less of the screen length. Most wells were developed to the point where sediment content was less than 2 percent.

Measurements obtained and recorded included static water level before and after development, field pH, and conductivity measurements before, during, and after development. Stability of these parameters was an indication of representative ground-water quality. For each well, a 1-pint sample of the last water to be removed during development was collected and retained. An example well development sheet is shown in Figure C-10.

2.3 GROUND-WATER SAMPLING PROCEDURES

The Task 44 ground-water monitoring procedures summarized below describe both methods for measurement of static water levels and for collection of water-quality samples. These methods are described in detail in the Task 44 Final Technical Plan (ESE, 1988).

Static water levels were measured with either Soil Test Model DR-760A or Solinst water-level indicators. Total depths were measured with bottom-weighted, nylon-coated steel measuring tapes. Measured values were reported to the nearest tenth of a foot. All pertinent information obtained during the water-level measurement effort was recorded on water-level measurement forms and in bound field notebooks. The following information was recorded for each well measured:

- Well number;
- Casing diameter;
- Date and time;
- Photoionization Detector (PID) readings;
- Casing stickup above ground surface;
- Depth to water from top of casing;
- Total depth;

- Water-level measuring device;
- Observer's initials; and
- Pertinent observations including well conditions.

On arriving at the well site, the following information was recorded on sample data sheets and in field notebooks:

- Well number;
- Date and time;
- Pertinent observations including weather and well conditions;
- Well information including station elevation, casing diameter, and screened interval;
- Field instrument identification;
- Initial PID readings for background and casing headspace;
- Well stickup above ground surface;
- Depth to water; and
- Total well depth.

Field instruments were calibrated against known standards prior to purging each well. These instruments were used to monitor field parameters including pH, temperature, and conductivity. In addition, dissolved oxygen was monitored in all pumped wells. Field parameter values were recorded for a portion of the initial water discharged from the well, after each casing volume was removed, and immediately prior to sample collection. An alkalinity titration was also performed on the portion of the well water obtained immediately prior to sampling.

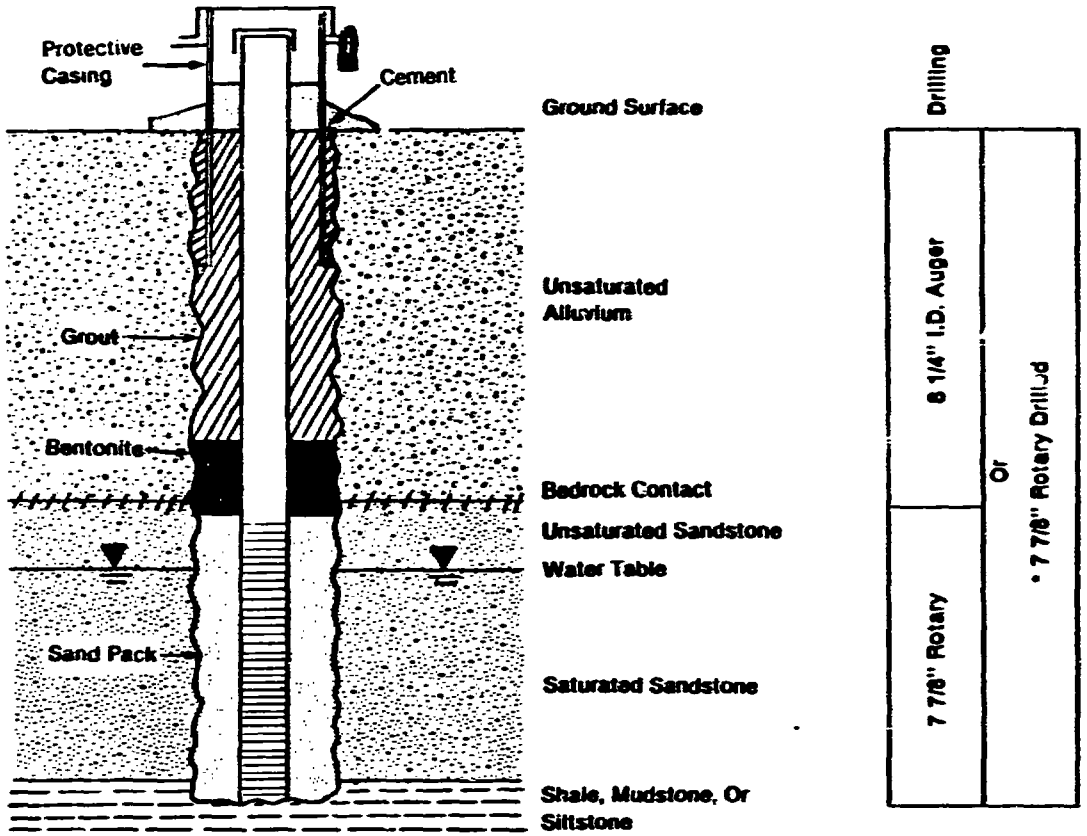
All wells were purged and sampled with either a pump or bailer. In general, wells containing less than 4 gallons/casing volume or known to dewater at one casing volume were purged and sampled by bailing; all other wells were pumped. The types of pumps used during the Task 44 sampling effort included 1.8-inch diameter ISCO Model 2600 bladder-type pumps, a 1.4-inch diameter Bennett Model 140 pump, and a 3-inch diameter Standard pump. An in-line flow cell consisting of an air-tight chamber fitted for instrument probes was used during purging in all pumped wells. Purged water from onpost wells was containerized at the well site. Offpost, purged water was discharged at least 50 ft from the well into natural drainage. A minimum of five casing

volumes were removed from each well prior to sampling; however, samples were not collected until field parameters had stabilized from three consecutive casing volumes. In the event that a well dewatered prior to the removal of five casing volumes or prior to stabilization of field parameters, samples were collected once sufficient recharge had been attained. If sufficient recharge was not attained within a 24-hour period, as many sample fractions were collected as possible.

Ground-water samples were collected either directly from pump discharge lines at low flow rates or from bottom-decanting bailers. All volatile and semivolatile sample fractions were filled completely and capped tightly to avoid air bubbles. Except for metals, all remaining sample fractions were filled to a minimum of 90-percent capacity. Metals fractions were filtered in the field using 0.45-micrometer nitrocellulose or cellulose acetate filters, filled to a minimum of 700 milliliters, and preserved with dilute nitric acid to a pH of 2 or less. Unfiltered nitrate fractions were preserved with sulfuric acid to a pH of 2 or less. All samples were placed on ice immediately upon filling and accompanied by appropriate chain-of-custody records.

All equipment used for sampling and water-level measurement was thoroughly decontaminated at the well site prior to storage. Each pump was decontaminated by triple rinsing all external parts with deionized water and pumping a volume of deionized water equal to three times the volume of the pump and hoses through the lines. All other equipment was cleaned in a solution of water approved by the Contracting Officer's Representative (COR) and trisodium phosphate, rinsed with COR-approved water, and triple rinsed with deionized water. All decontamination water was containerized at the well site.

Further description of Task 44 field procedures including sample shipment and documentation may be found in the Task 44 Final Technical Plan (ESE, 1988).



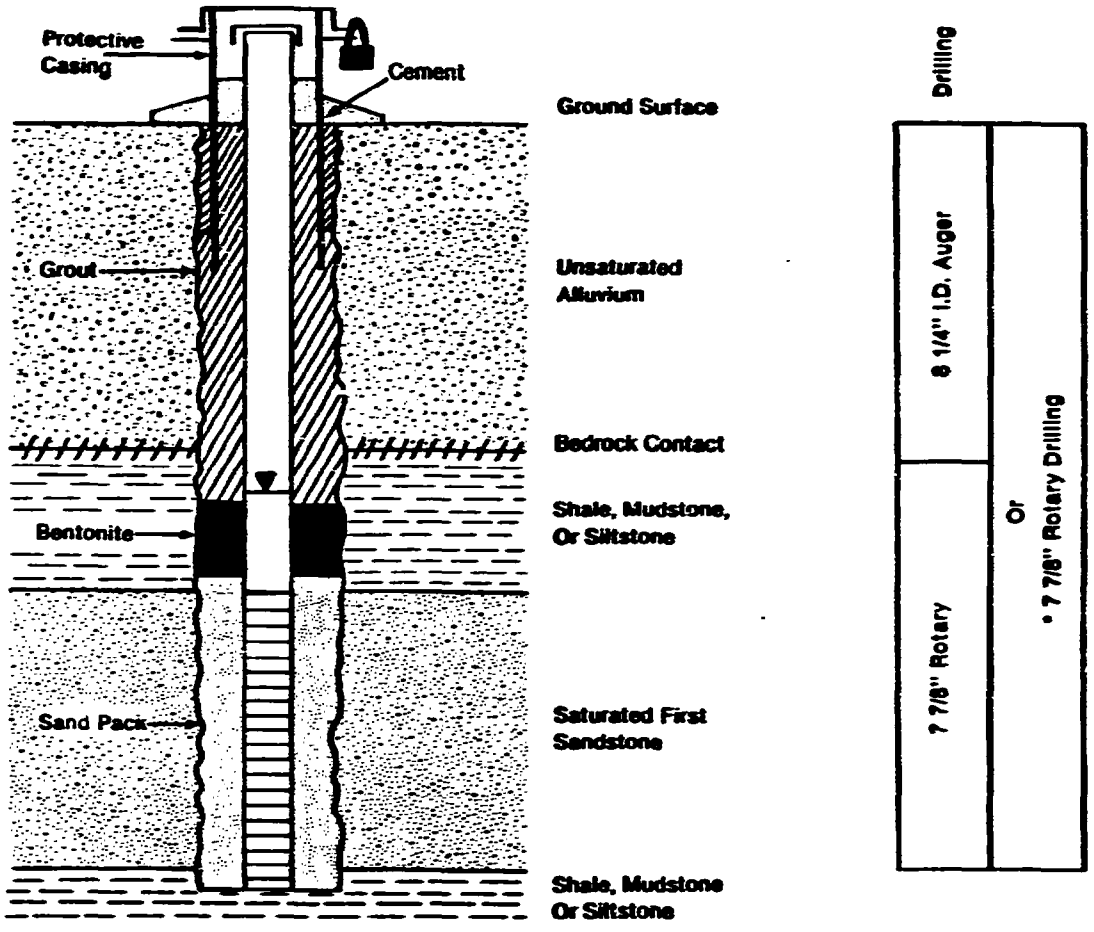
* Field Determination After Drilling Alluvium

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-1
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM. WELL COMPLETED IN FIRST SANDSTONE, ALLUVIUM UNSATURATED, SANDSTONE AT THE ALLUVIAL-BEDROCK CONTACT, SANDSTONE PARTIALLY SATURATED)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



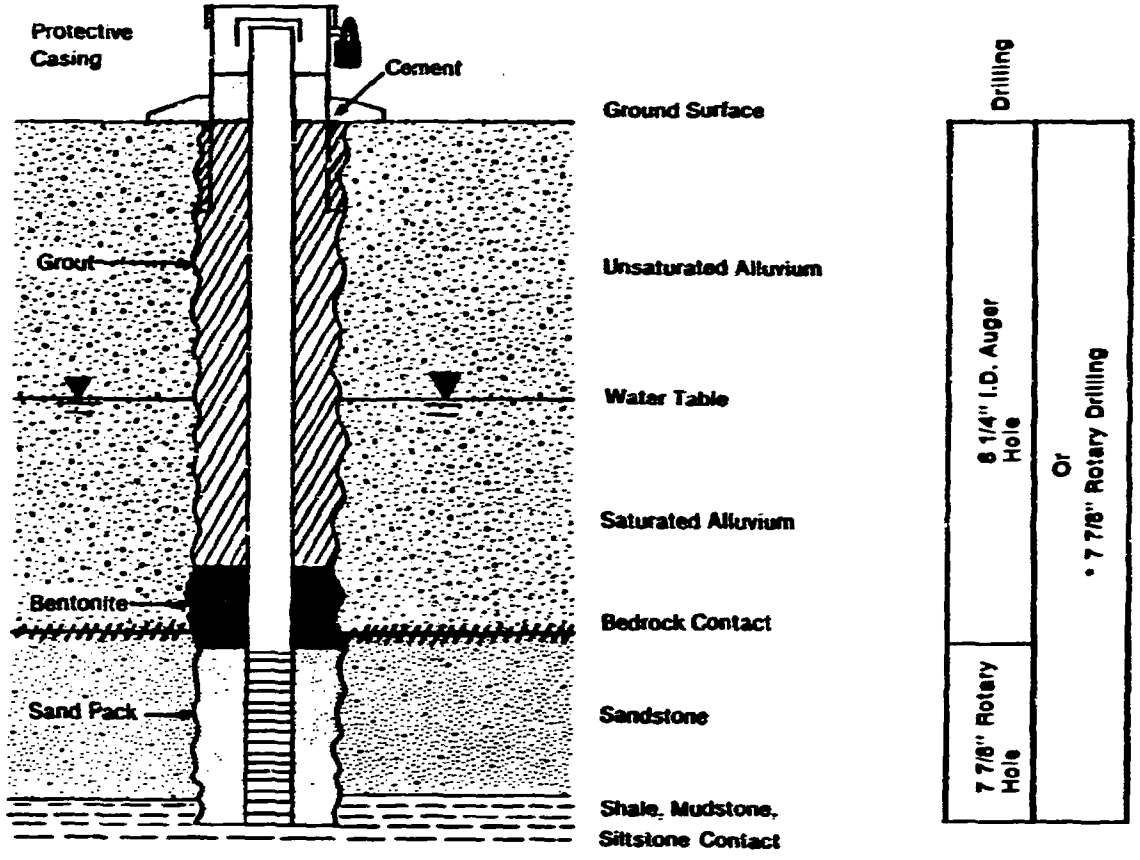
* Field Determined After Drilling Alluvium

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-2
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM WELL COMPLETED IN FIRST SANDSTONE, ALLUVIUM UNSATURATED, SHALE AT THE ALLUVIAL-BEDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



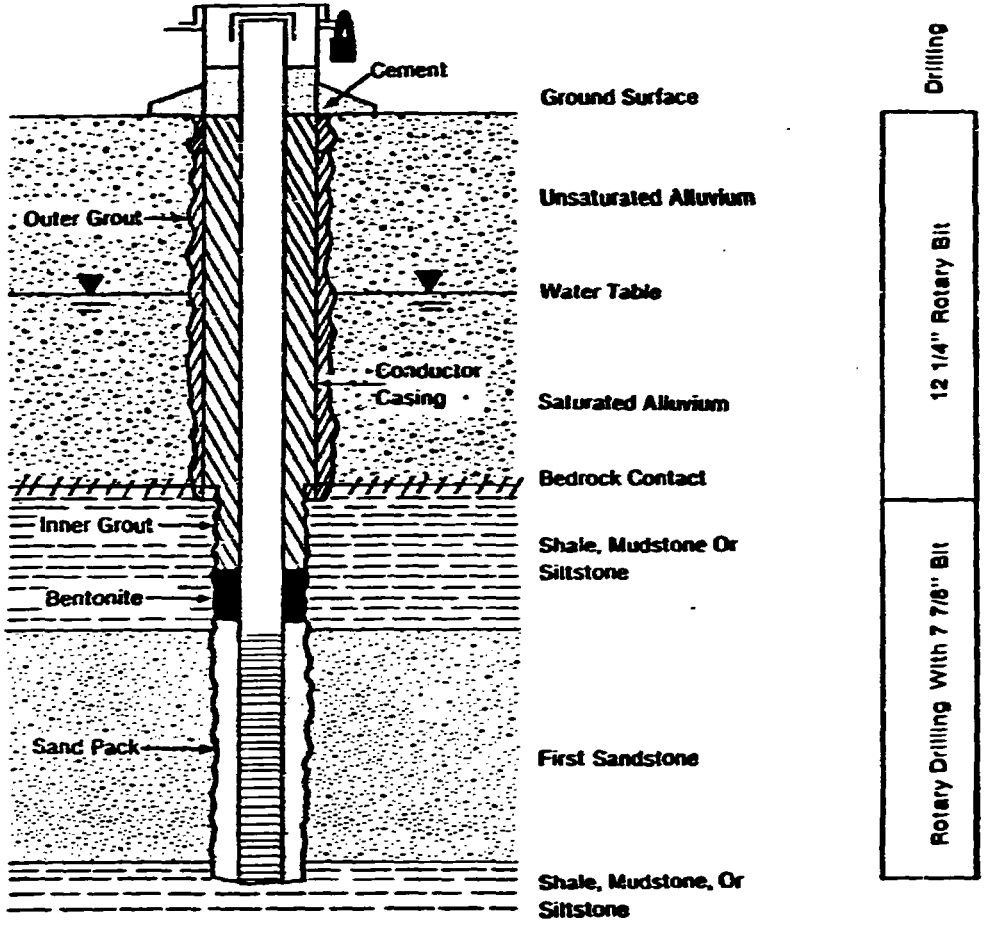
* Field Determination After Drilling Alluvium

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-3
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM. WELL COMPLETED IN FIRST SANDSTONE, ALLUVIUM SATURATED, SANDSTONE AT THE ALLUVIAL-BEDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

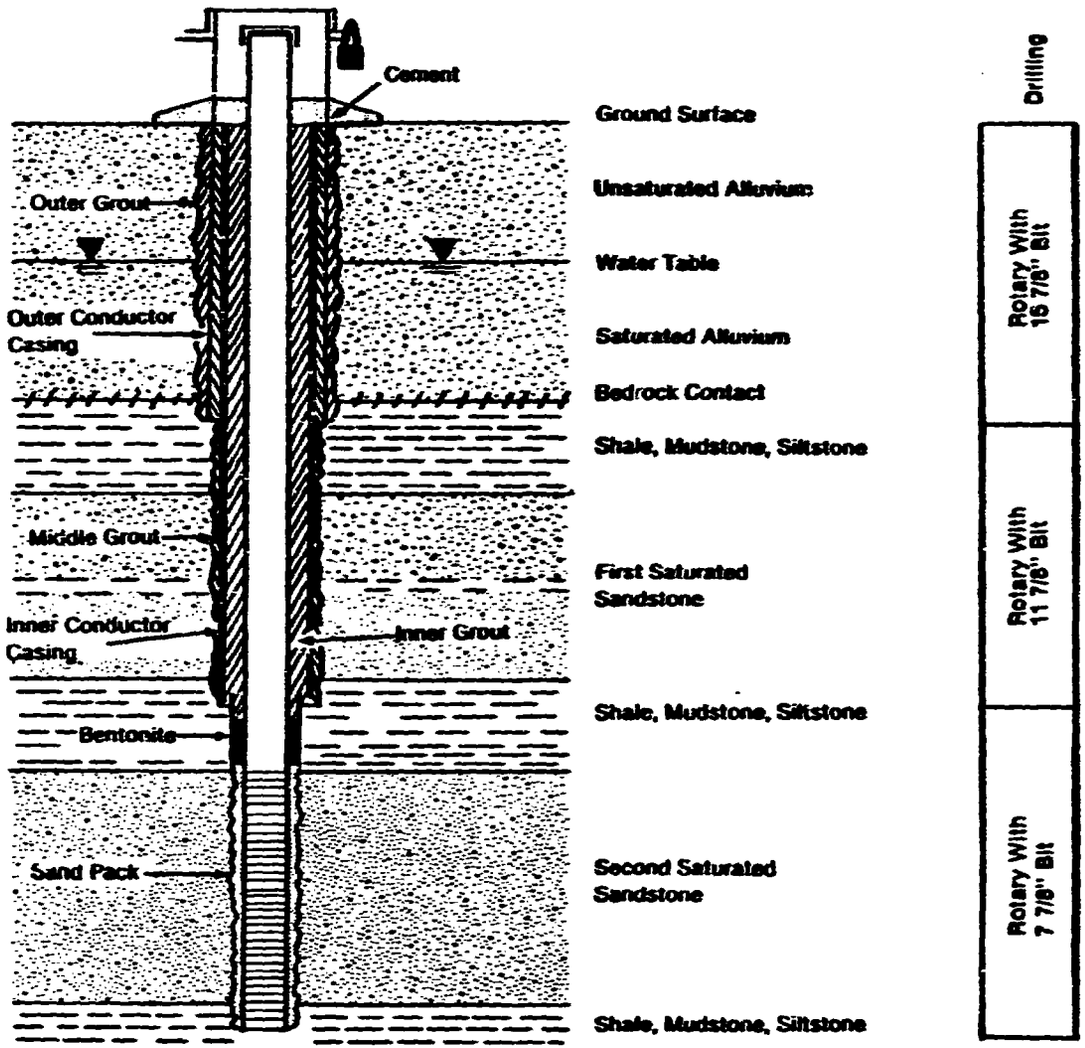


CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-4
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM WELL COMPLETED IN FIRST SANDSTONE, ALLUVIUM SATURATED, SHALE AT THE ALLUVIAL-BEDDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

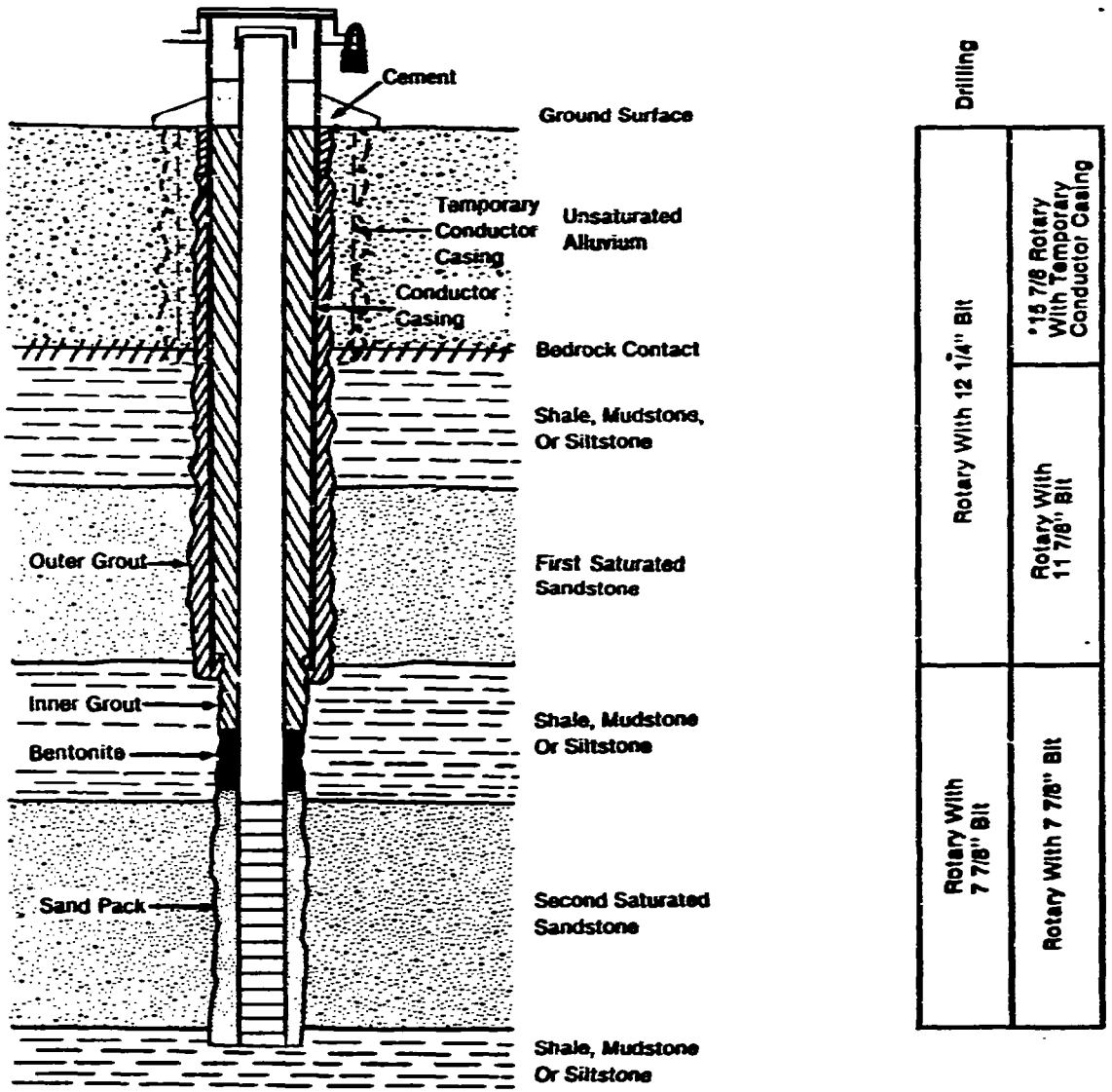


CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-5
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM WELL COMPLETED IN SECOND SANDSTONE, ALLUVIUM SATURATED, SHALE AT THE ALLUVIAL-BEDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



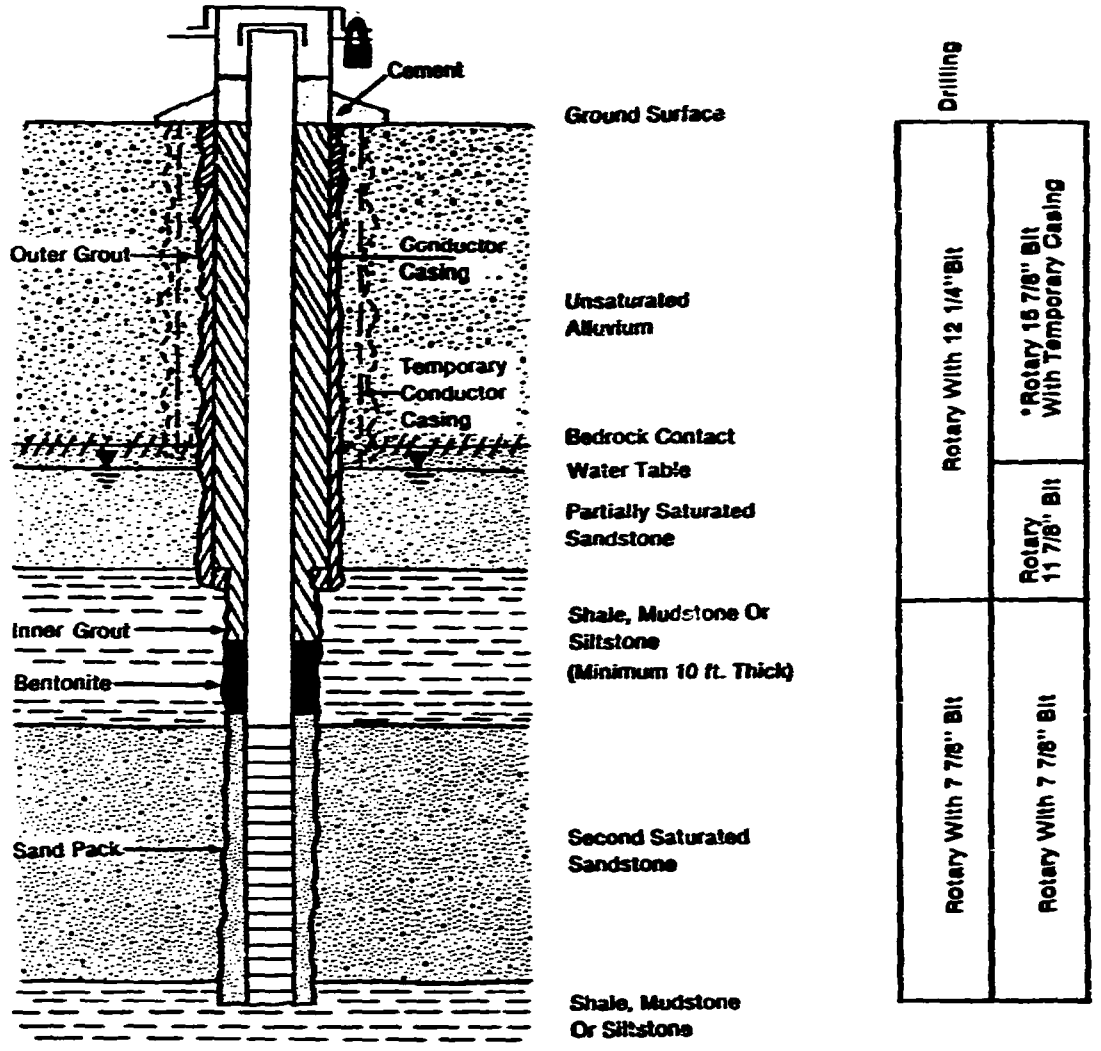
* Field Determination After Drilling Alluvium

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-6
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM. WELL COMPLETED IN SECOND SANDSTONE, ALLUVIUM UNSATURATED, SHALE AT THE ALLUVIAL-BEDROCK CONTACT, FIRST AND SECOND SANDSTONE SATURATED)

SOURCE: [illegible]/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



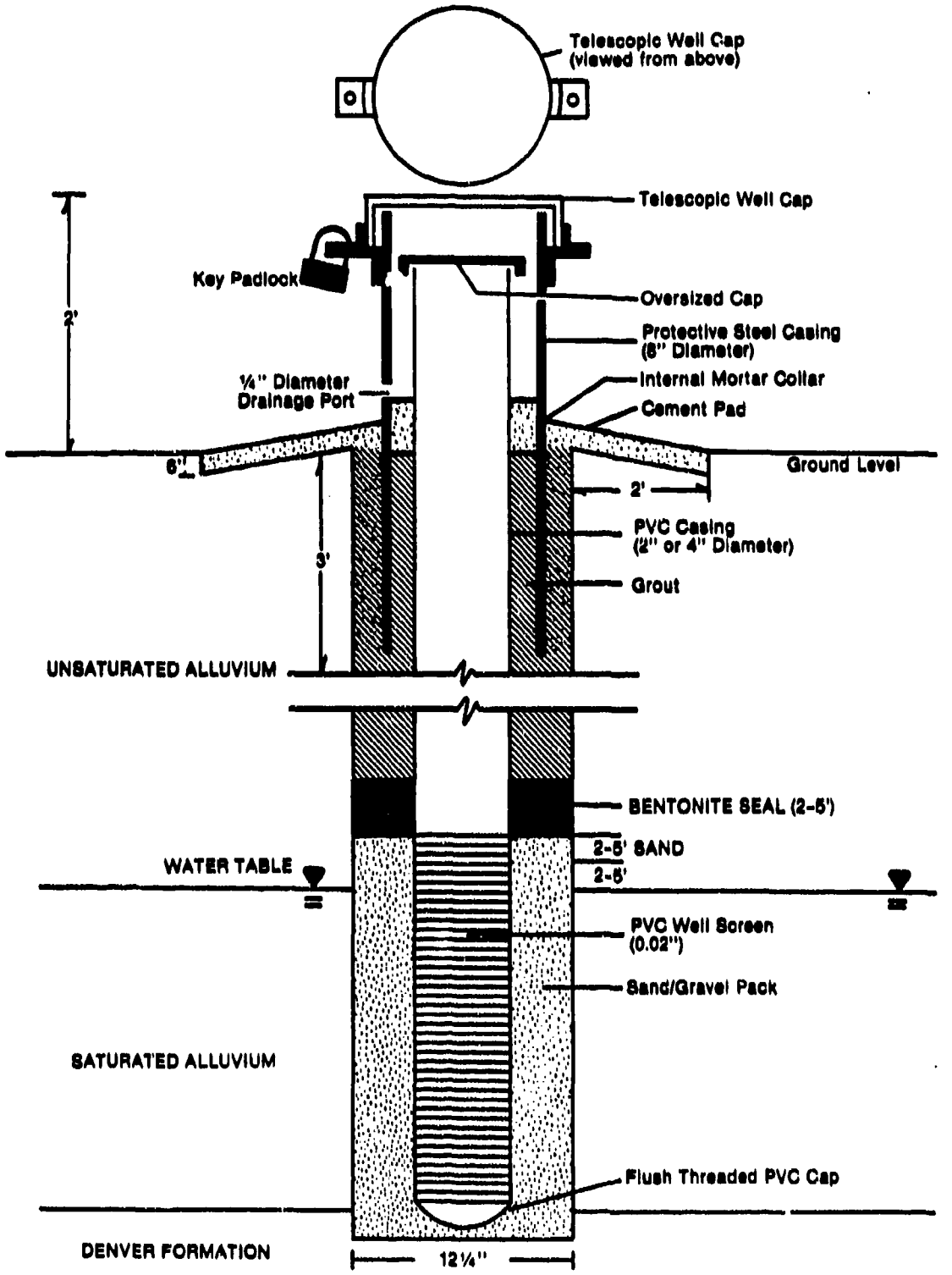
* Field Determination After Drilling Alluvium

CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-7
GENERALIZED BEDROCK AQUIFER MONITOR WELL CONSTRUCTION (DENVER FM. WELL COMPLETED IN SECOND SANDSTONE, ALLUVIUM UNSATURATED, SATURATED SANDSTONE AT THE ALLUVIAL-BEDROCK CONTACT)

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



SCALE DIAGRAMMATIC

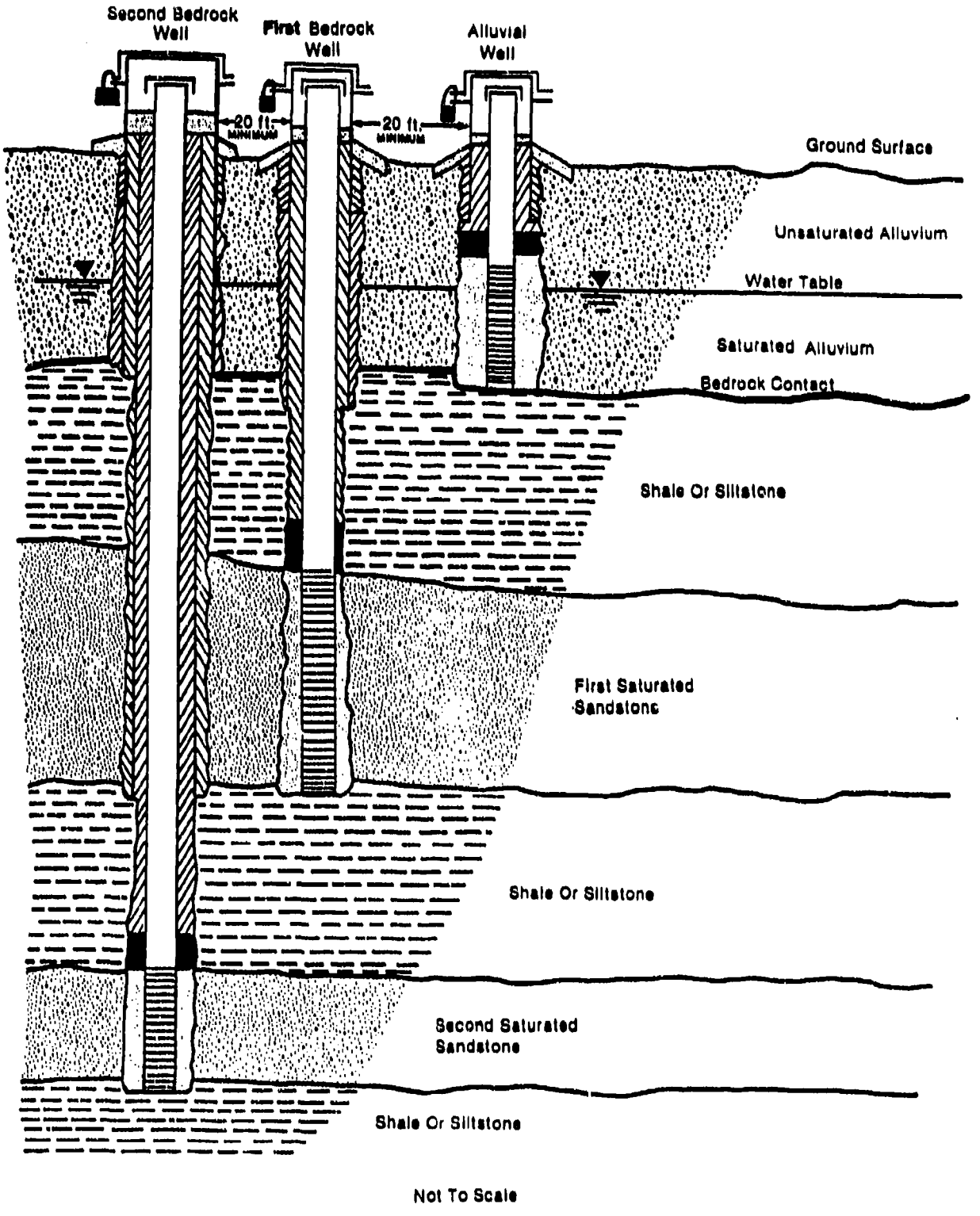
CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-8

GENERALIZED AQUIFER MONITOR WELL CONSTRUCTION

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



CENTRALIZERS WERE PLACED ON ALL BLANK CASINGS AT INTERVALS OF NO MORE THAN 40 FEET.

Figure C-9

SCHEMATIC DRAWING OF A TYPICAL CLUSTER WELL INSTALLATION

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET ____ OF ____

WELL DEVELOPMENT DATA

Bore ____ Well ____

Project ____ Project Number ____

Date(s) Developed ____ Date Installed ____

Personnel (Name/Company) ____ Well Diameter (I.D.) ____ in.

____ Anulus Diameter ____ in. ____ ft. to ____ ft.

Rig Used ____ ____ in. ____ ft. to ____ ft.

Pump (Type/Capacity) ____ Screen Interval ____ ft. to ____ ft.

Bailer (Type/Capacity) ____ ____ ft. to ____ ft.

Water Source ____ Casing Height (Above G.L.) ____ ft.

Measured Well Depth TOC (Initial) ____ ft. Bottom of Screen (Below G.L.) ____ ft.

(Final) ____ ft.

Water Level TOC/Date/Time (Initial) ____

(after 24 hrs.) ____

Feet of Water in Well ____ ft. x ____ gallons/foot = ____ gallons casing/anulus volume

Drilling Fluid Lost ____ gallons One Purge Volume ____ gallons

Purge Water Lost ____ gallons Minimum Purge Volume ____ gallons

Added Water ____ gallons Total Purge Volume ____ gallons

Casing/Anulus Volume ____ gallons Volume Measured By ____

Surge Technique ____

Calibration: pH Meter Used: ____

pH 7.00 = ____ at ____ °C, pH 10.00 = ____ at ____ °C

Conductance Meter Used: ____

Standard ____ umhos/cm at 25°, Reading ____ umhos/cm at ____ °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial					
Final					

Remarks: ____

Collected by ____ Signature Date

Checked by ____ Signature Date

Figure C-10
WELL DEVELOPMENT DATA FORM

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

APPENDIX C.2: WELL CONSTRUCTION DATA

EP-53

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BOREHOLE SUMMARY LOG

Borehole EP-53 Well 23220, 23221, 23222

Project Name and Location MW Installation - Task 44 Project Number 12053 088 10

Drilling Company Goyas Driller Roach Rig Number Failing 25

Drilling Method(s) Rotary - with bentonite drill mud

Size(s) and type(s) of bit(s) 7 7/8" blade, 3 7/8" tricone

Borehole Diameter 7 7/8 in. ____ cm. 0 ft. ____ cm. to 40 ft. ____ cm.

3 7/8 in. ____ cm. 40 ft. ____ cm. to 132 ft. ____ cm.

Sampling Methods Continuous core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 6

Number of Gallons Lost Drilling Fluid ≈ 300

Date/Time Started Drilling 4.29.87 0941

Date/Time Completed Drilling 4.30.87 1535

Total Borehold Depth 132 ft. ____ cm.

Depth to Bedrock 40 ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? No

Date/Time Grouting Completed 5.1.87 0944

Depth of Tremmie Pipe 130 ft.

Gallons of Grout 90 gals.

Materials Used 4 bags cement, 90 gals. water, partial bag bentonite.

Comments grouted to surface. - pvc removed as much as possible (≈ 4' below ground)

Wellsite Geologist C Benson Date 5.1.87

Checked for Grout Settlement on 5/2/87 by [signature]

Amount of Grout Added none needed

All Measurements from Ground Level

Reviewed by [signature] Date [illegible]

Drill Site Geologist ____ Date ____

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Borehole: EP53A Well Number: 23220

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
0	0-2	100%		0-2	ML	Silt/sand/clay — clay 40%, silt 20%, sand 20%, 2.5y 4/4 olive brown, med. dense, nonplas., occas. roots, dry
2	2-4	100%		2-4	SM	Silty sands - silt 12%, clay 10% (slight), 10yr 5/4 yellowish brown, loose, nonplas, dry, occas. calc. rich area
4	4-6	100%		4-6	SC	5'-5.6' interbed of SC - clayey sand - clay 40% - 10yr 3/6 dk. yellowish brown, dense, nonplas, dry
6	6-8	100%		6-8		6" - calc/dolo. intensified to 2" band calc/dolo. about 5% - throughout sample 6-8'
8	8-10	100%		8-10	CL	CLAY (SANDY) — sand 20% - 10yr 4/4 dk. yellowish brown - med. dense, nonplas dry
10	10-12	100%		10-12		
12						

Drill Site Geologist: C-Litus Log: C Benson Date: 5-12-87

Reviewed By: [illegible] Date: [illegible]

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Borehole: EP 53A Well Number: 23220

Depth–Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
14	12-14	100%		12-14	CL	CLAY (sandy) Sand 20% - 10yr 4/4 dk yellowish brown, med. dense, nonplas, dry
16	14-16	100%		14-16		
18	16-18	80%		16-18		
20	18-20	70%		18-20	17.5 SW	GRADED SANDS - 10% gravel, 2.5y 4/4 olive brown, loose, nonplas, dry gravel usually rounded to subrounded, 1/4" - 1/2", mine
22	20-22	80%		20-22	21 SC	Clayey Sand - clay 30% - 2.5yN4/2 dk. grayish brown, med. dense, nonplas, sl. moist (?)
24	22-24	100%		22-24	CL	clay - 2.5yN4/2 dk. grayish brown, dense, nonplas, dry
					23.7	SP - Gravel/sand

Drill Site Geologist: C Litzen Log: C Benson Date: 5.17.07

Reviewed By: Date:

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Borehole: EP53A Well Number: 23220

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
	24-26	90%		24-26	GP	gravel/sand mixture - gravel 60% - gravel subangular to subround 10yr 5/4 yellowish brown, loose, non plas., dry
					25.3 SP	SANDS - fine, 10yr 5/4 yellowish brown, loose, non plas, dry
26	26-28	80%		26-28		gravel appears at 26' - gravel 10% - mostly 1/2 or smaller (pea-size), well rounded -
28	28-30	100%		28-30		
30	30-31.2	100%		30-31.2		
	31.2-33	80%		31.2-33		31.2' gravel increases to 2" down to "4", subangular approx. 15%
34	33-35	50%		33-35		Moist sample at 34'
36	35-37	90%		35-37		saturated, -water at 35'

Drill Site Geologist: [illegible] Date: 5/12/87

Reviewed By: [illegible] Date: [illegible]

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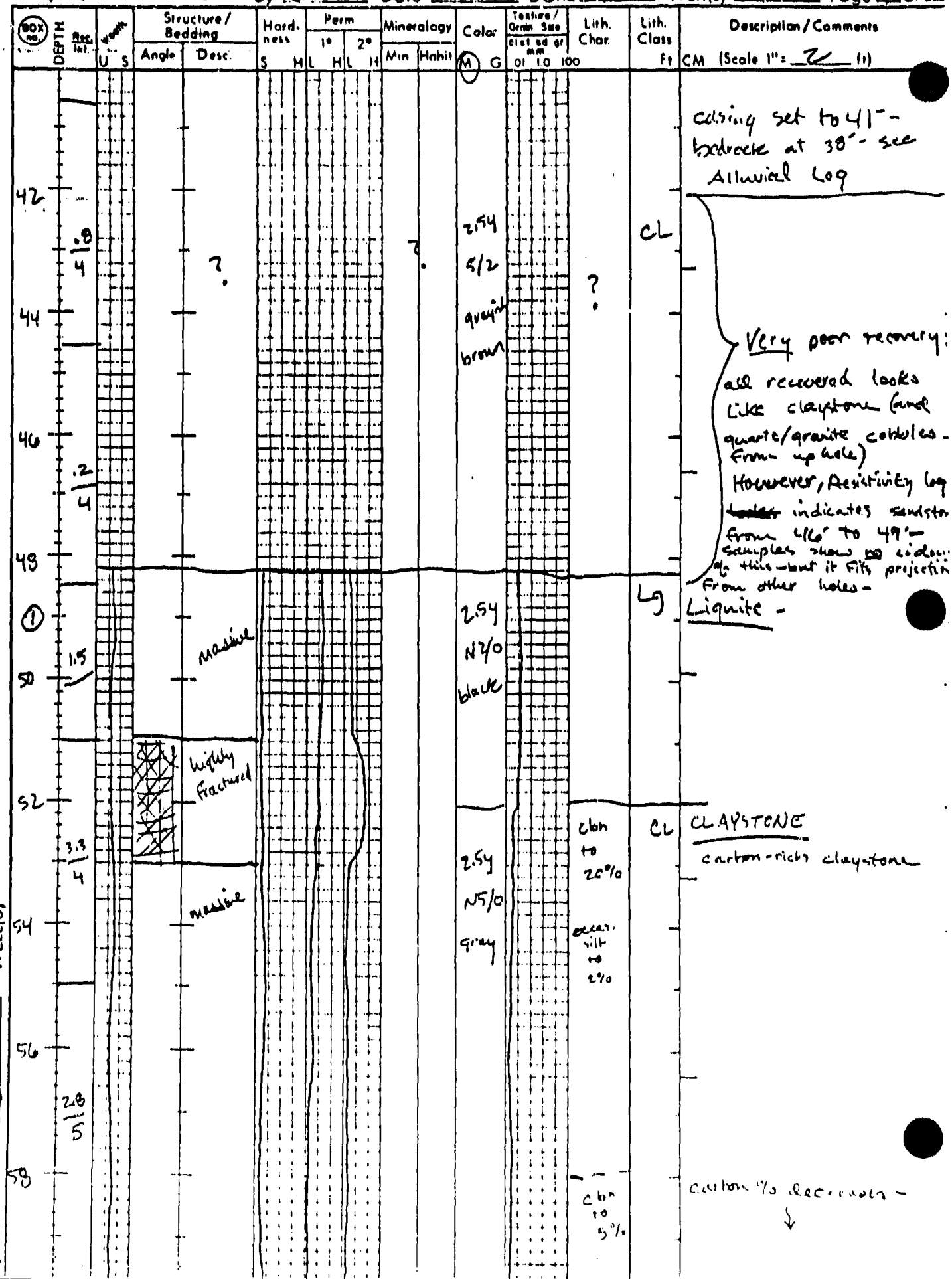
Borehole: EP-53A   Well Number: 23220

Depth–Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
					SP	gravelly sands, gravel 10%, 10YR 5/4 yellowish brown, loose, non plas, sat. → 36.6-36.8' clay/weathered bedrock seam
38	37 - 39	100%		37 - 39		BEDROCK at 38' claystone - 5Y 5/3 olive - soft & weathered
40						END OF BORING AT 40'

Drill Site Geologist: C. L... Log: C. ... Date: 7-12-87

Reviewed By: ... Date: ...

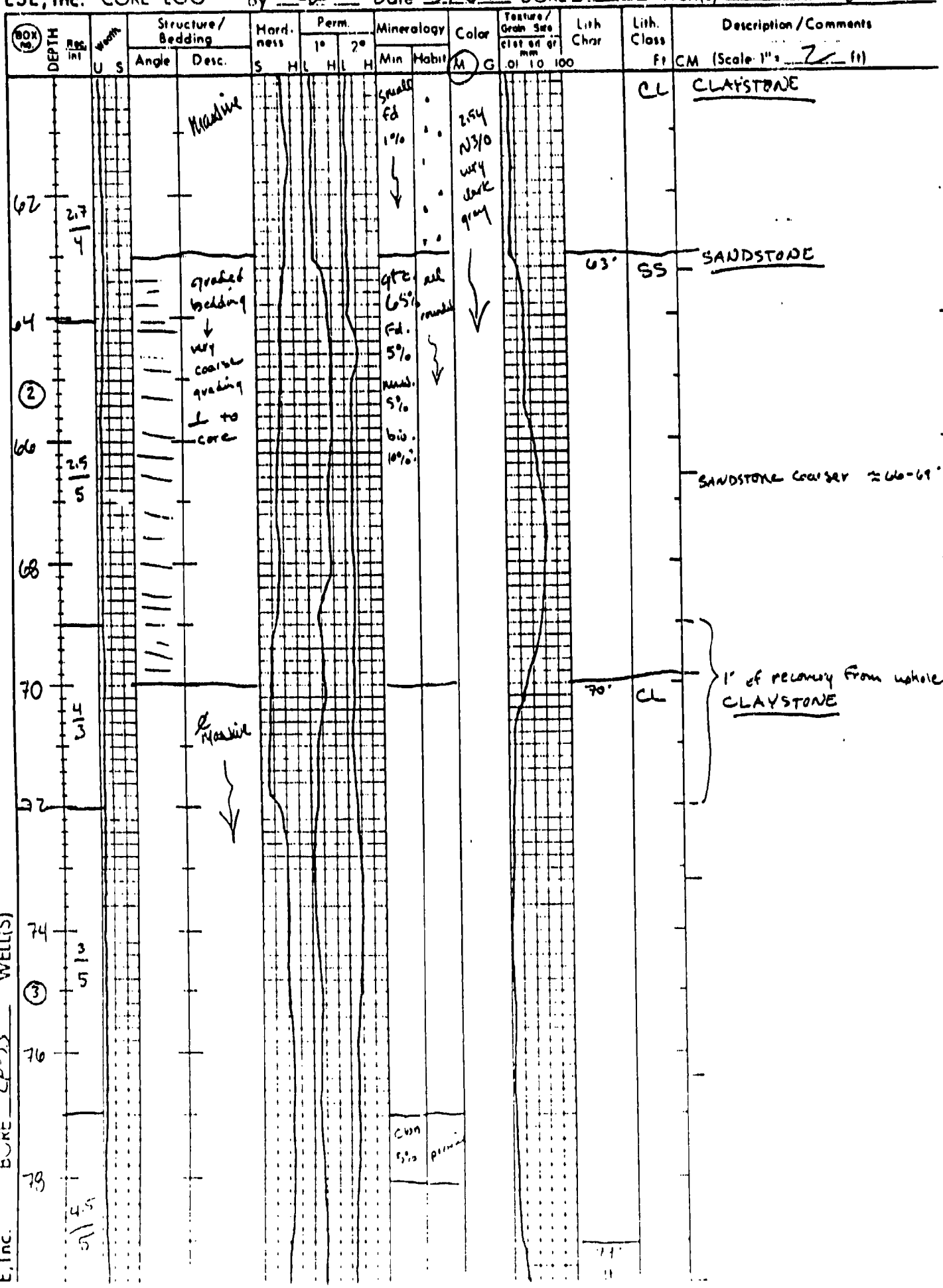
ESE, Inc. CORE LOG By CNB Date 5.1.87 BORE EP-53 Well(s) _____ Page 1 of 5



BORE EP-53 WELL(S)

E, Inc.

ESE, Inc. CORE LOG By CDB Date 5-1-87 BORE EP-53 Well(s) _____ Page 2 of 5



ESE, Inc. CORE LOG By CHD Date 2/1/91 BORE EP-53 Well(s) _____

Box No.	Depth	Rec. Int.	Structure/Bedding: Width U S	Structure/Bedding: Angle	Structure/Bedding: Desc.	Hardness S H	Perm. 1° L M H	Perm. 2° L M H	Mineralogy: Min.	Mineralogy: Habit	Color (M)	Color (G)	Texture/Grain Size: clay sd gr mm .01 .10 1.00	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
(3)	82				Massive				clay to 10%		2.5Y N6/0	gray		silt 5%	CL	CLAYSTONE
														82' sand to 10% silt 5%		Claystone gradationally more sandy & silty
	84	3.2/5														
					Fracs. every .5-.7 ft				clay frags & mudstone on fracs					85'	SS	SANDSTONE
	86															occas. conglomeritic beds c/1" thick from 89' to 90'
					87' graded bedding undulating from 60° to 90° from core											87' - coarse sand to small gravel-size clasts - graded in beds 1" thick clay follows bedding .5' of recovery from upholes
	88	4.5/4							mica 3%							Fe Ox stains strange - 87 to small (1") circles of orange stain
	90								Fe Ox stains 1%							
(4)					Massive									90.4	CL	CLAYSTONE
	92	0/3							clay pervasive 10%		2.5Y N3/0	very dark gray				
									clay 20%							Lignite more intense
	94	5/2							mica 2%		5Y 5/1	gray				3' of recovery time preceding this
(5)	96															
	98	4.4/5														
	100															

ESE, Inc. CORE EP-53 WELL(S) _____

Reviewed By: _____ Date: _____

ESE, Inc. CORE LOG By CAB Date 5.1.87 BORE EP 53 Well(s) ---- Page 4 of 5

Box no.	Depth	Rec. Int	Wetness U	Wetness S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min	Mineralogy Habit	Color M	Color G	Texture/Grain Size .01	Texture/Grain Size 10	Texture/Grain Size 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1"= 2 ft)
5	102					massive									5y 5/1	gray				102 silty & "ashy" ± 5%	CL	CLAYSTONE
	104	2.2/5											Fel (small)	2%								
													clay to 5%	0								
	106																					3' of recovery from up hole
	108	5/5																				
6	110												clay 3% Frags & nodules									end of silty/ashy texture
	112																					
	114	4.4/5																				
7	116																			silt 5%		silty texture gradually increasing
	118	3.5/5																		silt up to 15%		

WELL(S) ---- BORE EP 53

ESE, Inc

ESE, Inc. CORE LOG By CAB Date 5/87 BORE EP-53 Well(s) _____ Page 5 of 5

Box No.	DEPTH	Rec. Int.	Sample U	Sample S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° H	Perm. 1° L	Perm. 2° H	Perm. 2° L	Mineralogy Min	Mineralogy Habit	Color M	Color G	Texture/Grain Size clay	silt	sd	gr	Lith. Char	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	122					massive									2.5Y	N7/0 Light gray					Silt to 30%		CLAYSTONE - silty 122' carbon frag - twig clearly distinguishable - 2" ø SANDSTONE INTERBED
																					122 silt 10%		
	124	5/5				finely bedded occas.															125'		
(8)																					124		SANDSTONE Finer than whole - more friable
	126																				silt 10%		
	128	23/5											clay to 10%								127'		CLAYSTONE
	130																						
	132																						END OF HOLE AT 132'

ESE, Inc. BORE EP-53 WELL(S)

Frontier Logging

Lakewood, Colorado

Date MAY 1, 1987

Company: ESE

Bore Hole: EP 53

Project: RMA

County: ADAMS COUNTY | State: COLORADO | Section | Township | Range | Elevation

Log Measured From: Ground Level

Driller Depth: 132 Ft | Meas. Round Trip

Bit Size: 3 7/8" | Standby

Casing Bottom: PVC @ 35' | Time In: 0745 | Time Out: 0835

Fluid in Hole: native mud | Unit No: 110

Density/Viscosity | pH | Operator: Wm. Linton

Driller Measured From: Ground Level | Location: Lakewood

EQUIPMENT DATA

T.D. Logged: 132 Ft

Natural Gamma: 200 Scale = 20 CPS per inch

Time Constant: 2 Sec | Logging Speed: 15 Ft/Min

Calib. Source No. + Value: = CPS

Probe No: 103-1041 | Probe Diameter: 1 5/8"

Detector Type Size: xtal 3/4 x 1 1/4"

K Factor: 1.60 x 10⁻⁵ | Dead Time: 7 Microsec

Water Factor: 1.10 | Hole Size: 3 7/8"

Casing Factor | For Casing Size

Resistance: 40 ohms/5" Ohms per 5 Inches

SP: 20 MV/Inch MV per Inch

NATURAL GAMMA RECORD (ANALOG) (Initial log off scale)

Scale = CPS/in	TC Sec	Logging Speed Ft/Min	From Ft	To Ft	Total Ft
Scale = CPS/in	TC Sec	Logging Speed Ft/Min	From Ft	To Ft	Total Ft
Scale = CPS/in	TC Sec	Logging Speed Ft/Min	From Ft	To Ft	Total Ft
Scale =	TC Sec	Logging Speed Ft/Min	From Ft	To Ft	Total

Gamma (Analog) Ft | Density Source No

Gamma (Digital) Ft | Type

Caliper Ft | CPS/inch

Temperature Ft

DIRECTIONAL DATA

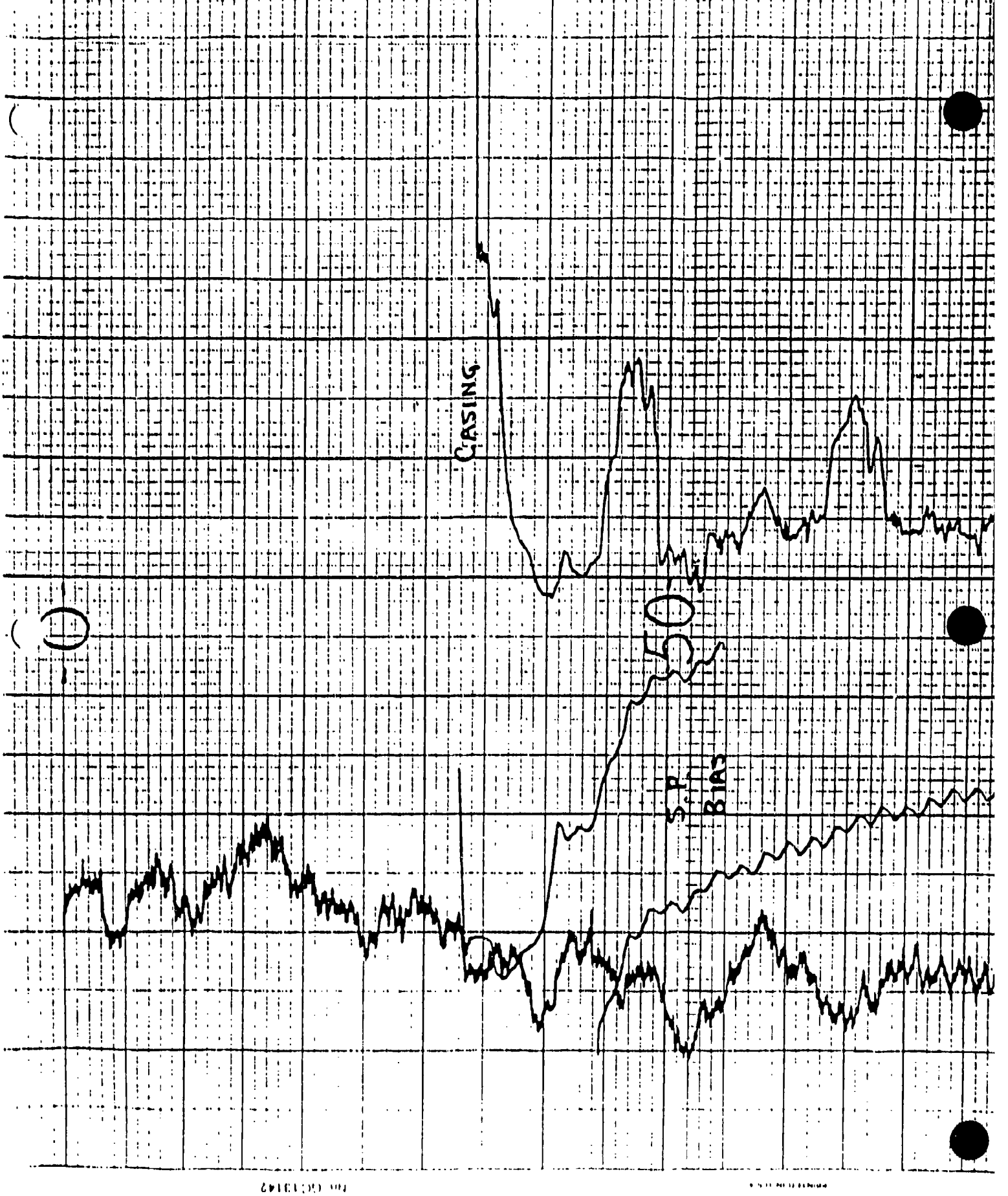
Closure Ft | Neutron Source No | Type | Strength

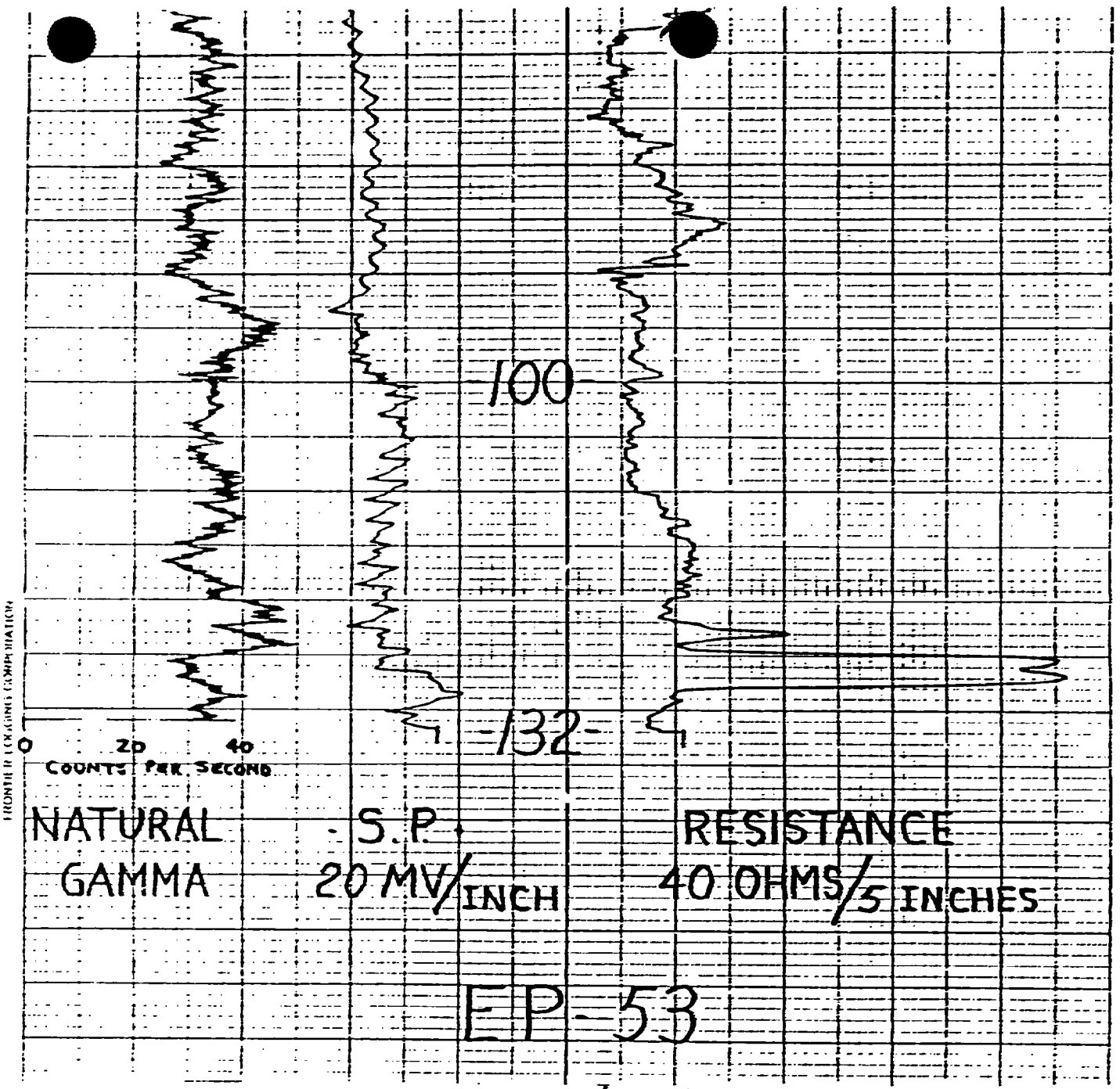
Azimuth | CPS/inch

True Vertical Ft | Survey Depth Ft

NATURAL GAMMA: 20 CPS (Initial Log) | S.P.: - 20 MV + | RESISTANCE: 40 OHMS/ 5 Inches

0 20 40 60


CASING
BIAS


100
132
0
20
40
COUNTS PER SECOND
NATURAL GAMMA
S.P.
20 MV/INCH
RESISTANCE
40 OHMS/5 INCHES
EP-53

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WELL CONSTRUCTION SUMMARY

Borehole EP-53A Well EA-53A SP 23220

Project Name and Location TA-16-44 200 yds NW Bayo Canyon Project Number 17053 022.00

Drilling Company Boyles Bros Driller Dave Trewin Rig Number SYS1

Drilling Method(s) Auger

Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to 39.0 ft. ____ cm.
____ in. ____ cm. ____ ft. ____ cm. to ____ ft. ____ cm.

Size(s) and types of Bit(s) Auger

Size and Type PVC 4" .020 s/or

Total Borehole Depth	39.07 ft. ____ cm.	Sampling Method(s)	Continuous Split Spoon
Depth to Bedrock	38 ft. ____ cm.	Date/Time Start Drilling	5/2/07 / 0855
Depth to Water	35' ft. ____ cm.	Date/Time Finish Drilling	5/9/07 / 1442
Water Level Determined By	SAMPLES	Date/Time Start Completion	5/9/07 / 1442
Length Plain PVC (total)	29.88 GWL 29.56 ft. ____ cm.	Date/Time Cement Protective Casing	5/10/07 / 1000
Length of Screen	10.89 ft. ____ cm.	Materials Used	20 2' TUBES 40 CAPS
Total Length of Well Casing	40.77 ft. ____ cm.	Plain PVC	3 - 10' SECTIONS
PVC Stick Up	1.7 ft. ____ cm.	Slotted PVC	1 - 10' SECTIONS SW
Depth to Bottom of Screen	39.07 ft. ____ cm.	Bentonite Pellets	—
Depth to Top of Screen	28.18 ft. ____ cm.	Bentonite Granular	6 BAGS
Depth to Top of Sand 22.6	28.97 GWL ft. ____ cm.	Cement	11 BAGS
Depth to Top of Bentonite	17.8 ft. ____ cm.	Sand	11 BAGS
		Water added during completion	300 GALS
		Water added during drilling	0
		Total Gallons of water added	300 GALS

Drill Site Geologist [signature] Date 5/13/07

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 5-16-07 TO PICKED

Date/Time/Personnel Casing Painted 06-17-07 0800 RTS DLW

Date/Time/Personnel Numbers Painted 6-17-07 0945 PJB

Materials Used 12 buc of Salvaste

Top of Protective Casing to Top of PVC	~~0.5~~ 1.5W ft.	0.34 cm.	COMMENTS/NOTES
Top of Protective Casing to Weep Hole	~~1.5~~ 2.5W ft.	1.43 cm.	
Top of Protective Casing to Internal Mortar	~~1.5~~ 2.5W ft.	1.43 cm.	
Top of Protective Casing to Top of Cement Pad	~~1.5~~ 1.5W ft.	1.57 cm.	
Top of Protective Casing to Ground Level	~~1.5~~ 1.5W ft.	2.2 cm.	

Reviewed By [signature] Date 7/27/07

Drill Site Geologist ____ Date ____

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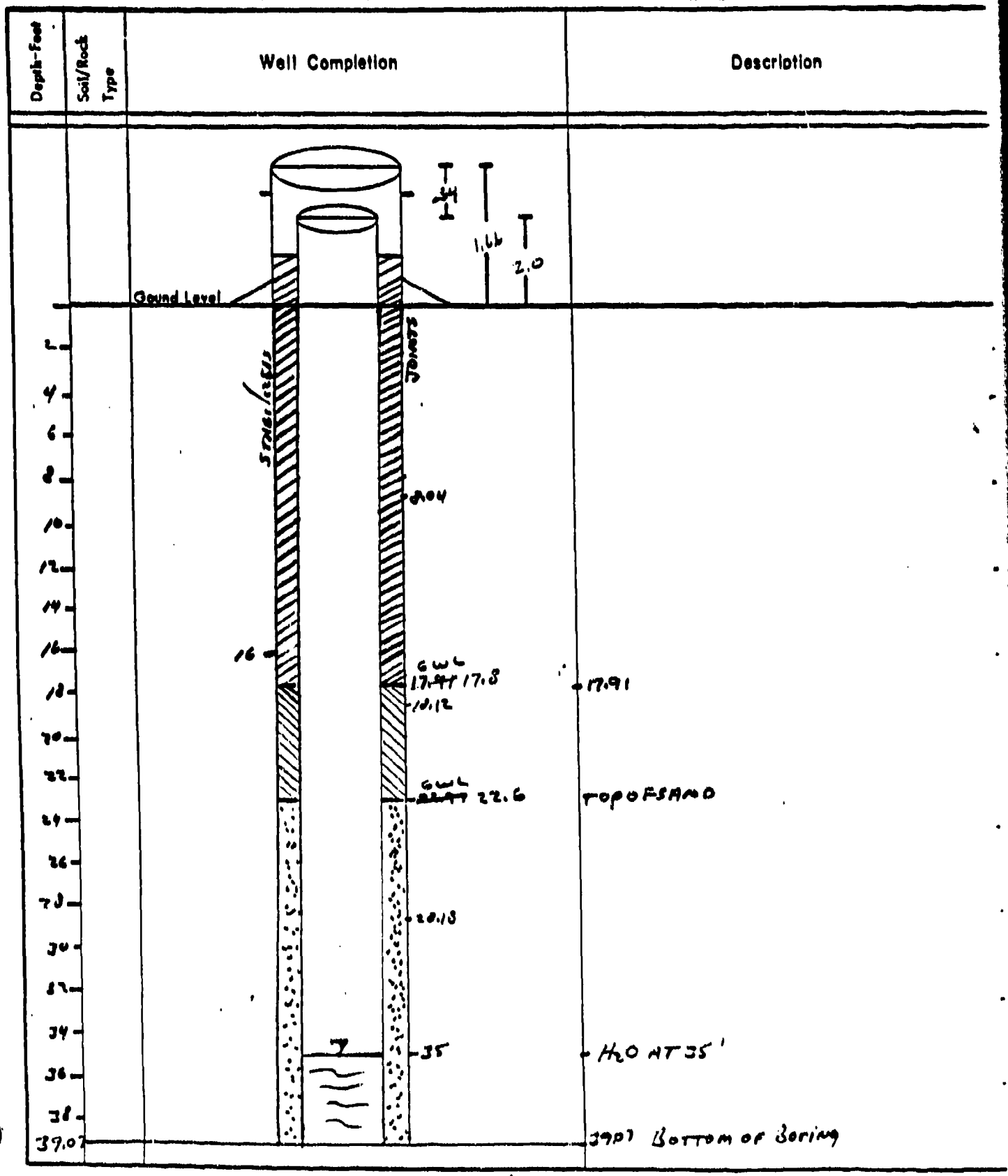
Borehole: EP-53A

Well: 23220 ~~EP-53A~~ SP



Drill Site Geologist: [signature] Date: 5/13/97

Reviewed By: [signature] Date: 7/2/97

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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP 53A Well 23220

Project RMA ON Post Project Number 44

Date(s) Developed 06-22-87 Date Installed 05-07-87

Personnel (Name/Company) PTB ESE Well Diameter (I.D.) X 4 in.

DLW ESE Anulus Diameter 12¼ in. 0 ft. to 39.0 ft.

Rig Used ESE Well Service Truck — in. — ft. to — ft.

Pump (Type/Capacity) GRUNDFOS / 12 GPM Screen Interval 23.18 ft. to 39.0 ft.

Bailer (Type/Capacity) N/A — ft. to — ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 40.65 ft. Bottom of Screen (Below G.L.) 39.0 ft.

(Final) 40.73 ft.

Water Level TOC/Date/Time (Initial) 36.43 06-22-87 0845

(after 24 hrs.) 36.36 6-26-87 1151

Feet of Water in Well 4.22 ft. x 2.32 gallons/foot = 9.79 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 309.79 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 1548.95 gallons

Added Water 300 gallons Total Purge Volume 1550 gallons

Casing/Anulus Volume 9.79 gallons Volume Measured By 5gal Bucket Time

Surge Technique Raise & Lower Pump

Calibration: pH Meter Used: Beckman ϕ21 Digital SN: 015853

pH 7.00 = 7.01 at 22.9 °C, pH 10.00 = 10.04 at 22.2 °C

Conductance Meter Used: Cuckin Matheson Digital SN: 14274

Standard 400 umhos/cm at 25°, Reading 1408 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	0900	23.7	8.09	9405	Silty - brown/gray m-f sand. HNu 0.5 (initial @ well head)
310	1058	16.2	7.43	3510	Slightly silty - H. gray. m-f sand.
Final					

Remarks: HNu at Well Head 6.0 after 10 min

Collected by [signature] 06-22-87
Signature Date

Checked by _____
Signature Date

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WELL DEVELOPMENT DATA

Bore ESSA Well 23220

Project RMA ON Post Project Number

Date(s) Developed 06/23/87 Date Installed 05-07-87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 4 in.

ABW/ESE

Anulus Diameter 12¼ in. 0 ft. to 39.07 ft.

Rig Used ESE Well Service Truck ____ in. ____ ft. to ____ ft.

Pump (Type/Capacity) Grundfos / 2 GPM Screen Interval 23.18 ft. to 39.07 ft.

Bailer (Type/Capacity) N/A ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 1.0 ft.

Measured Well Depth TOC (Initial) 40.65 ft. Bottom of Screen (Below G.L.) 39.07 ft.

(Final) 40.75 ft.

Water Level TOC/Date/Time (Initial) 36.43 06-22-87 0845

(after 24 hrs.) 36.36 6-23-87 1151

Feet of Water in Well 4.22 ft. x 2.32 gallons/foot = 9.79 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 309.78 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 1548.95 gallons

Added Water 300 gallons Total Purge Volume 1550 gallons

Casing/Anulus Volume 9.79 gallons Volume Measured By 5 gal Bucket & Time

Surge Technique Raise & Lower Pump

Calibration: pH Meter Used: Beckman φ21 Digital SN: 015883

pH 7.00 = 7.01 at 21.1 °C, pH 10.00 = 10.05 at 21.2 °C

Conductance Meter Used: CMS SN: 14274

Standard 1430 umhos/cm at 25°, Reading 1409 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 310	0857	16.4	7.37	3500	cloudy, brown, silty & muddy, trace fine sand
620	1054	14.0	7.42	3540	clear, no silt or sand M-8: none.
930	1500	13.7	7.28	3510	clear, no silt or sand M-8: none.
1242	1604	12.6	7.35	3590	slightly cloudy, some silt M-8:
Final					

Remarks: initial: Hnu = 00 ppm, Hnu readings after pumping = 1.5-3.5 ppm. - used 2 more barrels to complete last purge volume! (118 gallons)

Collected by ____ 06.23.87 (Signature / Date)

Checked by ____ / / (Signature / Date)

Calibration solution: (1906)
pH 7.00 = 7.00 @ 21.5°C pH 10.00 = 10.00 @ 26.2°C
conductivity:

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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore ESS A Well 23220

Project RMA ON Post
Project Number
Date(s) Developed 06-24-87
Date Installed 05-07-87
Personnel (Name/Company) PJR ESE
DLW ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 39.07 ft.
in. ft. to ft.
Rig Used ESE Well Service TRUCK
Screen Interval 23.18 ft. to 39.07 ft.
Pump (Type/Capacity) GrundFos / 12 GPM
— ft. to — ft.
Bailer (Type/Capacity) N/A
Casing Height (Above G.L.) 1.7 ft.
Water Source RMA
Measured Well Depth TOC (Initial) 40.65 ft.
Bottom of Screen (Below G.L.) 39.07 ft.
(Final) 40.75 ft.
Water Level TOC/Date/Time (Initial) 36.43 06-22-87 0845
(after 24 hrs.) 36.31 / 06-26-87 / 1151
Feet of Water in Well 4.22 ft. x 2.32 gallons/foot = 9.79 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 309.79 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 1548.95 gallons
Added Water 300 gallons
Total Purge Volume 1550 gallons
Casing/Anulus Volume 9.79 gallons
Volume Measured By 5gal Bucket Timed
Surge Technique Raise & Lower Pump

Calibration: pH Meter Used: Beckman ϕ 21 Digital SN: 015883
pH 7.00 = 7.01 at 20.3 °C, pH 10.00 = 10.06 at 20.3 °C
Conductance Meter Used: CMS SN: 14274
Standard 1408 umhos/cm at 25°, Reading 1408 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 1122	0755	16.7°C	7.36	3550	cloudy, gray-brown, fine-grained M-B neg. formation sand present
1240	0829	13.1	7.37	3600	clear, no color, no odor M-B: neg., no sand/silt
1550	1030	13.9	7.30	3560	clear, no color, no odor no sand/silt, M-B: neg.
Final					

Remarks: Initial HNU = background - 0.2 ppm (at well head)
-NU = background (0.0) ppm after 110 minutes (at well head)
+NU = 2.8 ppm after 145 minutes (at well head)

Collected by [signature] 06-24-87
Signature Date

Checked by [signature]
Signature Date

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WELL CONSTRUCTION SUMMARY

Borehole EP-5301 Well 2322/

Project Name and Location MW Installation Sec. 23 Project Number 17053 083 10

Drilling Company Boyles Driller Roach Rig Number Failing 25

Drilling Method(s) rotary w/ bentonite and

Borehole Diameter 11 7/8 in. ____ cm. 0 ft. ____ cm. to 41 ft. ____ cm.
7 7/8 in. ____ cm. 41 ft. ____ cm. to 50.9 ft. ____ cm.

Size(s) and types of Bit(s) 11 7/8, 7 7/8 blade

Size and Type PVC 4" sched. 40

Total Borehole Depth	49 ft. ____ cm.	Sampling Method(s)	NA
Depth to Bedrock	36 ft. ____ cm.	Date/Time Start Drilling	BIB 5.7.87
Depth to Water	35 ft. ____ cm.	Date/Time Finish Drilling	0904 5.7.87
Water Level Determined By	soil sample saturated	Date/Time Start Completion	5.7.87 0935
Length Plain PVC (total)	45 ~~50.7~~ ft. ____ cm.	Date/Time Cement Protective Casing	5.7.87 1210
Length of Screen	5.70 ft. ____ cm.	Materials Used	—
Total Length of Well Casing	50.7 ft. ____ cm.	Plain PVC	5 x 4.0"
PVC Stick Up	1.7 ft. ____ cm.	Slotted PVC	1 x 5"
Depth to Bottom of Screen	75.49 ft. ____ cm.	Bentonite Pellets	1/4 Inch
Depth to Top of Screen	43.3 ft. ____ cm.	Bentonite Granular	4/5 bag
Depth to Top of Sand	42.3 ft. ____ cm.	Cement	80 gals
Depth to Top of Bentonite	38.3 ft. ____ cm.	Sand	1.25 bags
		Water added during completion	0
		Water added during drilling	0
		Total Gallons of water added	0

Drill Site Geologist C Benson Date 5.7.87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 06-17-87 0730 PJB DLW

Date/Time/Personnel Casing Painted 06-17-87 0830 PJB DLW PJB

Date/Time/Personnel Numbers Painted [illegible] PJB DLW

Materials Used 13 Bags Quick Crete 1 Roll Tin (06-17-87 0845 PJB DLW

Top of Protective Casing to Top of PVC	0.5 ft. ____ cm.	COMMENT/NOTES	
Top of Protective Casing to Weep Hole	0.68 ft. ____ cm.		
Top of Protective Casing to Internal Mortar	0.77 ft. ____ cm.		
Top of Protective Casing to Top of Cement Pad	1.13 ft. ____ cm.		
Top of Protective Casing to Ground Level	2.50 ft. ____ cm.		

Reviewed By [signature] Date [illegible]

Drill Site Geologist ____ Date ____

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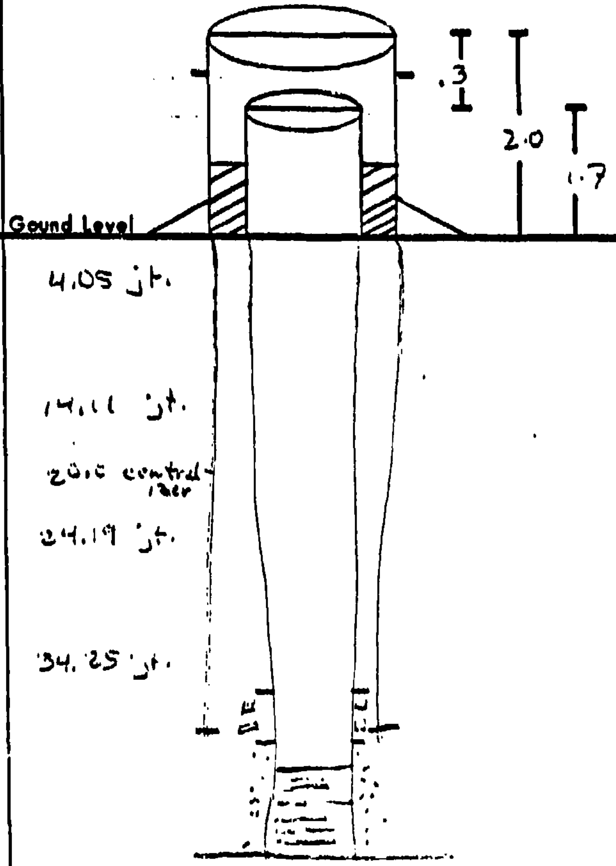
Borehole: E/53D1 Well: 23221

Depth-Feet	Soil/Rock Type	Well Completion	Description
			
5			
10			
15			
20			
25			
30			
35			TOP OF BENTONITE 33.3'
40			8" Steel casing – 41'
			TOP OF SAND 42.5 (*)
45			TOP OF SCREEN 43.5
50			Total Depth 49'
			(*) NOTE: This 1 foot [illegible] where the screen (rather than the standard 3-5') was at the request of Pete [illegible], ESE.

Drill Site Geologist: J. Benson Date: 5-7-87
Reviewed By: [illegible] Date: 4-9-88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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WELL DEVELOPMENT DATA

Bore EP 53-D6 Well 23221

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 06/26/87 Date Installed 05/07/87

Personnel (Name/Company) PJB/ESE Well Diameter (I.D.) 4 in.

DLW/ESE Anulus Diameter 11 3/8 in. 0 ft. to 41 ft.

Rig Used ESE WELL SERVICE TRUCK 7 7/8 in. 41 ft. to 49 ft.

Pump (Type/Capacity) GRUNDFOS / 12 GPM Screen Interval 43.3 ft. to 49 ft.

Bailer (Type/Capacity) N/A ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 49.20 ft. Bottom of Screen (Below G.L.) 49 ft.

(Final) 50.84 ft.

Water Level TOC/Date/Time (Initial) 36.44 / 06-26-87 / 0856

(after 24 hrs.) 36.6 / 6-29-87 / 1145

Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 14.04 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 70.2 gallons

Added Water 0 gallons Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons Volume Measured By 5 GALLON BUCKET / TIMED

Surge Technique BAILER & LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015883

pH 7.00 = 7.00 at 24.4 °C, pH 10.00 = 10.02 at 24.3 °C

Conductance Meter Used: CMS DIGITAL SN: 11339

Standard 1400 umhos/cm at 25°, Reading 1408 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	0915	19.9	12.10	4650	cloudy, grout or bent. & sand settled in bottom
15	1030	22.8	12.29	3280	cloudy, silty w/ grout or bent.
	1133	— well dewatered in 3 1/2 gallons			—
Final				DLW	

M-8 Neg.

Remarks: INITIAL HNU @ WELLHEAD = 0.0 ppm.

SANDPACK VOLUME = 0.852 x 6.7 ft = 5.71 gal. + 8.33 gal. = 14.04 gals. = 1 Purge Volume

Well dewatered @ ≈ 9.0 gal/ft (0 min) 0934

Sandpack = 49.0 − 42.3 = 6.7 ft.

Collected by _____ Signature 06/26/87 Date

Checked by _____ Signature _____ Date

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WELL DEVELOPMENT DATA

Bore EP53D1 Well 23221

Project RMA ON POST
Project Number T-44
Date(s) Developed 07/06/87
Date Installed 05-07-87
Personnel (Name/Company) TLW/ESE
PJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 7/8 in. 0 ft. to 41 ft.
7 7/8 in. 41 ft. to 49 ft.
Rig Used ESE well service TRUCK
Pump (Type/Capacity) NA
Screen Interval 43.3 ft. to 49 ft.
Bailer (Type/Capacity) 3.85" X 2'
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 49.20 ft.
Bottom of Screen (Below G.L.) 49 ft.
(Final) 50.84 ft.
Water Level TOC/Date/Time (Initial) 36.44 06-26-87 0856 (36.44 07-06-87 0747)
(after 24 hrs.) ~~[illegible]~~ 36.6 7/28/87 1145
Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 14.04 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water 0 gallons
Total Purge Volume 176 gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 gal Bucket
Surge Technique Bailing

Calibration: pH Meter Used: Beckman Φ21 SN: 015883
pH 7.00 = 7.00 at 24.1 °C, pH 10.00 = 10.03 at 23.6 °C
Conductance Meter Used: LMS Digital SN: 14274
Standard 1000 umhos/cm at 25°, Reading 1002 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 19	0801	12.4	12.61	4210	very slightly cloudy, some formation sand.
35	0958	13.5	12.71	5830	cloudy, sand & gravel present
40	1050	14.6	12.63	5570	very cloudy w/bentonite/grout
41	1405	14.0	12.67	5400	slightly cloudy gray w/ silt.
46	1409	12.3°	12.74	5410	cloudy w/ gray silt, grout
Final	TLW	dewatered			

Remarks: 6.7 Ft SAND Pack X .852 = 5.71 + 8.33 = 14.04 CASING/anulus Vol ; Well dewatered @ ≈ 11½ gallons on 1st purge ; well dewatered @ 7 gallons on 2nd purge HNU @ wellhead = 0.0 ppm initially ; well dewatered at 3 gallons on 3rd purge.

Collected by [signature] 07/06/87
Signature Date

Checked by [signature] [illegible]
Signature Date

Recalibration @ 1320 SN 015883
pH 7.00 = 6.98 @ 32.1°C
pH 10.00 = 9.95 @ 32.5°C
[illegible] 14274

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WELL DEVELOPMENT DATA

Bore EP 53 D-L Well 2.3221

Project RMA ON-POST Project Number T-44

Date(s) Developed 07/07/87 Date Installed 05-07-87

Personnel (Name/Company) DCW/ESE Well Diameter (I.D.) 4 in.

DJB/ESE Anulus Diameter 11 3/4 in. 0 ft. to 41 ft.

Rig Used ESE well sounding rig 7 7/8 in. 41 ft. to 49 ft.

Pump (Type/Capacity) N/A Screen Interval 43 ft. to 49 ft.

Bailer (Type/Capacity) 3.85 x 2' — ft. to — ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 49.20 ft. Bottom of Screen (Below G.L.) 49 ft.

(Final) — ft.

Water Level TOC/Date/Time (Initial) 36.44/06-24-87 (37.13/7-7-87/07M)

(after 24 hrs.) 36.6 7/28/87 1145

Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 14.04 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 70.2 gallons

Added Water 0 gallons Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons Volume Measured By 5 gallon bucket

Surge Technique Bailing

Calibration: pH Meter Used: Beckman φ21 SN: 015883

pH 7.00 = 7.02 at 18.3 °C, pH 10.00 = 10.08 at 18.1 °C

Conductance Meter Used: CMS Digital SN: 14274

Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 46	0721	12.6	12.83	5050	mostly clear - some settlement of fm. Sand
58	0731	12.7	12.91	5490	cloudy, gray bentonite/grout
Final					DJW

Remarks: Initial HNU at wellhead = 0.2 ppm (0715); Well developed @ 12 gallons (0731);

Sand Pack vol:
0.7 ft sand pack x 0.8 = 5.71 gal.
Anulus volume = 8.33 + 5.71 = 14.04 = one vol.

Collected by _____ Signature 7/7/87 Date

Checked by _____ Signature Date

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WELL DEVELOPMENT DATA

Bore EP53D1 Well 23221

Project RMA ON POST
Project Number T-44
Date(s) Developed 07-09-87
Date Installed 05-07-87
Personnel (Name/Company) DLW / ESE, PJB / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/8 in. 0 ft. to 44 ft.
7 7/8 in. 44 ft. to 49 ft.
Rig Used ESE WELL SERVICE TRUCK
Screen Interval 43.3 ft. to 49 ft.
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.35 x 2'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 49.20 ft.
(Final) ft.
Bottom of Screen (Below G.L.) 49 ft.
Water Level TOC/Date/Time (Initial) 36.44 / 06-26-87 / 0856 (36.44 / 07-06-87 / 0747)
(after 24 hrs.) 36.6 6/29/87 1145
Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 14.04 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water 0 gallons
Total Purge Volume 176 gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015883
pH 7.00 = 7.03 at 17.1 °C, pH 10.00 = 10.09 at 17.4 °C
Conductance Meter Used: CMS DIGITAL SN: 14243
Standard 1408 umhos/cm at 25°, Reading 1406 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 46 DW 58	0759	12.3	12.74	6780	mostly clear
71	0809	12.4	12.86	8020	Cloudy w/ some dissolved lantanite & formation sand
Final					

Remarks: Well developed in 13 gallons (0809)

Sand pack = 6.7 ft x .852 gal/ft = 5.71 gal
5.71 + 8.33 = 14.04 gallons = 1 purge vol.

Collected by [signature] 07/08/87
Signature Date
Checked by [signature]
Signature Date

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7332 SOUTH ALTON WAY • SUITE H-1
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WELL DEVELOPMENT DATA

Bore 5D53D1 Well 23221

Project _____ Project Number T-44

Date(s) Developed 7/13/87 Date Installed 5-7-87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

ABW/ESE Anulus Diameter 11¾ in. 0 ft. to 41 ft.

Rig Used ESE WELL SERVICE TRUCK 7⅞ in. 41 ft. to 49 ft.

Pump (Type/Capacity) N/A Screen Interval 433 ft. to 49 ft.

Bailer (Type/Capacity) 3.85 x 2' — ft. to — ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 4930 ft. Bottom of Screen (Below G.L.) 49 ft.

(Final) ____ ft.

Water Level TOC/Date/Time (Initial) 36.44/7-26-87/856 (36.44/7-6-87/0747)

(after 24 hrs.) 36.6 7/27/87 1105

Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 14.02 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 70.2 gallons

Added Water 0 gallons Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015353

pH 7.00 = 7.01 at 14.7 °C, pH 10.00 = 10.12 at 15.2 °C

Conductance Meter Used: CMS DIGITAL SN: 14274

Standard 1408 umhos/cm at 25°, Reading 1409 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 71	0904	11.9°C	12.75	5820	MOSTLY CLEAR
84	0914	12.0°C	12.93	8120	cloudy w/ grey dissolved BENTONITE & FORMATION SAND
Final				N.A.	

Remarks: Initial LNU @ wellhead = 0.0 ppm
Well dewatered at 13 GALLONS.

Sand pack vol = 6.7' x .862 gal/ft = 5.71 gal

5.71 + 8.33 = 14.04 gal = 1 purge vol.

Collected by _____ 7/13/87
Signature Date

Checked by _____
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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WELL DEVELOPMENT DATA

Bore EPS3DL Well 23221

Project RMA ON POST Project Number TASK 44

Date(s) Developed 7/14/87 Date Installed 5-7-87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

ABW/ESE Anulus Diameter 11" in. 0 ft. to 41 ft.

Rig Used ESE well service truck 28 in. 41 ft. to 49 ft.

Pump (Type/Capacity) N/A Screen Interval 43.3 ft. to 49 ft.

Bailer (Type/Capacity) 3.45 x 2' ~~43.3~~ ft. to ~~49~~ ft.

Water Source RMA Casing Height (Above G.L.) 47 ft.

Measured Well Depth TOC (Initial) 45.20 ft. Bottom of Screen (Below G.L.) 49 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 36.44 / 0610-21-87) (36.44 / 7-16-87 / 0747)

(after 24 hrs.) 36.6 9/24/87 1145

Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 141.02 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 70.2 gallons

Added Water 0 gallons Total Purge Volume 176 gallons

Casing/Anulus Volume 9.33 gallons Volume Measured By STAKE BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: #015883 (BECKMAN Ø 21 pH METER)

pH 7.00 = 7.07 at 20.4 °C, pH 10.00 = 10.07 at 20.4 °C

Conductance Meter Used: #14274 (CWLS DIGITAL)

Standard 1408 umhos/cm at 25°, Reading 1408 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 84	0837	12.3	12.66	7380	clear
96+	0850	12.2	12.71	8070	cloudy, gray dissolved iron & formation sand.
Final					

Remarks: Initial HNU @ well head = 0.0 ppm. Well dewatered in 12+ gallons

1 purge vol. = 5.71 (sand pack vol.)
+ 8.33 (casing/annulus vol.)
14.04 gal.

Collected by [signature] 7/14/87
Signature Date

Checked by [signature]
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-53 DI. Well 23221

Project RMA ON POST Project Number TASK 44

Date(s) Developed 7/20/87 Date Installed 5-7-87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

ABW/ESE Anulus Diameter 13½ in. 0 ft. to 41 ft.

Rig Used ESE WELL SERVICE TRUCK 2¾ in. 41 ft. to 49 ft.

Pump (Type/Capacity) N/A Screen Interval 43.3 ft. to 49 ft.

Bailer (Type/Capacity) 3.65" x 2.0' — ft. to — ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 45.20 ft. Bottom of Screen (Below G.L.) 49 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 36.44/06-26-87/0856 (36.44/7-6-87/0747) (

(after 24 hrs.) 36.6 11 24 87 1145

Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 14.02 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 70.7 gallons

Added Water 0 gallons Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Ø 21 SN: 015883

pH 7.00 = DW Temp 7.00 at DW Temp 5.4 24 °C, pH 10.00 = 10.00 at 26.5 °C

Conductance Meter Used: CMS DIGITAL SN: 14243

Standard 1000 umhos/cm at 25°. Reading 1002 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25 °C	Physical Characteristics (clarity, odor, sand content, color)
Initial 96 ½	1050	13.4	12.49	4030	clear
108	1100	12.8	12.73	6040	somewhat cloudy w/ dissolved bentonite & fm. sand
Final					DLW

DEVELOPED

Remarks: Initial HNU @ wellhead = 0 ppm (7/20/87: 1025)

Well dewatered in 11½ gallons.

1 Purge vol = 5.71 (Sand pack vol.)
+ 8.33 (casing/annulus vol.)
14.04 gals

Collected by [signature] 7/21/87
Signature Date

Checked by [signature] 7/21/87
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-53 D1 Well 23221

Project RMA ON POST Project Number TASK 44

Date(s) Developed 7/24/87 Date Installed 5-7-87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

MW/ESE Anulus Diameter 11¾ in. 0 ft. to 41 ft.

Rig Used ESE WELL SERVICE TRUCK 7⅞ in. 41 ft. to 49 ft.

Pump (Type/Capacity) N/A Screen Interval 47.3 ft. to 49 ft.

Bailer (Type/Capacity) 3.85" x 2.0' — ft. to — ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 48.20 ft. Bottom of Screen (Below G.L.) 49 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 36.44 / 8-26-87 / 0856

(after 24 hrs.) 36.6 9/28/87 1145

Feet of Water in Well 12.76 ft. x .653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 402 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 702 gallons

Added Water 0 gallons Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique SWABBING

Calibration: pH Meter Used: BECKMAN 1521 SN: 015083

pH 7.00 = 7.00 at 25.2 °C, pH 10.00 = 10.01 at 25.0 °C

Conductance Meter Used: CAMS DIGITAL SN: 424 SN 14243

Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 108	0806	13.3	12.40	4320	clear.
120	0822	13.0	12.52	5590	cloudy w/ dissolved bentonite ?, silt
Final					DLW

Remarks: Initial HNU @ wellhead = 12.8 ppm ! 7/24/87 0745

Developed to 120 gallons.

1 Purge Vol = 5.71 Sand Pack Vol.
+ 8.33 Casing/Anulus Vol.
14.04 gallons

Collected by [signature] 7-28-87
Signature Date

Checked by [signature] 7/31/87
Signature Date

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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore ER53 D1 Well 23221

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 7/27/87
Date Installed 5/7/87
Personnel (Name/Company) DLW/EGE
PFB/EGE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11¾ in. 0 ft. to 41 ft.
7⅞ in. 41 ft. to 49 ft.
Rig Used EGE-WELL SERVICE TRUCK
Screen Interval 43.3 ft. to 49 ft.
Pump (Type/Capacity) N/A
— ft. to — ft.
Bailor (Type/Capacity) 3.88" X 2.0'
Casing Height (Above G.L.) 1.7 ft.
Water Source RMA
Bottom of Screen (Below G.L.) 49 ft.
Measured Well Depth TOC (Initial) 45.20 ft.
(Final) ____ ft.
Water Level TOC/Date/Time (Initial) 36.44 / 6-26-87 / 0856
(after 24 hrs.) 36.6 / 9-28-87 / 1145
Feet of Water in Well 12.76 ft. x .653 gallons/foot = 8.33 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 140.2 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 70.2 gallons
Added Water 0 gallons
Total Purge Volume ≈ 176 gallons
Casing/Anulus Volume 8.33 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Ø 21 SN: 015883
pH 7.00 = 7.00 at 25.4 °C, pH 10.00 = 10.01 at 25.1 °C
Conductance Meter Used: CHS DIGITAL SN: 14775
Standard 1000 umhos/cm at 25°, Reading 1003 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 120	0814	13.0	12.64	4750	clear.
131	0824	12.7	12.84	5590	cloudy w/ dissolved materials, silt & some fin. sand.
Final					

Remarks: Initial HNU @ wellhead = 13.5 ppm
Well dewatered in 11 gallons.

1 Purge Vol. = 5.71 Sand Pack Vol.
+ 8.33 Casing/Anulus Vol.
14.04 Gallons

Collected by _____ 7/27/87
Signature Date
Checked by _____
Signature Date

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WELL DEVELOPMENT DATA

Bore BP 53 D1 Well 22224

Project RMA - ON-POST Project Number TASK 44 DW

Date(s) Developed 7/28/87 Date Installed 5/7/87

Personnel (Name/Company) DEW / ESE Well Diameter (I.D.) 4 in.

PJB / ESE Anulus Diameter 11 3/4 in. 0 ft. to 41 ft.

Rig Used ESE well service truck 7 7/8 in. 41 ft. to 49 ft.

Pump (Type/Capacity) N/A Screen Interval 43.3 ft. to 49 ft.

Bailer (Type/Capacity) 3.85" x 20' ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 45.20 ft. Bottom of Screen (Below G.L.) 49 ft.

(Final) ____ ft.

Water Level TOC/Date/Time (Initial) 26.44 / 6-26-87 / 0856

(after 24 hrs.) 34.6 9/28/87 1145

Feet of Water in Well 12.26 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 14.02 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 30.2 gallons

Added Water 0 gallons Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN ϕ 21 SN: 015883

pH 7.00 = 7.00 at 24.2 °C, pH 10.00 = 10.02 at 24.7 °C

Conductance Meter Used: CMS 260/ITHC

Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 131	0807	12.5	12.62	4790	clear
153	0819	12.7	12.76	5040	cloudy w/ dissolved grey bentonite + ¼ fine sand
Final					DLW

Remarks: ~~Initial flow @ wellhead = 0.0 ppm.~~ DW flow wouldn't working! (See previous readings)
Well dewatered in 12 gallons.

1 Purge Vol = 5.71 Sandpack vol.
+ 8.33 Casing/Anulus Vol.
14.04 gallons

Collected by [signature] 7/28/87
Signature Date

Checked by [signature]
Signature Date

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WELL DEVELOPMENT DATA

Bore EP 53 D1 Well 23221

Project RMA - ON-POST Project Number TASK 44 DW

Date(s) Developed 8/4/87 Date Installed 5/7/87

Personnel (Name/Company) TLW / ESE Well Diameter (I.D.) 4 in.

JEP / HLA Anulus Diameter 11 1/8 in. 0 ft. to 41 ft.

Rig Used ESE WELL SERVICE TRUCK 7 7/8 in. 41 ft. to 49 ft.

Pump (Type/Capacity) N/A Screen Interval 43.3 ft. to 49 ft.

Bailer (Type/Capacity) 3.85" x 20' — ft. to — ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 45.20 ft. Bottom of Screen (Below G.L.) 49 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 36.44 / 6-26-87 / 0856

(after 24 hrs.) 36.6 9-28-87 1141

Feet of Water in Well 12.76 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 14.02 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 70.2 gallons

Added Water 0 gallons Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015883

pH 7.00 = 7.01 at 20.7 °C, pH 10.00 = 10.04 at 20.4 °C

Conductance Meter Used: CMS DIGITAL SN

Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25 °C	Physical Characteristics (clarity, odor, sand content, color)
Initial 153	0711	12.7	12.53	4110	clear.
165	0722	12.5	12.67	4990	partly cloudy w/ some silt. some bentonite
Final					

Remarks: Initial chloride without = 0.0 ppm

Well developed in 12 gallons.

Purge vol = 5.71 sand pack vol.
+ 8.33 casing vol.
14.04 gallons

Collected by [signature] 9/4/87
Signature Date

Checked by [signature] 9/10/87
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-52D1 Well 23221

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 8/11/87 Date Installed 5/7/87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

PJB/ESE Anulus Diameter 11 3/8 in. 0 ft. to 41 ft.

Rig Used ESE WELL SERVICE TRUCK 2 1/2 in. 41 ft. to 49 ft.

Pump (Type/Capacity) N/A Screen Interval 43.3 ft. to 49 ft.

Bailer (Type/Capacity) 3.55" X 2.0' ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 49.20 ft. Bottom of Screen (Below G.L.) 49.0 ft.

(Final) 50.84 ft.

Water Level TOC/Date/Time (Initial) 36.44 / 6-26-87 / 0856

(after 24 hrs.) 36.6 / 06-28-87 / 1145

Feet of Water in Well 12.26 ft. x 0.653 gallons/foot = 8.33 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 14.02 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 70.2 gallons

Added Water Ø gallons Total Purge Volume 176 gallons

Casing/Anulus Volume 8.33 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Ø21 SN: 015683

pH 7.00 = 7.00 at 23.7 °C, pH 10.00 = 10.07 at 23.5 °C

Conductance Meter Used: CWS DIGITAL SN: 11341

Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 165	0856	12.6	12.53	3800	clear
FINAL 176	0908	12.6	12.70	5050	Cloudy w/ light gray silt, dissolved particles. Some black/gray formation sand.
					DLW

Remarks: Initial HNU @ well head = 1.0 ppm

Well developed in 11 gallons

Purge vol. = 5.71 sand packed.
+ 8.33 casing vol.
14.04 total

Collected by [signature] Date 8/11/87

Checked by [signature] Date

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WELL CONSTRUCTION SUMMARY

Borehole EP 53-D2 Well ~~EP~~ 23222

Project Name and Location RMA Project Number T44

Drilling Company Bayles Bros. Driller R. Beach Rig Number

Drilling Method(s) Rotary

Borehole Diameter	17 1/2"	in.	cm.	0	ft.	cm. to 40'	ft. cm.
	11 1/2 in. / 7 7/8"		cm.	40 / 50	ft.	cm. to 50 / 70.3	ft. cm.

Size(s) and types of Bit(s) 17 1/2", 11 1/2", 7 7/8" blade bits

Size and Type PVC 4" schedule 40

Total Borehole Depth	70.3	ft.	cm.		
Depth to Bedrock	37	ft.	cm.		
Depth to Water	—	ft.	cm.		
Water Level Determined By	—				
Length Plain PVC (total)	60.9	ft.	cm.		
Length of Screen	10.7	ft.	cm.		
Total Length of Well Casing	71.7	ft.	cm.		
PVC Stick Up	1.4	ft.	cm.		
Depth to Bottom of Screen	70.3	ft.	cm.		
Depth to Top of Screen	59.6	ft.	cm.		
Depth to Top of Sand	57.6	ft.	cm.		
Depth to Top of Bentonite	52.6	ft.	cm.		

Sampling Method(s) NA

Date/Time Start Drilling 8:00 5/15/87

Date/Time Finish Drilling 9:30 5/15/87

Date/Time Start Completion 9:30 5/15/87

Date/Time Cement Protective Casing 12:00 5/15/87

Materials Used

Plain PVC 6 x 10', 1 x 5'

Slotted PVC 1 x 10'

Bentonite Pellets 1.5 buckets

Bentonite Granular 1.2 bags

Cement 12 bags

Sand 2 bags

Water added during completion none

Water added during drilling none

Total Gallons of water added 0

Drill Site Geologist C. M. Walker Date 5/15/87

7/23/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 06-1980 2800

Date/Time/Personnel Casing Painted 7/23/87

Date/Time/Personnel Numbers Painted 7/23/87

Materials Used 18 Bags Quick-Crete Roll Lawn Edging ½ Bag cement / Bentonite Sand

Top of Protective Casing to Top of PVC	0.55	ft.	cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.24	ft.	cm.	
Top of Protective Casing to Internal Mortar	1.10	ft.	cm.	
Top of Protective Casing to Top of Cement Pad	1.45	ft.	cm.	
Top of Protective Casing to Ground Level		ft.	cm.	

Reviewed By Date

Drill Site Geologist Date

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Borehole: EP 53 D2 Well: 23222

Depth-Feet	Soil/Rock Type	Well Completion	Description
0		.85 joint Ground Level; 2; 1.45	
5			12" 0-40' steel casing
10		joint 9.21	8" 0-50 steel casing
15			4" PVC 0-70.3
20		joint 19.28	
25			
30		joint 29.36	
35			
40		joint 39.45	
45			
50		joint 49.61	Top of Bentonite 52.6
55			Top of sand 57.6
60			Top of screen 59.6
65			
70			
75			TD 70.3

Drill Site Geologist: _____ Date: _____

Reviewed By: _____ Date: _____

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WELL DEVELOPMENT DATA

Bore EPS3D2 Well 23222

Project RMA ON-POST
Project Number T44
Date(s) Developed 07/06/87
Date Installed 05/15/87
Personnel (Name/Company) DLW/ESE, JOB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 17½ in. 0 ft. to 40 ft.
11¼ in. 40 ft. to 50 ft.
Rig Used ESE well service truck
Screen Interval 60.3 ft. to 70.3 ft.
Pump (Type/Capacity) N/A
Baller (Type/Capacity) 3.85" x 2'
Water Source RMA
Casing Height (Above G.L.) 1.4 ft.
Measured Well Depth TOC (Initial) 70.0 ft.
Bottom of Screen (Below G.L.) 70.3 ft.
(Final) ft.
Water Level TOC/Date/Time (Initial) 35.76/1105/07-06-87
(after 24 hrs.) 35.83/9-25-87/1135
Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 32.92 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 164.6 gallons
Added Water 5 gallons
Total Purge Volume gallons
Casing/Anulus Volume 22.36 gallons
Volume Measured By 5 gallon bucket
Surge Technique Bailer

Calibration: pH Meter Used: Beckman φ21 SN: 015883
pH 7.00 = 6.99 at 28.0 °C, pH 10.00 = 9.98 at 28.2 °C
Conductance Meter Used: CMS DIGITAL SN: 14274
Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	1123	13.3	12.00	1144	mostly clear – very slightly cloudy w/ silt
32	1152	14.0	12.45	2800	very cloudy w/ gray bentonite
33	1330	13.7	12.40	2880	mostly clear, some silt
39	1336	13.8	12.27	2110	very cloudy w/ gray bent./gravel silt
		dewatered			
Final				→	DLW

Remarks: Initial: HNU = 10.0 ppm; dewatered well @ 32 gallons; purge volume @ 32 gallons is ± hour recharge. - developed again @ 39 gallons.
Recalibration: pH = 6.98 @ 32.1°C / pH 7.00 = 6.95 @ 32.5°C SN: 015883 / pH 10.00 = 9.95 @ 32.5°C SN: 015883
Cond. Reading = 1002; Std = 1000 SN: 14274

10.0
5.76
12.4

Sand Pack Volume:
12.4 ft sand pack x .852 gal/ft = 10.56 gal

Collected by [signature] 07.06.87 (Signature / Date)
Checked by (Signature / Date)

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WELL DEVELOPMENT DATA

Bore EP 53 D2 Well 23222

Project RMA ON-POST Project Number T44

Date(s) Developed 07/07/87 Date Installed 5/15/87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) ___ in.

DJB/ESE Anulus Diameter 12¼ in. 0 ft. to 40 ft.

Rig Used ESE WELL SERVICE TRUCK 11¼ in. 40 ft. to 50 ft.

Pump (Type/Capacity) N/A Screen Interval 50 / 50.6 ft. to 70.3 / 70.3 ft.

Bailer (Type/Capacity) 3.85" x 2' ___ ft. to ___ ft.

Water Source RMA Casing Height (Above G.L.) 1.4 ft.

Measured Well Depth TOC (Initial) 70.0 ft. Bottom of Screen (Below G.L.) 70.3 ft.

(Final) ___ ft.

Water Level TOC/Date/Time (Initial) 35.76/7-06-87/1105 (34.46/7-7-87/0746)

(after 24 hrs.) 35.83 9-2-87 1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 32.42 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 164.60 gallons

Added Water 0 gallons Total Purge Volume ___ gallons

Casing/Anulus Volume 22.36 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILER

Calibration: pH Meter Used: BECKMAN Ø 21 SN: 015883

pH 7.00 = 7.02 at 18.3 °C, pH 10.00 = 10.08 at 18.1 °C

Conductance Meter Used: CMS DIGITAL SN: 14274

Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 40	7:57	12.8	12.43	2090	Cloudy Gray & it
66	8:22	13.0	12.53	2390	Muddy Gray/BLACK ... bentonite?
Final					DLW

Remarks: Initial: HNU @ wellhead = 0.3 ppm ; well developed @ 27 gallons

Sand Pack Vol:

70.0 − 57.6 = 12.4 ft sandpack × 0.852 gal/ft = 10.56 gal

10.56 gal + 22.36 casing anulus vol = Purge value 32.92

Collected by [signature] 07-07-87
Signature Date

Checked by ___
Signature Date

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WELL DEVELOPMENT DATA

Bore EP 53 D2 Well 23222

Project RMA ON POST
Project Number T44
Date(s) Developed 07-09-87
Date Installed 05/15/87
Personnel (Name/Company) DLW/ESE
DJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 17½ in. 0 ft. to 46 ft.
* 11½ in. 46 ft. to 50 ft.
Rig Used ESE WELL SERVICE TRUCK
Screen Interval 59.6 ft. to 70.3 ft.
Pump (Type/Capacity) N/A
ft. to ft.
Bailer (Type/Capacity) 3.85" x 2'
Casing Height (Above G.L.) 1.4 ft.
Water Source RMA
Measured Well Depth TOC (Initial) 70.0 ft.
Bottom of Screen (Below G.L.) 70.3 ft.
(Final) ft.
Water Level TOC/Date/Time (Initial) 35.76/7-06-87/1105 (41.46/7-07-87/0746) (36.0/7-09-87/08
(after 24 hrs.) 35.53 4-25-87 1135
Feet of Water in Well 34.24 ft. x 0.657 gallons/foot = 22.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 32.92 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 164.60 gallons
Added Water 0 gallons
Total Purge Volume gallons
Casing/Anulus Volume 22.36 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Ø 21 SN: 015883
pH 7.00 = 7.03 at 17.1 °C, pH 10.00 = 10.09 at 17.4 °C
Conductance Meter Used: CMS DIGITAL SN: 14243
Standard 1408 umhos/cm at 25°, Reading 1406 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 06	0836	12.6	12.08	2530	Mostly clear.
99	0859	13.0	12.34	3090	cloudy w/ dissolved gray bentonite.
Final					DLW

Remarks: Initial HNU @ wellhead = 0.0 ppm. ; well dewatered in 33 gallons (0859)

Collected by [signature] 07/08/87
Signature Date
Checked by
Signature Date

* 17½" 50 ft. to 76.3 ft.
Sand Pack Vol.
12.4 ft x .852 gal/ft = 10.56 gal

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WELL DEVELOPMENT DATA

Bore EP 53D2 Well 23222

Project RMA ON POST Project Number T44

Date(s) Developed 7/13/87 Date Installed 5/15/87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

ABW/ESE Anulus Diameter 17½ in. 0 ft. to 40 ft.

Rig Used ESE WELL SERVICE TRUCK × 11¼ in. 40 ft. to 50 ft.

Pump (Type/Capacity) N/A Screen Interval 59.6 ft. to 70.3 ft.

Bailer (Type/Capacity) 3BS x 2' ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.4 ft.

Measured Well Depth TOC (Initial) 70.6 ft. Bottom of Screen (Below G.L.) 70.3 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105 (41.46/7-7-87/0746) (36.0/7-9-87/0824)

(after 24 hrs.) 35.87 7/25-87 1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 32.92 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 164.60 gallons

Added Water 0 gallons Total Purge Volume gallons

Casing/Anulus Volume 22.36 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Ø21 SN: 015883

pH 7.00 = 7.04 at 14.7 °C, pH 10.00 = 10.12 at 15.2 °C

Conductance Meter Used: CMS DIGITAL SN: 12/274

Standard 1408 umhos/cm at 25°, Reading 1409 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 99	0944	12.1	12.03	2390	clear
133	1019	12.7	12.05	2310	cloudy w/ grey silt.
Final					DLW

Remarks: Initial: HNU @ wellhead = 0.0 ; Well dewatered in 34 gallons (± 2 gallons) @ 73/4" South to 70.3 ft.

Collected by [signature] 7/13/87
Signature Date

Checked by ✓ [signature]
Signature Date

Sand Pack Vol:
12.1 ft. x .852 gal/ft = 10.56 gal.
10.56 + 22.36 = 32.92 = 1 purge vol.

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WELL DEVELOPMENT DATA

Bore EP 53D2 Well 23222

Project RMA ON POST Project Number TASK 44

Date(s) Developed 7/14/87 Date Installed 5/15/87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

ABW/ESE Anulus Diameter 17½ in. 0 ft. to 40 ft.

Rig Used ESE WELL SERVICE TRUCK & 11¾ in. 40 ft. to 50 ft.

Pump (Type/Capacity) N/A Screen Interval 59.6 ft. to 70.3 ft.

Bailer (Type/Capacity) 3.85 x 2' ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.4 ft.

Measured Well Depth TOC (Initial) 70.0 ft. Bottom of Screen (Below G.L.) 70.3 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105 (41.46/7-7-87/0746) (36.0/7-9-87/0824)

36.24 (after 24 hrs.) 35.83 9-25-87 1135

Feet of Water in Well ~~12.76~~ 22.36 ft. x 0.653 gallons/foot = ~~8.33~~ 14.60 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 32.92 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 164.60 gallons

Added Water 0 gallons Total Purge Volume gallons

Casing/Anulus Volume ~~8.33~~ 22.36 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015883

pH 7.00 = 7.07 at 20.4 °C, pH 10.00 = 10.07 at 20.4 °C

Conductance Meter Used: CMS DIGITAL SN: 14274

Standard 1408 umhos/cm at 25°, Reading 1408 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 133	0929	12.6°C	11.71	2220	clear.
167	1007	13.1°C	12.08	2810	cloudy w/grey silt (some dissolved bentonite)
Final					DLW

Remarks: Initial HNU @ well head = 0.0 ppm (7-14-87, 0920)

Well DE-WATERED AT 34 GALS 7/14/87

1 Purge vol = 10.56 gal (Sand pack vol.)

+ 22.36 gal (casing/annulus vol)

32.92 gal.

Collected by _____ 7/14/87

Signature Date

Checked by _____

Signature Date

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WELL DEVELOPMENT DATA

Bore EP-53 D2 Well 23222

Project TNA ON POST
Project Number T+SK 44
Date(s) Developed 7/20/87
Date Installed 5/15/87
Personnel (Name/Company) DLW/ESE
ABW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 17½ in. 0 ft. to 40 ft.
* 11½ in. 40 ft. to 50 ft.
Rig Used ESE WELL SERVICE TRUCK
Screen Interval 58.6 ft. to 70.3 ft.
Pump (Type/Capacity) N/A
ft. to ft.
Bailer (Type/Capacity) 3.35" X 2.0'
Casing Height (Above G.L.) 1.4 ft.
Water Source RIVER
Measured Well Depth TOC (Initial) 70.0 ft.
Bottom of Screen (Below G.L.) 70.3 ft.
(Final) ft.
Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105 (41.46/7-7-87/0746) (36.0/7-9-87/0824)
(after 24 hrs.) 35.83 7-25-87 1135
Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 32.92 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 164.60 gallons
Added Water 0 gallons
Total Purge Volume gallons
Casing/Anulus Volume 22.36 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015883
pH 7.00 = 7.00 at 26.1 °C, pH 10.00 = 10.00 at 26.5 °C
Conductance Meter Used: CMS DIGITAL SN: 14243
Standard 1000 umhos/cm at 25°, Reading 1002 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 167	11:33	13.0	11.76	1589	PARTIALLY CLEAR GREY SILT
199	12:09	14.3°	12.02	1953	CLOUDY W/ MUCH FINE GREY SAND
Final					DLW

Remarks: Well developed in 32 gallons (7/20/87, 1209)
Initial DTW to well head = 0.0 from 7/20/87, 1115)

1 Purge vol = 10.56 gal (Sand pack vol)
+ 22.36 gal (casing/anulus vol.)
32.92 gal

Collected by DLW 7/20/87
Signature Date
Checked by
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP 5302 Well 23222

Project RMA ON POST Project Number THSK 44

Date(s) Developed 7/24/87 Date Installed 5/15/87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

RBW/ESE

Anulus Diameter 17½ in. 0 ft. to 40 ft.

Rig Used ESE WATER SERVICE TRUCK 11½ in. 40 ft. to 50 ft.

Pump (Type/Capacity) N/A * Screen Interval 596 ft. to 703 ft.

Bailer (Type/Capacity) 3.85" x 2.0' ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.4 ft.

Measured Well Depth TOC (Initial) 70.0 ft. Bottom of Screen (Below G.L.) 703 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105

(after 24 hrs.) ~~35.76/7-6-87/1105~~ DW 35.83 7-25-87 1135

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 32.92 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 164.60 gallons

Added Water 0 gallons Total Purge Volume gallons

Casing/Anulus Volume 22.36 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: DIONICMAN #21 SN: 015283

pH 7.00 = 7.00 at 25.2 °C, pH 10.00 = 10.01 at 25.0 °C

Conductance Meter Used: CMS DIGITAL SN: 14243

Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 199	0920	12.8	11.67	1556	clear
237	1003	13.5 ~~13.25~~	12.25	1978	CLOUDY W/BROWN SILT AND SOME FORMATION SAND
Final					DLW

Well dewatered in 33 gallons.

HNU while bailing = 7-12 ppm @ wellhead

Remarks: Initial HNU @ wellhead = 203 ppm / 12.9 ppm

Water Level = 35.87 / 7-24-87 / 0912

@ 7¾" 50' To 70.3'

1 Purge vol = 10.56 gal (Sand pack vol.)
+ 22.36 gal (casing/annulus vol.)
32.92 gal.

Collected by DLW 7-24-87
Signature Date

Checked by
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EB-53D2 Well 23222

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 7/27/87 Date Installed 5/7/87

Personnel (Name/Company) DW/ESE Well Diameter (I.D.) 4 in.

PJB/ESE Anulus Diameter 17½ in. 0 ft. to 46 ft.

Rig Used ESE WELL SERVICE TRUCK * 11¼ in. 40 ft. to 50 ft.

Pump (Type/Capacity) GRUNDFOS / 7 GPM Screen Interval 596 ft. to 703 ft.

Bailer (Type/Capacity) N/A ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 1.4 ft.

Measured Well Depth TOC (Initial) 70.0 ft. Bottom of Screen (Below G.L.) 70.3 ft.

(Final) ____ ft.

Water Level TOC/Date/Time (Initial) 35.76 / 7-6-87 / 1105

(after 24 hrs.) 35.83 9-25-87 1135

Feet of Water in Well 34.24 ft. x .0653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 3292 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 164.60 gallons

Added Water 0 gallons Total Purge Volume ____ gallons

Casing/Anulus Volume 22.36 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Ø21 SN: 015882

pH 7.00 = 7.00 at 25.4 °C, pH 10.00 = 10.01 at 25.1 °C

Conductance Meter Used: CMS DIGITAL SN: 14243

Standard 1000 umhos/cm at 25°, Reading 1003 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 232	0845	18.1	11.93	1769	pump DW mostly clear, some silt
264	0912	17.0	11.70	1560	cloudy w/ gray silt
Final					DW

Remarks: Initial flow @ well head = 28 gpm.
Well dewatered in 32 gallons.
* 7¾" ED' TO 70.3'

(Range Vol = 10.56 gal (sand pack vol.)
+ 22.36 (casing/anulus vol.)
32.92 gal

Collected by DW 7/27/87 (Signature / Date)

Checked by ____ / / (Signature / Date)

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore SP-53 D2 Well 23222

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 7/28/87
Date Installed 5/7/87
Personnel (Name/Company) DLW/ESE
PJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 17½ in. 0 ft. to 40 ft.
* 11½ in. 40 ft. to 50 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 59.6 ft. to 70.3 ft.
Bailer (Type/Capacity) 3.85" X 20'
____ ft. to ____ ft.
Water Source RMA
Casing Height (Above G.L.) 1.4 ft.
Measured Well Depth TOC (Initial) 70.0 ft.
Bottom of Screen (Below G.L.) 70.3 ft.
(Final) ____ ft.
Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105
(after 24 hrs.) 35.83 7-25-87 1135
Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 32.92 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 164.60 gallons
Added Water 0 gallons
Total Purge Volume ____ gallons
Casing/Anulus Volume 22.36 0.653 DW gallons
Volume Measured By 5 GALLON BUCKET DW
Surge Technique ~~BAILER & SUBM. PUMP~~ BAILING

Calibration: pH Meter Used: BECKMAN ϕ 21 SN: 015383
pH 7.00 = 7.00 at 24.2 °C, pH 10.00 = 10.02 at 24.7 °C
Conductance Meter Used: CIMS DIGITAL SN: 14243
Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 264	0856	24	11.49	1462	clear.
296	0926	13.5	12.09	1820	Cloudy Gray Silt
Final					

Remarks: Initial Flow @ well head = .40 gpm. Developed w/32 gallons
* FINAL ANULUS DIA. = 7⅔" 50' TO 70.3'

1 Purge Vol = 10.56 sand pack vol.
+ 22.36 casing annulus vol.
32.92 gallons

Collected by [signature] 7-28-87
Signature Date
Checked by [signature]
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore SP-53 D2 Well 23222

Project ZMA ON-POST
Project Number THASE 44
Date(s) Developed 8/4/87
Date Installed 5/7/87
Personnel (Name/Company) DLW/ESE
JFP/HLA
Well Diameter (I.D.) 4 in.
Anulus Diameter 17½ in. 0 ft. to 40 ft.
11½ in. 40 ft. to 50 ft.
Rig Used ESE WELL SERVICE TRUCK
Screen Interval 59.6 ft. to 70.3 ft.
Pump (Type/Capacity) N/A
ft. to ft.
Bailer (Type/Capacity) 3.85" x 20'
Casing Height (Above G.L.) 1.4 ft.
Water Source ZMA
Measured Well Depth TOC (Initial) 70.0 ft.
Bottom of Screen (Below G.L.) 70.3 ft.
(Final) ft.
Water Level TOC/Date/Time (Initial) 35.76/7-6-87/1105
(after 24 hrs.) 35.87 9-25-87 1135
Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 32.92 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 164.60 gallons
Added Water ϕ gallons
Total Purge Volume gallons
Casing/Anulus Volume 22.36 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN ϕ 21 SN: 015883
pH 7.00 = 7.01 at 20.1 °C, pH 10.00 = 10.04 at 20.4 °C
Conductance Meter Used: CMS 2100 ITAL
Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 296	0750	12.3	11.60	1519	Mostly clear, some silt & fine sand.
328	0829	12.5	12.03	1893	cloudy w/ dark gray silt, some fine sm. sand.
Final					DW

Remarks: Initial ANR @ wellhead = 140 gpm; ¼ in the breathing zone.
Well developed in 32 minutes
* Final anulus lvl. = 7.8' ft. to 10.3'

1 Purge vol. = 10.5 Sand pack vol.
+ 2 = casing vol.
2.42 tot.

Collected by DLW/ESE 8/4/87
Signature Date
Checked by
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EO-52 D2 Well 23222

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 3/11/87 Date Installed 5/7/87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

PJB/ESE Anulus Diameter 17½ in. 0 ft. to 40 ft.

Rig Used ESE WELL SERVICE TRUCK 11½ in. 40 ft. to 50 ft.

Pump (Type/Capacity) N/A Screen Interval 59.6 ft. to 70.3 ft.

Bailer (Type/Capacity) 3.35" x 2.0' ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.4 ft.

Measured Well Depth TOC (Initial) 70.0 ft. Bottom of Screen (Below G.L.) 70.3 ft.

(Final) 71.8 ft.

Water Level TOC/Date/Time (Initial) 35.76 / 7-6-87 / 1105

(after 24 hrs.) * DW 35.83 / 09-25-87 / 11:35

Feet of Water in Well 34.24 ft. x 0.653 gallons/foot = 22.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 32.92 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 164.60 gallons

Added Water 0 gallons Total Purge Volume 360 gallons

Casing/Anulus Volume 22.36 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: BECKMAN ϕ 21 SN: 015883

pH 7.00 = 7.00 at 23.7 °C, pH 10.00 = 10.03 at 23.5 °C

Conductance Meter Used: CMS DIGITAL SN: 11341

Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 328	0750	12.6	11.69	1592	clear
360	0833	13.2	11.92	1854	sands w/ some silt & very fine to medium sand.
Final					

Remarks: Initial HNU @ wellhead = 8.0 ppm - up to 25 ppm - 0.0 in breathing zone.
* Final anulus dia = 7½" TO 11½

1 Purge vol. = 10.56 sand pack vol.
+ 22.36 casing vol.
32.92 gallons

Collected by _____ 3/16/87
Signature Date

Checked by _____
Signature Date

EP-56

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

BOREHOLE SUMMARY LOG

Borehole EP-56 Well 26153

Project Name and Location RMA Sect 26 N.W. tunnel Project Number 744

Drilling Company Boyles Bros Driller B. Roach Rig Number Failing 150W

Drilling Method(s) 12¼" Auger, rotary

Size(s) and type(s) of bit(s) 12¼" Auger 3⅞ tri cone

Borehole Diameter 12¼ in. ____ cm. 0 ft. ____ cm. to 42.5 ft. ____ cm.

3⅞ in. ____ cm. 42.5 ft. ____ cm. to 150 ft. ____ cm.

Sampling Methods cont. core.

Total Number Soil Sampling Tubes —

Total Number Core Boxes 9

Number of Gallons Lost Drilling Fluid ____

Date/Time Started Drilling 10/7/87 0805

Date/Time Completed Drilling 10/8/87 0821

Total Borehold Depth 150' ft. ____ cm.

Depth to Bedrock 42.5' ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? NO

Date/Time Grouting Completed 10/8/87 0958

Depth of Tremmie Pipe 150'

Gallons of Grout 145

Materials Used 10 bgs of cement, 100 gal H_2O, 1 bag of bentonite

Comments Grouted to ground surface

Wellsite Geologist Steve Pace Date 10/21/87

Checked for Grout Settlement on 10/20/87 by Steve Pace

Amount of Grout Added 10 gal

All Measurements from Ground Level

Reviewed by [signature] Date [illegible]

Drill Site Geologist [signature] Date 3/12/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7132 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0830

Borehole: EP - 56 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						MUNSELL COLORS
0			NA		ML	Sandy-silt, ~20% v.f.gr. sand, 10 YR, 3/4, dk. yeah. brown, non-plas., loose, dry, alluvium
1	0-2'	0.9'		0-2'		
2						At 2.0', sandy-silt, ~20% v.f.gr. sand, color changes to 10 YR, 5/4-6, yeah brown, non-plas., loose, dry, alluvium.
3	2-4'	1.0'		2-4'		
4						
5	4-6'	2'		4-6'		At 5.0', sandy-silt, % sand increases to ~40% v.f.gr sand, 10 YR, 5/4-6, yeah. brn, non-plas., loose, dry, alluvium.
6						

Drill Site Geologist: [signature] Date: 9/5/85

Reviewed By: [signature] Date: [illegible]

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7982 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET 2 OF 4

Borehole: EP-51 Well Number:

Depth–Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						Munsell Colors
6			NA		ML	
7	7-9'	1.75'		7-9'		
8						At 8.0', clayey-silts, ~5% clay, 10 YR, 7/3, v. pale brown, non-plas., med. dense, dry, alluvium
9	10'-8	2'		8-10'		
10						At 10', clayey-silts, % clay increases to ~20%, 10 YR, 5/3-4, brown, slightly plas., v. stiff, v. slight moist, alluvium.
11	10-12'	1.85'		10-12'		
12						

Drill Site Geologist: A.E. Date: 9/5/85

Reviewed By: Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP - 56 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						Munsell Colors
12 12.3			NA		ML	At 12.3', Clayey-fine sands, ~ 5% clay, 10 YR, 5/3-4, brown, non-plas, loose-med. dense, v. slight moist, alluvium.
13	13 - 14	1.85		13 - 14		
14						
15	15 - 16	2'		15 - 16		At 15', clayey-fine sands, ~ 25% - 30% clay, 10 YR, 5/3 brown, mottled w/ 1" calcareous sands, 10 YR, 8/1, white, slight plas., hard, v. slight moist, alluvium.
16						
17 17.2	17 - 19	2'		17 - 19	SM	Poorly graded sand-silt mixture, ~ 30-45% silt, med-coarse sands, 10 YR 5/3-4, brown, non-plas., loose, dry, alluvium.
18						

Drill Site Geologist: [illegible] Date: 9/5/85

Reviewed By: [illegible] Date: [illegible]

EDE 7392 SOUTH ALTON WAY • SUITE 101
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP - 5L Well Number:

Depth - Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
18			NA			MUNSELL COLORS
19	18-20'	0'		18-20'		NO RECOVERY
20						AUGER LOSS
21	20-22'	0'		20-22'		SEVERAL ATTEMPTS MADE USING SAMPLER SHOES OF DIFFERENT INNER DIAMETERS
22						
23	22-24'	0'		22-24'		
24						

Drill Site Geologist: Date: 9/8/89

Reviewed By: Date: 9/11/89

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0830

Borehole: KP-56 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description MUNSELL COLORS
24			NA		SP	gravelly-sands, ~ 30-40% qtz. & feldspar gravel, fine-coarse gr sands, 10 YR, 5/4-6, yrsh. brn, non-plas., loose, v. slightly moist, alluvium
25	24-26'	1.0'		24-26'		
26						At 26', gravelly-sands, ~ 30-40% gravel (1-2" dia) fine-coarse sands, 10 YR, 5/4-6, yrsh brn, non-plas, loose, v. slightly moist, alluvium
27	26-28'	1.0'		26-28'		
28						At 28', gravelly-sands, ~ 20-30% gravel (1/4"-1/2" dia) fine-coarse gr sands, 10 YR, 5/4-6, yrsh brn, non-plas, loose, v. slightly moist, alluvium
29	28-30'	1.15'		28-30'		

Drill Site Geologist: [signature] Date: 7/15/85

Reviewed By: [signature] Date: [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0830

Borehole: EP-56 Well Number:

Depth-feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description (Munsell Colors)
30			NA		GC	Poorly graded gravel - sand - clay mixture, ~50% gravel (1/4 - 3/4" dia.), ~20% clay, 30% med - coarse gr. sand, 10 YR 5/4-6, yowish brn., non-plas, loose, slightly moist, alluvium.
31	30-32'	0.75		30-32'		
32					SP	gravelly - sands, ~30-40% gravel (1/4 - 1/2" dia.) med - coarse gr. sands, 10 YR, 5/4-6, yowish brown, non-plas, loose, slightly moist, alluvium.
33	32-34'	0.95		32-34'		
34						
35	34-36'	1.0'		34-36'		
36						

Drill Site Geologist: Date:

Reviewed By: Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7392 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0830

Borehole: EB-56 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						Munsell Colors
36			NA		SP	
	36-38'	0.95'		36-38'		
37						
38						
	38-42'	0'		38-42'		No Recovery
39						Auger Loss
40						At 40', gravelly-sands, % gravel decreases to 10-20%, 10YR 5/4-6, gyish brown, non-plas, loose, slightly moist, calcareous.
	40-42'	1.6'		40-42'		
41						
42						

Drill Site Geologist: Date: 11/6/15

Reviewed By: Date: 11/6/15

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0830

SHEET 1 OF 2

Borehole: EP-56 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
42			NA		SP	At 42', gravelly-sands, ~40% gravel, 10 YR 5/4-6 yush. brown, non-plas., loose, slightly moist, alluvium.
42.5	1ft - 2/4	2'		1ft - 2/4		
43					CL	silty-claystone, ~5-10% silt, 5Y, 4/3-4, olive, slightly plas., med-stiff-stiff, slightly moist, bedrock,
44						END OF BORING LOG
45						
46						
47						
48						

Drill Site Geologist: [illegible] Date: [illegible]

Reviewed By: [illegible] Date: [illegible]

ESE, Inc. CORE LOG By SP Date 10/8/87 BORE EP-56 Well(s) _____ Page 1 of 6

Box no.	Depth	Rec. Int.	Weather U	Weather S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst sd gr mm .01 LO 100	Lith. Chge	Lith. Class Ft	Description/Comments CM (Scale 1" = 3 ft)
																				Bedrock at 42.5' Casing cut to 43.5' Beginning at 41'
						See Alluvial Log for C=												43.5'		
	44	3.1/4			massive								15% mica		5Y 5/6 lt olive brown			30% silt	SS	SANDSTONE, very fine grained to medium grained
					thinly banded with occ sand filled wlo	20°							Fe-Oh coats on fractures		5Y 6/1 lt olive gray			30% silt	CS	CLAYSTONE
	46																			
		2.7/5																		
	48				massive															
	50												Fe-Oh coats		10Y 4/2 dark yellowish orange					
		1.7/2													N3/0 dark gray					51.5' oxidation boundary
	52																	20% silt		
	54																			
		1.5/2																		
	56																			
						finely bedded												30% silt		finely interbedded with siltstone
		5.8/5																		
	58																			Note: Poor recovery from 57 to 62'. Cuttings indicated claystone interbedded with lignite
		1.2/2																		
		0.5/5																		
	60																			

ESE, Inc. BORE EP-56 WELL(S)

Reviewed By _____ Date _____

ESE, Inc. CORE LOG By SP Date 10/8/87 BORE EP-56 Well(s) ______ Page 2 of 6

BOX no.	DEPTH	Rec. Int.	U S	Structure/Bedding: Angle	Structure/Bedding: Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy: Min.	Mineralogy: Habit	Color M G	Texture/Grain Size	Lith. Char.	Lith. Class	Description/Comments (Scale 1" = 2 ft)
①	60	0.5/5												CS	Claystone coring indicated many lignite beds.
	62														
	64	1.7 / 5									N3/0 Dark gray				
	66				sl. shale						N1/0 black		carb rich 60%		
	68	4.7/5		7	massive ↓ w/ clay filling; massive				10% mus.		N2/0 dark gray		v. silty 30%, 10% fine SAND		
②	70														
	72														
	73'				irregular bedding				1% carb				80% fine 10% silt	SS	SANDSTONE, weakly cemented to sl. friable
	74	2.5/5			massive						N2/0 grayish black			CS	Claystone
	76														
③	78	3.2/5													
	80														

Reviewed By ______ Date ______

ESE, Inc. BORE EP-56 WELL(S)

ESE, Inc. CORE LOG By SP Date 10/8/87 BORE EP-56 Well(s) _____ Page 3 of 6

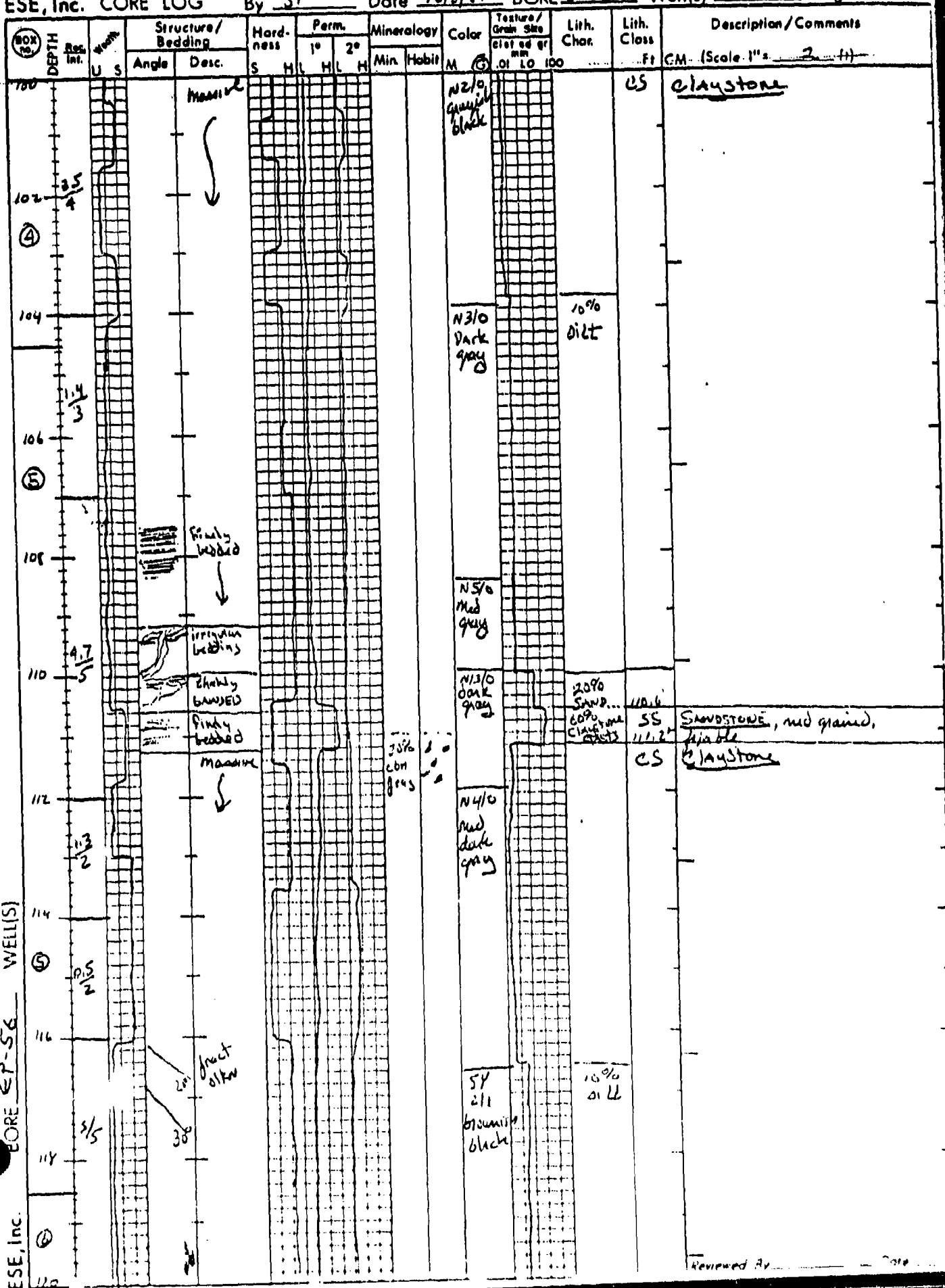
Box no.	Depth	Rec. Int.	Weather U	Weather S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color	Texture/Grain Size clist sd gr mm .01	Texture/Grain Size LO	Texture/Grain Size 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	80					massive									N3/0 Dark gray						CS	Claystone
		3.2/5																				
	82					FRACTURED																
						massive									N3/0 dark gray							
		2.1/3																				
	84																					
	86																					
		2.7/4													N2/0 grayish black							
3	88																					
															N3/0 dark gray					15% oil t		
	90																					
		1.5/3																				
	92																					
	94	2.5/4													5G 4/1 Dk. greenish gray							
	96																				96.2'	
4															5GY 6/1 greenish gray						St	Siltstone
		4/9																				
	98					horiz. fractured cakin drilled															99.1'	
						massive									N4/0 medium gray						CS	Claystone

WELL(S) _____ CORE EP-56

ESE, Inc.

Reviewed By _____ Date _____

ESE, Inc. CORE LOG By SP Date 10/8/87 BORE EP-56 Well(s) _____ Page 4 of 6



ESE, Inc. CORE LOG By SP Date 10/9/87 BORE EP-56 Well(s) _____ Page 5 of 6

Box No.	Length Rec (ft)	Weathering U	Weathering S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clay sd gr mm .01 LO 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
																		CS	Claystone
	5/5				finely bedded ↓							5% clay lams		N5/0 med gray				SS	SANDSTONE fine grained friable
122					massive ↓									N4/0 med dark gray				123.0' CS	Claystone
	4.4/5																	123.5'	
124					irregular bedding (deformed)									N6/0 med lt gray				ST	Siltstone
126																			interbedded with claystone
6																		127.0'	
					finely bedded							10% clay		N4/0 med dark gray				SS	SANDSTONE, fine grained, finely bedded with clay rich lenses along bedding planes, weakly cemented to unconsolidated friable
128	1.6/5				irregularly bedding (deformed)													128.4' ST	Siltstone interbedded with claystone
130					massive ↓													130.0	Claystone
					massive ↓							85% Quartz 10% clay & mica 5% clay		N5/0 med gray				131.0' SS	SANDSTONE, medium grained, friable
132	3.2/5																20% clay/silt clasts	133.2'	
7																	20% silt	CS	Claystone
136														N3/0 dark gray					
138	2.4/3																		
	1.2/2																		

BORE EP-56 ESE, Inc.

Reviewed By _____ Date _____

ESE, Inc. CORE LOG By SP Date 10/9/87 BORE EP-56 Well(s) _____ Page 6 of 6

Box No.	Depth	Rec. Int.	U S	Structure/Bedding Angle	Structure/Bedding Dir.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size cl si sd gr .01–mm–100	Lith. Chac	Lith. Class Et	Description/Comments CM (Scale 1" = 2 ft)
	142	1.2/2			maximum									N3/0				cs	Claystone
	144	1.10/5												dark					
7														gray					
	146																		
	148	3.1/4																	
8	150																		

Total depth 150.0'

EP-56 WELL(S)

ESE, Inc.

Reviewed By _____ Date _____

Frontier Logging
Lakewood, Colorado

Logging: ESE
Well No.: EP-56
Project: RMA
County: ADAMS COUNTY
State: COLORADO
Section:
Township:
Range:
Elevation:
Log Measured From: Ground Level

Date: OCT. 8, 1987
Driller Depth: 149 Ft
Hole Size: 3 7/8"
Casing Size: 43 Ft PVC
Fluid in Hole: native mud
Density/Viscosity:
Max Rec Temp:
Equip No.: 110
Operator: Wm. Linton
Location: Lakewood
Time In: 0835
Time Out: 0910

EQUIPMENT DATA

T.D. Logged: 146½ Ft
Natural Gamma: 200 Scale = 20 CPS per inch
Time Constant: 2 Sec
Logging Speed: 15 F/Min
Caliper Source Ref Value: CPS
Probe No: 103-1041
Probe Diameter: 1 5/8"
Detector Type Size:
K Factor: 2.38 x 10⁻⁵
Dead Time: 7 Microsec
Mud Factor: 1.10
Hole Size: 3 7/8"
Casing Factor:
Resistance: 40 ohms/5"
S.P.: 100 MV/Inch

NATURAL GAMMA READING (ANALOG)

Scale	Scale	Scale	Scale
= CPS/in	= CPS/in	= CPS/in	= CPS/in
T.C. Sec / Logging Speed F/Min	T.C. Sec / Logging Speed	T.C. Sec / Logging Speed F/Min	T.C. Sec / Logging Speed F/Min
From Ft To Ft	From Ft To	From Ft To Ft	From Ft To Ft
Total Ft	Total Ft	Total Ft	Total Ft

Gamma (Analog) Ft
Gamma (Digital) Ft
Caliper Ft
Temperature Ft

DIRECTIONAL DATA

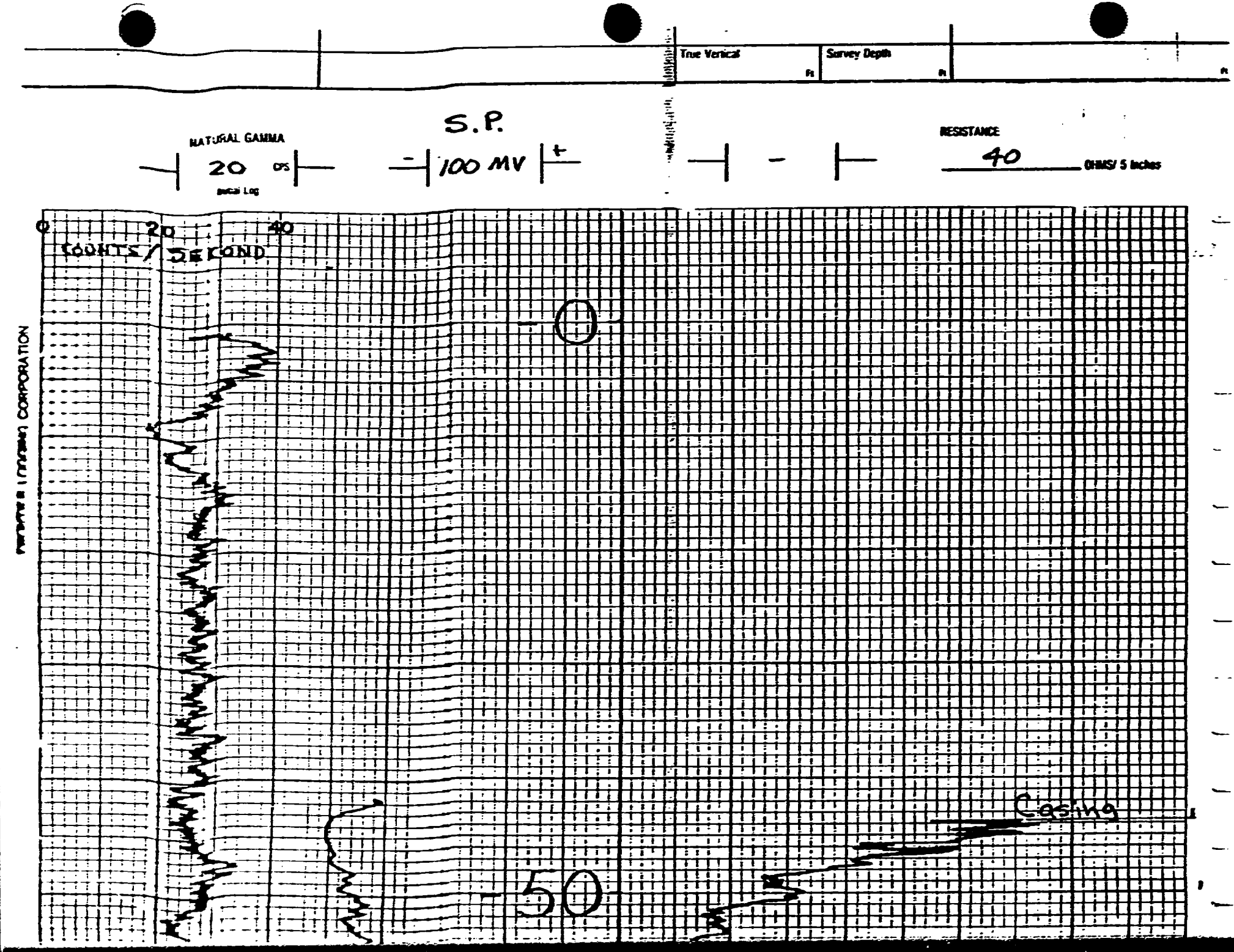
Closure Ft
Azimuth
True Vertical Ft
Survey Depth Ft

Density Source No
Type Strength
CPS/inch
Ft
Neutron Source No
Type Strength
CPS/inch
Ft

NATURAL GAMMA — 20 CPS — Initial Log

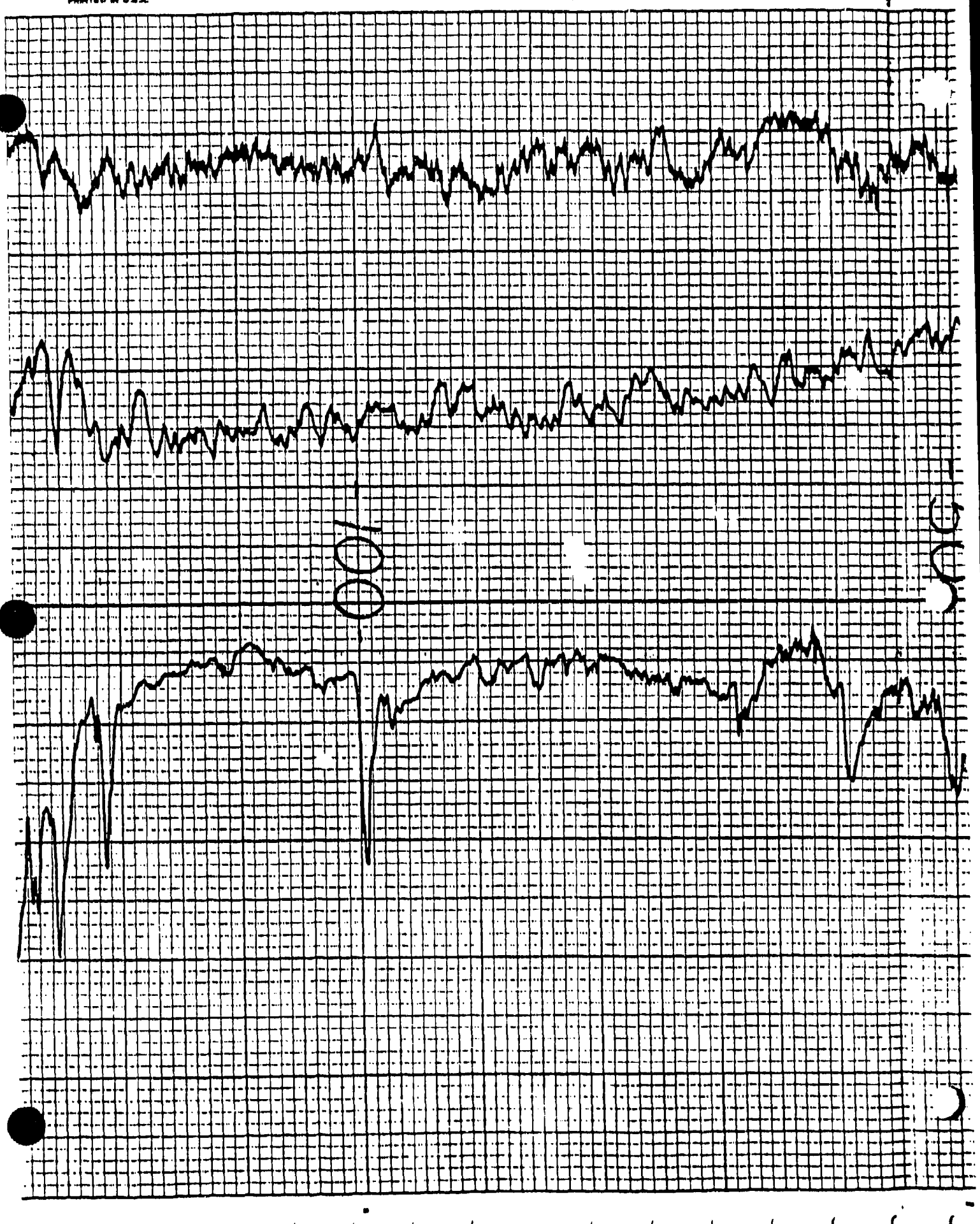
S.P. — − 100 MV +

RESISTANCE — 40 OHMS/ 5 Inches


True Vertical
ft
Survey Depth
ft
ft
NATURAL GAMMA
20
CPS
S.P.
100 MV
RESISTANCE
40
OHMS/ 5 inches
0
20
40
COUNTS / SECOND
-0
-50
Casing

PRINTED IN U.S.A.

No. GC 13142



0
2"
1-1/4 OH
SP
RESISTANCE
40 OHMS/5 INCHES
100 MV/INCH
NATURAL GAMMA
20 40
COUNTS PER SECOND
LL 56

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7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole EP-56 DT SP D2 Well 2653

Project Name and Location RUN TASK 19 / SECT 26 Project Number 744

Drilling Company BOYLES BROTHERS Driller DON IRWIN Rig Number IR

Drilling Method(s) 11 3/4" ROTARY, 7 7/8" ROTARY

Borehole Diameter 11 3/4 in. ____ cm. 0 ft. ____ cm. to 50 ft. ____ cm.
7 7/8 in. ____ cm. 50 ft. ____ cm. to 138 ft. ____ cm.

Size(s) and types of Bit(s)	11 3/4" DUDE BIT 7 7/8" DUDE BIT	Sampling Method(s)	NOT SAMPLED
		Date/Time Start Drilling	11-4-87 / 0830
Size and Type PVC	4" SCHEDULE 40	Date/Time Finish Drilling	11-6-87 / 0945
Total Borehole Depth	138.0 ft. ____ cm.	Date/Time Start Completion	11/6/87 1006
Depth to Bedrock	112.5 ft. ____ cm.	Date/Time Cement Protective Casing	11-4-87 1535
Depth to Water	— ft. ____ cm.	Materials Used	50' (8") STEEL CASING
Water Level Determined By	—	Plain PVC	132.8' DLW
Length Plain PVC (total)	132.8 ft. ____ cm.	Slotted PVC	5.65 SLOTTED
Length of Screen	5.65 ft. ____ cm.	Bentonite Pellets	1 3/5 BUCKETS
Total Length of Well Casing	138.45 ft. ____ cm.	Bentonite Granular	2 BAGS
PVC Stick Up	1.70 ft. ____ cm.	Cement	14 BAGS + 4 BAGS
Depth to Bottom of Screen	136.75 ft. ____ cm.	Sand	2 BAGS
Depth to Top of Screen	131.10 ft. ____ cm.	Water added during completion	—
Depth to Top of Sand	126.4 ft. ____ cm.	Water added during drilling	—
Depth to Top of Bentonite	121 ft. ____ cm.	Total Gallons of water added	0

Drill Site Geologist [signature] Date 11/10/87

Date/Time/Personnel	Internal Mortar, Cement Pad, and Weep Hole Installed	CEMENT PAD 11/11/87/0930/DLW + [illegible] INTERNAL MORTAR 11-10-87/1600/DLW [illegible]
Date/Time/Personnel	Casing Painted	11-10-87 / 1600 / DLW & BMH
Date/Time/Personnel	Numbers Painted	2/12/88 / 1530 / DLW & ESP
Materials Used	12 BAGS CONCRETE	

Top of Protective Casing to Top of PVC	0.50 ft. ____ cm.	COMMENT/NOTES	
Top of Protective Casing to Weep Hole	1.45 ft. ____ cm.		
Top of Protective Casing to Internal Mortar	1.54 ft. ____ cm.		
Top of Protective Casing to Top of Cement Pad	1.73 ft. ____ cm.		
Top of Protective Casing to Ground Level	2.25 ft. ____ cm.		

Reviewed By [signature] Date 3/3/88

Drill Site Geologist [signature] Date 12/17/87

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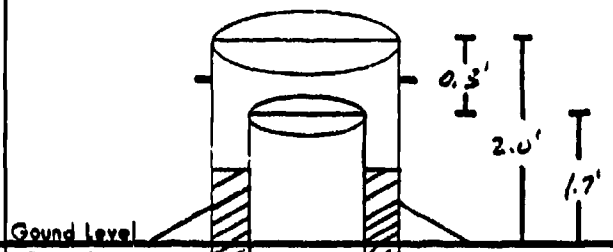
Borehole: EP-56 DT SP D2 Well: 26153

Depth-Feet	Soil/Rock Type	Well Completion	Description



JOINT 0.89'
JOINT 10.9
JOINT 20.92
JOINT 30.95
JOINT 40.73
JOINT 50.75
JOINT 60.81
JOINT 70.84
JOINT 80.46
JOINT 90.95'
JOINT 101.0
JOINT 111.01
JOINT 121.03
JOINT 131.1'

CENTRALIZER @ 14'
GROUT
CENTRALIZER @ 44'
DEPTH TO BOTTOM OF 8" STEEL CASING = 50'
CENTRALIZER @ 74'
CENTRALIZER @ 104'
BENTONITE SEAL
SAND PACK

TOP OF BENTONITE = 121.0'
TOP OF SAND = 120.4
TOP OF SCREEN = 131.10
BOTTOM OF SCREEN = 141.15
TOTAL BOREHOLE DEPTH = 142'

NOTE: THESE ELEVATIONS ARE BELOW GROUND LEVEL

Drill Site Geologist: _____ Date: _____
Reviewed By: _____ Date: _____

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WELL DEVELOPMENT DATA

Bore ER-56 ~~D1~~ 5P D2 Well 26153

Project Task 19/Sec. 26 | Project Number ~~TASK 19~~ 44

Date(s) Developed 12/7/87 | Date Installed 11/6/87

Personnel (Name/Company) Walt Vassar/ESE WTV, Cindy Genkes/ESE CMG | Well Diameter (I.D.) 4" in.

Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.; 7 7/8 in. 50 ft. to 138 ft.

Rig Used Well Service Truck

Pump (Type/Capacity) Grund FOS ~~@ 15 gall~~ 7GPM | Screen Interval 131.12 ft. to 136.25 ft.

Bailer (Type/Capacity) N/A | ___ ft. to ___ ft.

Water Source RMA | Casing Height (Above G.L.) 1.70 ft.

Measured Well Depth ~~TOC~~ PVC (Initial) ~~38.80~~ 138.70 ft. | Bottom of Screen (Below G.L.) ___ ft.

(Final) 138.6 ft.

Water Level ~~TOC~~ PVC/Date/Time (Initial) 49.81 / 12/7/87 / 1059

(after 24 hrs.) 53.11 / 3-14-88 / 1205

Feet of Water in Well 88.89 ft. x 0.653 gallons/foot = 58.04 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons | * One Purge Volume CMG ~~134.00~~ 67.0 gallons

Purge Water Lost N/A gallons | Minimum Purge Volume CMG ~~667.0~~ 334.0 gallons

Added Water 0 gallons | Total Purge Volume ___ gallons

Casing/Anulus Volume CMG ~~45.27~~ 58.00 gallons | Volume Measured By 5 gallon bucket

Surge Technique raise/lower pump.

Calibration: pH Meter Used: Beckman #015883 SN

pH 7.00 = 7.04 at 14.6 °C, pH 10.00 = 10.01 at 14.3 °C

Conductance Meter Used: YSI

Standard 1413 umhos/cm at 25°, Reading 1410 umhos/cm at 25 °C

PID Background 0.0 Reading 0.0

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0 gall	1127	15.8	10.05	2090	very silty brown/gray
	—			--	
Final					

Rumarks:

Sample depth: 136.75 − 126.9 ... 75 ... | * Purge vol: 58 gals (casing vol) + ... gals (annulus vol) ... 70 gal

Collected by [signature] 12-7-87 (Signature / Date)

Checked by [signature] 3-12-87 (Signature / Date)

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WELL DEVELOPMENT DATA

Bore EP-56 DK2 Well 26153

Project RMA ON POINT
Project Number Task 44-44
Date(s) Developed 12-13-87
Date Installed 11/6/87
Personnel (Name/Company) WTV/ESE
LFWL/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.
7 3/4 in. 50 ft. to 138 ft.
Rig Used Well Service-Truck
Screen Interval 121.10 ft. to 136.75 ft.
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.25" x 1.5' ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.70 ft.
Measured Well Depth TOC (Initial) 138.7 ft.
Bottom of Screen (Below G.L.) 136.75 ft.
(Final) 138.6 ft.
Water Level TOC/Date/Time (Initial) 99.51 / 12/7/87 / 1059
(after 24 hrs.) 83.11 / 12-14-87 / 1205
Feet of Water in Well 55.89 ft. x .653 gallons/foot = 36.49 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 40 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 3 x 1 gallons
Added Water 0 gallons
Total Purge Volume gallons
Casing/Anulus Volume 55.00 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: Beckman Φ 71 SN 015553
pH 7.00 = 7.11 at 1.5 °C, pH 10.00 = 10.3 at 1.5 °C
Conductance Meter Used: YSI Model 32
Standard 1413 umhos/cm at 25°, Reading 1454 umhos/cm at 21.1 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 20 gal	0939	10.5	11.73	3110	Cloudy, Grayish w. sediment
40	1016	11.0	11.62	3010	"
50	1054	11.5	11.04	3030	"
60	1133	11.0	10.82	3020	"
70	1206	11.2	10.54	3010	"
final 80	1241	11.3	10.25	3010	"
90	1310	11.5	9.90	3050	Dark gray w/ some silt

Remarks: COVER

Collected by Walt Vassar 12-15-87
Signature Date

Checked by [signature] 5-12-88
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-56 D2 Well 26153

Project RAIL IMPACT Project Number TASK # 44

Date(s) Developed 02/02/88 Date Installed 11/06/87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

TDM/ESE Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.

Rig Used ESE well service truck 7 7/8 in. 50 ft. to 138 ft.

Pump (Type/Capacity) GRUNDOS/70PM Screen Interval 131.10 ft. to 136.75 ft.

Bailer (Type/Capacity) N/A ft. to ft.

Water Source RAIL Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 138.7 ft. Bottom of Screen (Below G.L.) 136.75 ft.

(Final) 138.6 ft.

Water Level TOC/Date/Time (Initial) 49.81 / 2-7-88 / 1054

(after 24 hrs.) 83.11 / 3-14-88 / 1705

Feet of Water in Well 88.89 ft. x 0.653 gallons/foot = 58.04 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 67 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 335 gallons

Added Water 0 gallons Total Purge Volume gallons

Casing/Anulus Volume 58.04 gallons Volume Measured By 55 gallon barrel

Surge Technique Rate / Lower pump.

Calibration: pH Meter Used: BECKMAN 01 SN: 015885

pH 7.00 = 7.10 at 21.1 °C, pH 10.00 = 10.28 at 21.1 °C

Conductance Meter Used: YSI MODEL 32 SN: 2603 ESE #2

Standard 1413 umhos/cm at 25°, Reading 1415 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 45	1323	11.6	8.73	3100	cloudy w/ gray silt.
125	1338	11.9	8.66	3110	cloudy w/ gray silt.
140	1419	7.1	8.64	3130	cloudy w/ some gray silt
Final					DLW

Dewatered in 45 gallons

Remarks: Water level = 49.43

Initial pump rate = 2 GPM, 0.35 GPM @ 40 gallons

Final pump rate = 0.7 gpm. Pump off @ 140 gallons.

Sand pack: 136.75 Bot. of screen
126.43 Top of sand
10.32 ft x .352 gal/ft = 3.63 gal.

* Purge vol: 58.04 casing vol.
+ 3.63 sand pack vol.
61.67 ≈ 67 gal.

Collected by [signature] 02/02/88
Signature Date

Checked by [signature] 3/15/88
Signature Date

Water level greater than 100' @ 15:00.

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WELL DEVELOPMENT DATA

Bore EP56 D2 Well 26153

Project RMA ONPOST [illegible] 44 | Project Number 86956 TASK 19

Date(s) Developed 02/12/88 | Date Installed 11/06/87

Personnel (Name/Company) WEST/POLLMAN: ESE | Well Diameter (I.D.) 4" PVC in.

Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.; 7 7/8 in. 50 ft. to 138 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) GEOTECH / BLADDER PUMP | Screen Interval 131.10 ft. to 136.75 ft.

Bailer (Type/Capacity) N/A | — ft. to — ft.

Water Source RMA | Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 138.7 ft. (Final) 138.6 ft. | Bottom of Screen (Below G.L.) 136.75 ft.

Water Level TOC/Date/Time (Initial) 49.81 / 12-7-87 / 1054

(after 24 hrs.) 83.11 / 3-14-88 / 1705

Feet of Water in Well 88.89 ft. x 0.653 gallons/foot = 58.04 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons | One Purge Volume 67 gallons

Purge Water Lost N/A gallons | Minimum Purge Volume 335 gallons

Added Water Ø gallons | Total Purge Volume 55 gallon barrels gallons

Casing/Anulus Volume 58.04 gallons | Volume Measured By ✓

Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Ø21 SN: 015883

pH 7.00 = 7.04 at 13.3 °C. pH 10.00 = 10.14 at 13.3 °C

Conductance Meter Used: YSI MODEL 32 SN: 2603

Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 140 gal	1405 →	13.4	8.77	3190	CLOUDY GREY w/ SOME V.F SAND SUSPENDED SILT
156 gal		13.4	8.63	3200	TRANSLUCENT GREY w/ SILT, SOME V.F. SAND
160	1448	13.2	8.45	3220	ALMOST CLEAR SOME FINE SAND
170	1511	13.0	8.43	3230	CLEAR COLORLESS NO SAND
180	1536	13.3	8.50	3200	COLORLESS SL. CLOUDY SOME FINE SAND
~~Final~~ 195	16:13	12.8	8.48	3190	CLEAR, COLORLESS

Remarks: *TW: 58.45 = Water level (TOC) | Dewatered in 58 gallons [illegible]
Pump rate w/ Geotech = 0.34 GPM @ 15 gallons. | [illegible] next parameter @ 198 gallons

* 1 Purge vol: 58.04 casing vol
+ 8.82 sand pack vol.
66.86 ⇒ 67 gallons.

Collected by [signature] Signature 2/12/88 Date

Checked by [signature] Signature 3.12.88 Date

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WELL DEVELOPMENT DATA

Bore EP-56D2 Well 26153

Project: RMA ON-POST
Project Number: TASK 19
Date(s) Developed: 3/4/88
Date Installed: 11/06/87
Personnel (Name/Company): DLW / ESE; RR / ESE
Well Diameter (I.D.): 4 in.
Anulus Diameter: 11 3/4 in. 0 ft. to 50 ft.; 7 7/8 in. 50 ft. to 138 ft.
Rig Used: ESE WELL SERVICE-TRUCK
Pump (Type/Capacity): GRUNDFOS / 5GPM
Screen Interval: 131.10 ft. to 136.75 ft.; ___ ft. to ___ ft.
Bailer (Type/Capacity): N/A
Water Source: RMA
Casing Height (Above G.L.): 1.7 ft.
Measured Well Depth TOC (Initial) 138.7 ft. (Final) 138.6 ft.
Bottom of Screen (Below G.L.): 136.75 ft.
Water Level TOC/Date/Time (Initial) 49.81 / 12-7-87 / 1054
(after 24 hrs.) 83.11 / 3-14-88 / 1205
Feet of Water in Well 88.89 ft. x .653 gallons/foot = 58.04 gallons casing/anulus volume
Drilling Fluid Lost: N/A gallons
* One Purge Volume: 67 gallons
Purge Water Lost: N/A gallons
Minimum Purge Volume: 335 gallons
Added Water: ∅ gallons
Total Purge Volume: ___ gallons
Casing/Anulus Volume: 58.04 gallons
Volume Measured By: 55 Gallon Drum
Surge Technique: Pulse (Lower) Pump

Calibration: pH Meter Used: ~~Beckman ...~~ / ORION SA 250 SN: 1004
pH 7.00 = ~~7.05~~/7.00 at ~~12.5~~/11.2 °C, pH 10.00 = ~~10.15~~/10.00 at ~~11.5~~/12.10 °C
Conductance Meter Used: YSI MODEL 33 SN: ...
Standard 1413 umhos/cm at 25°, Reading 1411 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 198	0918	12.5	8.49	3250	cloudy w/ gray silts
(15) 213	0924	12.5	8.19	3110	slightly cloudy
(30) 228	0935	12.3	8.24	3220	Clear
(45) 243	0944	12.6	9.05	3110	cloudy w/ gray silt
256	0954	11.2	8.71	3230	cloudy w/ gray silt
Final 257	1009	8.6	8.65	3220	partly cloudy w/ gray silt

Remarks: Water level = 52.07. Well dewatered in 58 gallons initially / ... 0914 Pump on / 0950 Pump off / 1007 Pump on / 1008 Pump off - no more water w/ 17 min recharge. Tip reading = 0.3 ppm (OVA). Beckman pH meter not working correctly, ORION used.

* 1 Purge vol. 58.04 (casing vol.) + 8.82 (annular vol.) = 66.86 => 67 gallons

Collected by [signature] 3/4/88
Signature Date

Checked by [signature] 3/17/88
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP 56D2 Well 26153

Project RMA on-Post

Project Number Task #44

Date(s) Developed 3-9-88

Date Installed 11-6-88

Personnel (Name/Company) RR/ESE BW/ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 11 3/4 in. 0 ft. to 50 ft.; 7 7/8 in. 50 ft. to 138 ft.

Rig Used ESE Well Service Truck

Pump (Type/Capacity) Grundfos 5 GPM

Screen Interval 131.10 ft. to 136.75 ft.; ___ ft. to ___ ft.

Bailer (Type/Capacity) N/A

Water Source RMA

Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 138.7 ft. (Final) 138.6 ft.

Bottom of Screen (Below G.L.) 136.75 ft.

Water Level TOC/Date/Time (Initial) 49.81 / 12-7-87 / 1054

(after 24 hrs.) 83.11 / 3-14-88 / 1205

Feet of Water in Well 88.89 ft. x .653 gallons/foot = 58.04 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

* One Purge Volume 67 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 335 gallons

Added Water ∅ gallons

Total Purge Volume 287 gallons

Casing/Anulus Volume 58.04 gallons

Volume Measured By 55 Gallon Drum

Surge Technique Raise/lower pump

Calibration: pH Meter Used: Beckman ϕ 21 pH Meter

pH 7.00 = 7.02 at 18.5 °C, pH 10.00 = 10.08 at 18.3 °C

Conductance Meter Used: YSI Model 32 S/N 2603

Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 18.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 257	1305	15.5	8.92	3260	Cloudy, Grey w/ silt + fine grained sand
(15) 272	1317	15.5	8.56	3310	Cloudy, Grey w/ fine sand
(30) Final 287	1333	15.8	8.83	3250	Cloudy, Grey w/ fine grained [illegible]
Final					[illegible]

Remarks: Water level 81.36 [illegible] reading = [illegible] [illegible] [illegible] well developed [illegible] gallons.

* 1 Purge vol. 58.04 (casing vol) + 8.82 (sand pack vol) 66.86

Collected by [illegible] Signature [illegible] Date

Checked by [illegible] Signature [illegible] Date

EP-62

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

BOREHOLE SUMMARY LOG

Borehole EP-62 Well 34011

Project Name and Location RMA Section 24 M.W. Installation Project Number T44

Drilling Company Boyle Bros. Driller B. Roach Rig Number Failing 500

Drilling Method(s) Continuous core

Size(s) and type(s) of bit(s) 3 7/8" tri cone, 12 1/4" Auger

Borehole Diameter 12 1/4" in. ____ cm. 0 ft. ____ cm. to 61.25 ft. ____ cm.

3 7/8 3 7/8 in. ____ cm. 61.25 ft. ____ cm. to 150.0 ft. ____ cm.

Sampling Methods Core

Total Number Soil Sampling Tubes -

Total Number Core Boxes 8

Number of Gallons Lost Drilling Fluid -

Date/Time Started Drilling 8/18/87 1257

Date/Time Completed Drilling 8/19/87 0720

Total Borehold Depth 150 ft. ____ cm.

Depth to Bedrock 60.5 ft. ____ cm.

Depth to Water - ft. ____ cm.

Water Level Determined By? -

Borehole Completed as Monitoring Well? No

Date/Time Grouting Completed 8/19/87 0905

Depth of Tremmie Pipe 145

Gallons of Grout 130 gal

Materials Used 9 bags of cement, 90 gals H_2O, 1 bucket bentonite

Comments grouted to ground surface

Wellsite Geologist Steve Pauls Date 9/16/87

Checked for Grout Settlement on 9/16/87 by Steve Pauls

Amount of Grout Added none needed

All Measurements from Ground Level

Reviewed by [signature] Date 3/15/88

Drill Site Geologist [signature] Date 3/6/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole Ep-6 D1 Well 34011

Project Name and Location Sect. 34 Project Number T44/081

Drilling Company Boyles Bros Driller Don Carlson Rig Number I2

Drilling Method(s) Rotary auger

Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to 65 ft. ____ cm.
7 7/8 in. ____ cm. 65 ft. ____ cm. to 103.5 ft. ____ cm.

Size(s) and types of Bit(s) 12 1/4 Blade Bit
7 7/8" Blade Bit

Size and Type PVC 4" Sch 40

Total Borehole Depth 103.5 ft. ____ cm.

Depth to Bedrock 60.5 ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By —

Length Plain PVC (total) 93.35 ft. ____ cm.

Length of Screen 10 ft. ____ cm.

Total Length of Well Casing 104.2 ft. ____ cm.

PVC Stick Up 1.7 ft. ____ cm.

Depth to Bottom of Screen 102 ft. ____ cm.

Depth to Top of Screen 92 ft. ____ cm.

Depth to Top of Sand 87 ft. ____ cm.

Depth to Top of Bentonite 82 ft. ____ cm.

Sampling Method(s) Previously Cored

Date/Time Start Drilling 10/1/87 0805

Date/Time Finish Drilling 10/6/87 1355

Date/Time Start Completion 10/6/87 1410

Date/Time Cement Protective Casing 10/7/87 1105

Materials Used —

Plain PVC 93.35'

Slotted PVC 10.85'

Bentonite Pellets 3 buckets (150 lb)

Bentonite Granular 2 bgs. (100 lb)

Cement 10 bgs. (Portl.) 9 bgs (810 lb)

Sand Colo. Silica (10-20) 3.5 bgs. (350 lb)

Water added during completion —

Water added during drilling —

Total Gallons of water added —

Drill Site Geologist A.E. Ostello Date 10/7/87

Cement Pad - 10/8/87 DLW & JRM

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed Internal Mortar & Weep hole 10/9/87 DLW &

Date/Time/Personnel Casing Painted 10/9/87 / 1330 / DLW & SMP

Date/Time/Personnel Numbers Painted 10/9/87 1415 DLW & SMP

Materials Used 2.0 Bugs Secrete.

Top of Protective Casing to Top of PVC	0.5 ft.	____ cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.6 ft.	____ cm.	
Top of Protective Casing to Internal Mortar	1.95 ft.	____ cm.	
Top of Protective Casing to Top of Cement Pad	1.82 ft.	____ cm.	
Top of Protective Casing to Ground Level	2.1 ft.	____ cm.	

Reviewed By _____ Date _____

Drill Site Geologist _____ Date _____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7202 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0830

Borehole: EP-6271 Well: 34011

Depth-Feet	Soil/Rock Type	Well Completion	Description
0	ALLUV	Ground Level; 8" Steel; 4" PVC; 0.3'; 2.0'; 1.7'; 1.17 FT.	8" ID Steel : 2.0' ABOVE GROUND TO 65.0' BELOW GROUND
15		11.22 FT.	4" ID SCH 40 PVC : 1.7' ABOVE GROUND TO 102.5' BELOW GROUND
		21.28 FT.	
30		31.39 FT.	CENTRALIZER @ 32.39'
45		41.35 FT.	
		51.42 FT.	
60	CS	61.48 FT.	CENTRALIZER @ 62.59'
		71.63 FT.	
75		81.59 FT.	TOP OF BENTONITE : 75.0'
			TOP OF SAND : ~~81.0~~ 87.0'
90	SS	91.65 FT.	TOP OF GRAVEL : 92.0'
105	CS		BOTTOM OF GRAVEL : 102.0'
			TD : 102.5'
120			

Drill Site Geologist : A.F. Ortillo Date: 10/7/87

Reviewed By : _____ Date: _____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP-62 Well Number:

Depth-feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1	1 0-2.0'	1.9'/2.0	SAME AS TUBE number	SAME AS TUBE interval	SM	Silty SAND, 30% silt, fine-to medium grained sand, 10YR 5/3, brown, dry, loose to medium dense, non plastic
2					SC	clayey SAND, 35% clay, fine to coarse grained sand, 10YR 3/3, dark brown, dry, med dense, low plastic
3	2 2.0'-4.0'	1.9'/2.0			SM	Silty SAND, 20% silt, fine to coarse grained sand, 10YR 5/4 yellowish brown, medium dense, dry, non plastic
4						
5	3 4.0'-6.0'	2.0/2.0			SC	clayey SAND, 40% clay, fine to coarse grained sand, 10YR 5/4 yellowish brow, med dense dry, low plastic, calcareous
6					~~CL~~ clay, SP	clay content increase to approx 50%
7	4 6.0'-8.0'	1.9'/2.0			SM	Silty SAND, 20% silt, fine to coarse grained sand, 10YR 5/4 yellowish brown, dense, dry, non plastic, very calcareous
8						
9	5 8.0'-10.0	1.9'/2.0				
10						

Drill Site Geologist: Angelo Ortelli Logged by Eric Rau Date: 8/21/87

Reviewed By: Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7352 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP-62 Well Number:

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
11	6 / 10.0'-12.0'	1.85/2.0			ML	Silt, 20% fine grained sand, 10YR 7/3, very pale brown, dense, dry, low plastic
12					SM	Silty sand, 15% silt, 10YR 5/4, yellowish brown, dense, dry to moist, non plastic, calcareous
13	7 / 12.0'-14.0'	1.4/2.0			SC	Clayey sand, 35% clay, fine to coarse grained sand, 10YR 5/6, yellowish brown, dense, sl. moist, low plastic, calcareous
14						
15	8 / 14.0'-16.0'	1.5/2.0	Same as Tube number	same as Tube interval		
16						
17	9 / 16.0'-18.0'	1.9/2.0				
18						
19	10 / 18.0'-20.0'	1.9/2.0			SM	Silty sand, 15% silt, fine to coarse grained sand, 10YR 6/4 light yellowish brown, dense, light moist, non plastic, calcareous
20						

Drill Site Geologist: Angelo Ortelli Signature: 8/21/87

Reviewed By: Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7392 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP-62 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
21	11 20.0'-22.0'	2.0/2.0	SAME AS tube number	same as tube interval	SM	Silty Sand (see pg 2)
22						
23	12 22.0'-24.0'	2.0/2.0				
24						
25	13 24.0'-26.0'	2.0/2.0				
26						
27	14 26.0'-28.0'	2.0/2.0			SC	Clayey SAND, 40% clay, fine to v. coarse grained sand, 10YR 5/4 yellowish brown, moist, dense, low plastic, calcareous
28						- SAND increases to 75%
29	15 28.0'-30.0'	2.0/2.0				
30						

Drill Site Geologist: Angelo Ortelli logged in Utton Pass Date: 9/21/87

Reviewed By: Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7338 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP-62 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
30					CL	Clay, 30% sand, coarse grained, 10YR 5/4, yellowish brown, moist, stiff, very calcareous
31	16 30.0'-32.0'	1.9/2.0	same as tube number	same as tube interval		
32					SC	Clayey SAND, 30% clay, fine to v. coarse sand, 10YR 5/4, yellowish brown moist, med. dense, low plastic
33	17 32.0'-34.0'	1.9/2.0			SM	Silty Sand, 15% silt, 10YR 6/6, brownish yellow, slight moist, medium dense, non plastic
34						
35	18 34.0'-36.0'	1.1/2.0				
36					SP	Poorly graded SAND, fine to v. coarse grained 10YR 6/4 light yellowish brown, light moist, medium dense, non plastic
37	19 36.0'-38.0'	2.0/2.0				- grains increase in size to include small gravels
38					SC	Clayey Sand, 30% Clay, 10YR 5/4 yellowish brown moist, medium dense, low plastic, fine to coarse grained sand
39	20 38.0'-40.0'	2.0/2.0				
40					SM	Silty SAND, 20% silt, fine to coarse grained sand, occ. v. coarse sand and small gravels, 10YR 5/4 yellowish brown, moist, med. dense, non plastic

Drill Site Geologist: Angelo Ortelli logged by Hawkins Date: 8/21/87

Reviewed By: Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0830

Borehole: EP-67 Well Number:

Depth-Feet	Tube Number / Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
41	21 40.0'-42.0'	2.0/2.0	Same as Tube number	Same as tube interval	SM	Silty sand (see pg. 4)
42					CL	Clay, 20% silt, 10% sand, fine to coarse grained sand, 10YR 4/4 dark yellowish brown, moist, dense, medium plastic
43	22 42.0'-44.0'	1.2/2.0				
44					SM	Silty sand, 35% silt, fine to medium grained sand, 10YR 5/4, yellowish brown, moist, dense, low plastic
45	23 44.0'-46.0'	1.9/2.0				
46						
47	24 46.0'-48.0'	1.7/2.0				CLAY SP, fine to coarse sands, fine to medium gravels
48						
49	25 48.0'-50.0'	0.5/2.0			GP	Poorly graded gravel, ~~fine~~ to coarse grained gravel, occasional cobble, 35% sand, fine to coarse grained sand, dense, moist
50						

Drill Site Geologist: Angelo Orletti Date:

Reviewed By: Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

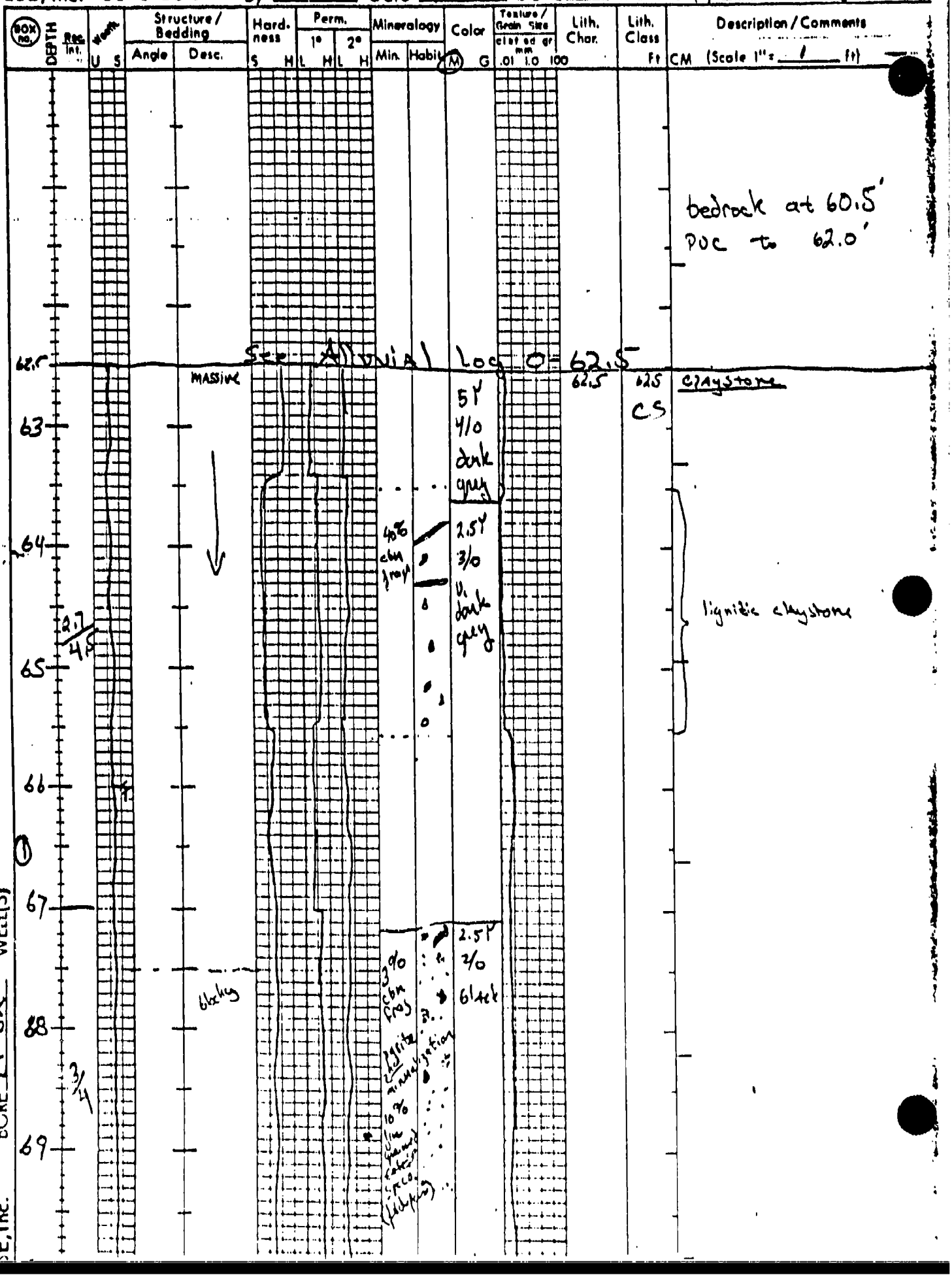
Borehole: EP-62 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
					GP	Gravel (see pg 5)
51	26 50.0'-52.0'	2.0/2.0	Same as tube intervals	Same as tube interval	CL	Clay, 40% sand, 5% gravel, fine to coarse grained sand, fine gravels, 10YR 5/3 brown, stiff, moist, medium plastic.
52	27 52.0'-53.0'	1.0/1.0				
53	28 53.0'-54.0'	1.0/1.0			SM	Silty Sand, 40% silt, fine to coarse grained sand 10YR 5/3 brown, dense, moist, medium plastic
54	29 54.0'-55.0'	1.9/2.0				51.5' silt decreases to 15%, nonplastic, sand grain size decreases to fine to medium grained, 5% mica
55						
56	30 56.0'-57.0'	0.9/2.0			GP	Poorly Graded gravels, fine gravels, 30% sand, fine to very coarse grained sand, 10YR 4/1, dark grey, moist, dense
57						
58	31 58.0'-60.0'	0				- grain size increase to coarse
59						
60	32 60.0'-61.25'	0.3/1.25				- cobbles on top of bedrock
61						Claystone bedrock, 5Y 5/2 Olive grey
						TOTAL Depth 61.25'

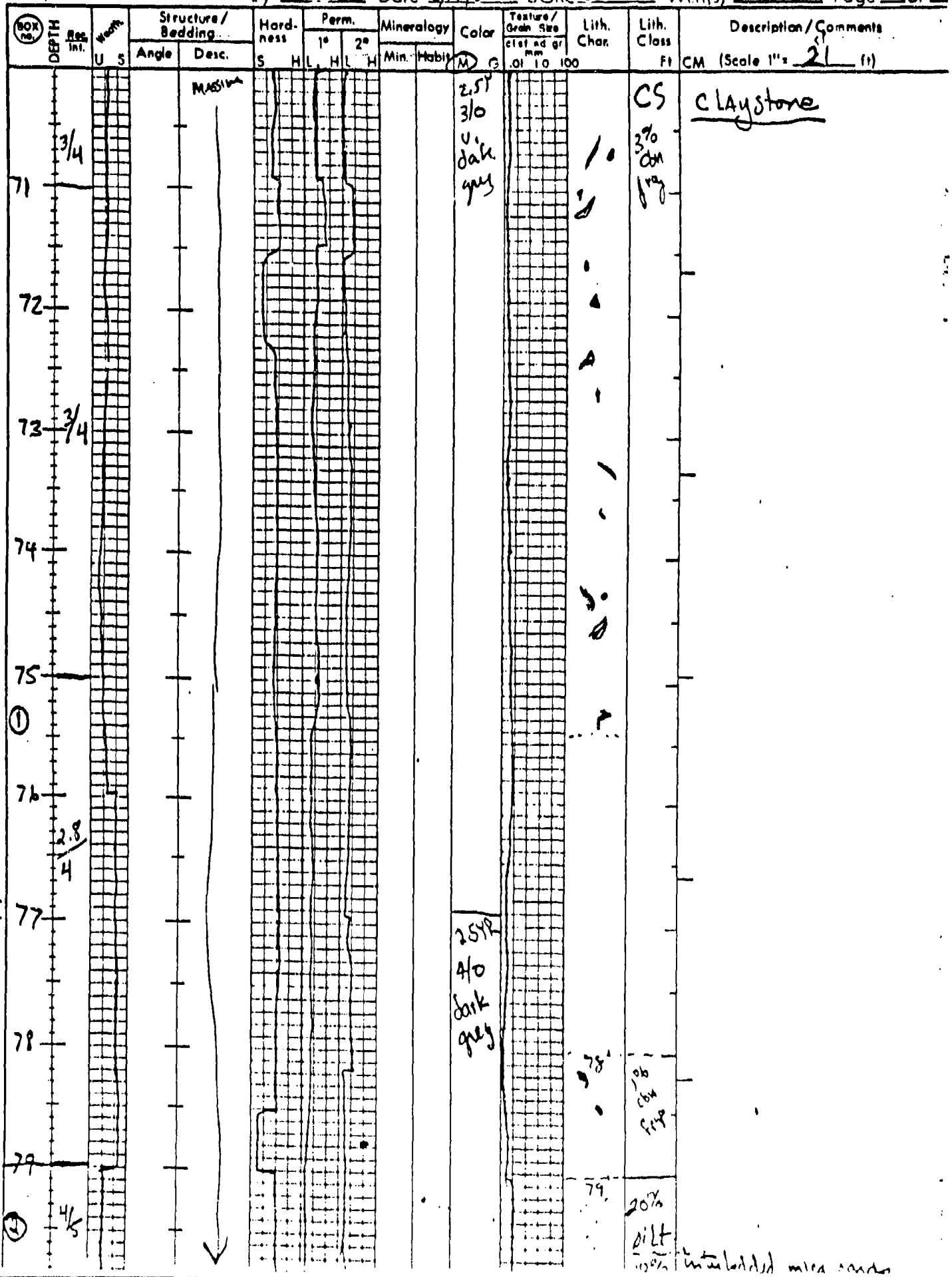
Drill Site Geologist: Angelo Ortelli logged by Author Date: 9/21/87

Reviewed By: Date:

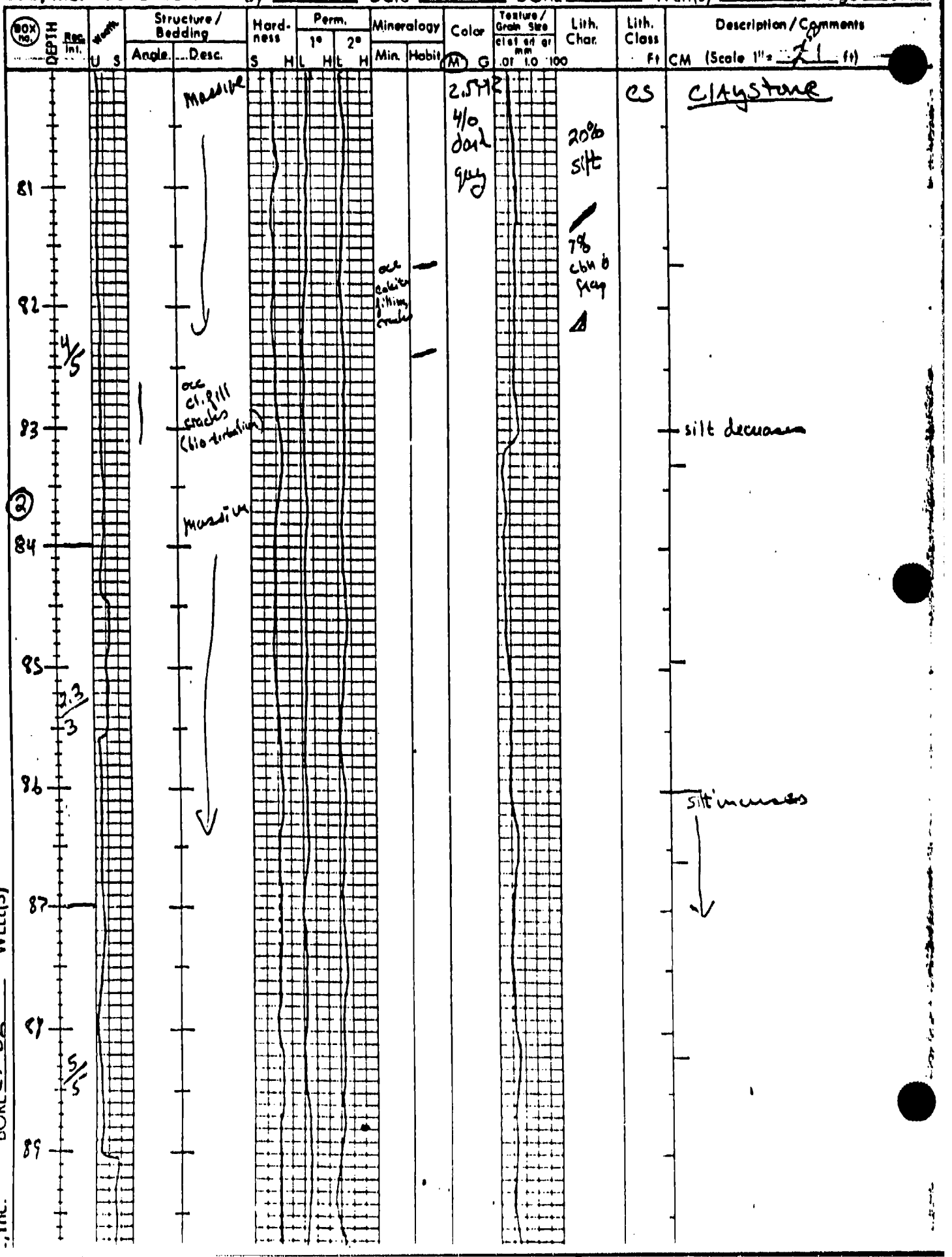
ESE, Inc. CORE LOG By SP Date 8/19/87 BORE EP-62 Well(s) _____ Page 1 of 9



ESE, Inc. CORE LOG By SP Date 8/19/87 BORE EP-62 Well(s) _____ Page 2 of 9



ESE, Inc. CORE LOG By SP Date 8/19/87 BORE EP-62 Well(s) _____ Page 3 of 9



ESE, Inc. CORE LOG By SP Date 8/19/82 BORE EP-62 Well(s) _____ Page 4 of 9

BOX No.	DEPTH	Rec. Int.	U	S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clay silt sd gr .01 mm 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 4 1/2 ft)
2						massive														claystone
	91	3/5																		
	92					finely bedded									2.5R	6/0			SS	SANDSTONE well cemented
						35%/SP 35°										grey		5% clay frags		
	93														2.5YR	4/0 dark grey		15% 1½" lithic clasts		
	94	5/5																40% lithic clasts		
	95																			
	96					finely bedded												20% clay frag		
						massive														Lithic conglomerate (claystone clasts) sand matrix
	97																			½ sand
																				Lithic conglomerate
	98	3.8/5				contact 5/10°														
3															2.5YR	4/0 dark grey		30% clay frags	SS	SANDSTONE 50% lithic (claystone) clasts (1")
	99																			

BORE EP-62 WELL(S)

ESE, Inc.

ESE, Inc. CORE LOG By SP Date 8/19/97 BORE EP-62 Well(s) _____ Page 5 of 9

Box no.	DEPTH	Rec. Int.	Structure/Bedding: Angle	Structure/Bedding: Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy: Min.	Mineralogy: Habit	Color (M)	Color G	Texture/Grain Size: clay sd gr	Lith. Char.	Lith. Class	Description/Comments (Scale 1" = 2 1/2 ft)
2	101	3.5/5		thinly bedded														SANDSTONE
																		- fine grained SS
	102			massive									2.5Y 4/0 dark grey			2.5Y 4/0 dark grey	CS	CLAYSTONE
																		glossy on fresh breaks
	103			CaCO3 fill joints														
	104	5/5																
	105																	
4	106																	
	107																	
	108	5/5		CaCO3 fill joint														
	109															20% silt		silt increases

E, Inc. BORE EP-62 WELL(S)

ESE, Inc. CORE LOG By SP Date 2/15/17 BORE EP-66B Well(s) _____ Page 6 of _____

BORE EP-62 WELL(S)

ESE, Inc.

Box no.	Depth	Rec. Int.	Weathering U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 1 ft)
4					thickly bedded irregular						2.5Y 4/0 dark gray		20% sand 10% silt	CS	Claystone finely interbedded with silt from 110.5 to 111'
	111				massive								111.2 20% silt	CS	
		5/5													
	112														silt decreases
	113								CaCO3 filled veins						silt increases
		5/5											20%		
	114														
	115														
5															
	116				finely bedded with abrupt contact				30% silica clasts 20% hematite		2.5Y 5/0 gray		116' 30% silt	SS	Sandstone, fine grained, well cemented
	117														
	118	4/5													
	119														
6					massive						2.5Y 4/0 dark		119.3	CS	Claystone almost a black looks

ESE, Inc. CORE LOG By SP Date 8/20/17 BORE EP-62 Well(s) _____ Page 7 of 9

Box no.	Depth	Rec. Int.	Weathering U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 1 ft)
	121				massive									5Y 3/1	very dark gray				claystone
	122																		
	123																		
	124																		
6					thin bands							30% anhedral 20% hornblende		2.5Y 3/0	very dark gray		124' 30% clay fragments	SS	SANDSTONE, fine grained
	125				massive														coarser grained w/ lithic clasts
	126				massive									5Y 3/1	gray		5% silt	CS	claystone
	127																		
	128																		
	129																		

BORE EP-62 WELL(S)

E, Inc.

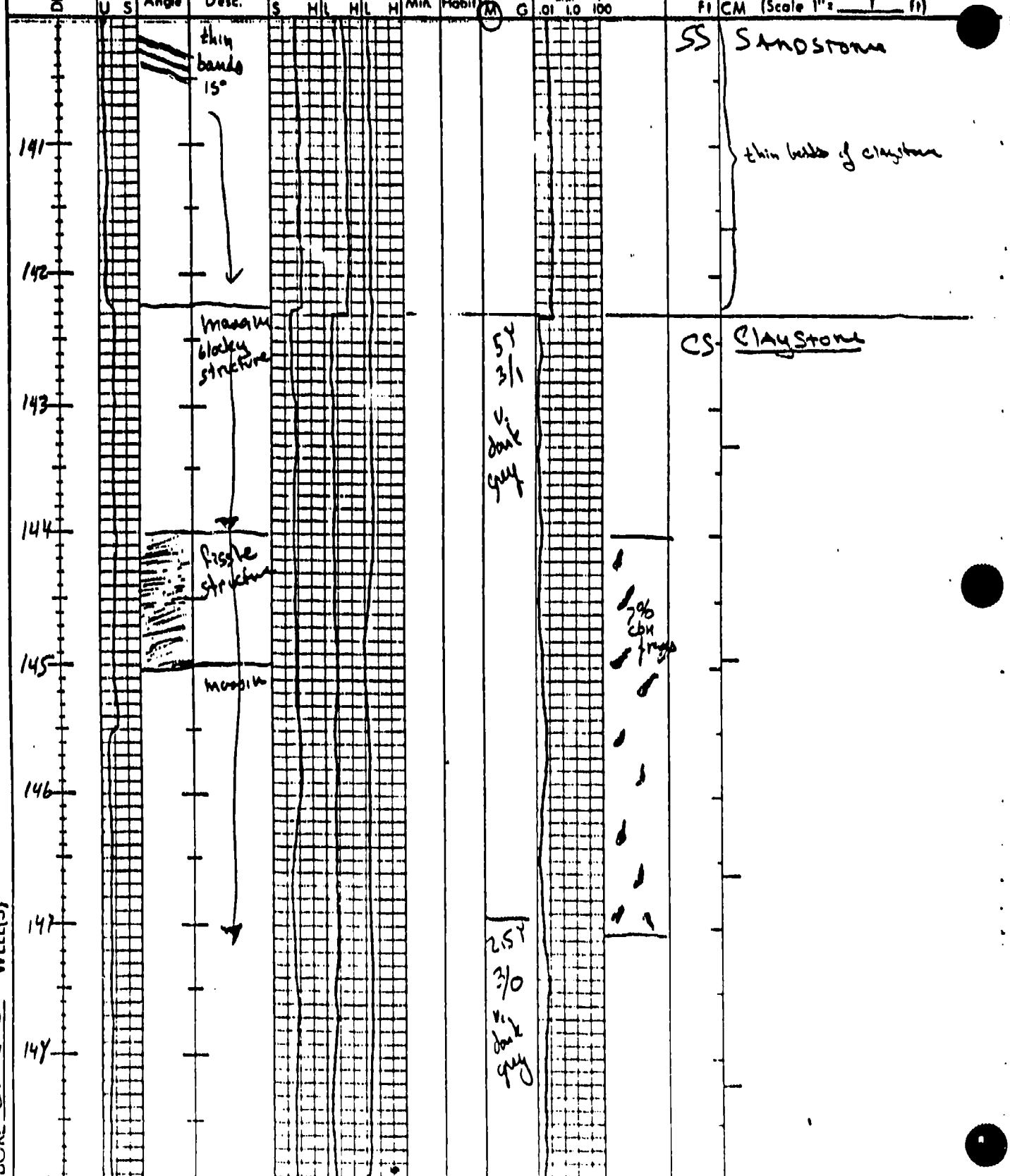
ESE, Inc. CORE LOG By SP Date 8/20/87 BORE EP-62SP Well(s) _____ Page 8 of 1

Box no.	Depth	Rec. Int.	Structure/Bedding: Angle	Structure/Bedding: Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy: Min.	Mineralogy: Habit	Color (M)	Color G	Texture/Grain Size: clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 1 ft)
	131			massive									5Y 3/1	gray			CS	Claystone
	132																	
	133																	
	134															134'		siltstone
7	135			massive									5Y 4/1	dark gray				
	136																	
	137			organic drilling bioturbation												137'	SS	sandstone, fine grained friable occasional v. thin lens of claystone
	138			oil and gilkeys														
	139			irregular bedding secondary structure														

BORE EP-62 WELL(S)

E, Inc.

ESE, Inc. CORE LOG By SP Date 8/20/87 BORE EP-62 SP Well(s) _____ Page 1 of _____



BORE EP-62 WELL(S)

ESE, Inc.

Frontier Logging
Lakewood, Colorado

Company: ESE
Bore Hole: EP-62
Area/Project: RMA
County: ADAMS COUNTY
State: COLORADO
Section / Township / Range / Elevation:
Log Measured From: Ground Level

Date: AUG. 20, 1987
Driller Depth: 150 FT
Bit Size: 3 7/8"
Casing Depth: 62 FT
Fluid in Hole: water + native mud
Survey Viscosity / pH:
Drilling Measured From: Ground Level

Time Out: 0735
Time In: 0805
Shift No.: 110
Operator: Wm. Linton
Location: Lakewood

T.D. Logged: 145 FT
Natural Gamma: 200 Scale = 20 CPS per inch
Time Constant: 2 Sec
Logging Speed: 15 Feet/Min
Caliper Source No/Value: CPS

Probe No: 103-1421
Probe Diameter: 1 5/8"
Source Type / Size: xtal 3/4 x 1"
K Factor: 2.38 x 10^-6
Shield Thickness:
Water Factor: 1.10
Casing Size: 3 7/8"
Casing Factor:
Resistance: 100 ohms/5" Ohms per Inch
S.P.: 10 MV/Inch MV per Inch

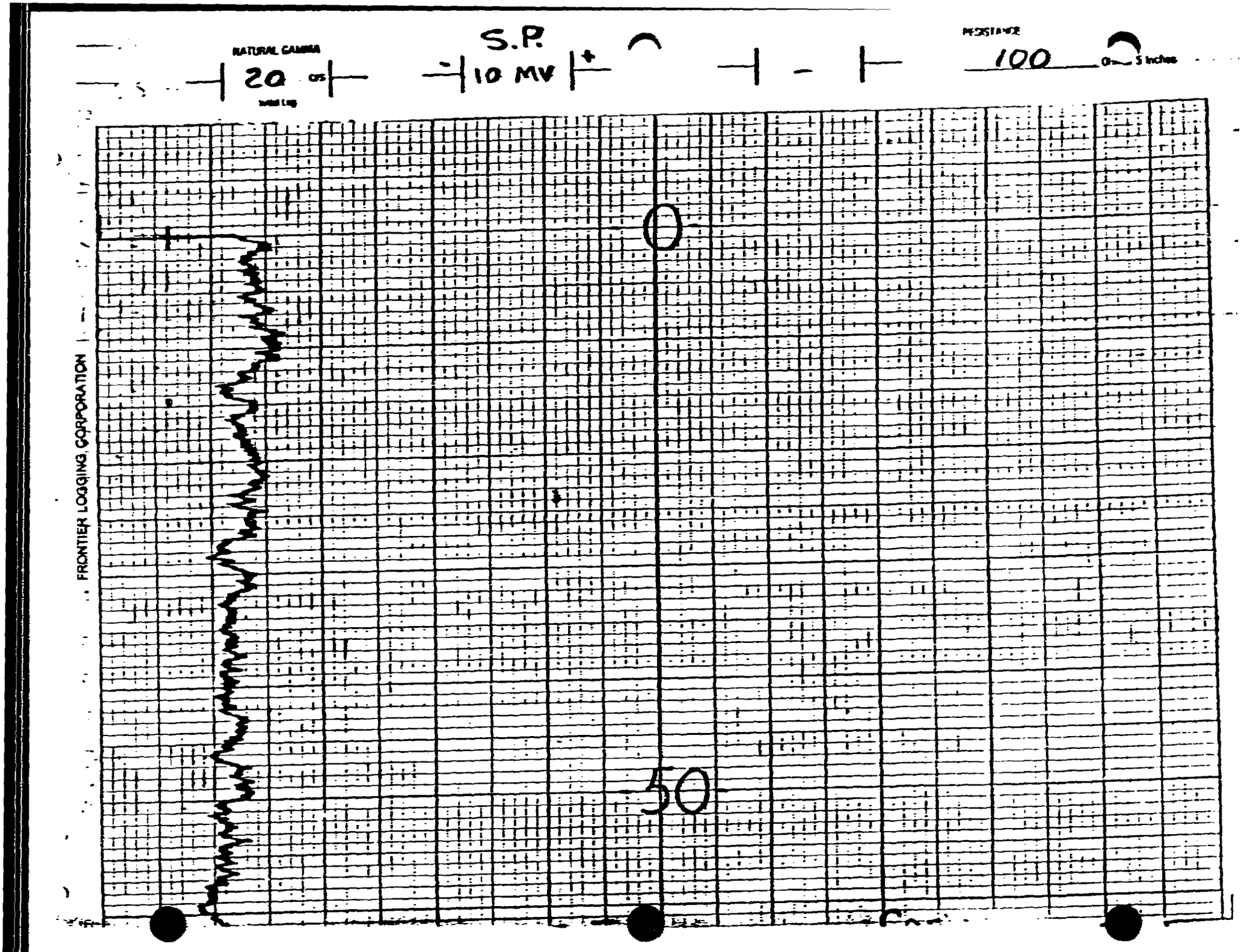
NATURAL GAMMA RAYS (ANALOG) (plotted log of work)
Scale: = CPS/In
T.C. Sec / Logging Speed Feet/Min
From Ft To Ft
Total Ft

Gamma (Analog) Ft
Gamma (Digital) Ft
Caliper Ft
Temperature Ft

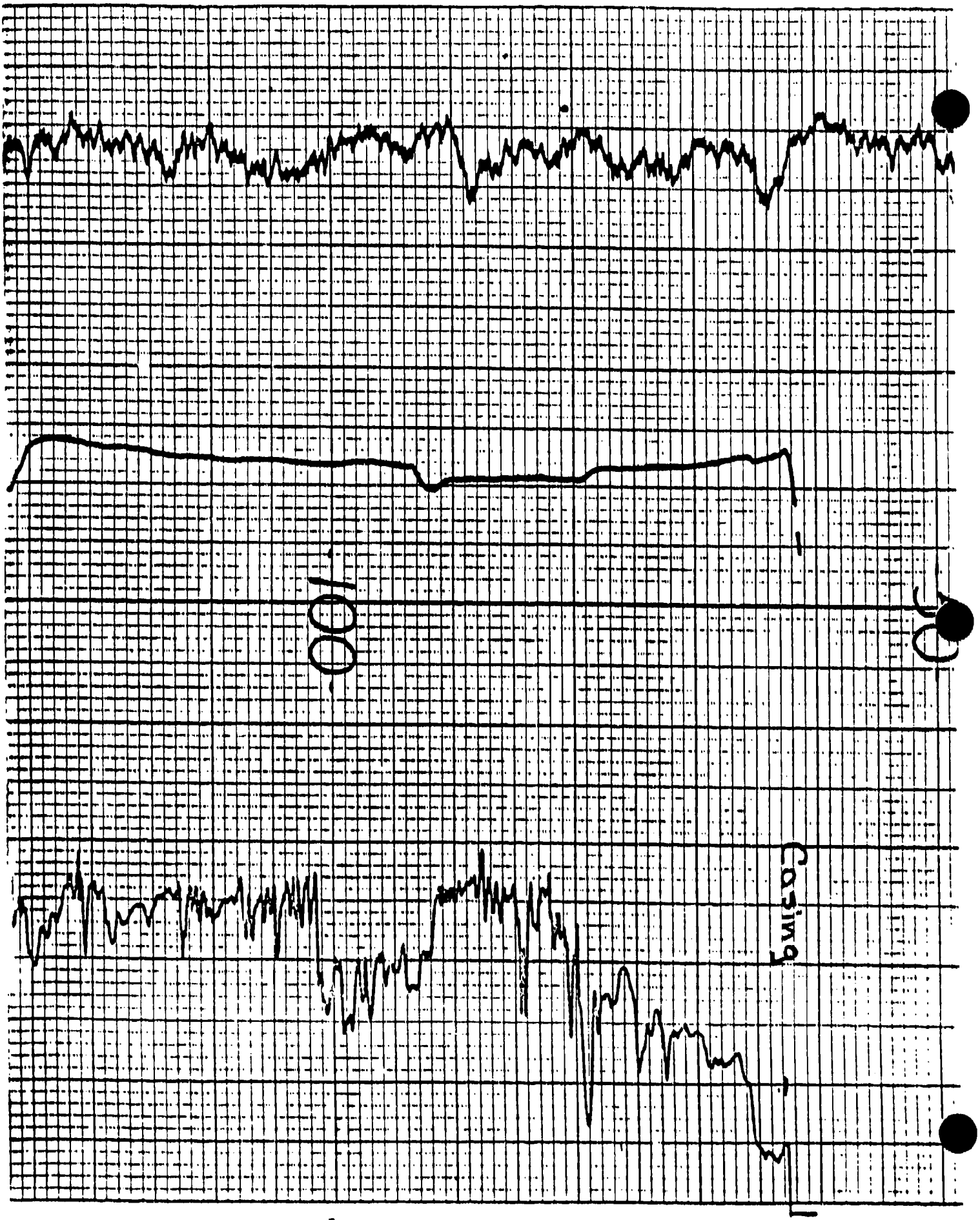
DIRECTIONAL DATA
Closure Ft
Azimuth
True Vertical Ft / Survey Depth Ft

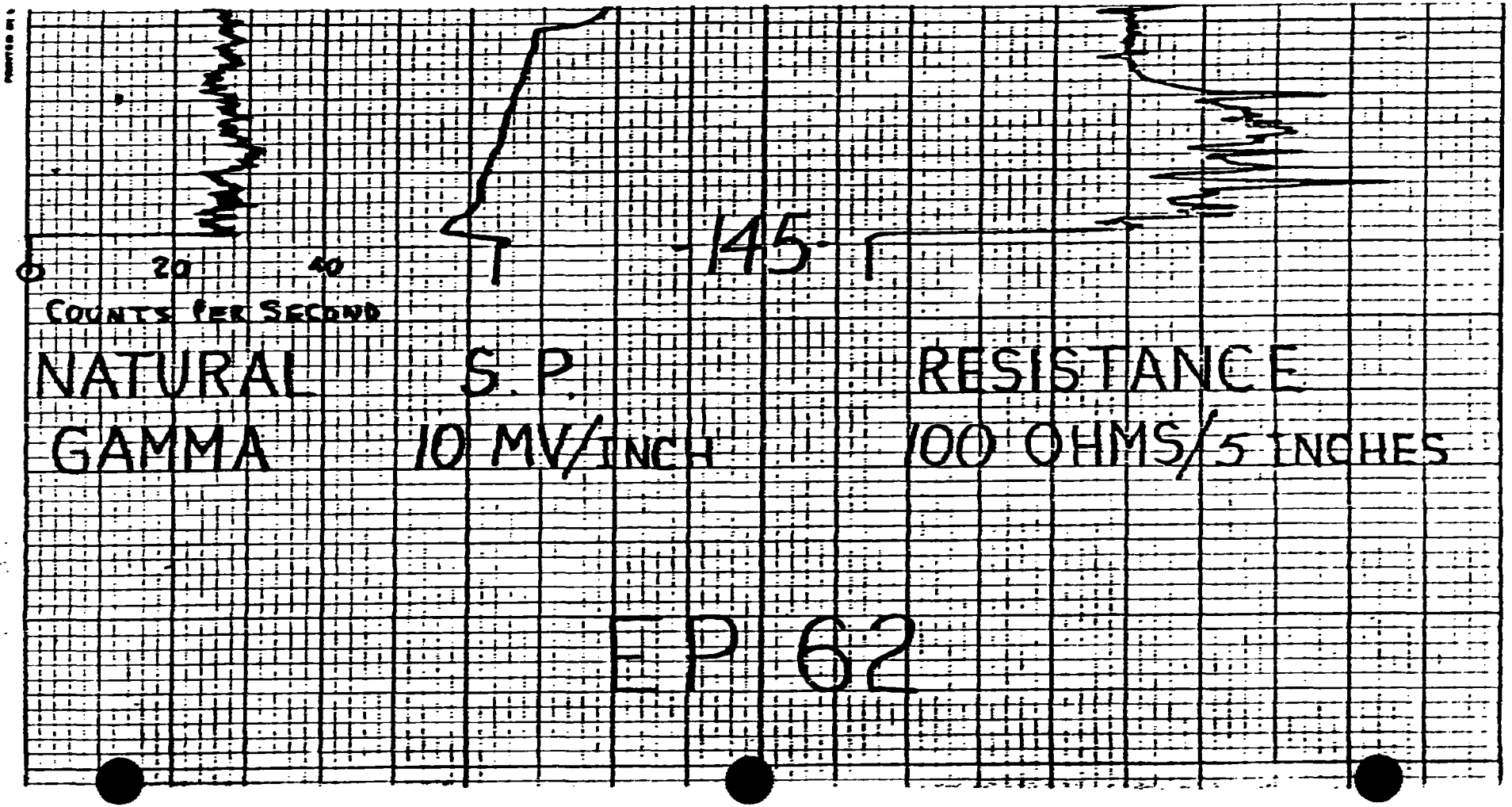
Density Source No
Type
CPS/Inch

Neutron Source No
Type / Strength
CPS/Inch


NATURAL GAMMA
20
S.P.
10 MV
RESISTANCE
100
5 inches
0
50
FRONTIER LOGGING CORPORATION

No. GC13142




0
20
40
COUNTS PER SECOND
NATURAL GAMMA
S.P.
10 MV/INCH
-145
RESISTANCE
100 OHMS/5 INCHES
EP 62

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WELL DEVELOPMENT DATA

Bore EP-62 D1 Well 34011

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 10/14/87
Date Installed 10/7/87
Personnel (Name/Company) DLW/ESE, WTV/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 65 ft.; 7⅞ in. 65 ft. to 102.5 ft.
Rig Used EPE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS
Screen Interval 92.0 ft. to 102 ft.; — ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 104.65 ft. (Final) 104.66 ft.
Bottom of Screen (Below G.L.) 102 ft.

Water Level TOC/Date/Time (Initial) 27.38 / 10-14-87 / 1113
(after 24 hrs.) 61.75 / 10-15-87 / 1351

Feet of Water in Well 77.27 ft. x 0.653 gallons/foot = 50.46 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
* One Purge Volume 63.24 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 316.2 gallons
Added Water ∅ gallons
Total Purge Volume 330 gallons
Casing/Anulus Volume 50.46 gallons
Volume Measured By 55 GALLON DRUMS
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN φ21 SN. 05088
pH 7.00 = 7.05 at 12.6 °C, pH 10.00 = 10.18 at 10.1 °C
Conductance Meter Used: YSI MODEL 33 HLA #3
Standard 1413 umhos/cm at 25°, Reading 1030 umhos/cm at 11.9 °C; 1306 @ 25°C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0 gal.	1156	12.2	11.73	460 @ 10.0°C 550 @ 25°C	muddy w/ dark gray silt, no odor
65 gal.	1247	14.2	10.94	330 @ 15.0°C 350 @ 25°C	cloudy w/ dark gray silt
100 gal.	1501	13.7	8.86	1005 @ 25°C	slightly cloudy w/ brown silt
107 gal.	1527	13.1	9.85	880 @ 25°C	cloudy w/ brown silt
Final					

Sandpack = 102' (bottom of screen)
− 87' (top of sand)
15' sandpack

Remarks: Initial DNW(TOC) = ? → 5 gpm.
Sandpack calibration ...
...
Sandpack Vol. = 15' x ...

* 1 Purge vol = 50.46 (casing vol.)
+ 12.78 (Sandpack vol.)
63.24 gal

Collected by [signature] Signature 10/14/87 Date

Checked by Signature Date

Dewatered several times @ 53 gallons 210 gallons

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WELL DEVELOPMENT DATA

Bore ED-62 D1 Well 34011

Project RMA ON-POST
Project Number Task 44
Date(s) Developed 10/15/87
Date Installed 10/7/87
Personnel (Name/Company) DW / ESE
WTV / ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 65 ft.
7⅞ in. 65 ft. to 103.5 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos / 7 GPM
Screen Interval 92.0 ft. to 102.0 ft.
— ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 104.65 ft.
(Final) 104.66 ft.
Bottom of Screen (Below G.L.) 102 ft.
Water Level TOC/Date/Time (Initial) 27.38/10-14-87/1115
(after 24 hrs.) 61.75/12-15-87/1351
Feet of Water in Well 77.27 ft. x 0.653 gallons/foot = 63.24 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 63.24 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 316.2 gallons
Added Water 0 gallons
Total Purge Volume 330 gallons
Casing/Anulus Volume 50.46 gallons
Volume Measured By 55 gal. drum
Surge Technique Raise/lower pump

Calibration: pH Meter Used: Beckman # 21 SN: 015883
pH 7.00 = 7.06 at 9.9 °C, pH 10.00 = 10.18 at 9.7 °C
Conductance Meter Used: YSI Model 32 ESE # 2 SN: 2603
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 107	1038	13.1	8.90	1007	partly cloudy some petroleum odor
115 ~~130~~	1153	16.2	8.06	982	partly cloudy
Final					

Remarks: Initial flow = 1-2 gpm. Water level = 62.0/10-15-87/1000
Pumping rate w/ 7 GPM pump = 0.14 GPM water level = 70 ... 10/15/87
: Well not producing any water; pull pump to check its operation; should have been able to pump 27 gallons. Shut down for now and allow recharge. ...

Collected by [signature] 10/15/87
Signature Date
Checked by [signature]
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-62D1 Well 34011

Project RMA ON POST
Project Number TASK 44
Date(s) Developed 10/27/87
Date Installed 10/7/87
Personnel (Name/Company) DWL ESE
WTV ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 65 ft.
7⅞ in. 65 ft. to 103.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 200PM
Screen Interval 92.0 ft. to 102.0 ft.
— ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 104.65 ft.
(Final) 104.66 ft.
Bottom of Screen (Below G.L.) 102 ft.
Water Level TOC/Date/Time (Initial) 27.30 / 10-14-87 / 1117
(after 24 hrs.) 61.75 / 12-15-87 / 1351
Feet of Water in Well 77.27 ft. x 0.053 gallons/foot = 63.24 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 63.24 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 316.2 gallons
Added Water 0 gallons
Total Purge Volume 330 gallons
Casing/Anulus Volume 50.46 gallons
Volume Measured By 55 GALLON DRUM
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 0155873
pH 7.00 = 7.02 at 19.0 °C, pH 10.00 = 10.07 at 19.5 °C
Conductance Meter Used: YSI MODEL 32 ESE #2
Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial ~~120~~ 115 DW	1522	14.4	9.21	~~957~~ DW 985	Purtly cloudy
~~150~~ 145 DW	1532	14.9	9.01	979	Mostly clear
Final					DLW

Remarks: Dewatered at 30 gallons (1532) water level = 60.11

Collected by DWL (ESE) 11-27-87
Signature Date

Checked by [signature] 12-11-87
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-62-D1 Well 34011

Project RMA ON-POST
Project Number TSK 414
Date(s) Developed 12-10-87
Date Installed 10-7-87
Personnel (Name/Company) WTV/ESE
KBP/ESE
Well Diameter (I.D.) 4.0 in.
Anulus Diameter 12¼ in. 0 ft. to 63 ft.
7⅞ in. 62 ft. to 105.5 ft.
Rig Used Well service truck
Screen Interval 42.0 ft. to 102.0 ft.
— ft. to — ft.
Pump (Type/Capacity) ESCO
Bailer (Type/Capacity)
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 104.65 ft.
(Final) 104.66 ft.
Bottom of Screen (Below G.L.) 102 ft.
Water Level TOC/Date/Time (Initial) 61.0 / 12-10-87 / 1053
(after 24 hrs.) (original SWL level = 27.38/10-14-87/1113) 61.75/12-15-87/1351
Feet of Water in Well 43.65 ft. x 0.653 gallons/foot = 28.5 gallons casing/anulus volume
Drilling Fluid Lost — gallons
Purge Water Lost — gallons
Added Water — gallons
Casing/Anulus Volume 50.46 gallons
One Purge Volume 63.24 gallons
Minimum Purge Volume 316.2 gallons
Total Purge Volume 330 gallons
Volume Measured By 55 gal. drum
Surge Technique rubber lower plunger

Calibration: pH Meter Used: Beckman 021 S/N: 015553
pH 7.00 = 7.04 at 13.4 °C, pH 10.00 = 10.14 at 13.1 °C
Conductance Meter Used: ~~Beckman PHI-21 SN 015553~~ YSI #52
Standard 1413 umhos/cm at 25°, Reading 1067 umhos/cm at 14.0 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 145	1128	13.7	9.14	541	very clear
210	1455	13.0	8.35	1023	clear
Final					

Remarks:

Collected by [signature] 12-10-87
Signature Date

Checked by [signature] 12.16.87
Signature Date

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SHEET 5 OF 5

WELL DEVELOPMENT DATA

Bore EP62-DL Well 34011

Project RMA ON POST

Project Number TSK 44

Date(s) Developed 10-11-87

Date Installed 10-7-87

Personnel (Name/Company) WN/ESE
KBP/ESE

Well Diameter (I.D.) 4.0 in.

Anulus Diameter 12¼ in. 0 ft. to 65 ft.
7⅞ in. 65 ft. to 103.5 ft.

Rig Used Well Service Truck

Pump (Type/Capacity) ESCO

Screen Interval 72 ft. to 102 ft.
— ft. to — ft.

Bailer (Type/Capacity)

Water Source RMA

Casing Height (Above G.L.) 2.7 ft.

Measured Well Depth TOC (Initial) 104.68 ft.
(Final) 104.68 ft.

Bottom of Screen (Below G.L.) 102 ft.

Water Level TOC/Date/Time (Initial) 27.38 / 10-14-87 / 1113
(after 24 hrs.) 61.75 / 12-15-87 / 1351

Feet of Water in Well 77.27 ft. x 0.653 gallons/foot = 63.24 gallons casing/anulus volume

Drilling Fluid Lost n/a gallons

One Purge Volume 63.24 gallons

Purge Water Lost n/a gallons

Minimum Purge Volume 316.2 gallons

Added Water 0 gallons

Total Purge Volume 330 gallons

Casing/Anulus Volume 50.41 gallons
+ sand pack vol. = 12.75

Volume Measured By 55 gal. barrel

Surge Technique raise & lower pump

Calibration: pH Meter Used: Beckman Phi 21 SN: 015553

pH 7.00 = 7.05 at 11.8 °C, pH 10.00 = 10.15 at 12.7 °C

Conductance Meter Used: YSI #2003

Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, color, sand content, color)
Initial 210	0854	12.2	7.86	1052	very clear
~~125~~ 275	1257	12.5	7.83	1074	same
330	1507	11.0	8.46	1115	same
				KP	
Final					

Remarks: Water level TOC = 61.87 10-11-87 0841
2.7 gpm [illegible]
Final Water [illegible] 12-11 1515
0903 [illegible] gpm 0910 15 gal
[illegible]

Collected by Kevin [illegible] 12/11/87
Signature Date

Checked by [illegible] [illegible]
Signature Date

EP-65

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BOREHOLE SUMMARY LOG

Borehole EP 65 Well

Project Name and Location MW Installation Project Number Tusk 44

Drilling Company Boyles Driller B. Roach Rig Number Failing 1500

Drilling Method(s) Continuous core - rotary

Size(s) and type(s) of bit(s) 7 7/8" Mine, 3 7/8" blade

Borehole Diameter 7 7/8 in. ____ cm. 0 ft. ____ cm. to 40 ft. ____ cm.

3 7/8 in. ____ cm. 40 ft. ____ cm. to 150 ft. ____ cm.

Sampling Methods Continuous core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 11

Number of Gallons Lost Drilling Fluid —

Date/Time Started Drilling 8-6-87 0741

Date/Time Completed Drilling 8-10-87 1208

Total Borehold Depth 150 ft. ____ cm.

Depth to Bedrock 36 ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? N/O

Date/Time Grouting Completed 8-18-87 0905

Depth of Tremmie Pipe 145 ft.

Gallons of Grout 100 gals.

Materials Used 10 bags cement, 100 gals. water, 1 bag bentonite

Comments Hole grouted to surface - Then staked for surveyors

Wellsite Geologist CD Kenson Date 8-11-87

Checked for Grout Settlement on ____ by ____

Amount of Grout Added ____

All Measurements from Ground Level

Reviewed by ____ Date ____

Drill Site Geologist ____ Date ____

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Borehole: RP-65 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						MUNSELL COLORS
0			NA		ML	Sandy-silt, ~10-15% v.f.gr. sand, 10 YR 5/2-3, grayish brown, non-plas., med. dense, dry, alluvium.
1	12-0	2'		12-0		
2						
3	4-2	1.8'		2-4'		At 3.0' clayey-silt ~20-30% clay, 10 YR 5/3, brown, non-plas, dense, dry, alluvium.
4						At 4.0', clayey-fine sand, ~30% clay, 10 YR 5/4, yuish brown, slightly plas, stiff, slightly moist, alluvium.
5	9-4	2'		9-4'		
6						

Drill Site Geologist: [signature] Date: 9/16/93

Reviewed By: [signature] Date: 11/15/93

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SHEET 2 OF 3

Borehole: EP-65 Well Number:

Depth–Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description MUNSELL COLORS
6			NA		ML	Clayey fine-sands, ~ 30-40% clay, ~30% v.f.gr. calcareous sands, 10 YR 6/4 light yowsh brn, mottled w/ 10 YR 8/1, white, slightly plas., stiff, slightly moist, alluvium.
7	7-9	1.6'		7-9		
8						At 8.0', clayey fine-sands, percent clay decreases to ~ 10-15%, 10 YR, 5/4, yowsh. brown, non-plas, loose, moist, alluvium.
9	9-11	2'		9-11		
10						At 10', clayey-fine sands, ~ 15-20% Clay, ~ 20-30% silt, 10 YR 5/4 yowsh brown, v. slight plas., soft, moist, alluvium.
11	11-13	2'		10-12'		
12						

LAB
Drill Site Geologist: A. Eckerle Date: 9/16/87

Reviewed By: [illegible] Date: 11/1/87

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SHEET 3 OF 3

Borehole: EP-65 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description (MUNSELL COLORS)
12			NA		ML	
13						At 13.0', clayey fine-sands, 20% clay, 10 YR 5/6-8 yrsh. brown, v. slight plas., soft, moist, alluvium.
14						
15					CL	Gravelly, sandy-clay, ~ 20% gravel (1/4" dia), 30% v.f.gr. sand, 10 YR 5/3-4, brown, mod. plas, mod. stiff, moist, alluvium.
16					GC	At 16', ~~gravelly, sandy~~ to clayey, sandy-gravels, ~ 20% clay, 30% fine-med gr sand, 10 YR 5/4-6 yrsh brn, non-plas, loose, moist, alluvium.
17					SP	Gravelly-sands, ~ 30-40% gravel (1/4-1/2" dia), fine-med gr sands, 10 YR 5/4, yrsh brn, non-plas, loose, slightly moist, alluvium.
18						

END OF BORING LOG

LAB Drill Site Geologist: A. R. Date: 7/16/85

Reviewed By: Date: 11/5/12

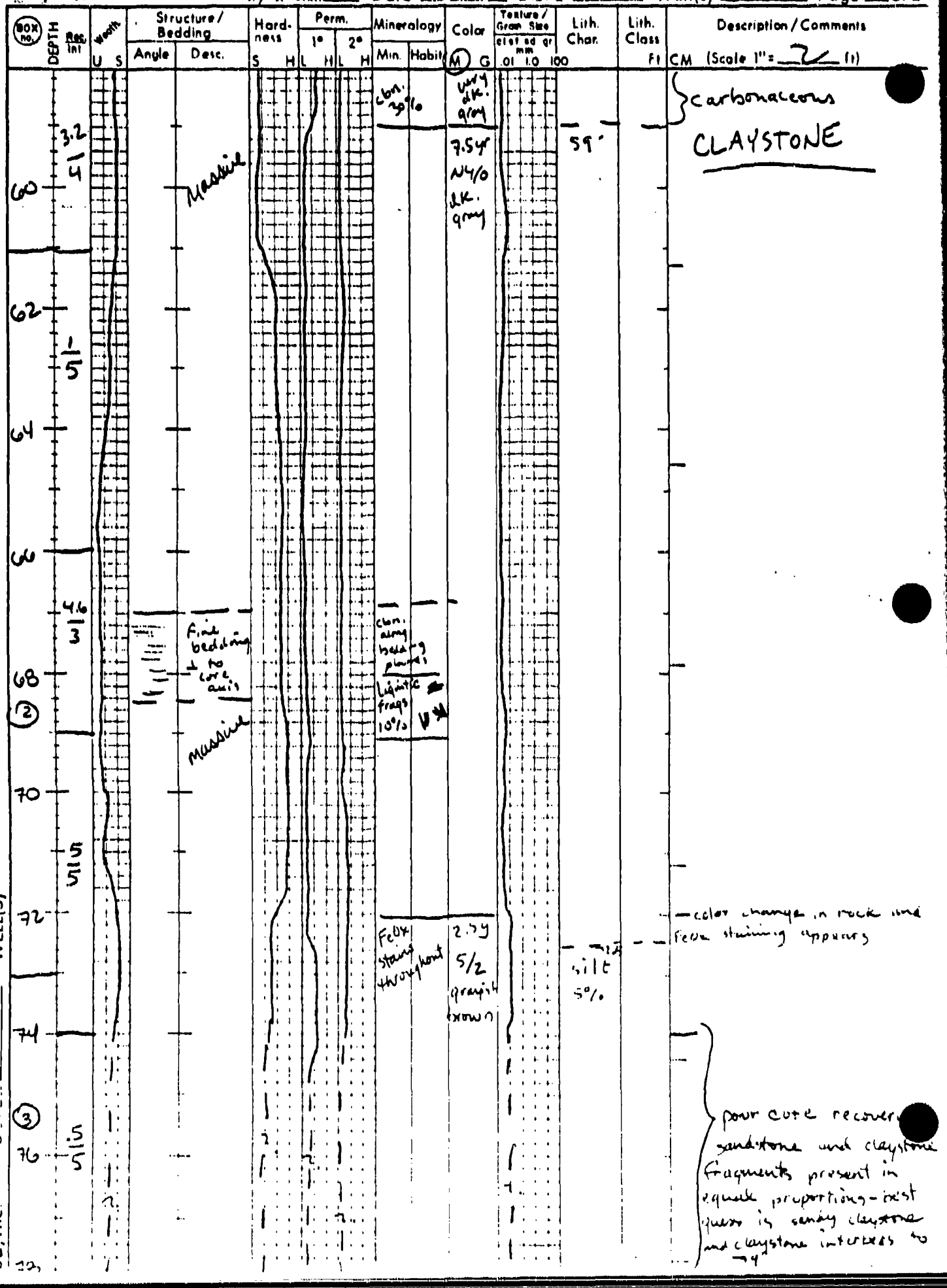
ESE, Inc. CORE LOG By CDB Date 8.10.87 BORE EP-65 Well(s) _____ Page 1 of 6

RQD (%)	Rec. Int.	DEPTH	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1": 2 ft)
		40													bedrock (claystone) at 36' drill & set casing to 40'
															coring begins at 40'
	3/3	42			fracs. 1-3/1'				FeOx on fracs	cavity	2.5Y 6/6 olive yellow			CL	CLAYSTONE
	1.7/4	44													Note: poor core recovery from 40' to ≈80' — contacts are as accurate as possible with this erratic core
		46													
		(1)											47'	SS	SANDSTONE
	.5/4	48			massive										
	1/1														
		50											50'	CL	CLAYSTONE
	1.6/2														
		52													
	2/0														
		54			x-bedding fine undulating bedding				FeOx along bedding fracs						
	1.0/														
	1.5/2	56													
									chert 2%		2.5Y N7/0		57'		carbonaceous

WELL(S) BORE EP-65

ESE, Inc.

ESE, Inc. CORE LOG By CDB Date 8.10.87 BORE EP65 Well(s) _____ Page 2 of 16



ESE, Inc. CORE LOG By CDB Date 8.10.87 BORE EP-65 Well(s) _____ Page 3 of 6

Box No.	Depth	Rec. Int.	Weath U	Weath S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min	Mineralogy Habit	Color M	Color G	Texture/Grain Size clay	silt	sd	gr	Lith. Char.	Lith. Class	Description/Comments CM (Scale 1" = 2 ft)
	78'																					SS	SANDSTONE
						massive but friable							FeOx staining common, 0.5%		2.5Y 6/4 lt. yellowish brown								poorly cemented / friable
	80	1.6																					ss med grained, primarily qtz.
	82																						
(3)																							
	84	4.6																					
	86												a few spots of manganese oxide intergrown w/ FeOx stains										
	88																						black staining on core - looks oily, but no HNU readings - does not appear natural/native
	90	1.5				occas. coarse bedding							FeOx stains following bedding										
	92					less friable																	ss less friable
	94												Lithic fragments		2.5Y N4/0 dk gray								Unit boundary: end of FeOx, dramatic color change to gray at coarser ss than 1" with lithic (clay stone) frags.
(4)		1.4																					
	96																				96.4	SS	clayey SILTSTONE
	98					fractured							pyrite & marcasite		2.5Y N2/0						97'	CL	CARBONACEOUS CLAYSTONE

BORE EP-65 WELL(S)

Box no.	DEPTH	Rec. Int.	Smooth U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2' ft)
	100	5 1/5		30°	Slickenside				3 1/4" calc. vein	S	2.5y N7/0 very dk. gray		4% carbon. 10% pervasive foss. frags	CL	CLAYSTONE Carbonaceous
				45°	Slickenside								101.6		101.6-102' mottled claystone, lg. carbon frags, and siltstone
	102				massive but friable								102' silty 30%	SS	SANDSTONE SILTY
	104	5 1/2							carb frags 5-7% (ave. 1/4")		2.5y N6/0 gray				
(3)	106												105' silt 10%		silt gradually decreasing, ss becoming coarser
															End of carb. frags
	108	5 1/5									2.5y N4/0 dk. gray		107' no silt		sandstone very friable, poorly cemented ss now med. grained, mostly qtz.
	110														
	112														NOTE AGAIN: This sandstone is very poorly cemented and very friable. Moderate washing of the core results in large yours — The point: if this is screened, cleaning the hole or developing the well will result in abundant sands filling in, probably.
(2)	114	2.5 5 1/													thin interbeds of linear grained ss
	116														

BORE EP-65 WELL(S)

E, Inc.

ESE, Inc. CORE LOG By CDB Date 8-10-87 BORE OP65 Well(s) _____ Page 5 of 6

Box no.	Depth	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size cl si sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM – (Scale 1" = 2 ft)
	120	5/5			massive but friable						2.5Y	N4/0 dk. gray			SS	SANDSTONE poorly cemented and very friable
6																
	122															
	124	4.4/5														
	126															
7																
	128															
	130	5/5														
	132								massive, mod pyrite 15%		2.5Y	N3/0 very dk. gray		132 CBN 40%	CL	CARBONACEOUS CLAYSTONE
	134	10/5							CBN 10-15%	massive, fragments				134 CBN 10% - 15%		CLAYSTONE
	136															
8		1/1														

ESE, Inc. CORE EPES

ESE, Inc. CORE LOG By CDB Date 8-10-87 BORE EP65 Well(s) _____ Page 6 of 6

Box no.	Depth	Rec. Int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clist sd gr .01 1.0 100 mm	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	140												clay 15%	fragments + porosity	2.5Y N3/0 very dk. gray				CL	CLAYSTONE
	142	4 5/12											lithic	clay				142 / 142.4		porphyritic texture — lithic frags of rounded claystone in claystone matrix
	144												clay 15%	frags with matrix						
8	146	5 5/10																		
	148	3.5 2 1/2																		
9	150														2.5Y N5/0 gray					END OF CARDIN

Total Depth 150'

ESE, Inc. BORE EP65 WELL(S)

Frontier Logging
Lakewood, Colorado

Date: Aug. 11, 1987

Company: ESE
Well: EP 65
Project: RMA
County: ADAMS COUNTY
State: COLORADO
Section:
Township:
Range:
Permanent Datum:
Log Measured From: Ground Level
Drilling Measured From: Ground Level
Elevation:

Driller Depth: 150 FT
Bit: 3 7/8"
Type Fluid: drill pipe to 85 FT
Source of Sample: water + native mud
Rm @ Meas Temp:
Rmf @ Meas Temp:
Rmc @ Meas Temp:
Time Logger On Bottom: 0735
Time Logger Off Bottom: 0835
Unit No: 110
Location: W. Linton
Recorded By: Lakewood

EQUIPMENT DATA

TD Logged: 145 FT.
Natural Gamma: 200 Scale = 20
Time Constant: 2
Logging Speed: 15
Run No: 103-1041
Bit Diameter: 15/8"
Detector Type: xtal 3/4 x 1 1/4"
K Factor: 1.60 x 10^-5
Gain Setting: 7
Mud Factor: 1.10
Casing Diameter: 3 7/8"
Casing Factor:
Resistance: 100 ohms/5"
SP: 20 MV/Inch

NATURAL GAMMA RERUNS (ANALOG)
(Indicate log and scale)

Run #1 Hole blocked @ 73 FT going thru 56 FT of drill pipe

Run #2 Logged thru 85 FT of drill pipe

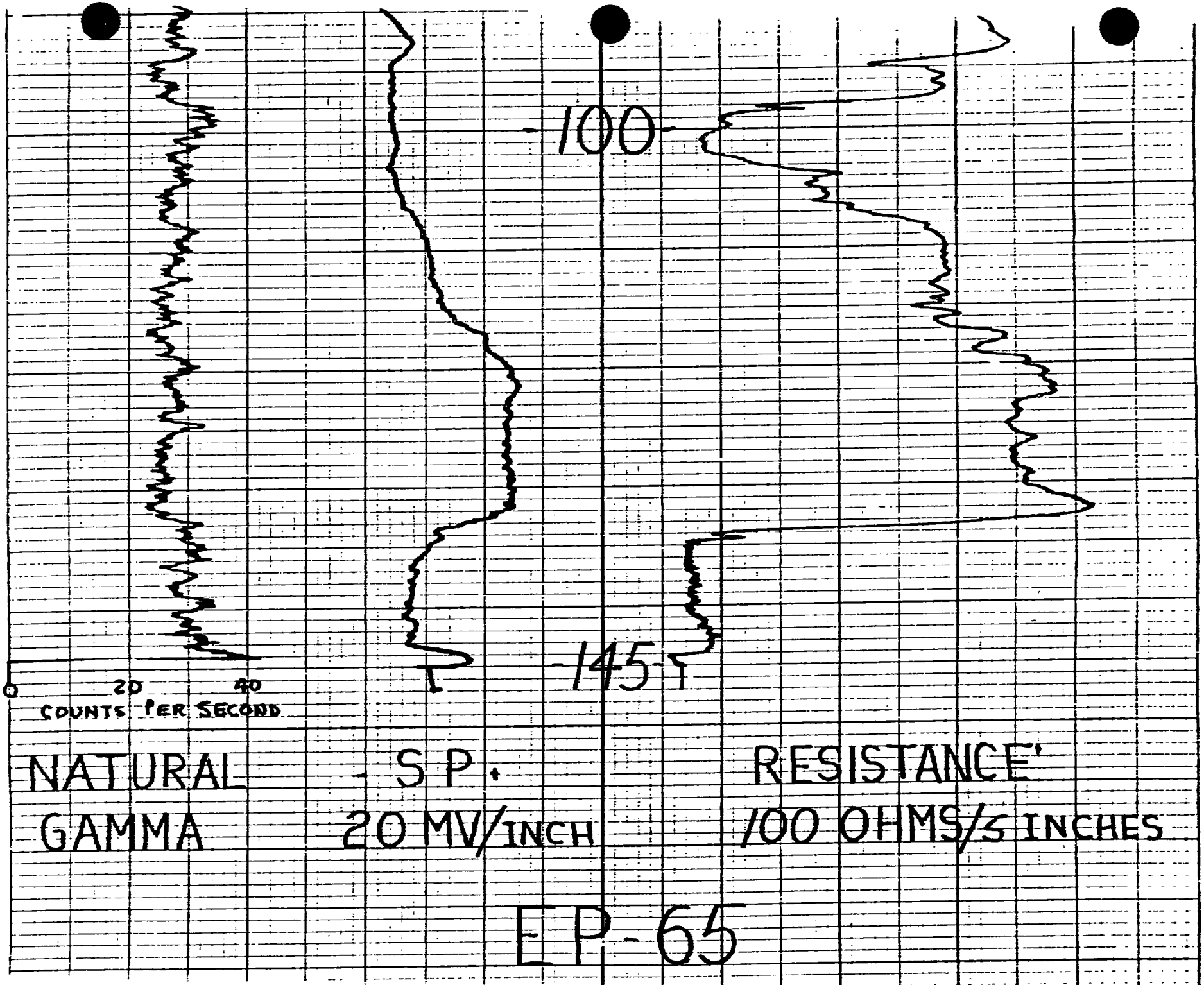
Gamma (Analog):
Gamma (Digital):
Caliper:
Temperature:

DIRECTIONAL DATA

Closure:
Azimuth:
True Vertical:
Survey Depth:

Density Source No:
Type:
Neutron Source No:
Type:

bottom of drill pipe
50'
Lagged inside drill pipe



ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7338 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0830

WELL CONSTRUCTION SUMMARY

Borehole EP-65 D1 Well 34012
Project Name and Location RMA T44, SE¼ Sect. 34 Project Number 17353.081.10
Drilling Company Boyles Bros. Driller D. Lavoie Rig Number ZR
Drilling Method(s) Rotary

Borehole Diameter 12¼ in. ____ cm. 0 ft. ____ cm. to 46 ft. ____ cm.
7⅞ in. ____ cm. 46 ft. ____ cm. to 98 ft. ____ cm.

Size(s) and types of Bit(s) 12¼"? 7⅞" Blade Bits
Sampling Method(s) Previously Cored
Date/Time Start Drilling 10/8/87 0745
Size and Type PVC 4" ID Sch 40
Date/Time Finish Drilling 10/9/87 0945
Total Borehole Depth 98 ft. ____ cm.
Date/Time Start Completion 10/9/87 1230
Depth to Bedrock 46 ft. 36 in. cm.
Date/Time Cement Protective Casing ____
Depth to Water — ft. ____ cm.
Materials Used 101.7' PVC
Water Level Determined By —
Plain PVC 80.38'
Length Plain PVC (total) 77.23 ft. ____ cm.
Slotted PVC 21.37'
Length of Screen 21.37 ft. ____ cm.
Bentonite Pellets 2.5 bucket (150 lb)
Total Length of Well Casing 98.6 ft. ____ cm.
Bentonite Granular 7½ bags (80 lb)
PVC Stick Up 1.6 ft. ____ cm.
Cement 7½ bags (140 lb)
Depth to Bottom of Screen 96.5 ft. ____ cm.
Sand 5 bags (500 lb) Colo. Silica
Depth to Top of Screen 75.98 ft. ____ cm.
Water added during completion 0
Depth to Top of Sand 71.0 ft. ____ cm.
Water added during drilling 0
Depth to Top of Bentonite 65.0 ft. ____ cm.
Total Gallons of water added 0

Drill Site Geologist A.E. Stelli
Date 10/9/87

WEEP HOLE/INT CHECK: 10/14/87 1345 DLW & LUTV

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 10/10/87 1430 DLW & LUTV
Date/Time/Personnel Casing Painted 10/21/87 1000 DLW & LUTV
Date/Time/Personnel Numbers Painted 10/28/87 1520 LUTV
Materials Used 16 BAGS BENTONITE

Top of Protective Casing to Top of PVC	0.40 ft.	____ cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.54 ft.	____ cm.	
Top of Protective Casing to Internal Mortar	1.77 ft.	____ cm.	
Top of Protective Casing to Top of Cement Pad	1.55 ft.	____ cm.	
Top of Protective Casing to Ground Level	1.35 ft.	____ cm.	

Reviewed By ____ Date ____
Drill Site Geologist ____ Date ____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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Borehole: EP-6571 Well: 34012

Depth-Feet	Soil/Rock Type	Well Completion	Description
		4" Steel; 4" PVC; Ground Level	• 8" ID Steel Casing From 1.9' Above Ground To 46.0' Below Surface • 4" ID PVC Casing From 1.6' Above Ground To 97.0' Below Surface
5		5.33 jt.	
10			
		15.36 jt.	
20			
		25.39 jt.	
30			
		35.43 jt.	
40	CL		
		45.48 jt.	TD (8" Steel) : 46.0'
	SS		
50	CL		
		55.52 jt.	
60			
		65.59 jt	Top of Bentonite : 65.0'
70		~~Top jt No~~	Top of Sand : 71.0'
		75.63 jt	Top of Screen : 75.18'
80	SS	~~Bottom jt No~~	
		86.14 jt	
90		~~Bottom jt No~~	Bottom of Screen : 96.5'
	CL		TD: 97.0' (PVC)
100			

Drill Site Geologist: N.C. Wuthrich Date: 10/9/87

Reviewed By: [signature] Date: 3/17/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-650I Well P34012

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 10/26/87 Date Installed 10/9/87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

WTV/ESE Anulus Diameter 12¼ in. 0 ft. to 46 ft.

Rig Used ESE WELL SERVICE TRUCK 7⅞ in. 46 ft. to 98 ft.

Pump (Type/Capacity) GRUNDFOS/26 GPM Screen Interval 75.5 ft. to 96.5 ft.

Bailer (Type/Capacity) N/A — ft. to — ft.

Water Source RMA Casing Height (Above G.L.) 1.6 ft.

Measured Well Depth TOC (Initial) 95.95 ft. Bottom of Screen (Below G.L.) 96.5 ft.

(Final) 98.50 ft.

Water Level TOC/Date/Time (Initial) 73.0 / 10-26-87 / 1015

(after 24 hrs.) 72.90 / 10-27-87 / 1530

Feet of Water in Well 22.95 ft. x 0.653 gallons/foot = 14.99 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 40 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 200 gallons

Added Water 0 gallons Total Purge Volume 300 gallons

Casing/Anulus Volume 15 gallons Volume Measured By 55 GALLON DRUM

Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN φ 21 SN: 015583

pH 7.00 = 7.02 at 18.9 °C, pH 10.00 = 10.08 at 18.9 °C

Conductance Meter Used: YSI MODEL 32 ESE #2

Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 5 gallons	1038	15.0	12.81	1563	"Soupy" muddy brown w/ some fine black sand
40 gallons	1052	14.4	10.13	496	Cloudy w/ brown silt & fine black sand
80 gallons	1108	14.5	9.15	539	Cloudy w/ brown silt & brown/black fine sand
120 gallons	1134	13.8	8.32	574	Cloudy w/ fine brown silt & fine sand
160 gallons	1143	13.7	7.65	570	Cloudy w/ brown silt & fine sand very little silt / sand
Final 200 gallons	1156	14.0	7.79	552	Cloudy w/ brown silt & fine sand little silt

Sand pack. Top of sand = 79.0 / 255

Remarks: Initial HNU (TOC) = 20-30 ppm.

Developed @ 93 gallons (17 min w/ surge)

Sandpack vol: 25.5 ft × .852 gal/ft = 21.7 gal

1 Purge vol = 150 gal. (Casing vol.)

+ 21.7 gal (Sandpack vol)

36.7 gal. ≈ 40 gallons

Collected by _____ 10/26/87
Signature Date

Checked by _____
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-65D1 Well 34012

Project RMA ON-POST

Project Number TASK 44

Date(s) Developed 10/26/87

Date Installed 10/9/87

Personnel (Name/Company) DLW / ESE, WTV / ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 12¼ in. 0 ft. to 46 ft.; 7⅞ in. 46 ft. to 98 ft.

Rig Used ESE WELL SERVICE TRUCK

Pump (Type/Capacity) GRUNDFOS / 26 GPM

Screen Interval 75.4 ft. to 96.5 ft.; — ft. to — ft.

Bailer (Type/Capacity) N/A

Water Source RMA

Casing Height (Above G.L.) 1.6 ft.

Measured Well Depth TOC (Initial) 55.55 ft. (Final) 98.10 ft.

Bottom of Screen (Below G.L.) 96.5 ft.

Water Level TOC/Date/Time (Initial) 73.0 / 10-26-87 / 1015

(after 24 hrs.) 72.40 / 10-28-87 / 1530

Feet of Water in Well 22.45 ft. x 0.653 gallons/foot = 14.44 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

* One Purge Volume 40 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 200 gallons

Added Water ⌀ gallons

Total Purge Volume 300 gallons

Casing/Anulus Volume 15 gallons

Volume Measured By 55 GALLON DRUM

Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN # 21 SN: 015883

recalibration → pH 7.00 = 7.02 at 19.0 °C, pH 10.00 = 10.09 at 19.4 °C

Conductance Meter Used: YSI MODEL 32 ESE #2

Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
~~Initial~~ 240	1208	13.7	7.00	627	Partly cloudy w/ brown/black fine sand.
Final 300	1225	14.0	7.64	600	partly cloudy w/ brown/black fine / m. sand.
Final					DLW

Remarks: HNU (TOC) at 250 gallons - 0.0 ppm
Water showed no sign of becoming completely clear.

1 Purge vol. = 15.0 gal. (casing vol.)
+ 21.7 gal (sand pack vol.)
36.7 gal ≈ 40 gallons

Collected by [signature] Signature 10/26/87 Date

Checked by [signature] Signature [illegible] Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole EP-65 Dr Well 34013
Project Name and Location RMA Tract 44, SE41 Sect. 24 Project Number 081
Drilling Company Boyles Bros. Driller Joe Garcia Rig Number IR
Drilling Method(s) Rotary wash

Borehole Diameter 16 1/4 in. ____ cm. 0 ft. ____ cm. to 39 ft. ____ cm.
11 3/4 ~~12 1/4~~ in. ____ cm. 39 ft. ____ cm. to 98 ft. ____ cm.
7 7/8 in 98 ft. to 135 ft.

Size(s) and types of Bit(s) 16 1/4", ~~12 1/4~~ 7 7/8" 11 3/4" Blade Bits
Size and Type PVC 4" Sch 40
Total Borehole Depth 135 ft. ____ cm.
Depth to Bedrock 36 ft. ____ cm.
Depth to Water — ft. ____ cm.
Water Level Determined By —
Length Plain PVC (total) 107.58 ft. ____ cm.
Length of Screen 26.72 ft. ____ cm.
Total Length of Well Casing 134.30 ft. ____ cm.
PVC Stick Up 1.3 ft. ____ cm.
Depth to Bottom of Screen ~~132.5~~ ft. 132.5 ft. cm.
Depth to Top of Screen 106.44 ft. ____ cm.
Depth to Top of Sand 101.0 ft. ____ cm.
Depth to Top of Bentonite 96.0 ft. ____ cm.

Sampling Method(s) Truemud cored
Date/Time Start Drilling 10/18/87 1050
Date/Time Finish Drilling 10/19/87 1240
Date/Time Start Completion 10/19/87 1445
Date/Time Cement Protective Casing ____
Materials Used ____
Plain PVC 137.27'
Slotted PVC 26.72'
Bentonite Pellets 2 buckets (100 lb.)
Bentonite Granular 5 bgs. (250 lb.)
Cement 45 bgs (4050 lb.)
Sand 8 bgs (800 lb.)
Water added during completion 0
Water added during drilling 0
Total Gallons of water added 0

Drill Site Geologist A.E. Intelli Date 10/15/87

INT MORTAR/WEEP H. C 10/20/87 1515 DLW & WTV

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 10/20/87 1515 DLW & WTV
Date/Time/Personnel Casing Painted 10/21/87 1545 DLW & WTV
Date/Time/Personnel Numbers Painted 10/28/87 1520 WTV
Materials Used 14 BAGS SACRETE

Top of Protective Casing to Top of PVC	0.80 ft.	____ cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.17 ft.	____ cm.	
Top of Protective Casing to Internal Mortar	1.35 ft.	____ cm.	
Top of Protective Casing to Top of Cement Pad	1.85 ft.	____ cm.	
Top of Protective Casing to Ground Level	2.15 ft.	____ cm.	

Reviewed By [signature] Date 12/8/87
Drill Site Geologist ____ Date ____

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Borehole: EP-65D2 Well: 34013

Depth-Feet	Soil/Rock Type	Well Completion	Description
		8" STEEL; 4" PVC; 2.0'; 1.3'; 12" Ø	12" ID STEEL: GROUND TO 39.0' BELOW 8" ID STEEL: 2.0' ABOVE GROUND TO 98.0' BELOW 4" ID PVC: 1.3' ABOVE GROUND TO 133.0' BELOW
0		Ground Level	
		5.77 jt.	
15		15.87 jt.	
		25.89 jt.	
30		35.93 jt.	
	CL		TD: (12" STEEL): 39.0'
45	GR	45.98 jt.	
	SS		
	CL	56.03 jt.	
60			
		66.06 jt.	
75		76.09 jt.	
	SS		
90		86.15 jt.	TOP OF BENTONITE SEAL: 96.0'
	CL	96.2 jt.	TD (8" STEEL): 98.0'
105	SS	106.28 jt.	TOP OF SAND PACK: 101.0'
			TOP OF SCREEN: 106.14'
		116.50 jt.	
120			
		127.34 jt.	
			BOTTOM OF SCREEN: 132.5'
135	CL		TD: 133.0' (PVC)

Drill Site Geologist: S.F. Portello Date: 10/15/87

Reviewed By: [signature] Date: 11/7/87

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-6522 Well 34013

Project RMA - ON-POST
Project Number T.I.S.K. 44
Date(s) Developed 10/26/87
Date Installed 10/14/87
Personnel (Name/Company) DLW / ESE
Well Diameter (I.D.) 4 in.
WTV / ESE
Anulus Diameter 16½ in. 0 ft. to 39 ft.
Rig Used ESE 4WD SERVICE TRUCK
* 11¾ in. 39 ft. to 99 ft.
Pump (Type/Capacity) GRUNDFOS 26 GPM
Screen Interval 106.44 ft. to 132.5 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.3 ft.
Measured Well Depth TOC (Initial) 134.6 ft.
Bottom of Screen (Below G.L.) 132.5 ft.
(Final) 134.41 ft.
Water Level TOC/Date/Time (Initial) 48.3 / 10-26-87 / 1500
(after 24 hrs.) 48.49 / 11-2-87 / 1345
Feet of Water in Well 86.3 ft. x 0.653 gallons/foot = 56.35 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
** One Purge Volume 85 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 425 gallons
Added Water 0 gallons
Total Purge Volume 765 gallons
Casing/Anulus Volume 56.4 gallons
Volume Measured By 55 GAL. DRUM
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015883
pH 7.00 = 7.02 at 17.7 °C, pH 10.00 = 10.09 at 17.7 °C
Conductance Meter Used: YSI MODEL 32 ESE #2
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at ____ °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 5 gal.	1540	13.6	11.79	1741	cloudy w/ gray silt or bentonite + grout; some fine sand
85 gal.	1547	13.6	11.42	901	partly cloudy w/ some lt. gray
170 gal.	1555	13.4	11.09	506	partly cloudy
255 gal.	1604	13.5	10.81	413	partly cloudy, some fine sand
340 gal.	1614	13.3	10.24	383	partly cloudy
Final 425 gal.	1621	13.0	10.21	365	partly cloudy, some v fine gray sand

Remarks: Initial HNU (TOC) = 0.0 ppm Well was "pre-developed" on 10/14/87 5½ gallons
* Final annulus dia. = 7⅞ OH to 135 ft. pumped.

** Purge vol. = 56.4 (casin vol.) + 26.6 (sand/gravel) vol. = 83.2 gallons

Bottom of screen = 132.5
Top of sand = 101.0
31.5
Sand pack vol. = 31.5 ft. x .352 gal/ft = 26.6 gallons

Collected by _____ Signature 11/6/87 Date
Checked by _____ Signature Date

WELL DEVELOPMENT DATA

Bore EP-65D2 Well 34013

Project RMA ON-POST | Project Number TASK 44

Date(s) Developed 10/29/87 | Date Installed 10/14/87

Personnel (Name/Company) [illegible]/ESE, WTV/ESE | Well Diameter (I.D.) 4 in.

Anulus Diameter 10¾ in. 0 ft. to 37 ft.; 12¾ in. 37 ft. to 53 ft.

Rig Used ESE Well Service Truck

Pump (Type/Capacity) Grundfos / 20 GPM | Screen Interval 106.4 ft. to 132.5 ft.; ___ ft. to ___ ft.

Bailer (Type/Capacity) N/A

Water Source RMA | Casing Height (Above G.L.) 1.3 ft.

Measured Well Depth TOC (Initial) 134.6 ft. (Final) 134.41 ft. | Bottom of Screen (Below G.L.) 132.5 ft.

Water Level TOC/Date/Time (Initial) 48.3 / 10-26-87 / 1500

(after 24 hrs.) 48.49 11.2.87 1320

Feet of Water in Well 86.3 ft. x 0.653 gallons/foot = 56.35 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons | ** One Purge Volume 85 gallons

Purge Water Lost N/A gallons | Minimum Purge Volume 425 gallons

Added Water 0 gallons | Total Purge Volume 765 gallons

Casing/Anulus Volume 56.4 gallons | Volume Measured By 55 gallon drums

Surge Technique Raise/Lower Pump

Calibration: pH Meter Used: Beckman [illegible] SN: 015883

pH 7.00 = 7.01 at 21.3 °C, pH 10.00 = 10.04 at 21.0 °C

Conductance Meter Used: YSI Model 32 ESE #2

Standard 1413 umhos/cm at 25°, Reading ___ umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 425	1132	14.5	10.91	465	cloudy w/ gray silt & fine fine sand.
510	1140	14.4	10.48	415	partly cloudy w/ fine gray/bl[illegible] fine sand
595	1148	14.3	9.93	402	partly cloudy w/ very [illegible]
680	1157	14.3	9.60	370	partly cloudy w/ fine gray/bl[illegible] fine sand.
765	1205	14.2	9.74	392	partly cloudy w/ fine gray/[illegible] [illegible]
Final					

Remarks: Water level = 48.55 [illegible] on [illegible] ~ 600 gallons [illegible]

Initial Tip Reading (TOC) =

* Final Annulus 20 = 73.9 TO 135 [illegible]

** 1 Purge Vol: 56.4 casing vol
+ 26.8 sand pack vol.
83.2 ≈ 85 gallons

Collected by [signature] Signature 10/29/87 Date

Checked by [signature] Signature [illegible] Date

[illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

BOREHOLE SUMMARY LOG

Borehole EP-66 Well 03012

Project Name and Location RMA Section 34 N.W. Federal Project Number T44

Drilling Company Boyle Bros Driller B. Roach Rig Number Failing 500

Drilling Method(s) Continuous core

Size(s) and type(s) of bit(s) 3 7/8" Tricone, 12 1/4" Auger

Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to 16.7 ft. ____ cm.
3 3/4" in. ____ cm. 16.7 ft. ____ cm. to 160.0 ft. ____ cm.

Sampling Methods core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 14

Number of Gallons Lost Drilling Fluid —

Date/Time Started Drilling 8/12/87 0754

Date/Time Completed Drilling 8/17/87 0856

Total Borehold Depth 160 ft. ____ cm.

Depth to Bedrock 13.7 ft. ____ cm.

Depth to Water — ft. ____ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? No

Date/Time Grouting Completed 8/18/87 0759

Depth of Tremmie Pipe 155'

Gallons of Grout 140

Materials Used 10 bags of cement, 150 gal H_2O, 1 bucket bentonite

Comments grouted to ground surface

Wellsite Geologist Steve Pavis Date 9/16/87

Checked for Grout Settlement on 9/16/87 by Steve Pavis

Amount of Grout Added None - grout at ground surface

All Measurements from Ground Level

Reviewed by ____ Date ____

Drill Site Geologist ____ Date ____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EP-66 Well Number: 03012

Depth – Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1	1 0.0'-2.0'	0.9/2.0			SM	Silty SAND, 20% silt, fine to coarse grained sand, 10YR 4/3, dark brown, dry, very loose, non plastic
2					SM	Silty SAND, 15% silt, fine to coarse grained SAND, 10YR 5/6, yellowish brown, dry, loose, non plastic
3	2 2.0'-4.0'	2.0/2.0				
4						
5	3 4.0'-6.0'	2.0/2.0				
6						
7	4 6.0'-8.0'	2.0/2.0			SC	Clayey SAND, 30% clay, fine to coarse SAND, 10YR 6/6, Brownish yellow, moist, medium dense calcareous stringers and nodules, low plastic
8						
9	5 8.0'-10.0'	2.0/2.0				
10						
	6 10.0'-11.7'	1.7/2.0				

SAME AS TUBE NUMBER
SAME AS TUBE INTERVAL

Drill Site Geologist: Steven Gans Date: 5/12/87

Reviewed By: _____ Date: _____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

Borehole: EP-66 Well Number: 03012

Depth - Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
11	6 11.0'-12.0'	1.7'/2.0'	Same as tube number	Same as tube entered	SC	Clayey Sand (see pg. 1)
12					CL	Clay, 30% sand, fine to very coarse grained, 5% small gravel, 10YR 8/2, white, medium stiff, moist, medium plastic, very calcareous
13	7 12.0'-14.0'	2.0'/2.0'			CL	Clay w/ medium to coarse elastone clasts, 10YR 6/6, brownish yellow, very stiff, moist, medium plastic, calcareous nodules
14						Sandstone Bedrock, 20% silt, w/ laminated clay lenses 10YR 5/6 yellowish brown, 3% carbon fragments, 5% mica, calcareous stringers
15	8 14.0'-16.0'	2.0'/2.0'				
16						TOTAL DEPTH 16.0'

Drill Site Geologist: Steve Pace Date: 7/12/87

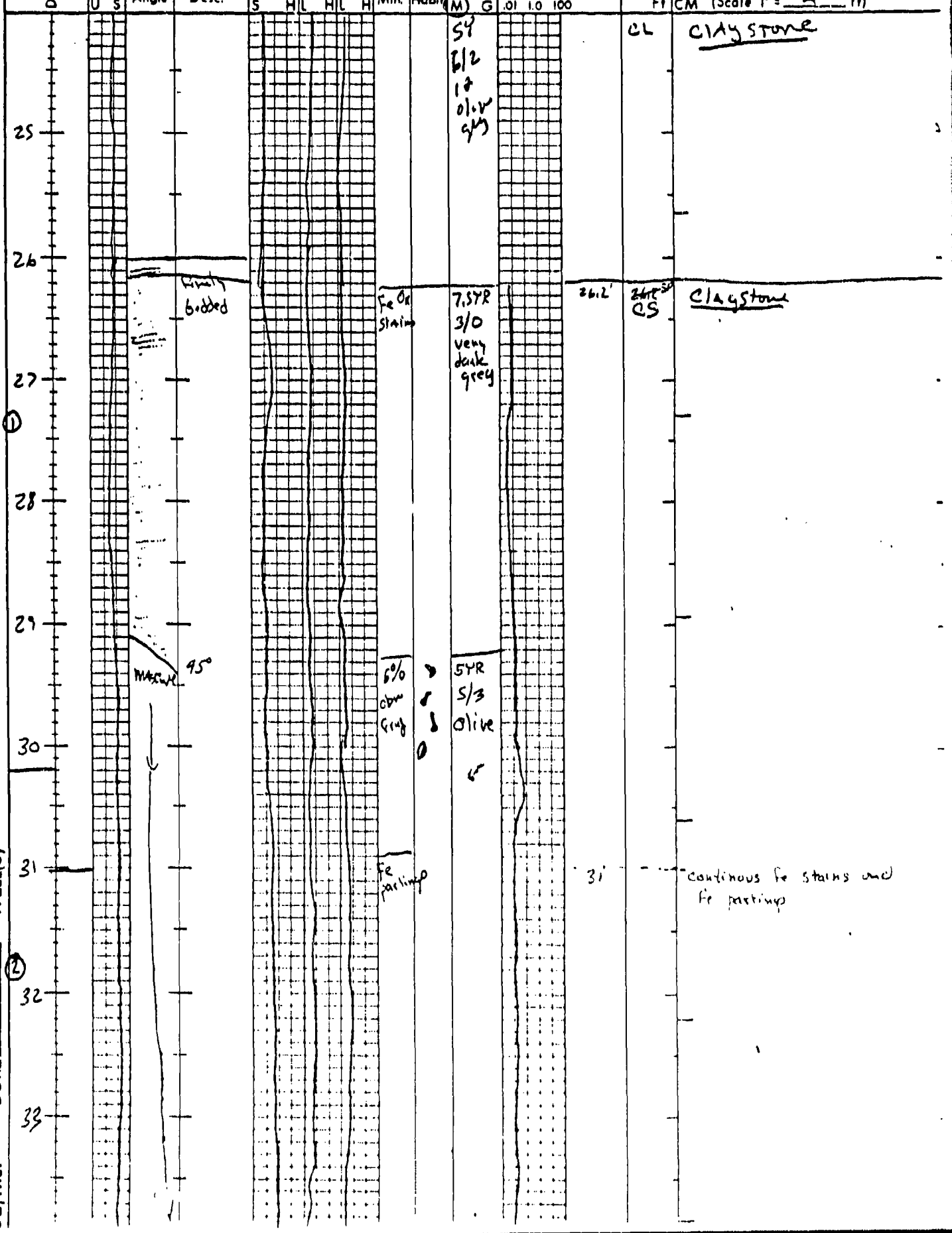
Reviewed By: [illegible] Date: [illegible]

ESE, Inc. CORE LOG By SP Date 8/17/87 BORE EP-66 Well(s) _____ Page 1 of 15

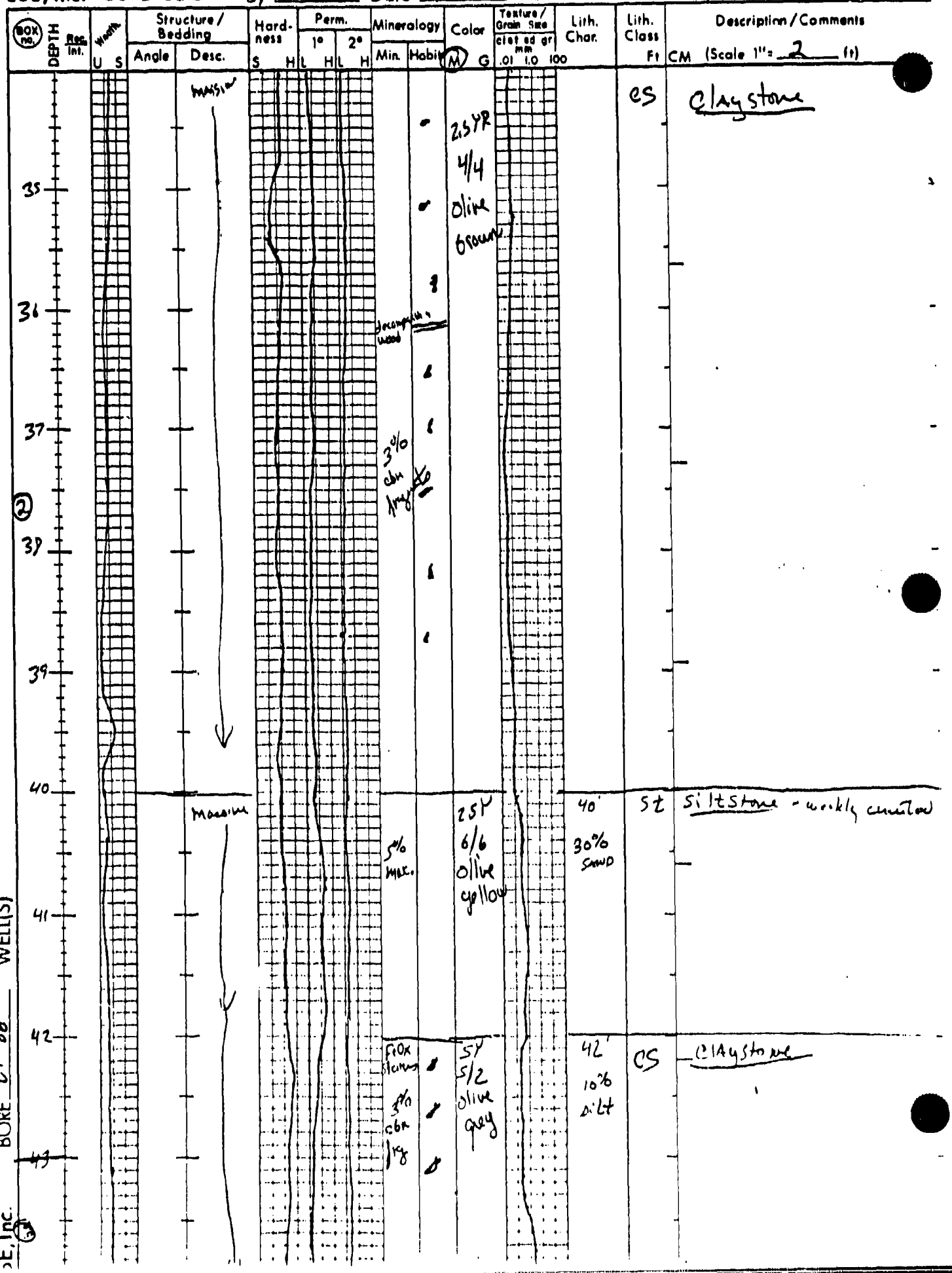
Box no.	Depth	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size clay sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
															bedrock at 13.7 casing set to 15.7 Begin coring 16'
	16'				See Alluvial Sampling Log								16'	SS	SANDSTONE composed of 90% rounded lithic olive claystone fragments (to ½") weak alignment
	17				coarse banding				FeOx coatings on fractures		2.5Y 5/4 light olive brown				
	18														
	18.5'				laminated								18.5'	CS	claystone
	19				massive				calc 5%		5Y 6/3 pale olive				
	20				massive				FeOx stains		5Y 6/1 grey		20' sand 30%	Slt	siltstone - weakly cemented
													20.5'	CL	claystone
	21				finely bedded						5Y 6/2 lt. olive grey				
	22														
	23														

SE, Inc. BORE EP-66 WELL(S)

ESE, Inc. CORE LOG By SP Date 8/17/87 BORE EP-66 Well(s) _____ Page 2 of 15



ESE, Inc. CORE LOG By SD Date 8/17/87 BORE EP-66 Well(s) _____ Page 3 of 11



ESE, Inc. CORE LOG By SP Date 8/17/81 ~~6P~~ 6SP BORE EP-66 Well(s) _____ Page 1 of 15

Box no.	Depth	Rec. Int.	Weathering U	Weathering S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	45					Massive							Fe ox		2.5Y 4/0	dark gray		20% Si H	CS	Claystone
	46					thinly bedded									10YR 3/3	dark brown				
	47					massive									10YR 5/6	yellowish brown		47' 5% musc.	SS	Sandstone
(3)	49												3% cbn frag							
	50																			Weakly cemented from 50 - 52'
	51																			
	52																			
(4)	53																			

SE, Inc. BORE EP-66 WELL(S)

ESE, Inc. CORE LOG By SP Date 9/17/87 BORE EP-66 Well(s) _____ Page 5 of 1

Box no.	Depth	Rec. Int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clay sd gr mm .01 1.0 100	Lith. Char.	Lith. Class	Description/Comments CM (Scale 1" = _____ ft)
	54														10YR 5/3 brown				SS	SANDSTONE weakly cemented
	55				faint thin bedding															
	56				massive															
	57												reOx coatings Fe pitting					5% 30% clay cs clasts		
	58														10YR 6/6 yellowish brown					
	59																			
	60																			
	61				massive										10YR 5/3 brown			61 20% sand	CL	Claystone
	62				massive													62'	SS	SANDSTONE
	63				thinly bedded													63'	CS	claystone

BORE EP-66 WELL(S)

ESE, Inc.

ESE, Inc. CORE LOG By SP Date 8/17/87 BORE EP-66 Well(s) _____ Page 6 of 15

Box no.	Depth	Rec. Int.	Weath. U–S	Structure/Bedding: Angle	Structure/Bedding: Desc.	Hardness S–H	Perm. 1° L–H	Perm. 2° L–H	Mineralogy: Min.	Mineralogy: Habit	Color (M.)	Color (G)	Texture/Grain Size: clst sd gr mm .01 .10 1.0 10.0	Lith. Char.	Lith. Class	Description/Comments CM (Scale 1" = ____ ft)
	64				SP finely bedded						10YR 5/3	brown			cs	Claystone
	65															
	66								numerous fx parting surfaces ⊥ to core axis		10YR 5/3	brown		20% cl.	ss	Sandstone, well cemented
	67															
	68										10YR 6/2	lt. brownish gray		30% clayst clasts up to 1½"		
4					increasing											
	69															
	70															
	71										10YR 5/6	yellowish brown		50% cs clasts	71' ss	Sandstone (1' thick) (claystone clasts)
														gl		
	72														72' ss	Sandstone
5																
	73										2.5Y 2/0	black				oxidation boundary Siltstone calcareous

BORE EP-66 WELL(S)

E, Inc.

ESE, Inc. CORE LOG By SP Date 8/17/87 BORE EP-66 Well(s) _____ Page 7 of 15

BOX no.	DEPTH	Rec. Int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst sd gr .01 mm 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1"= _____ ft)
	74					massive														
													calc fill		2.5Y					
	75														2/0					
													strands		black			10% silt	75' CS	claystone
	76																			
													calc stringers							
	77																			
	78																			
	79																			
5																				
	80					irregular bedding							5% calc frag		10YR 6/1 grey				80' SS	siltstone
	81																			
	82					massive														
6													5% calc frag		10YR 6/1 grey				82 SS	SANDSTONE weathered unted
	83																			

BORE EP-66 WELL(S)

E, Inc.

ESE, Inc. CORE LOG By SF Date 3/17/97 BORE EP-66 Well(s) _____ Page 9 of 15

Box no.	Depth	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2' ft)
84					massive									SS	Sandstone
	85										10 YR 2/1 black		finely interbedded with silt	85' CS	Claystone wavy (glossy)
	86														
	87														
	88														
6					massive				6% clay frags		2.5Y 5/0 grey			88.5' SI	Siltstone
	89														
	90														
	91														
7															
	92				finely bedded								interbedded with CS		
BORE EP-66 WELL(S)	93	5/5												93' 20% silt	CS Claystone
ESE, Inc.	94														

Reviewed by _____ Date _____

ESE, Inc. CORE LOG By S.P Date 8/18/97 BORE EP-66 Well(s) _____ Page 9 of 10

Box No.	Depth	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = _____ ft)
94					massive						2.5Y 2/0 black		20% silt	CS	Claystone
95		5/5													
96															
97		4.8/5.0													
98															
99													calc.		
100															
101															
102		5/5													
103											5Y 4/1				

E, Inc. BORE EP-66 WELL(S)

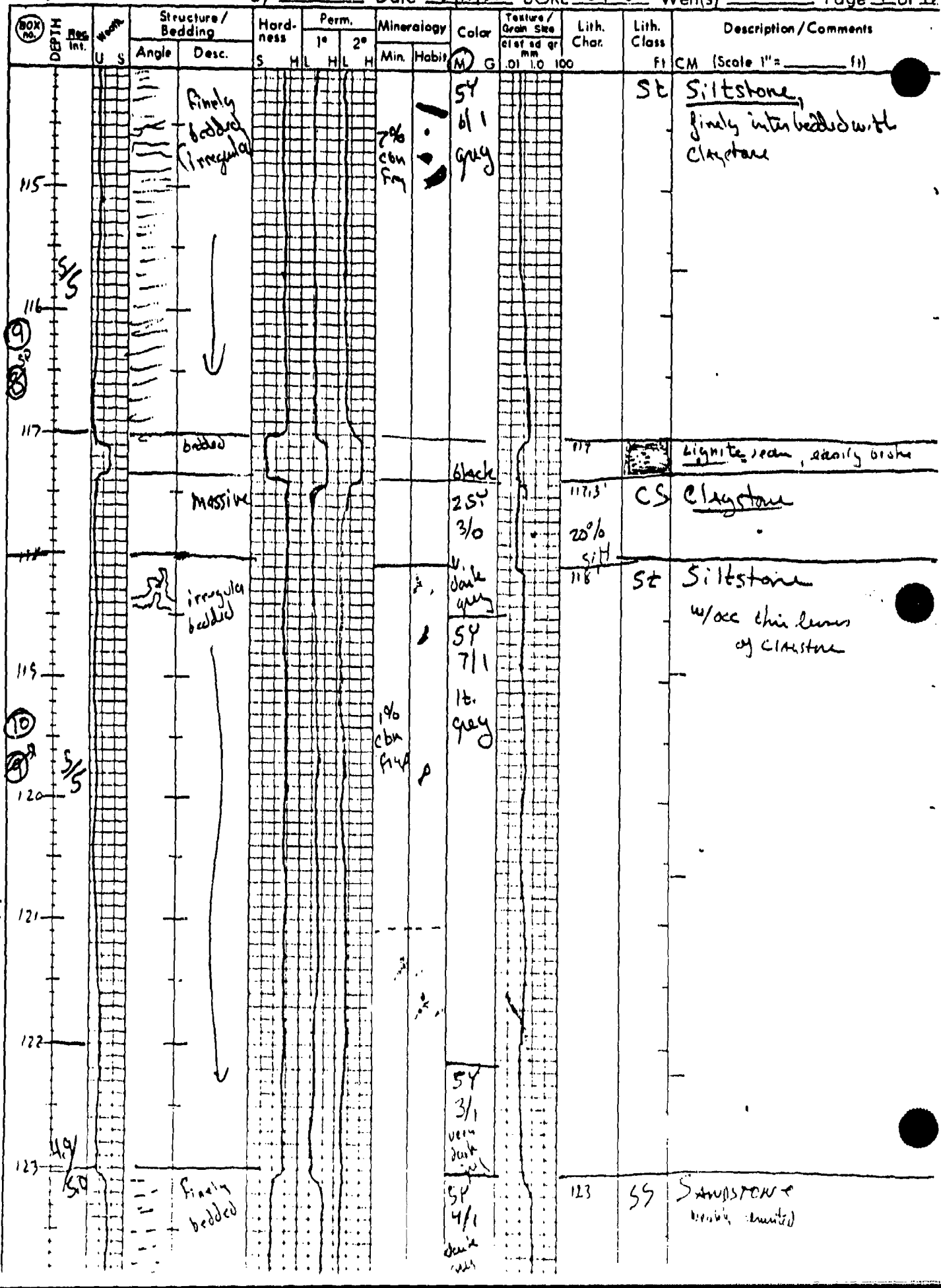
ESE, Inc. CORE LOG By SP Date 8/18/87 BORE EP-66 Well(s) _____ Page 10 of 11

Box no.	Depth	Rec. int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color (M)	Color G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = _____ ft)
	104					MASSIVE ↓									5Y 4/1	dark grey			CS	Claystone
	105																			
	106	5/5																		
	107					MASSIVE ↓							5% cbn frag					107'	St	Siltstone
	108					Massive CS with thin beds of St												107.5'	CS	Claystone with thin interbeds of siltstone
⑧																				
	109																			
	109	5/5																		
	110					Finely bedded (lenticular)									5Y 6/1	grey		109.8'	St	Siltstone
⑨																				
	111																	111'	SS	Sandstone with thin beds of siltstone
	112					Finely bedded (irregular)							3% cbn frag							
	112	5/5																		
	113					↓												113'	St	Sandy siltstone interbedded with claystone

BORE EP-66 WELL(S)

ESE, Inc.

ESE, Inc. CORE LOG By SP Date 8/17/87 BORE EP-66 Well(s) _____ Page 11 of 15



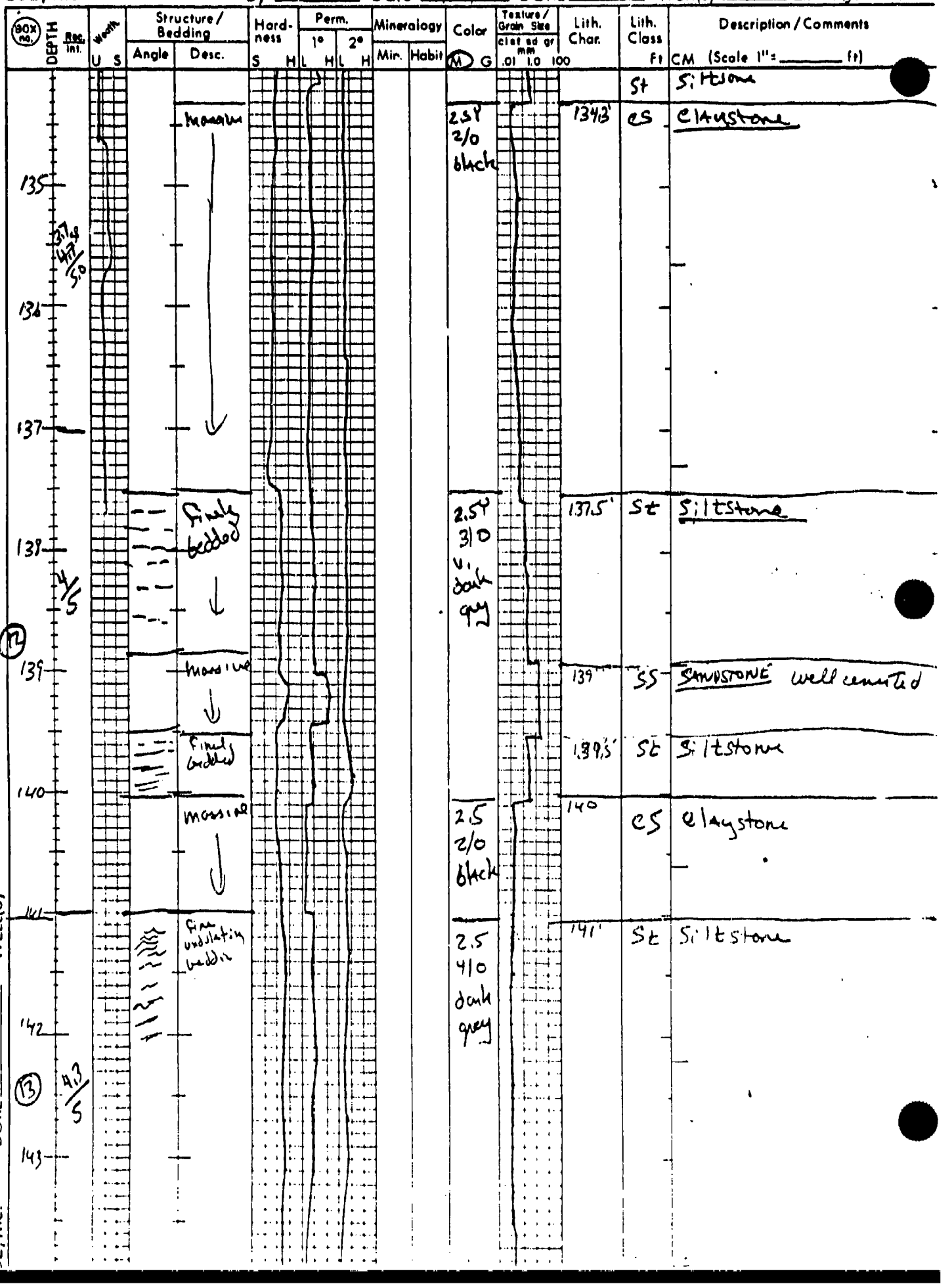
ESE, Inc. CORE LOG By SP Date 8/19/87 BORE EP-66 Well(s) _____ Page 2 of 15

Box No.	Depth	Rec. Int.	Weath. U S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min.	Mineralogy Habit	Color M G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = _____ ft)
	125			30°	Finely bedding carbon				5% cbn		5Y 4/1 dark gry			SS	SANDSTONE
					MASSIVE										
	126	2.9/3.0													
	127				Massive						2.5Y 2/0 black		127 20% Rim grained white opaq	CS	Claystone
(9)															
(10)	128														
(11)	129														
	130	4.5/4.5													
	131														
	132								5% cbn Fx						
(12)		3.7/4.7													
	133				Grinded				5% cbn Fx		5Y 7/1 lt gry		133'	St	Siltstone

BORE EP-66 WELL(S)

ESE, Inc.

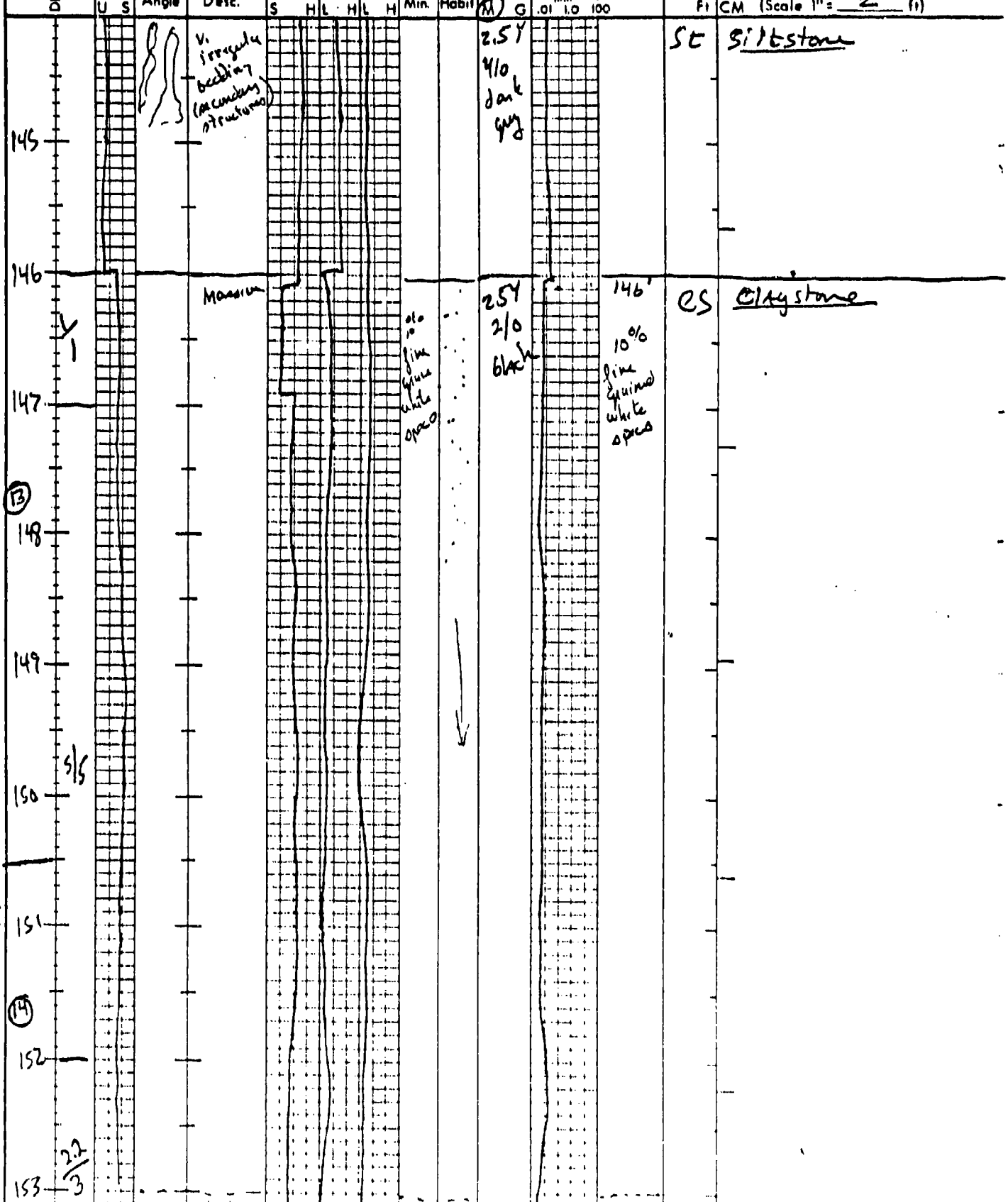
ESE, Inc. CORE LOG By SP Date 8/18/97 BORE EP-66 Well(s) _____ Page 13 of 15



BORE EP-66 WELL(S)

ESE, Inc.

ESE, Inc. CORE LOG By SP Date 5/18/91 BORE EP-66 Well(s) _____ Page 4 of 4



ESE, Inc. BORE EP-66 WELL(S)

Reviewed By _____ Date _____

ESE, Inc. CORE LOG By SP Date 8/18/87 BORE EP-66 Well(s) _____ Page 15 of 15

Box no.	Depth	Rec. Int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H/L	Perm. 1° H/L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size cl st sd gr .01 mm 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = _____ ft)
	155					blocky							2.5Y 2/0 black				CS	Claystone
	156					massive					1% 2 clay fray							
19		5/5																
	157																	
	158																	
	159																	
	160					160' Total depth												

ESE, Inc. BORE EP-66 WELL(S)

Frontier Logging
Lakewood, Colorado

Date: AUG. 17, 1987

Company: ESE
Bore Hole: EP-66
Area/Project: RMA
County: ADAMS COUNTY
State: COLORADO
Section:
Township:
Range:
Elevation:
Log Measured From: Ground Level
Drilling Measured From: Ground Level

Driller Depth: 160 Ft
Bit Size: 3 7/8"
Casing Depth: 16 Ft.
Fluid in Hole: native mud/water
Density/Viscosity:
Rm: •
Wt. Pound Trip:
Density:
Time In: 1015
Time Out: 1055
Unit No.: 110
Operator: Wm. Linton
Location: Lakewood

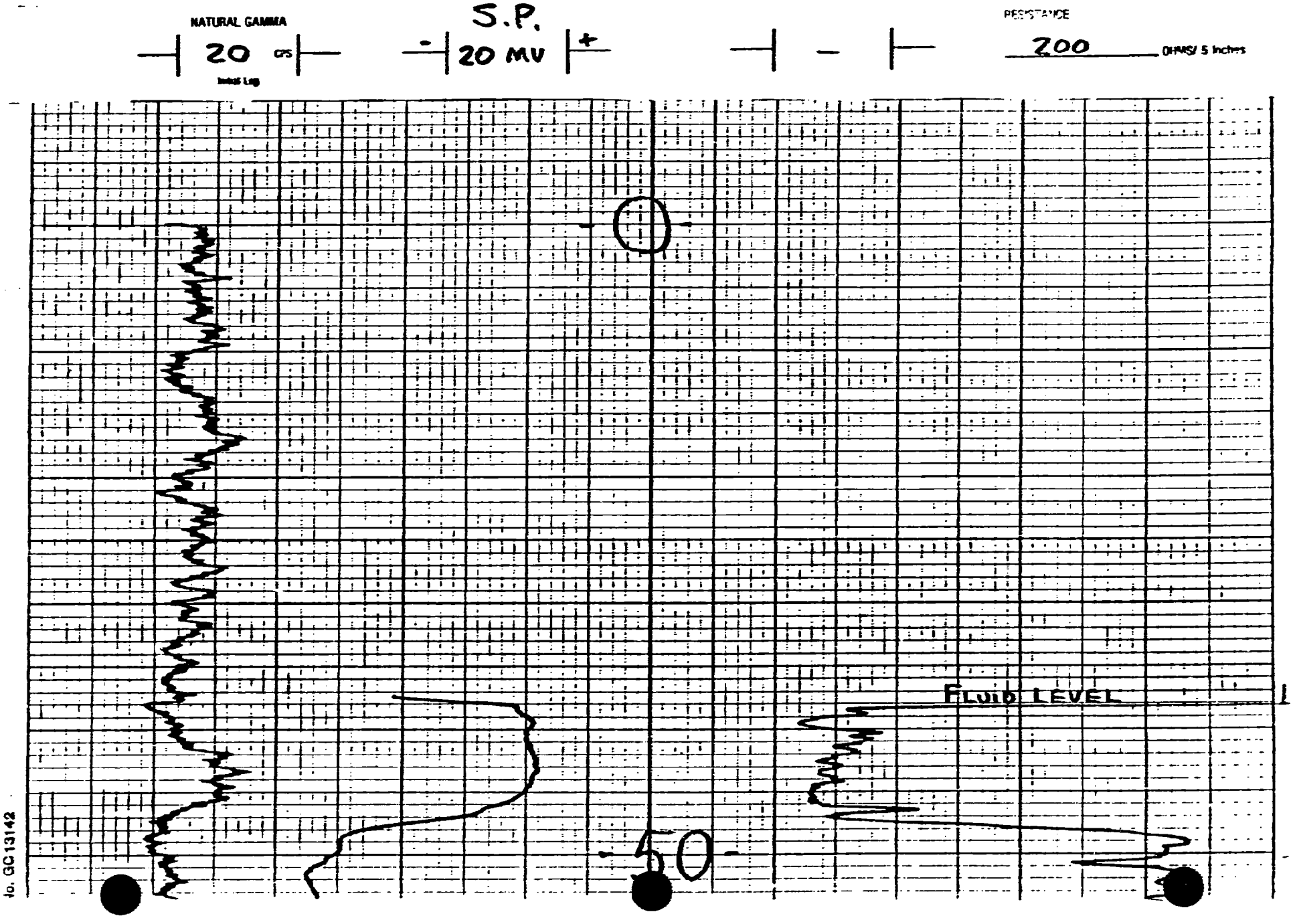
EQUIPMENT DATA

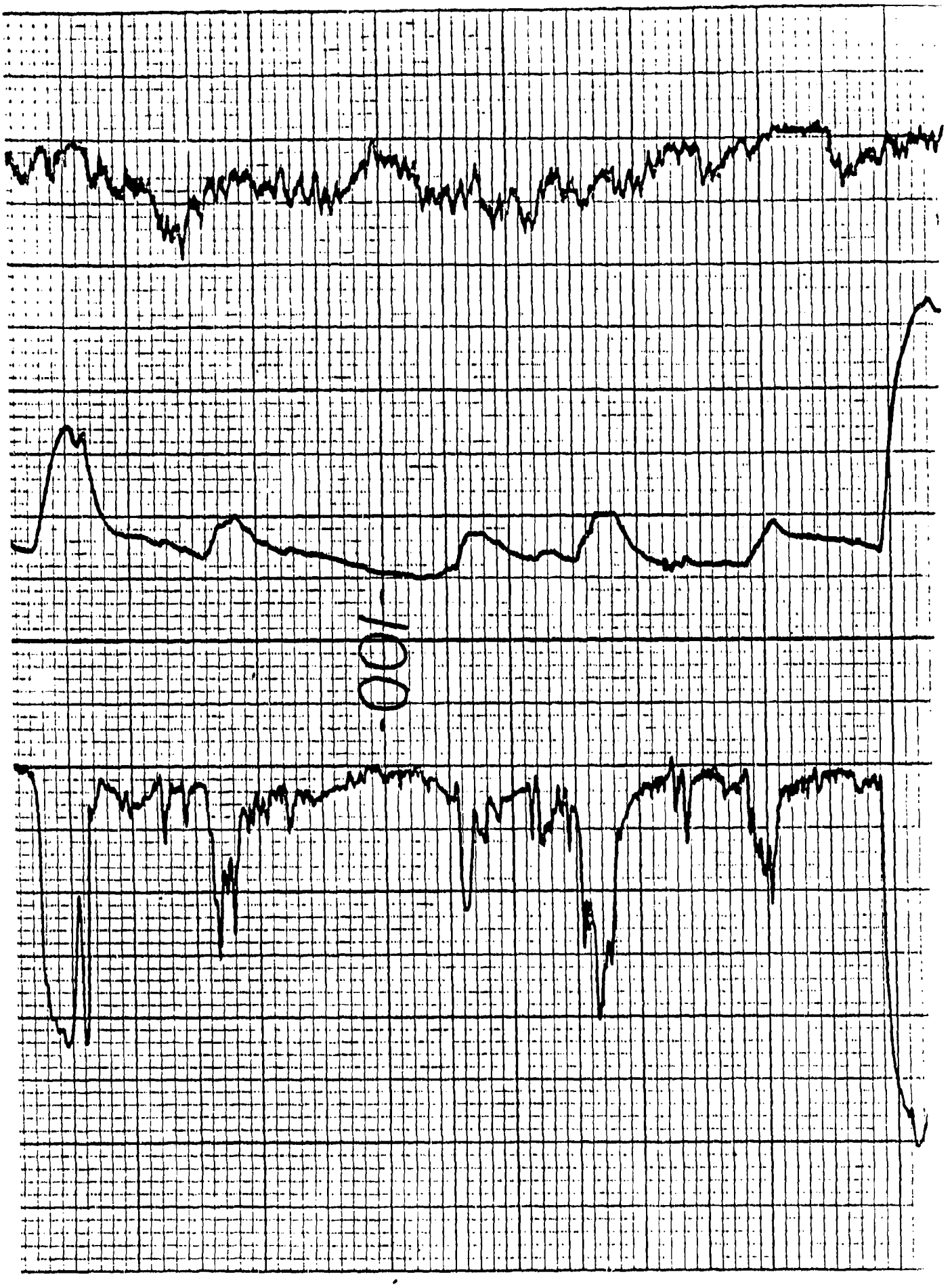
T.D. Logged: 155 Ft
Natural Gamma: 200 Scale= 20 CPS per inch
Time Constant: 2 Sec
Logging Speed: 15 Feet/Min
Caliper Source No/Value: = CPS
Probe No: 103-1421
Probe Diameter: 1 5/8"
Detector Type Size: xtal 3/4 x 1 1/4"
K Factor: 1.60 x10⁻⁵
Dead Time: 7 Microsec
Mudcake Factor: 1.10 for hole size 3 7/8"
Casing Factor: for well size
Resistance: 200 ohms/5" Ohms per 5 inches
S.P.: 20 MV/Inch MV per inch

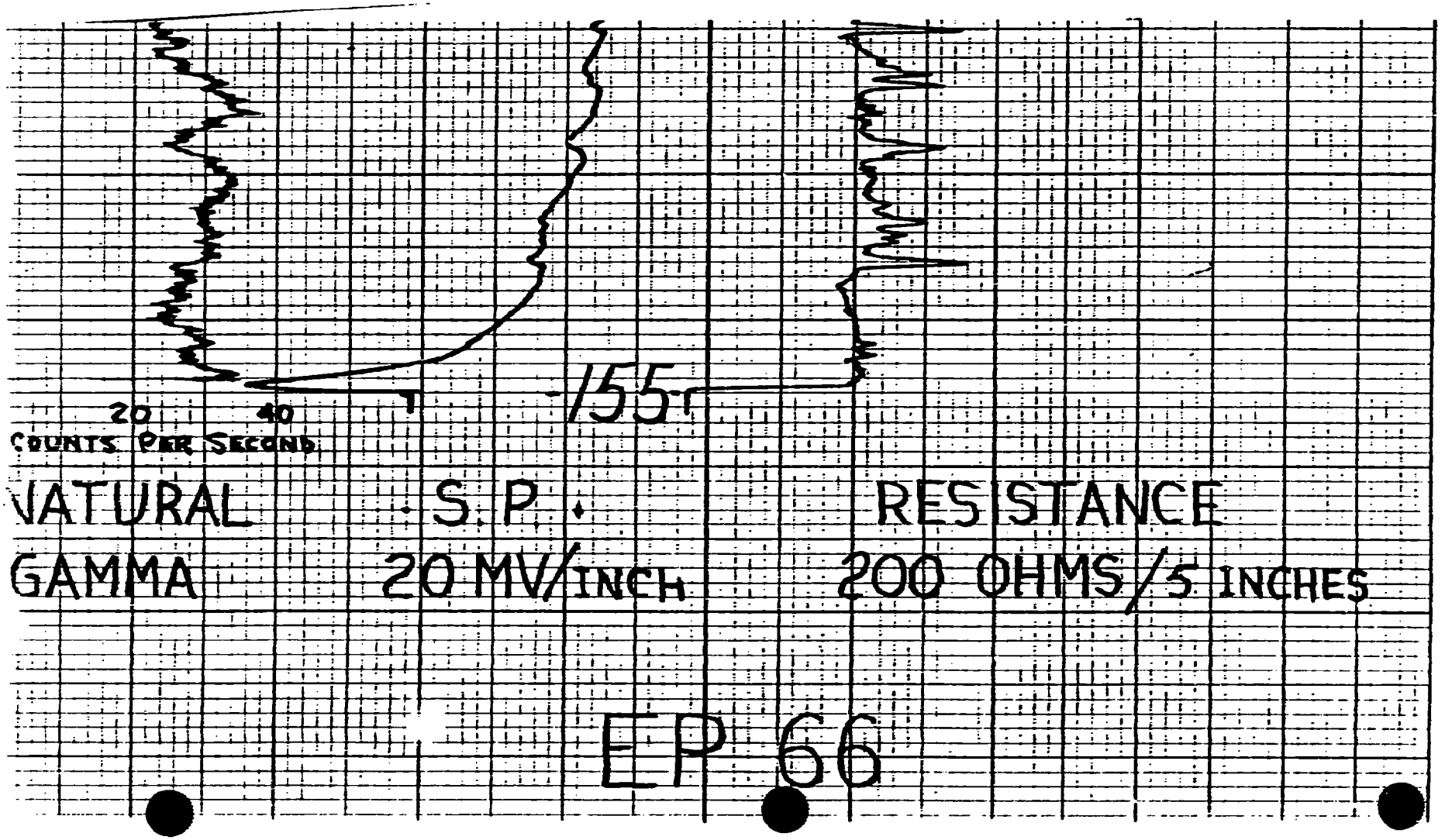
NATURAL GAMMA RUNS (ANALOG) (plotted log off scale)

Scale = CPS/in	TC Sec	Logging Speed Ft/Min	From Ft	To Ft	Total Ft

Gamma (Analog) Ft	Density Source No
Gamma (Digital) Ft	Type
Caliper Ft	CPS/inch
Temperature Ft	
SPECTRAL DATA	Neutron Source No
Closure Ft	Type Strength
Azimuth	CPS/inch
True Vertical Ft / Survey Depth Ft	


NATURAL GAMMA
20 cps
S.P.
20 MV
RESISTANCE
200 OHMS/ 5 Inches
0
50
FLUID LEVEL


100


-155-
20
40
COUNTS PER SECOND
NATURAL
GAMMA
S.P.
20 MV/INCH
RESISTANCE
200 OHMS/5 INCHES
EP 66

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7338 SOUTH ALTON WAY • SUITE M-I
ENGLEWOOD, COLORADO 80112 • 303/741-0830

WELL CONSTRUCTION SUMMARY

Borehole EP-6601 Well 03012
Project Name and Location RMA Tank 44, NE¼ Sect. 3 Project Number
Drilling Company Boyles Bros. Driller Don Lavine Rig Number IR
Drilling Method(s) Rotary wash

Borehole Diameter 12¼ in. cm. 0 ft. cm. to 19 ft. cm.
7⅞ in. cm. 19 ft. cm. to 63 ft. cm.

Size(s) and types of Bit(s) 12¼, 7⅞ Blade Bits
Size and Type PVC 4" ID Sch 40
Total Borehole Depth 63 ft. cm.
Depth to Bedrock 13.7 ft. cm.
Depth to Water — ft. - cm.
Water Level Determined By —
Length Plain PVC (total) 46.29 ft. cm.
Length of Screen 16.21 ft. cm.
Total Length of Well Casing 62.50 ft. cm.
PVC Stick Up 1.50 ft. cm.
Depth to Bottom of Screen 60.50 ft. cm.
Depth to Top of Screen 44.96 ft. cm.
Depth to Top of Sand 40.0 ft. cm.
Depth to Top of Bentonite 34.0 ft. cm.

Sampling Method(s) Previously Cored
Date/Time Start Drilling 10/15/87 1410
Date/Time Finish Drilling 10/16/87 0915
Date/Time Start Completion 10/16/87 0920
Date/Time Cement Protective Casing
Materials Used
Plain PVC 46.29'
Slotted PVC 16.21'
Bentonite Pellets 2 buckets (10 lb.)
Bentonite Granular 8/10 bag (40 lb.)
Cement 8 bags (720 lb.)
Sand 3.5 bags (350 lb.)
Water added during completion 0
Water added during drilling 30 gal. (est.)
Total Gallons of water added 30 gal

Drill Site Geologist A.E. Ortelli Date 10/16/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 10/21/87 / 1230 / D.W. / WTV
Date/Time/Personnel Casing Painted 10/26/87 / 1430 / D.W. / WTV
Date/Time/Personnel Numbers Painted 10/28/87 / 1100 / WTV.
Materials Used 13 BAGS CONCRETE

Top of Protective Casing to Top of PVC	0.20 ft.	cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.15 ft.	cm.	
Top of Protective Casing to Internal Mortar	1.64 ft.	cm.	
Top of Protective Casing to Top of Cement Pad	1.28 ft.	cm.	
Top of Protective Casing to Ground Level	1.78 ft.	cm.	

Reviewed By [signature] Date 3/5/88
Drill Site Geologist Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7339 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: Ep-66 D1 Well: 03012

Depth-Feet	Soil/Rock Type	Well Completion	Description
		6" Steel; 0.3'; 1.5'; 1.5'; Ground Level	- 6" ID Steel : 1.8' above ground to 19.0' below surface - 4" ID Sch 40 PVC : 1.5' above ground to 61.0' below surface
		4.56 jt.	
10		14.60 jt.	
	SS		
20	CL		TD : 19.0' (STEEL)
		24.67 jt.	
30		34.73 jt.	TOP OF BENTONITE : 34.0'
			TOP OF SAND : 40.0'
40	SS		
	CL	44.79 jt.	TOP OF SCREEN : 44.96'
50	SS	55.32 jt.	BOTTOM OF SCREEN : 60.5'
			TD : 61.0' (PVC)
60	CL		
70			

Drill Site Geologist: A.E. Ustelli Date: 10/16/85

Reviewed By: [illegible] Date: [illegible]

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-66 D1 Well 03012

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 10/29/87 Date Installed 10/16/87

Personnel (Name/Company) DHW/ESE

WTV/ESE

Well Diameter (I.D.) 4 in.

Rig Used ECE WELL SERVICE TRUCK

Anulus Diameter 12¼ in. 0 ft. to 19 ft.

7⅞ in. 19 ft. to 63 ft.

Pump (Type/Capacity) GRUNDFOS 20 GPM

Screen Interval 49.96 ft. to 60.5 ft.

Bailer (Type/Capacity) N/A

ft. to ft.

Water Source RMA

Casing Height (Above G.L.) 1.50 ft.

Measured Well Depth TOC (Initial) ~~62.64~~ ft. 62.49

Bottom of Screen (Below G.L.) 60.5 ft.

(Final) 62.50 ft.

Water Level TOC/Date/Time (Initial) 39.04 / 10-29-87 / 0820

(after 24 hrs.) 39.01 / 11-2-87 / 1310

Feet of Water in Well 23.65 ft. x 0.653 gallons/foot = 15.44 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume 62.9 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 314.5 gallons

Added Water 30 gallons

Total Purge Volume 440 gallons

Casing/Anulus Volume 15.44 gallons

Volume Measured By 55 gallon Drum

Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN ϕ 21 SN: 05582

pH 7.00 = 7.02 at 19.2 °C, pH 10.00 = 10.08 at 19.1 °C

Conductance Meter Used: YSI MODEL 32 EDE #2

Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 21 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 5 GAL.	0842	15.0	5.89	373	muddy w/ brown silt & fine sand.
65 GAL.	0859	14.2	7.79	884	very cloudy w/ brown silt & some fine sand
130 GAL.	0910	13.5	7.34	894	cloudy w/ brown silt, some fine sand.
195 GAL.	0918	13.3	7.47	917	cloudy w/ brown silt & some fine sand.
260 GAL	0924	13.5	7.78	952	cloudy w/ brown silt, some fine sand
Final 325 GAL.	0930	12.6	7.11	959	cloudy w/ brown silt & fine sand

Remarks: TURBIDITY METER READING (TMR) = 0 ppm

Sandpack = Bot of Screen = 60.50
− Top of Sand = 40.0
20.50 ft.

Sandpack vol. = 20 ft × .852 gal/ft = 17.40 gal.

Collected by [signature] 10/29/87
Signature Date

Checked by _____
Signature Date

1 Purge vol. = 15.44 Casing vol. + 17.40 Sand pack vol.

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-66 DL Well 03012

Project RMA ON-POST Project Number THSA 44

Date(s) Developed 10/29/87 Date Installed 10/14/87

Personnel (Name/Company) DLW / ESE Well Diameter (I.D.) 4 in.

WTV / ESE Anulus Diameter 12¼ in. 0 ft. to 14 ft.

Rig Used ESE WELL SERVICE TRUCK 7½ in. NA ft. to 63 ft.

Pump (Type/Capacity) GRUNDFOS / 26 GPM Screen Interval 44.96 ft. to 60.5 ft.

Bailer (Type/Capacity) N/A ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 1.50 ft.

Measured Well Depth TOC (Initial) 62.49 ft. Bottom of Screen (Below G.L.) 60.5 ft.

(Final) 62.50 ft.

Water Level TOC/Date/Time (Initial) 39.04 / 10-29-87 / 0520

(after 24 hrs.) 39.01 / 11-02-87 / 1310

Feet of Water in Well 23.65 ft. x .0653 gallons/foot = 15.44 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 102.9 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 314.5 gallons

Added Water 30 gallons Total Purge Volume 440 gallons

Casing/Anulus Volume 15.44 gallons Volume Measured By 55 Gal. Drum

Surge Technique RAISE / LOWER RMP

Calibration: pH Meter Used: Beckman φ 21 SN: 015893

pH 7.00 = 7.02 at 19.1 °C, pH 10.00 = 10.07 at 19.5 °C

Conductance Meter Used: YSI MODEL 32 ESE #2

Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 340	0935	13.4	7.22	470	Partly cloudy w/ some brown fnd. sand/silt
440	0941	13.7	7.31	471	Partly cloudy w/ some brown fnd. sand
Final					DLW

Remarks: Recalibrated pH meter @ 440 gallons - Mit slope button noticed off pH button.

* 1 Purge vol. = 15.44 casing vol.
+ 17.46 sand pack vol.
+ 30.0 added water
62.9 ≈ 65 gallons.

Collected by [signature] 10/29/87
Signature Date

Checked by [signature]
Signature Date

EP-67

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BOREHOLE SUMMARY LOG

Borehole EP-67 Well

Project Name and Location RMA Project Number

Drilling Company Boyle Bros Driller Bob Roach Rig Number Failing 1500

Drilling Method(s) rotary core

Size(s) and type(s) of bit(s)

Borehole Diameter 7 7/8 in. cm. 0.0 ft. cm. to 35.0 ft. cm.
3 3/4 in. cm. 35.0 ft. cm. to 181.0 ft. cm.

Sampling Methods continuous core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 10

Number of Gallons Lost Drilling Fluid

Date/Time Started Drilling 10/15/87 1256

Date/Time Completed Drilling 10/20/87 0947

Total Borehold Depth 181.0 ft. cm.

Depth to Bedrock 33.0 ft. cm.

Depth to Water — ft. cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? no

Date/Time Grouting Completed 10/20/87 1340

Depth of Tremmie Pipe 180.0'

Gallons of Grout 174

Materials Used 12 bags of cement + 120 gal H_2O 1.2 bags of bentonite

Comments grouted to ground surface

Wellsite Geologist [signature] Date 10/20/87

Checked for Grout Settlement on 10/21/87 by [signature]

Amount of Grout Added 10 gal to ground surface

All Measurements from Ground Level

Reviewed by Peter R. Guest Date 5/16/88

Drill Site Geologist [signature] Date [illegible]

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BOREHOLE SUMMARY LOG

Borehole EP 67 A Well 35087

Project Name and Location RMA T44 Well Installation Project Number M0530801 10

Drilling Company Boyles Driller R. Muckey Rig Number SRW

Drilling Method(s) 3¼" ID HS Auger

Size(s) and type(s) of bit(s) 3¼" ID HS Bit

Borehole Diameter 6 in. ____ cm. ____ ft. 0 cm. to 36.5 ft. ____ cm.

____ in. ____ cm. ____ ft. ____ cm. to ____ ft. ____ cm.

Sampling Methods Polybutyrate tubes in continuous samplers

Total Number Soil Sampling Tubes 16

Total Number Core Boxes 2

Number of Gallons Lost Drilling Fluid None

Date/Time Started Drilling 11-11-87 / 1323

Date/Time Completed Drilling 11-11-87 / 1517

Total Borehold Depth 36.5 ft. ____ cm.

Depth to Bedrock 36.5 ft. ____ cm.

Depth to Water 32.5 ft. ____ cm.

Water Level Determined By? Steel tape

Borehole Completed as Monitoring Well? ✓

Date/Time Grouting Completed 11-11-87 / 1602

Depth of Tremmie Pipe 16'

Gallons of Grout 64 gal

Materials Used 15% BW 7 bags concrete 3/4 bag bentonite

Comments

Wellsite Geologist [illegible] Date [illegible]

Checked for Grout Settlement on 11-12-87 by [illegible]

Amount of Grout Added [illegible]

All Measurements from Ground Level

Reviewed by [signature] Date 3/17/88

Drill Site Geologist ____ Date ____

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SHEET 1 OF 3

Borehole: EP-67A Well Number:

Depth - Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						Munsell Colors
0	2-0	2'		2-0		ML, sandy s.H, ~5% sand vfg 10YR 4/2 dk grayish brown loose, non-plastic, dry, Alluvium trace calcium carb.
2	4-2	1'		4-3'		NO RECOVERY 3 - 6'
4	6-4	0'				
6	8.3 - 6	2'		8-9.3		ML, Sandy silt, ~ 10% sd, 10YR 5/4 yellowish brown medium dense, non-plastic, dry, Alluvium w/ ~ 15% calcium carbonate 10YR 8/2 white
8	10-8.3	0'				No Recovery 8.3 to 10'
10	12-10	2'		12-10		SM, silty sand ~ 15% silt, 10YR 4/3 brown dk brown, medium dense, non plastic, trace Alluvium
12						

Drill Site Geologist: Date:

Reviewed By: Date: 11/8/92

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SHEET 2 OF 3

Borehole: EP 67A Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						Munsell Colors
12	H-21	2'		H-21		SM, silty sand, ~ 45% silt 10YR 4/4 dk. yellowish brown moist, dense, non-plastic, micaceous, Alluvium
14	91-H	2'		91-H		@ 14.3' SM, sandy silt ~ 10% sand 10YR 5/4 ~~light~~ yellowish brown, moist, dense, non-plastic Alluvium w/ ~ 10 % calcium carbonate 10YR 8/2 white.
16	91-91	0'				NO RECOVERY 16-18'
18	91-20	2'		91-20		Sample ID @ 16'
20	20-22	0'				NO RECOVERY 20 - 26 Auger plugged cuttings silty sand
22	22-24	0'				cuttings silty clay

Drill Site Geologist: Date: 11-12-91

Reviewed By: Date: 11/13/91

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Borehole: EP 67 Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						Munsell Colors
24	24-26	0'				cuttings silty clay
26	26-28	0'				No Recovery 26-28 Clay ends @ 26' loose fine grained sand fell out of sampler
28	28-30	1'		30-32		@28 3rd Fine grained Sand. w/ 3/ gravel sized pieces. 10YR 4/3 brown, loose, non-plastic, moist. Alluvium. @28.6' 4th silty clay, 10YR 5/3 brown, med. dense, slightly plas moist Alluvium No RECOVERY 30-32 29-36.4' Clayey gravel cuttings
30	30-32	0'				
32	32-34	0'				@32.5 saturated gravelly sand
34	34-36.5	0.1'		34.4-35.5		
36						@36.4 weathered oxidized silty claystone END OF BORING LOG

Drill Site Geologist: J. Wilkes Date: 11-11-87

Reviewed By: Date: 11/16/87

ESE, Inc. CORE LOG By SP Date 10/21/87 BORE EP-67 Well(s) _____ Page 1 of 8

Box No.	Depth	Rec. Int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clist sd gr mm .01 1.0 100	Lith. Char.	Lith. Class FI	Description/Comments CM (Scale 1" = 2 ft)
																				Rec. to 36' Bedrock at 33 Begin coring at 31' No recovery 31' & 42'
	42					massive							fCa stains		5Y 6/1 olive gray				CS	Claystone
	44					irregular bedding wk calcsh									10YR 7/4 grayish orange			25% sand	St	Siltstone
	46					massive							5000 Quartz 10% manganese		10YR 5/4 Med yellowish brown				SS	SANDSTONE, medium grained, unconsolidated, friable. occasional claystone fragments.
1	48																			
	50												trace stains ↓ fCa planar fractures		5YR 3/2 grayish brown				CS	Claystone, finely interbedded with lignite
	52					irregular bedding							fCa stains		N 7/0 light gray with 10YR 6/6 dark yellowish orange			20% sand 10% clay	St	Siltstone interbedded with claystone and SANDSTONE
	54					thickly bedded														
	56																		SS	No core recovered from 55 to 65.5 SP 66.5 cuttings indicated unconsolidated sandstone
	58																			
	60																			

ESE, Inc. CORE EP-67 WELL(S)

ESE, Inc. CORE LOG By SP Date 10/21/84 BORE EP-67 Well(s) _____ Page 2 of 6

BOX no.	DEPTH	Rec. Int.	Weath U	Weath S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min	Mineralogy Habit	Color M	Color ©	Texture/Grain Size clst sd gr mm 01 10 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	60																		SS	No Core recovered from 65' SS to 66.5
	62																			
	64																			
	66																		66.5'	
	68					highly fractured 10/5'							Calcite filled fracture		5Y 5/2 to olive gray				CS	Claystone 67.5 oxidation boundary
(2)	70					massive							5% clay matrix 70% claystone clasts 25% quartz		N4/0 med dark gray				70.7' SS	SANDSTONE, med. to very coarse grained, poorly
	72					thickly banded							50% similar clasts							20% small gravel size claystone clasts
	74					massive									N3/0 dark gray				74.2' CS	Claystone
	76					76° fracture														
	78																			

ESE, Inc. BORE EP-67 WELL(S)

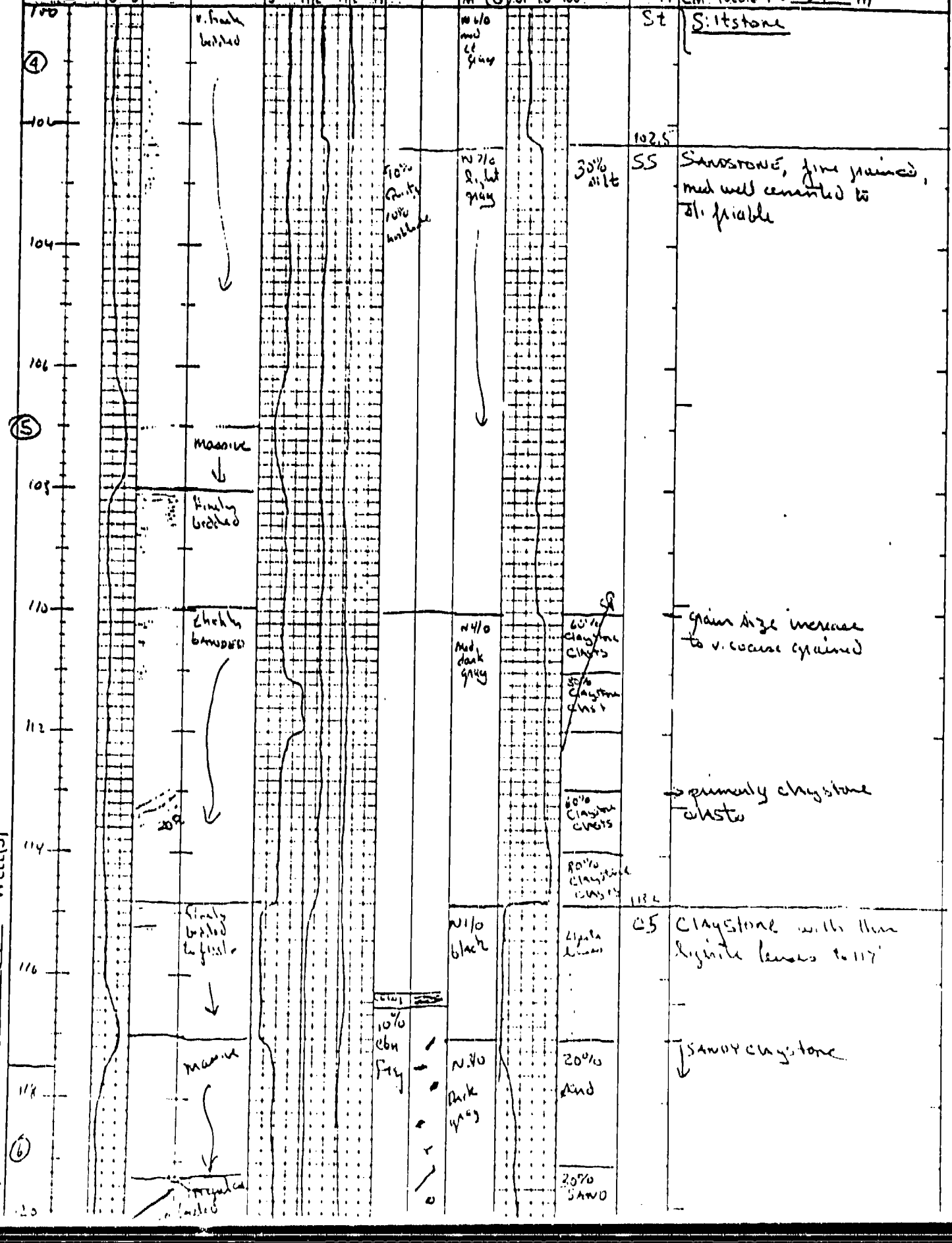
ESE, Inc. CORE LOG By 10/21/87 Date 10/21/87 BORE EP-67 Well(s) _____ Page 3 of 4

BOX no.	DEPTH	Rec. Int	Weathering U	Weathering S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	80																		CS	Claystone
																			81'	
2						massive							60% Claystone clasts 30% Quartz 10% Mica		N3/0 dark gray			10% claystone clasts		SANDSTONE, very coarse grained, moder. well cement
	82					Unlithified laminae													82.7'	
	84												5% cbn grns pyr crystals		N4/0 med. dark gray			30% silt	CS	Claystone, silty, slightly SP
	86																		86.2'	
3						finely bedded												20% silt	SS	SANDSTONE, v. silty, SP fine grained, well cemented interbedded with siltstone
	88					dislocated beds														
	90																			
						massive									N 2/0 greyish black				CS	Claystone
																			91	
															N5/0 medium gray				SS	SANDSTONE
	92												3% cbn grns		N3/0 Dark gray				CS	Claystone
	94																			
																			94.7	
4															N7/0 Light gray			10% fine sand	St	Siltstone
	96																			
	98					v. finely bedded														

WELL(S) BORE EP-67

ESE, Inc.

ESE, Inc. CORE LOG By 10/21/87 Date 10/21/87 BORE EP-67 Well(s) _____ Page 4 of 8



BOX No.	DEPTH	Structure/Bedding Angle	Desc.	Mineralogy Min.	Color	Lith. Char.	Lith. Class	Description/Comments (Scale 1" = 2 ft)
	120		irregular bedded w/sand fillings; massive	15% cbn gray	N3/0 Dark gray	30% sand; 25% silt; 40% sand; 25% silt	CS	Claystone, v. sandy
	122							
	124							
6								
	126							
	128		finely bedded to thinly banded		N7/0 light gray	127.8	127.8 ST	Siltstone
	130		massive	80% Quartz 20% Hornblende	N5/0 Medium gray		130.0' SS	SANDSTONE, medium grained, hard, well cemented to sl. friable
	132							
7								
	134							
	136							
	138							
			finely bedded		N2/0 grayish black		138.5 CS	Claystone
	140							

ESE, Inc. CORE LOG By SP Date 10/22/87 BORE EP-67 Well(s) _____ Page 6 of 8

BOX no.	DEPTH	Rec. Int.	Weathering U	Weathering S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clay sd gr .01 mm 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	140					massive									N3/0				CS	Claystone
(7)															Dark gray					
	142																		142	
															5Y 2/1				Lig	Lignite
						massive									N5/0				CS, 143.8'	Claystone, v. silty, sandy
															med gray			10% clay	St 144.8'	Siltstone
	144																			
																			SS	Sandstone, fine grained, silty, well cemented
						irregular bedded with coarser sand fillings							3% clay					20% silt		
	146																			
	148																			
(8)																				
	150					faint v. fine bedding													150'	
																		35% clay	St	Siltstone, very clayey
	152																		152'	
						v. fine bedding to laminated							70% clay 10% mudstone		N 4/0 med dark gray			30%	SS	Sandstone, fine grained moderately well cemented to sl. friable, v. finely bedded w. clay laminae
	154																			
	156												calcite							
(9)						folded w. thinly laminated							calcite							
	158																			

BORE EP-67 WELL(S)

ESE, Inc.

ESE, Inc. CORE LOG By J.V. Date 10/22/84 BORE EP-67 Well(s) _____ Page 2 of 6

Box No.	Depth	Rec. Int.	Weath U	Weath S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst sd gl mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1": 2 ft)
	160												40% Quartz 10% hornblende		N4/0 med dark gray				SS	SANDSTONE, fine grained
	162																			
	164					massive clasts w/clastic clast.												35% claystone clasts		grain size increases to coarse grained, claystone clasts up to 1", generally elongated or plate shaped, no alignment.
	166																			
(9)	168					massive							Calc					10% claystone clasts		
	170																			
	172																			
	174																		175.0	
	176					massive									N1/0 Dark gray				CS	Claystone
(10)	178																			
	180																			

ESE, Inc. CORE EP-67 WELL(S)

ESE, Inc. CORE LOG By _____ Date 10/24/87 BORE EP-61 Well(s) _____ Page 8 of 8

BOX no.	DEPTH	Rec. Int.	Weath U	Weath S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
(10)	181					massive									N 3/0 DARK gray				cs	clay stone

Total Depth 181'

SE, Inc. BORE EP-61 WELL(S)

Company: ESE

Well name: EP-67

Area/Project: RMA

County: ADAMS COUNTY | State: COLORADO

Section | Township | Range | Elevation

Log Measured From: Ground Level

Driller Depth: 181 FT | Bit Size: 3 7/8" | Casing Depth: 36 FT | Fluid in Hole: native mud | Density/Viscosity | Rm: c

Drilling Measured From: Ground Level

Time In: 1015 | Time Out: 105

Unit No.: 110

Operator: Wm. Linton

Location: Lakewood, CO

EQUIPMENT DATA

T.D. Logged: 180 FT

Natural Gamma: 200 Scale = 20 CPS per inch

Time Constant: 2 Sec | Logging Speed: 15 Ft/Min

Calib. Source No/Value: = CPS

Probe No: 103-1421 | Probe Diameter: 1 5/8"

Detector Type, Size: xtal 3/4 x 1"

K Factor: 2.38 x 10⁻⁵ | Dead Time: 7 Microsec

Hole Factor: 1.10 | for hole size: 3 7/8"

Casing Factor: for casing size

Resistance: Ohms per 5 Inches

S.P.: MV per Inch

NATURAL GAMMA BEDS (ANALOG) (Initial log off scale)

Scale = CPS/in	Scale = CPS/in	Scale = CPS/in	Scale =
T C Sec / Logging Speed Ft/Min	T C Sec / Logging Speed Ft/Min	T C Sec / Logging Speed Ft/Min	T C Sec / Logging Speed
From Ft To Ft	From Ft To Ft	From Ft To Ft	From Ft To Ft
Total Ft	Total Ft	Total Ft	Total

Gamma (Analog) Ft | Density Source No

Gamma (Digital) Ft | Type

Caliper Ft | CPS/inch

Temperature Ft

DIRECTIONAL DATA

Closure Ft | Neutron Source No | Type | Strength

Azimuth: | CPS/inch

True Vertical Ft | Survey Depth Ft

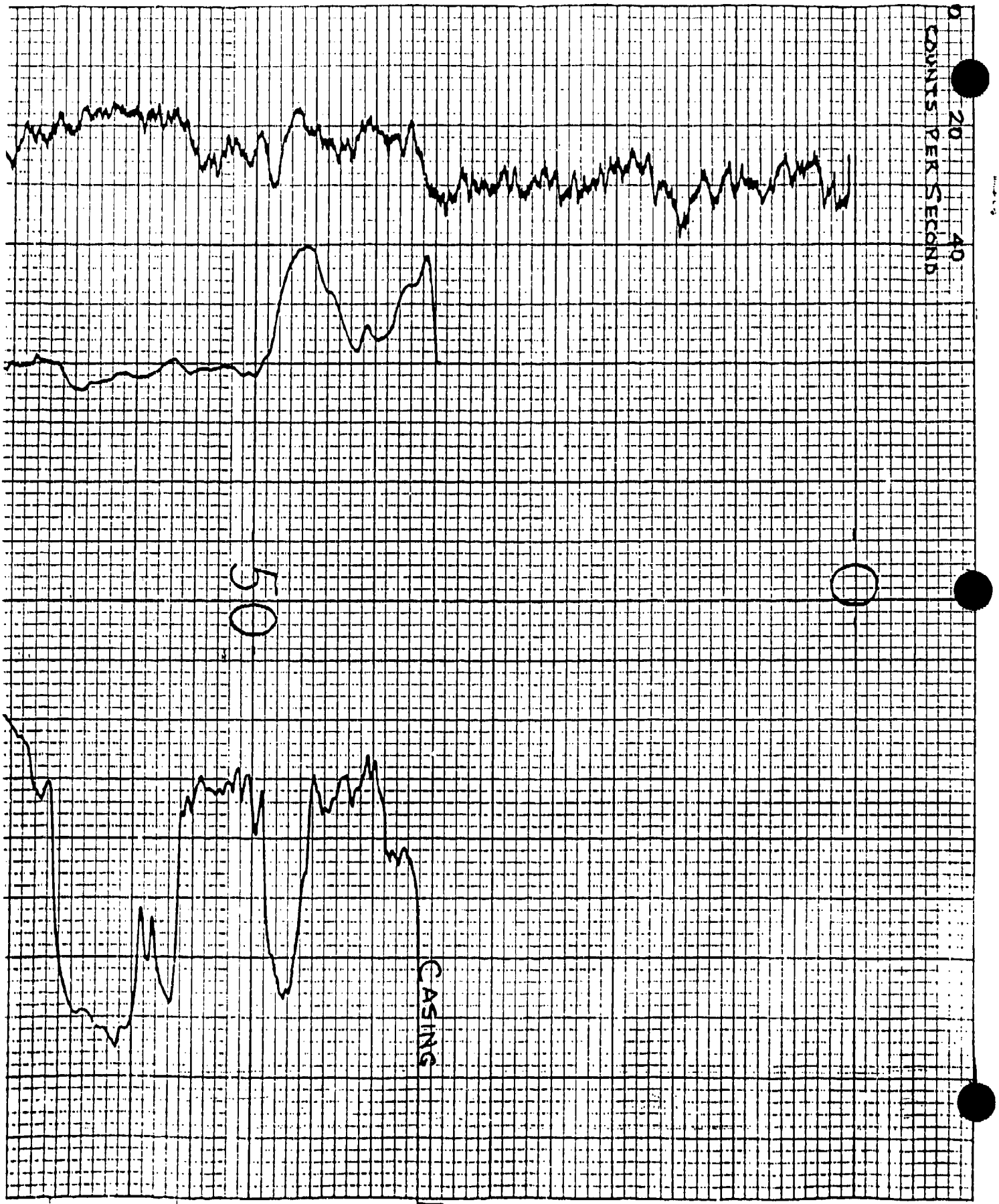
NATURAL GAMMA: 20 CPS (Initial Log)

S.P.: − 10 MV +

RESISTANCE: 100 OHMS/ 5 Inches

0 20 40
COUNTS PER SECOND

FRONTIER LOGGING CORPORATION



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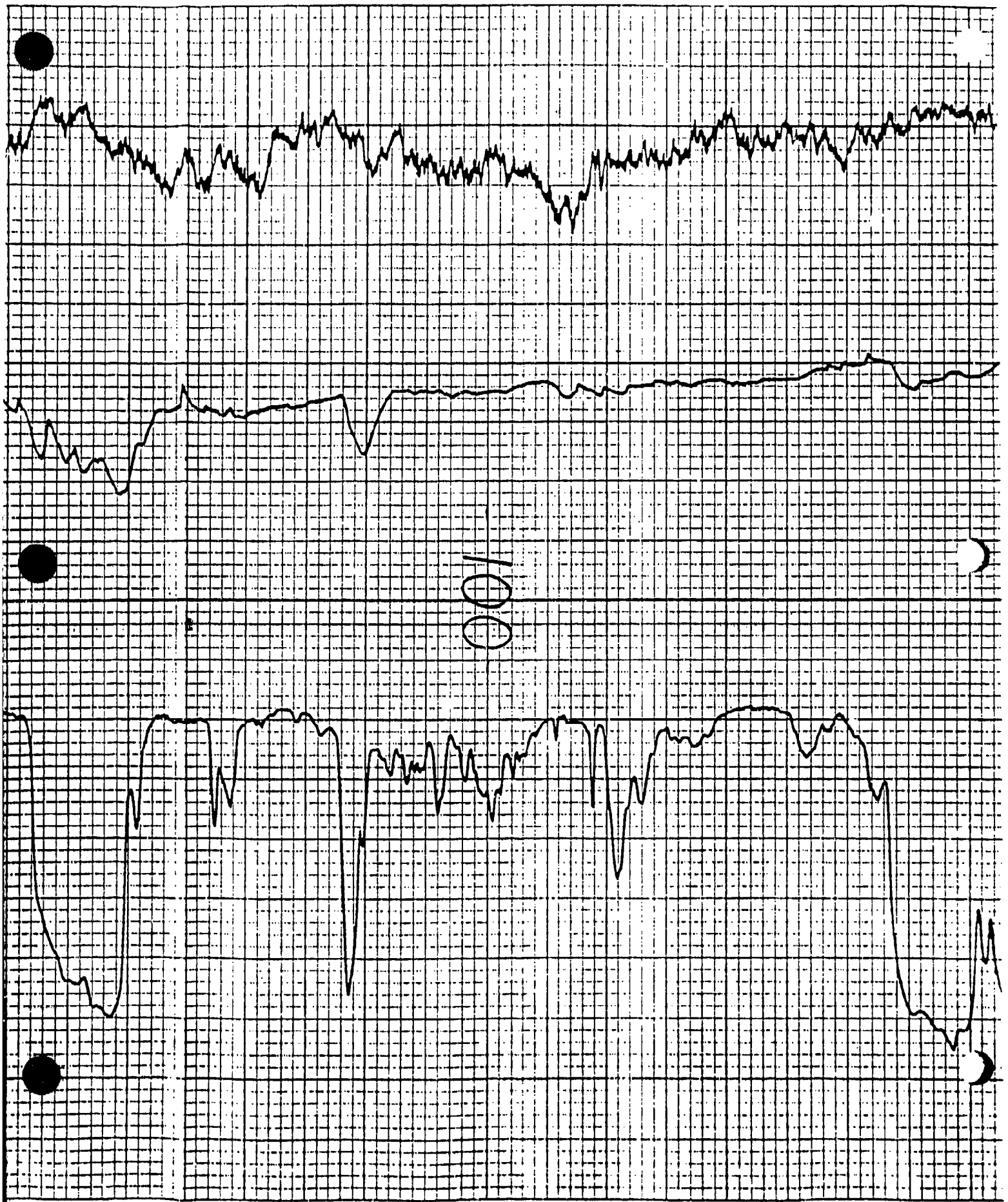

FRONTIER LOGGING CORPORATION

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WELL CONSTRUCTION SUMMARY

Borehole EP-67 Alluvial Well 35087

Project Name and Location RMA Monitor well Inst. T44 Project Number T19

Drilling Company Boyles Bros. Driller Don Irvine Rig Number ER

Drilling Method(s) 13¼" OD HS Augers

Borehole Diameter 13¼ in. ____ cm. 0 ft. ____ cm. to 38.1 ft. ____ cm.
____ in. ____ cm. ____ ft. ____ cm. to ____ ft. ____ cm.

Size(s) and types of Bit(s) 7⅞" Center Bit

Size and Type PVC 4" Sch. 40 pvc

Total Borehole Depth 38.1 ft. ____ cm.

Depth to Bedrock 34.5 ft. ____ cm.

Depth to Water 34.1 ft. ? in Augers cm.

Water Level Determined By visual taping

Length Plain PVC (total) 28.87 ft. ____ cm.

Length of Screen 10.95 ft. ____ cm.

Total Length of Well Casing 39.82 ft. ____ cm.

PVC Stick Up 1.07 ft. ____ cm.

Depth to Bottom of Screen 38.1 ft. ____ cm.

Depth to Top of Screen 27.15 ft. ____ cm.

Depth to Top of Sand 21.8 ft. ____ cm.

Depth to Top of Bentonite 17.6 ft. ____ cm.

Sampling Method(s) Not sampled - cutting @ Rig Analysis

Date/Time Start Drilling 11-24-87 / 1040

Date/Time Finish Drilling 11-24-87 / 1353

Date/Time Start Completion 11-24-87 / 1353

Date/Time Cement Protective Casing 11-25-87 / 0834

Materials Used ____

Plain PVC 28.87

Slotted PVC 10.95 Pcs.

Bentonite Pellets 5 (5gal buckets) 250#

Bentonite Granular ⅔ bag (33#)

Cement 7 bags (650#)

Sand 9 bags (900#) 10-20

Water added during completion 10 gals

Water added during drilling None

Total Gallons of water added 10 gal.

Drill Site Geologist Jon K. Willem

Date 11-24-87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 2/25/88 0900 SS RW

Date/Time/Personnel Casing Painted 2/25/88 0930 SS RW

Date/Time/Personnel Numbers Painted 3/8/88 1530 RW ER

Materials Used 12 bags of White

Top of Protective Casing to Top of PVC	0.31 ft.	____ cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.30 ft.	____ cm.	____
Top of Protective Casing to Internal Mortar	1.66 ft.	____ cm.	____
Top of Protective Casing to Top of Cement Pad	1.63 ft.	____ cm.	____
Top of Protective Casing to Ground Level	1.85 ft.	____ cm.	____

Reviewed By [signature] Date 3/12/88

Drill Site Geologist ____ Date ____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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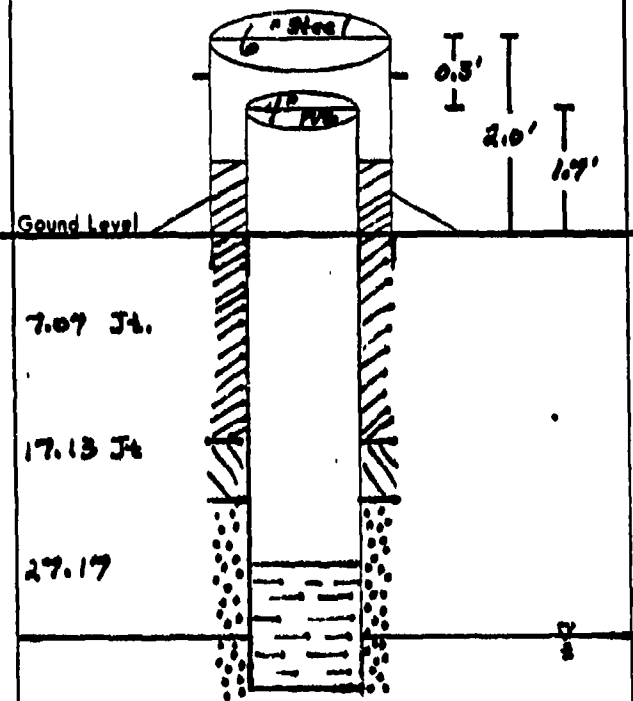
Borehole: EP-67 Alluvial Well: 35087

Depth-Feet	Soil/Rock Type	Well Completion	Description
			4" ID Sch 40 PVC: 1.70' Above ground to 38.1' Below ground
5		7.07 Ft.	
10		17.13 Ft	Top of Bentonite: 17.6'
20			Top of Sand: 21.8'
		27.17	Top of screen: 27.15'
30			Water: 34.1'
			Bedrock: 34.5'
40			Bottom of Screen: 38.1
			TD: 38.1

Drill Site Geologist: G. Wilkes Date: 11-24-87

Reviewed By: [signature] Date: 2/5/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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WELL DEVELOPMENT DATA

Bore EP67A   Well ~~26~~ 35087

Project RMA ON POST TASK 19 44   Project Number 86956
Date(s) Developed 02/12/88   Date Installed 11/24/87
Personnel (Name/Company) WEST/[illegible]/ESE   Well Diameter (I.D.) 4" PVC in.
Anulus Diameter [illegible] in. 2 ft. to 38.1 ft.
Rig Used ESE WELL SERVICE TRUCK   ___ in. ___ ft. to ___ ft.
Pump (Type/Capacity) GRUNDFOS (3) [illegible]/7 GPM   Screen Interval 23.15 ft. to 38.1 ft.
Bailer (Type/Capacity) N/A Geotech/bladder pump   ___ ft. to ___ ft.
Water Source RMA   Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 39.80 ft.   Bottom of Screen (Below G.L.) 38.1 ft.
(Final) 39.80 ft.
Water Level TOC/Date/Time (Initial) 33.45 / 2-12-88 / 0900
(after 24 hrs.) 33.45 / 3-10-88 / 0936
Feet of Water in Well 6.05 ft. x 2.32 gallons/foot = 14.0 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons   * One Purge Volume 25 gallons
Purge Water Lost N/A gallons   Minimum Purge Volume 125 gallons
Added Water 10 gallons   Total Purge Volume 34 gallons
Casing/Anulus Volume 14 gallons   Volume Measured By 55 GALLON BARREL
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Ø 21 SN: 015877
pH 7.00 = 7.04 at 17.9 °C, pH 10.00 = 10.14 at 13.0 °C
Conductance Meter Used: YSI MODEL 33 SN: 2603
Standard 1413 umhos/cm at 25°, Reading 1416 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 2 gals	9:34	13.2	7.10	1221	VISCOUS OPAQUE w/SUSPENDED SILT, SAND
5 gals	10:32	13.7	7.46	1185	SAME
Dewatered in 5 gallons – recharge is less than 1/8 gpm!					
Final					

Remarks: IRIDESCENT FILM ON WATER IN BARREL
Pump on @ ~~0918~~ 0930/0935 Pump dry – switching 7 gpm Grundfos – check for trashes.
1000: 7 gpm Grundfos – no water available w/this pump either. 1015 Switch to Geotech/bladder pump.
* 1 Purge vol: 14 gallons (casing + anulus) + 10 gallons (added H_2O) = 24 → 25 gallons.

Collected by [signature] 2/12/88
Signature Date

Checked by [signature] [illegible]
Signature Date

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WELL DEVELOPMENT DATA

Bore ~~2727~~ Well 35057

Project RMA
Project Number 86956
Date(s) Developed 02/19/88
Date Installed 11/24/87
Personnel (Name/Company) ~~[illegible]~~ Kevin Person, Roy Rosales
Well Diameter (I.D.) 4" PVC in.
Anulus Diameter 12 1/4" in. 0 ft. to 35.1 ft.
Rig Used ESE Wellservice Truck
Pump (Type/Capacity) ~~GRUNDFOS~~ N/A
Screen Interval 27.5 ft. to 35.1 ft.
Bailer (Type/Capacity) ~~N/A~~ 2.5" x 2.0'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 39.80 ft. (Final) 39.80 ft.
Bottom of Screen (Below G.L.) 35.1 ft.
Water Level TOC/Date/Time (Initial) 33.47 / 2-19-88 / 12:31 / RR (33.45/2-12-88/0900)
(after 24 hrs.) 33.48 / 3-10-88 / 0936
Feet of Water in Well 6.35 ft. x 2.32 gallons/foot = 14.7 gallons casing/anulus volume
Drilling Fluid Lost NA gallons
* One Purge Volume 25 gallons
Purge Water Lost NA gallons
Minimum Purge Volume 125 gallons
Added Water 10 gallons
Total Purge Volume 34 gallons
Casing/Anulus Volume 14.7 gallons
Volume Measured By 5 gal bucket
Surge Technique bailer

Calibration: pH Meter Used: SN # 016344 Beckman 921
pH 7.00 = 7.07 at 07.0 °C, pH 10.00 = 10.20 at 08.3 °C
Conductance Meter Used: SN #14243 CMS Digital
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial ~~RR~~ 5 gal.	12:54	12.0°	7.73	1195	SILTY, BROWN
12 gal.	13:03	11.5°	7.81	1236	SAME
Final					RR

Remarks: DEWATERED AFTER 7 GAL.

* 1 Purge vol. : 14 gal casing + annulus
+ 10 gal added H_2O
24 gal => 25 gal

Collected by [illegible] Signature [illegible] Date
Checked by [illegible] Signature [illegible] Date

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WELL DEVELOPMENT DATA

Bore ERM7A Well 3508?

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 3/4/87 Date Installed 11/24/87

Personnel (Name/Company) DCW / ESE Well Diameter (I.D.) 4 in.

RR / ESE Anulus Diameter 12¼" in. 0 ft. to 38.1 ft.

Rig Used ESE WELL SURFACE TRUCK ____ in. ____ ft. to ____ ft.

Pump (Type/Capacity) N/A Screen Interval 27.15 ft. to 38.1 ft.

Bailer (Type/Capacity) 3.85" x 2.0' ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 39.80 ft. Bottom of Screen (Below G.L.) 38.1 ft.

(Final) 39.80 ft.

Water Level TOC/Date/Time (Initial) 33.45 / 2-12-88 / 0800

(after 24 hrs.) 33.45 / 3-10-88 / 0986

Feet of Water in Well 6.05 ft. x 2.32 gallons/foot = 14.0 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 25 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 125 gallons

Added Water 20 gallons Total Purge Volume 34 gallons

Casing/Anulus Volume 14 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: ORION

pH 7.00 = 7.00 at 10.0 °C, pH 10.00 = 10.00 at 10.5 °C

Conductance Meter Used: ESE MODEL 36

Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 12	1444	11.2	7.61	1202	cloudy w/ orange-brown silt
15	1447	11.3	7.57	1162	cloudy w/ orange-brown silt
20	1501	11.0	7.70	1220	cloudy w/ orange-brown silt
Final					DO

Remarks: Water Level: 33.45 Developed with 5 gallons

* 1 Purge vol. = 4 gal. casing + annulus + 10 gal. added H2O = 34 gal ⇒ 35 gal

Collected by [signature] 3/11/88
Signature Date

Checked by [signature] 3/11/88
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-02A Well 35087

Project Rocky Mtn Arsenal
Project Number TNW 40
Date(s) Developed 3/7/87
Date Installed 11/24/87
Personnel (Name/Company) DEW/ESE
RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 38.1 ft.
___ in. ___ ft. to ___ ft.
Rig Used ESE Well Service Truck
Screen Interval 27.15 ft. to 38.1 ft.
Pump (Type/Capacity) N/A
___ ft. to ___ ft.
Bailer (Type/Capacity) 3.85" x 2.0'
Casing Height (Above G.L.) 1.7 ft.
Water Source Rocky
Measured Well Depth TOC (Initial) 39.80 ft.
Bottom of Screen (Below G.L.) 38.1 ft.
(Final) 39.80 ft.
Water Level TOC/Date/Time (Initial) 32.45 / 2-12-88 / 0936
(after 24 hrs.) 32.45 / 3-10-88 / 0936
Feet of Water in Well 6.05 ft. x .65 gallons/foot = 14.0 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
4 One Purge Volume 25 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 125 gallons
Added Water 10 gallons
Total Purge Volume 34 gallons
Casing/Anulus Volume 14 gallons
Volume Measured By 5 gallon Bucket / 5 gal. Di
Surge Technique Bailing

Calibration: pH Meter Used: Beckman φ 21 SN 6243M1
pH 7.00 = 7.05 at 6.4 °C, pH 10.00 = 10.23 at 6.3 °C
Conductance Meter Used: YSI 1402/5 32 SN 26003
Standard 1413 umhos/cm at 25°, Reading 1415 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 20	1503	6.3	7.28	1155	cl/cloudy w/ orange-brown silt
23	1505	10.5	7.04	1171	cl/cloudy w/ orange-brown silt
26	1507	10.5	7.04	1181	cl/cloudy w/ orange-brown silt
27	1510	9.7	7.05	1200	cl/cloudy w/ orange brown silt
Final					Dry

Remarks: Water level - 32.52 Dewatered in 7 gallons

4 Plans w/ 14 gal casing + annulus + 10 gal drawn off = 24 → 25 gallons

Collected by _____ 3/7/88
Signature Date

Checked by _____
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-67A Well 35087

Project RMA On-Post
Project Number TASK 44
Date(s) Developed 3-8-88
Date Installed 11/24/87
Personnel (Name/Company) RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12½ in. 0 ft. to 38.1 ft.
___ in. ___ ft. to ___ ft.
Rig Used ESE Well Service truck
Screen Interval 27.16 ft. to 38.1 ft.
___ ft. to ___ ft.
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.85" x 2.0"
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 39.80 ft.
(Final) 39.30 ft.
Bottom of Screen (Below G.L.) 38.1 ft.
Water Level TOC/Date/Time (Initial) 33.45 / 2-12-88 / 0900 / BW
(after 24 hrs.) 33.45 / 3-10-88 / 9:36 / RR
Feet of Water in Well 6.29 ft. x ~~.653~~ .232 gallons/foot = 1.4.6 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 25 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 125 gallons
Added Water 10 gallons
Total Purge Volume 34 gallons
Casing/Anulus Volume 14.6 gallons
Volume Measured By 55 Gallon Barrel / 5 gal bucket
Surge Technique Bailing

Calibration: pH Meter Used: Beckman ϕ 21 ~~2t~~ pH Meter SN 016344
pH 7.00 = 7.05 at 12.0 °C, pH 10.00 = 10.14 at 12.9 °C
Conductance Meter Used: YSI Model 32 SN 2603
Standard 1413 umhos/cm at 25°, Reading 1416 umhos/cm at 11.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 27	1337	13.4	7.83	1193	cloudy w/orange brown silt
30	1343	12.0	7.79	1194	cloudy w/orange brown silt
33	1347	11.1	7.76	1192	cloudy w/orange brown silt
Final 34	1351	12.1	7.71	12.11	cloudy w/orange brown silt
Final					Blue

Remarks: Water level = 33.51' / 1333 Dewatered - 2 gallons

39.80 TOC Vol. 14.6
33.51 10
6.29 24

Collected by Bob Winters 3-8-88
Signature Date
Checked by
Signature Date

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WELL CONSTRUCTION SUMMARY

Borehole EP67 D1 Well ~~SAME~~ SP 35048

Project Name and Location ROCKY MTN ARSENAL - SECTION 36 Project Number TBK44

Drilling Company BOYLES BROS Driller DON IRVING Rig Number

Drilling Method(s) HOLLOW STEM AUGER 0 - 38.6 ft

ROTARY W/CLEAN WATER 38.6 - 48.9'

Borehole Diameter 12" in. ____ cm. 0 - 38.6 ft. ____ cm. to ____ ft. ____ cm.

5 3/4" in. ____ cm. 38.6 - 48.9 ft. ____ cm. to ____ ft. ____ cm.

Size(s) and types of Bit(s) AUGER: 12" O.D. / 7.7" I.D.
ROTARY: 5 3/4"

Size and Type PVC 4" O.D. SCH 40

Total Borehole Depth 48.9 ft. ____ cm.

Depth to Bedrock ~36 ft. ____ cm.

Depth to Water ~34 ft. ____ cm.

Water Level Determined By WHEN ENCOUNTERED DURING DRILL

Length Plain PVC (total) 44.76 ft. ____ cm.

Length of Screen 5.64 ft. ____ cm.

Total Length of Well Casing 50.6 ft. ____ cm.

PVC Stick Up 1.7 ft. ____ cm.

Depth to Bottom of Screen 48.9 ft. ____ cm.

Depth to Top of Screen 43.26 ft. ____ cm.

Depth to Top of Sand 40 ft. ____ cm.

Depth to Top of Bentonite 35 ft. ____ cm.

Sampling Method(s) N/A

Date/Time Start Drilling 12/1/87 0900

Date/Time Finish Drilling 12/1/87 1100 (SURFACE CASING) 12/2/87 1130 (ROD)

Date/Time Start Completion 12/3/87 1140

Date/Time Cement Protective Casing N/A

Materials Used

Plain PVC 5' ADD'L 44.76 FT SCH 40

Slotted PVC 5.64 FT SCH 40 .010 SLOT

Bentonite Pellets 2 BUCKETS (100 LBS) 3/8" DIA SURFACE CASING

Bentonite Granular

Cement 10 BAGS SURFACE CASING 5 BAGS WELL CASING

Sand 2 BAGS

Water added during completion GROUTING ISOMIX'S SURFACE CASING 70 GALS WELL CASING

Water ~~added~~ during drilling CIRCULATED ~350 gals

Total Gallons of water added 0

Drill Site Geologist KEITH S. POLLMAN Date DEC. 3, 1987

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 2/25/88 0945 SS RW

Date/Time/Personnel Casing Painted 2/25/88 ON 1000 SS RW

Date/Time/Personnel Numbers Painted 3/8/88 1530 RW KR

Materials Used 12 bags mix

Top of Protective Casing to Top of PVC	0.64 ft.	____ cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.40 ft.	____ cm.	
Top of Protective Casing to Internal Mortar	1.16 ft.	____ cm.	
Top of Protective Casing to Top of Cement Pad	1.55 ft.	____ cm.	
Top of Protective Casing to Ground Level	2.5 ft.	____ cm.	

Reviewed By [signature] Date 3/15/88

Drill Site Geologist ____ Date ____

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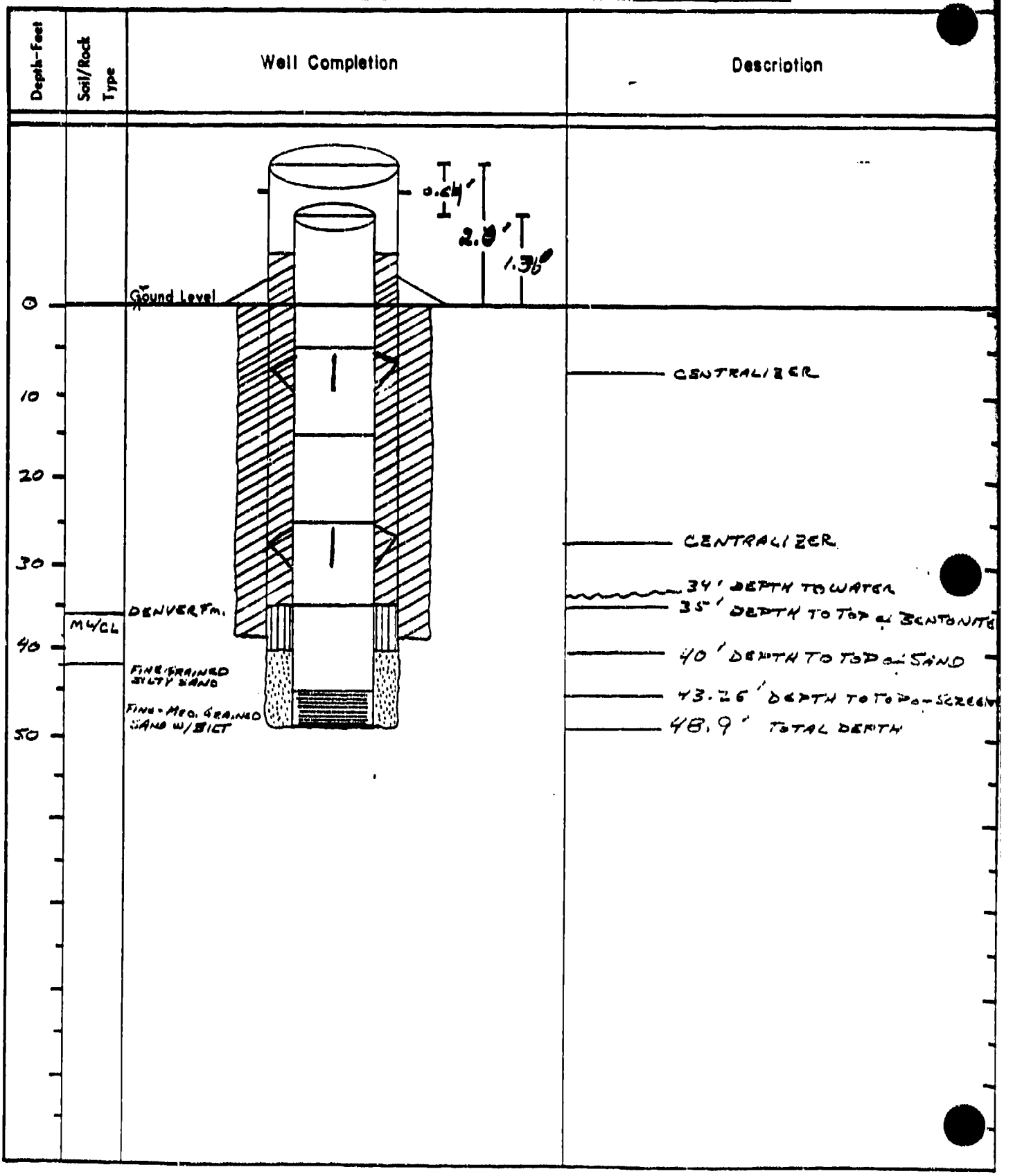
Borehole: EP-67D1 Well: ~~EP-67D~~ SP 35088



Drill Site Geologist: [illegible] Date: [illegible]

Reviewed By: [illegible] Date: 3/8/89

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WELL DEVELOPMENT DATA

Bore EPL7D1 Well 35088

Project TEST 44
Project Number
Date(s) Developed 2-19-98
Date Installed 12-3-97
Personnel (Name/Company) ESE
Well Diameter (I.D.) 4" PVC in.
Kevin Pierson / Ray Rosales
Anulus Diameter 12¼" in. 40' ft. to 497 ft.
Rig Used Well Develop. Truck
— in. — ft. to — ft.
Pump (Type/Capacity) N/A
Screen Interval ~~424.32~~ ft. to 497 ft.
Bailer (Type/Capacity) WATER BAILER Stainless Steel
— ft. to — ft.
Water Source RMA
Casing Height (Above G.L.) 2.7' ft.
Measured Well Depth TOC (Initial) ~~326.7~~ ft. 50.83
Bottom of Screen (Below G.L.) 49.7 ft.
(Final) 50.82 ft.
Water Level TOC/Date/Time (Initial) 31.93 / 1315 / 2-19-98 / RR
(after 24 hrs.) 32.16 / 2-20-98 / 1230
Feet of Water in Well 12.17 ft. x 2.32 gallons/foot = ~~28.24~~ 28.25 gallons casing/anulus volume
Drilling Fluid Lost N.A gallons
One Purge Volume 20 gallons
Purge Water Lost N.A gallons
Minimum Purge Volume 100 gallons
Added Water 0 gallons
Total Purge Volume 105 gallons
Casing/Anulus Volume gallons
Volume Measured By 5 GAL. BUCKET
Surge Technique BAILING

Calibration: pH Meter Used: SN #A16344
pH 7.00 = 7.07 at 07.6 °C, pH 10.00 = 10.20 at 09.3 °C
Conductance Meter Used: SN # 14243
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 23.0 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial RR 0 Gal.	1350	14.4°	7.57	768	SILTY BROWN SOME SED
25 Gal	1425	12.5°	7.51	1421	SILTY BROWN
31 Gal.	1441	12.0°	7.50	1495	SILTY BROWN LOTS OF SED.
Final					RR

Remarks: DEWATERED @ 31 Gal.

Collected by [signature] 2-20-98
Signature Date

Checked by [signature] 2/20/98
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-67D1 Well 35088

Project ~~Task 44~~ RMA On-Post
Project Number Task 44
Date(s) Developed 3/9/88
Date Installed 12/2/87
Personnel (Name/Company) RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 in. 0 ft. to 38.6 ft.
5-3/4 in. 38.6 ft. to 48.9 ft.
Rig Used ESE Well Development Truck
Pump (Type/Capacity) Grundfos / 5GPM
Screen Interval 43.26 ft. to 48.9 ft.
Bailer (Type/Capacity) N/A
_____ ft. to _____ ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) ~~21.69~~ 50.83 ft.
Bottom of Screen (Below G.L.) 48.9 ft.
(Final) 50.82 ft.
Water Level TOC/Date/Time (Initial) 31.89 / 3-9-88 / 0932 / RR BW.
(after 24 hrs.) 32.10 / 3-14-88 / 1220

Feet of Water in Well 18.94 ft. x 0.653 gallons/foot = 12.37 gallons casing/anulus volume
Drilling Fluid Lost W/A gallons
* One Purge Volume 20 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 100 gallons
Added Water ∅ gallons
Total Purge Volume 105 gallons
Casing/Anulus Volume 12.37 gallons
Volume Measured By 55 Gal. Barrel and 5 Gal bucket
Surge Technique Raise and lower pump

Calibration: pH Meter Used: Beckman ∅ 21 PH Meter SN 016344
pH 7.00 = 7.03 at 15.2 °C, pH 10.00 = 10.13 at 14.2 °C
Conductance Meter Used: YSI Model 32 SN 2603
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 15.2 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 31	0905	14.6	7.69	1503	Cloudy Brown w/ Silt & fine grained Sand
41	0913	13.7	8.18	1460	Cloudy Brown w/ Silt & fine grained Sand
51	0925	14.6	7.87	1479	Cloudy Brown w/ Silt & fine grained Sand
56	0937	15.0	7.53	1210	Cloudy
Final				Sew	

Sandpack = 48.9 Bot. of Screen
− 40.0 Top of Sand
8.9 ft × .852 gal/ft = 7.6

Remarks: Cavitated ~~@ 55 gal total~~ in 35 gal, 15 min later well recharged to 6 gal.

* 1 Purge vol : 12.4 casing
+ 8 gal sandpack
20 gallons

Collected by [signature] 3-9-88
Signature Date

Checked by [signature] 3/14/88
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-67D1 Well 35-88A

Project RMA-21-EAST Project Number Task 44

Date(s) Developed 3-10-88 Date Installed 12-2-87

Personnel (Name/Company) RR/ESE Well Diameter (I.D.) 4" in.

BW/ESE Anulus Diameter 12 in. 0 ft. to 38.6 ft.

Rig Used Well Dowser Truck 5 3/4 in. 38.6 ft. to 48.9 ft.

Pump (Type/Capacity) Grundfos / 5 GPM. Screen Interval 43.26 ft. to 48.9 ft.

Bailer (Type/Capacity) N/A ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 50.83 ft. Bottom of Screen (Below G.L.) 49.9 ft.

(Final) 50.62 ft. 3-9-88 / 8:32

Water Level TOC/Date/Time (Initial) 31.59 / 3-10-88 / 8:23 / BW

(after 24 hrs.) 32.10 / 3-14-88 / 1220

Feet of Water in Well 18.94 ft. x 0.653 gallons/foot = 12.37 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 20 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 100 gallons

Added Water 0 gallons Total Purge Volume 105 gallons

Casing/Anulus Volume 12.37 gallons Volume Measured By 55 Gal Barrels

Surge Technique Air & Water pump

Calibration: pH Meter Used: Beckman 21 pH Meter SN # 116344

pH 7.00 = 7.03 at 16.1° °C, pH 10.00 = 10.07 at 17.6° °C

Conductance Meter Used: YSI Model 32 SN # 26603

Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial					
56	8:43	12.7°	7.77	1563	Cloudy Brn w/ Silt & Fine Grn Sand
66	8:47	12.5°	7.47	1513	Cloudy Brn w/ some silt
71	8:55	11.6°	7.43	1492	Cloudy very little silt
91	9:14	10.7°	7.39	1501	Slightly Cloudy
Final					NSV

Remarks: SWL = Water level, start pump start/pump off 9:14 Developed @ 25 Gal.

Pump set at 124 casing

Collected by [signature] 3-10-88
Signature Date

Checked by [signature] 3-10-88
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-67D1 Well ~~35088~~

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3/10/88 CONTINUED
Date Installed
Personnel (Name/Company) DLW, TCR, BW ESE
Well Diameter (I.D.) ____ in.
Anulus Diameter ____ in. ____ ft. to ____ ft.
____ in. ____ ft. to ____ ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 5 GPM
Screen Interval ____ ft. to ____ ft.
____ ft. to ____ ft.
Bailer (Type/Capacity) NA
Water Source RMA
Casing Height (Above G.L.) ____ ft.
Measured Well Depth TOC (Initial) 50.83 ft. (Final) 50.83 ft.
Bottom of Screen (Below G.L.) ____ ft.

Water Level TOC/Date/Time (Initial) 31.89 / 3-9-88 / 0832
(after 24 hrs.) 32.10 / 3-14-88 / 1220

Feet of Water in Well 18.94 ft. x .653 gallons/foot = 12.37 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
One Purge Volume 20 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 100 gallons
Added Water Ø gallons
Total Purge Volume 105 gallons
Casing/Anulus Volume 12.37 gallons
Volume Measured By 55 GALLON BARREL
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Ø21 SN: ~~[illegible]~~ 016344
pH 7.00 = 7.10 at 27 °C, pH 10.00 = 10.25 at 50 °C
Conductance Meter Used: YSI MODEL 32
Standard 1413 umhos/cm at 25°, Reading ____ umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 81	1520	10.4	~~7.91~~ 7.44	1566	cloudy w/ brown silt - many grains/chips black [illegible]
91	1524	10.3	6.88	1492	cloudy w/ brown silt
95	1532	8.1	7.10	1468	cloudy w/ brown silt
Final					

Remarks: Water level = 32.06 @ 1510
Pump on 1513 Note: Beckman pH meter [illegible] [illegible] [illegible] [illegible] - had to change to ORION SA 230 for last parameter. (G1 parameter may not be correct.)

Collected by [signature] 3/10/88
Signature Date

Checked by [signature] 3/17/88
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-6701 Well 35088

Project RMA on Post Project Number Task 44

Date(s) Developed 3-11-88 Date Installed 12-2-87

Personnel (Name/Company) RR, BW/ESE Well Diameter (I.D.) 4 in.

Anulus Diameter 12 in. 0 ft. to 38.6 ft.

Rig Used ESE Well Service Truck 5 5/4 in. 38.6 ft. to 48.9 ft.

Pump (Type/Capacity) Grundfos / 5 GPM Screen Interval 43.26 ft. to 48.9 ft.

Bailer (Type/Capacity) N/A — ft. to — ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 50.83 ft. Bottom of Screen (Below G.L.) 48.9 ft.

(Final) 50.82 ft.

Water Level TOC/Date/Time (Initial) 31.99 / 3-9-88 / 0533

(after 24 hrs.) 32.10 / 3-10-88 / 1220

Feet of Water in Well 18.94 ft. x .653 gallons/foot = 12.37 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 20 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 1236 gallons

Added Water 0 gallons Total Purge Volume — gallons

Casing/Anulus Volume 12.37 gallons Volume Measured By 55 Gallon Barrel

Surge Technique Surge / Lower Pump

Calibration: pH Meter Used: Beckman ϕ 21 SN 016344

pH 7.00 = 7.04 at 13.3 °C, pH 10.00 = 10.14 at 13.33 °C

Conductance Meter Used: YSI Model 32 SN 2603

Standard 1413 umhos/cm at 25°, Reading 1411 umhos/cm at 4.2 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 95	0834	7.8	7.56	1345	cloudy brown w/ s.l. fine sand
100	0842	9.1	7.33	1462	less cloudy/ small amount of sand
Final 105	0853	9.3	7.41	1455	cloudy brown w/ s.l. fine sand
Final					Slv

Remarks: Water level = 31.93 Start pump @ 834, pump @ 853, Final Sample for development water - obtained @

1 Purge Vol. 12.4 Casing

2 Purge Vol.

20.4

Collected by [signature] 3-10-88
Signature Date

Checked by [signature] 3/12/88
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole EP-67D2 Well 35089

Project Name and Location RMA Twr 44 Well Installation SW, SW Sec 35 Project Number T44

Drilling Company Boyles Bros. Driller Don Grimm Rig Number IR

Drilling Method(s) Rotary wash

Borehole Diameter	16 1/4	in.	cm.	0	ft.	cm. to	38	ft. cm.
	11 3/4	in.	cm.	38	ft.	cm. to	50	ft. cm.
	7 7/8			50 ft.		to	69 ft.	

Size(s) and types of Bit(s) 16 1/4", 11 3/4", 7 7/8" Blade Bits

Size and Type PVC 4" Sch 40

Total Borehole Depth	69	ft.	cm.	
Depth to Bedrock	33	ft.	cm.	
Depth to Water	—	ft.	cm.	
Water Level Determined By	—			
Length Plain PVC (total)	~~68.2~~	ft.	~~58.2 ft~~ cm.	
Length of Screen	10.0	ft.	cm.	
Total Length of Well Casing	68.2	ft.	cm.	
PVC Stick Up	1.7	ft.	cm.	
Depth to Bottom of Screen	66.0	ft.	cm.	
Depth to Top of Screen	56.0	ft.	cm.	
Depth to Top of Sand	50.0	ft.	cm.	
Depth to Top of Bentonite	46.0	ft.	cm.	

Sampling Method(s) Previously Cored

Date/Time Start Drilling 12/4/87 1040

Date/Time Finish Drilling 12/9/87 1500

Date/Time Start Completion 12/9/87 1550

Date/Time Cement Protective Casing 12/10/87 0845

Materials Used —

Plain PVC ~~58.2'~~ 58.2'

Slotted PVC 10.0'

Bentonite Pellets 1.25 buckets (62.5 lb.)

Bentonite Granular 2.25 bags (135 lb.)

Cement 23 bags (207 lb.)

Sand 3 bags (300 lb.)

Water added during completion 0 gal.

Water added during drilling 50 gal.

Total Gallons of water added 50 gal

Drill Site Geologist A.E. Datelli Date 12/10/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 2/25/88 1030 SS RP

Date/Time/Personnel Casing Painted 2/25/88 1100 SS RP

Date/Time/Personnel Numbers Painted 3/8/88 1800 BW LR

Materials Used 12 bags Sakrete

Top of Protective Casing to Top of PVC	0.18	ft.	cm.	
Top of Protective Casing to Weep Hole	1.0	ft.	cm.	
Top of Protective Casing to Internal Mortar	1.4	ft.	cm.	
Top of Protective Casing to Top of Cement Pad	1.5	ft.	cm.	
Top of Protective Casing to Ground Level	1.9	ft.	cm.	

COMMENT/NOTES

Reviewed By [signature] Date 3/8/88

Drill Site Geologist _____ Date _____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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Borehole: EP-67 Pz Well: 35089

Depth-Feet	Soil/Rock Type	Well Completion	Description
		8" ID Steel; 0.8'; 2.0'; 1.7'; 4" ID PVC; Ground Level	12" ID Steel Casing: Surface to 38' 8" ID Steel Casing: 2.0' Above Surface to 50' 4" ID PVC (Sch 40): 1.7' Above Surface to 66.5'
10		6.65' Ft.	
		16.44' Ft.	
20			
		26.22' Ft.	
30			Centralizer @ 30.0'
		36.22' Ft.	
40	St		TD / 12" ID Steel: 38.0' Centralizer @ 44.02'
	SS	46.02' Ft.	Top of Bentonite Seal: 46.0'
50	SS		TD / 8" ID Steel: 50.0' Top of Sand Pack: 50.0'
	SS		
		55.83' Ft.	Top of Screen: 56.0'
60	SS		Bottom of Screen: 66.0'
	CS		TD / 4" ID PVC: 66.5'
70			
80			
90			

Drill Site Geologist: M. Costelli Date: 12/9/87

Reviewed By: [signature] Date: 3/8/88

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore ED-67D2 Well 35089

Project RMA OU-POST Project Number TASK 44

Date(s) Developed 3/7/93 Date Installed 12/10/87

Personnel (Name/Company) PLW/ESE

RR/ESE BW/ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 10 1/4 in. 0 ft. to 50 ft.

11 3/4 in. 35 ft. to 50 ft.

Rig Used ESE MOBILE SERVICE TRUCK

Screen Interval 7 5/8 in. 50 ft. to 60 ft.

50.0 ft. to 60.0 ft.

Pump (Type/Capacity) GRUNDFOS/5 GPM

Bailer (Type/Capacity) N/A

Water Source RMA

Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 64.96 ft.

(Final) 64.26 ft.

Bottom of Screen (Below G.L.) 60.0 ft.

Water Level TOC/Date/Time (Initial) 35.05' / 3-7-93 / 1515

(after 24 hrs.) ~~35.46 / 3-8-93 / 1055~~ SW 3488 / 3-11-93 / 1430

Feet of Water in Well 29.85 ft. x 0.653 gallons/foot = 19.5 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

Purge Water Lost N/A gallons

Added Water 50 gallons

Casing/Anulus Volume 19.5 gallons

One Purge Volume 83 gallons

Minimum Purge Volume 415 gallons

Total Purge Volume 415 gallons

Volume Measured By 55 GALLON BARREL

Surge Technique RINSE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN ΦBI SN: 016344

pH 7.00 = 7.00 at 5.2 °C, pH 10.00 = 10.25 at 4.2 °C

Conductance Meter Used: YSI MODEL 32 SN: 2003

Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 3 gal.	1543	9.8	12.33	2350	Viscous, thick muddy w/ gray silt
10 gal.	1552	10.1	12.43	2670	muddy w/ gray silt
20 gal.	1556	11.3	12.24	2000	less muddy (cloudy) w/ gray silt & bentonite
85 gal.	1613	11.8	10.98	1067	mostly clear, some mix of gray
Final					Dry

Remarks: Purge 1540

Tip reading = 0.6 ppm. Purge rate = 40 gallons = 4.2 min.

Purge vol. = 415 Casing vol. 19.5 Sandpack vol. 50 Anulus vol. 345.5 gal

Collected by [signature] 3/11/93 Signature Date

Checked by [signature] Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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WELL DEVELOPMENT DATA

Bore EP 67.02 Well 35089

Project RMA On-Post Project Number Task 44

Date(s) Developed 3-8-88 Date Installed 12-10-87

Personnel (Name/Company) RR/ESE RW/ESE Well Diameter (I.D.) 4 in.

Anulus Diameter 10 1/4 in. 0 ft. to 38 ft.

11 3/4 in. 28 ft. to 50 ft.

Rig Used ESE Well Service Truck Screen Interval 7 7/8 in. 50 ft. to 69 ft.

Pump (Type/Capacity) Grundfos / 5 GPM 50 ft. to 66 ft.

Bailer (Type/Capacity) N/A

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 64.90 ft. Bottom of Screen (Below G.L.) 66.0 ft.

(Final) 68.24 ft.

Water Level TOC/Date/Time (Initial) 35.05 / 3-7-88 / 1525

(after 24 hrs.) ~~35.46 / 3-8-88 / 1030~~ DW 34.88 / 3-11-88 / 1430

Feet of Water in Well 29.63 ft. x .6573 gallons/foot = 19.5 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 83 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 415 gallons

Added Water ~~50~~ 50 gallons Total Purge Volume 415 gallons

Casing/Anulus Volume 19.5 gallons Volume Measured By 55 Gallon Barrel

Surge Technique Surge and lower Pump

Calibration: pH Meter Used: Beckman 6 21 pH meter SN 016344

pH 7.00 = 7.00 at 13.0 °C, pH 10.00 = 10.14 at 12.9 °C

Conductance Meter Used: YSI Model 32 SN 2603

Standard 1413 umhos/cm at 25°, Reading 1416 umhos/cm at 11.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 85	1430	13.7	12.02	796	cloudy w/ [illegible]
100	1439	13.4	11.49	862	less [illegible] cloudy w/ [illegible]
1.5	1449	13.6	11.29	789	more [illegible] clear w/ [illegible] cloudy w/ [illegible]
170	1504	12.4	9.82	801	clear
255	1545	12.1	9.37	879	clear
Final				~~936~~	clear

Remarks: Water level = 35.27

[illegible] weight of 19.5 gals Collected by [signature] 3-11-88
Signature Date

35.27 Checked by [signature]
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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WELL DEVELOPMENT DATA

Bore ~~EPC7D2~~ Well 35089

Project RMA on Post
Project Number Task 44
Date(s) Developed 3-8-88
Date Installed 12-10-87
Personnel (Name/Company) RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 10 1/4 in. 0 ft. to 38 ft.
11 3/4 in. 38 ft. to 50 ft.
Rig Used ESE Well Service truck
Screen Interval 7 7/8 in. 50 ft. to 69 ft.
56.0 ft. to 66.0 ft.
Pump (Type/Capacity) Grundfos / 5 GPM
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 64.90 ft.
(Final) 68.26 ft.
Bottom of Screen (Below G.L.) 66.0 ft.
Water Level TOC/Date/Time (Initial) 35.05 / 3-7-88 / 1525
(after 24 hrs.) ~~35.96 / 3-9-88 / 1130~~ DW 34.86' / 3-11-88 / 1430
Feet of Water in Well 29.63 ft. x .653 gallons/foot = 19.5 + 13.6 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 83 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 415 gallons
Added Water 56 gallons
Total Purge Volume 415 gallons
Casing/Anulus Volume 19.5 gallons
Volume Measured By 55 Gallon barrel
Surge Technique Raise & lower pump

Calibration: pH Meter Used: Beckman ϕ 21 pH Meter SN 016344
pH 7.00 = 7.05 at 12.0 °C, pH 10.00 = 10.14 at 12.5 °C
Conductance Meter Used: YSI Model 33 SN 26013
Standard 1413 umhos/cm at 25°, Reading 1416 umhos/cm at 11.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 340	1555	13.4	9.14	936	Clear
415	1645	13.7	8.71	1135	Clear
Final					DW

Remarks:

13.5 umhos

Collected by [signature] 3-11-88
Signature Date

Checked by [signature] 3-11-88
Signature Date

EP-71A

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ENGLEWOOD, COLORADO 80112 • 303/741-0639

BOREHOLE SUMMARY LOG

Borehole EP 71 A Well 23237, 23238

Project Name and Location RMA Soil Sampling T44 well Installat Project Number 17053.0E110

Drilling Company Boyles Driller R. Muckey Rig Number

Drilling Method(s) 3¼" ID HS Auger

Size(s) and type(s) of bit(s) 3¼" ID HS Bit - clay bit

Borehole Diameter 6 in. cm. 0 ft. cm. to 26 ft. cm.

in. cm. ft. cm. to ft. cm.

Sampling Methods Poly butarate tube in continuous sampler

Total Number Soil Sampling Tubes 9

Total Number Core Boxes 2

Number of Gallons Lost Drilling Fluid None

Date/Time Started Drilling 11-12-87 / 0829

Date/Time Completed Drilling 11-12-87 / 1605

Total Borehold Depth 26 ft. cm.

Depth to Bedrock 12' ft. cm. clayey - siltstone

Depth to Water Not Encountered cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? NO

Date/Time Grouting Completed 11-12-87 / 0959

Depth of Tremmie Pipe 16'

Gallons of Grout 60 gal

Materials Used 5 bags concrete ½ bag bentonite

Comments

Wellsite Geologist [illegible] Date [illegible]

Checked for Grout Settlement on 11-13-87 by [illegible]

Amount of Grout Added N/A

All Measurements from Ground Level

Reviewed by [signature] Date 3/17/88

Drill Site Geologist Date

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ENGLEWOOD, COLORADO 80112 • 303/741-0839

SHEET 1 OF 3

Borehole: EP-71 A Well Number: 23237, 23238

Depth-feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description — Munsell Colors
0						
2-0	2-0	2'	N/A	2-0	ML	ML, Sandy-silt, 10-15% vfg sand, 10YR 4/3 brown - dk. brown, non-plastic, loose, moist, Alluvium @ 0.8 color change to 10YR 5/4 yellowish brown
2						
	2-4	2'		2-4		ML, sandy silt 10% ufg sand w/ trace calcite 10YR 5/3 brown, non-plastic, medium dense, slightly moist, Alluvium
4						
	4-6	2'		4-6		ML, sandy silt ~ 30% ufg sand, w/ trace calcite 10YR 5/4 yellowish brown, non-plastic, medium dense, slightly moist, Alluvium
6						
	6-8	0		6-8		NO RECOVERY 6'-10.5' Encountered white fine silt plugged bbl.
8						
	8-10	.5'		8-10		
10						
	10-12	2'		10-12		@ 9.9' ML, sandy silt, ~ 5% sand, 10YR 7/3 very pale brown, non-plastic, loose, dry, Alluvium ~ 40% calcium carbonate 10YR 8/1 white
td						@ 11.0' ML, sandy silt, ~ 10% sand, 10YR 5/2, grayish brown ~ 15% calcium carbonate 10YR 8/2 white non-plastic, medium dense, dry, Alluvium

Drill Site Geologist: K. Richens Date: 11-12-87

Reviewed By: [signature] Date: 11/18/87

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0636

SHEET 2 OF 3

Borehole: FC 71A Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						Munsell Colors
12	12-14	2'	N/A	12-14		@12.0' Weathered clayey siltstone, ~ 40% clay 10YR 5/2, grayish brown w/ 10YR 7/4 pale brown calcium carbonate spots, traces of small gravel possibly granite, dense, dry, Bedrock
14	14-16	2'		14-16		Same w/ ~ 30% calcium carbonate 10YR 6/2 lt. brownish gray.
16	16-18	0		16-18		NO RECOVERY 16-20' Encountered gravel @ ~ 16.5 sample fell out
18	18-20	0		18-20		gravel won't retain shape.
20	20-22	2'		20-22		@20' GW, sandy gravel, ~ 30% sand 10% 1/4 rock rounded 10YR 5/3 brown, dense, loose, moist @20.5' SM, sandy clay, slightly weathered oxidized, 10YR 5/2 grayish brown, medium dense, moist
22	22-24'	0		22-24		NO RECOVERY 22-24' Course + fine gravels.
24						

Drill Site Geologist: [illegible] Date: 11-12-92

Reviewed By: [illegible] Date: 11/13/92

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP 71A Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
						Munsell Colors
24	22-24	2'	N/A	22-24		@ 24' well rounded gravel 10YR 5/3 @ 24.5'. Silty clay - weathered, 10YR 4/1 dk gray med. dense, moist
26						END OF BORING LOG

Drill Site Geologist: [illegible] Date: [illegible]

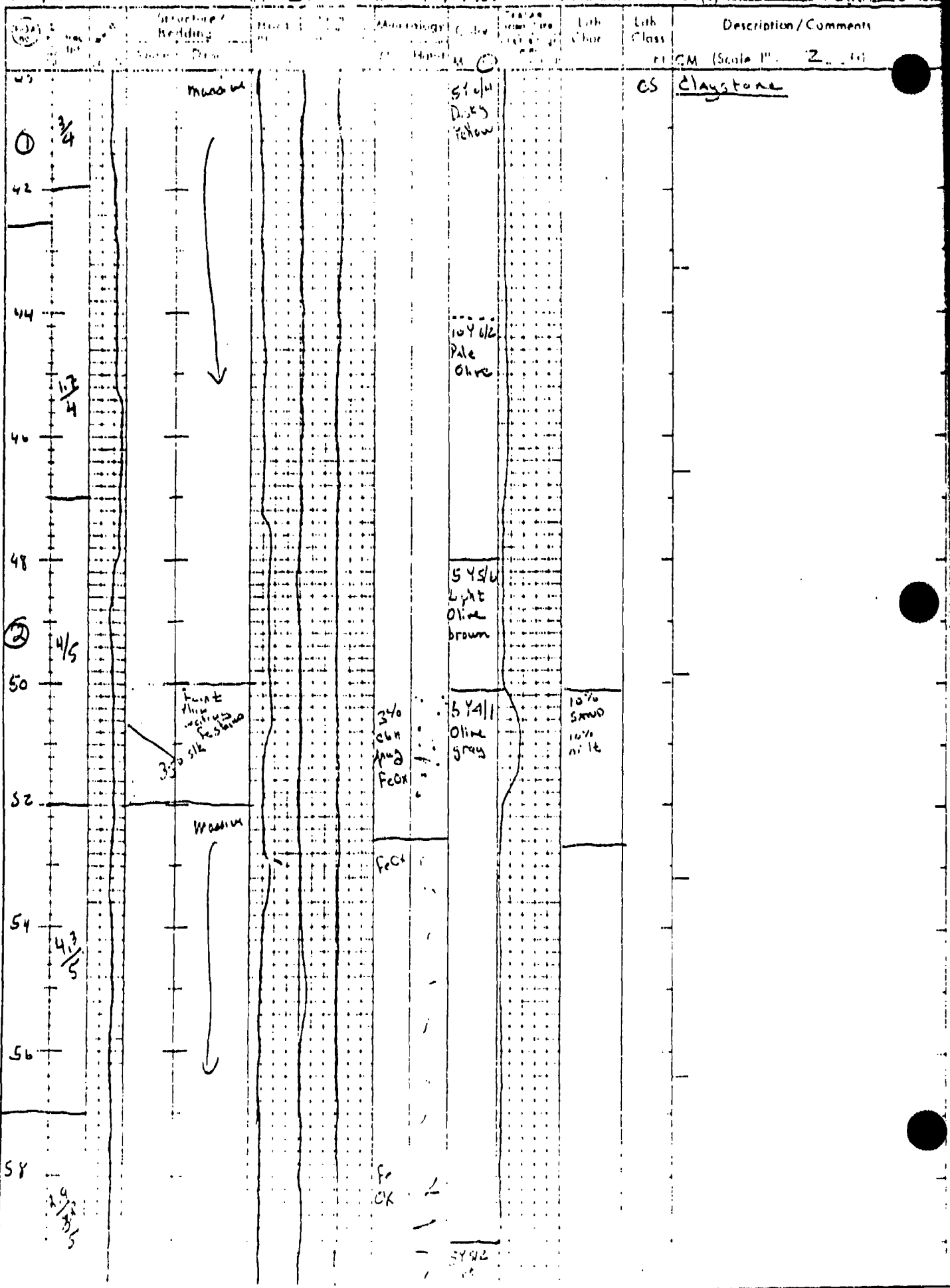
Reviewed By: [illegible] Date: [illegible]

ESE, Inc CORE LOG By SP Date 10/27/87 BORE EP-71 Well(s) ______ Page 1 of 6

Depth (ft)	Run/Recovery	Structure / Fracturing	Color	Lith. Class	Description / Comments (Scale 1" = 2 ft)
					Bedrock at ≈17' Casing set to 26', Begin coring at 26'
26	① .4/1	massive w/ 3 two ...	5Y 5/2 Lt olive gray	25% sand	CS — Claystone
27.0					No Core Recovered from 27' to 30.5'
28	0/5				
30					
30.5		40° slk, massive; 55° slk	5Y 4/1 Olive gray		CS — Claystone
32	4.5/5	35° slk			
34					
35	①		5Y 6/4 Dusky Yellow		
36					
38	3/4				

E, Inc BORE EP-71 WELL(S)

ESE, Inc. CORE LOG By SP On 10/2-3/87 For EP-71 Well(s) _____ Page 2 of 6

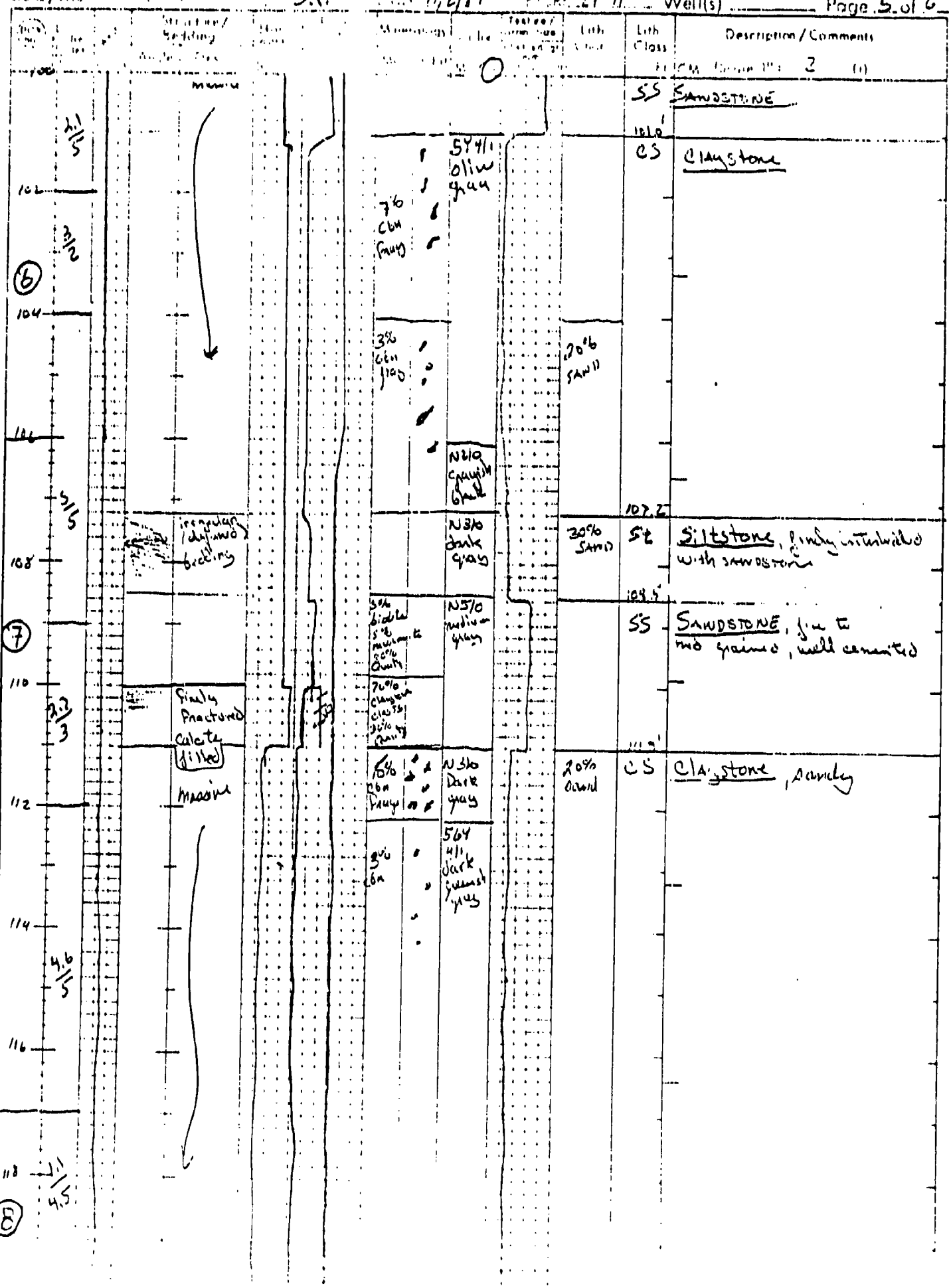


Depth	Rec/Run	Structure/Bedding	Mineralogy	Color	Lith Char	Lith Class	Description / Comments (CM Scale 1" = 2 ft)
60	2.4/5	massive		5Y 4/1 Olive gray	5% sand; 10% silt	CS	Claystone
62	3.5/9		10% con(?) 1"S	N 4/0 Med dark gray	15% silt		oxidation boundary
			2% con(?) gray				
64				N 3/0 Dark gray	20% silt		
66				5Y 4/1 Olive gray			
68	1.9/5						
70				5B 5/1 med. bluish gray			
72	2.1/4		chert nodules; 10% cbn(?)				
74				N 4/0 med dark gray	10% sand ↓ 20% sand	76.2	sand % increases ↓
76	5/5	thinly banded		N 2/0 grayish black	30% claystone	SS	Sandstone, medium to coarse grained, moderately well cement to sl. friable
78			5% [illegible]; 10% nodules(?); 75% [illegible]	5 GY [illegible] gray			Friable
	0/5	massive	2% [illegible]	N 3/0 [illegible]	15% sand	ST	Siltstone, [illegible]

Structure / Bedding Angle	Dev	Lithology	Color	Lith. Color	Lith. Class	Description / Comments
	MASSIVE	20% quartz 2% Lithic	5GY 4/1 Dark grenish gray	30% clayston clasts	SS	SANDSTONE, fine to medium grained, moderately well cemented to sl. friable
				30% clayston clasts		grain size increases to very coarse grained
			5Y 4/1 olive gray		CS	Claystone
	v. finely bedded	30% Quartz 10% mica 10% lithics			SS	SANDSTONE, v. fine grained
	v. finely bedded			30% silt		finely interbedded with silt
	MASSIVE		N 3/0 Dark gray	25% silt	CS	Claystone, v. silty
	dusky BANDED					interbedded with v. sandy claystone
	MASSIVE	5% quartz 5% Kaolin	N 4/0 med dark gray	40% clayston clasts	SS	SANDSTONE, mainly fine to v. coarse grained, silica cement, mod well cemented to sl. friable

BORE EP-21 WELL(S)

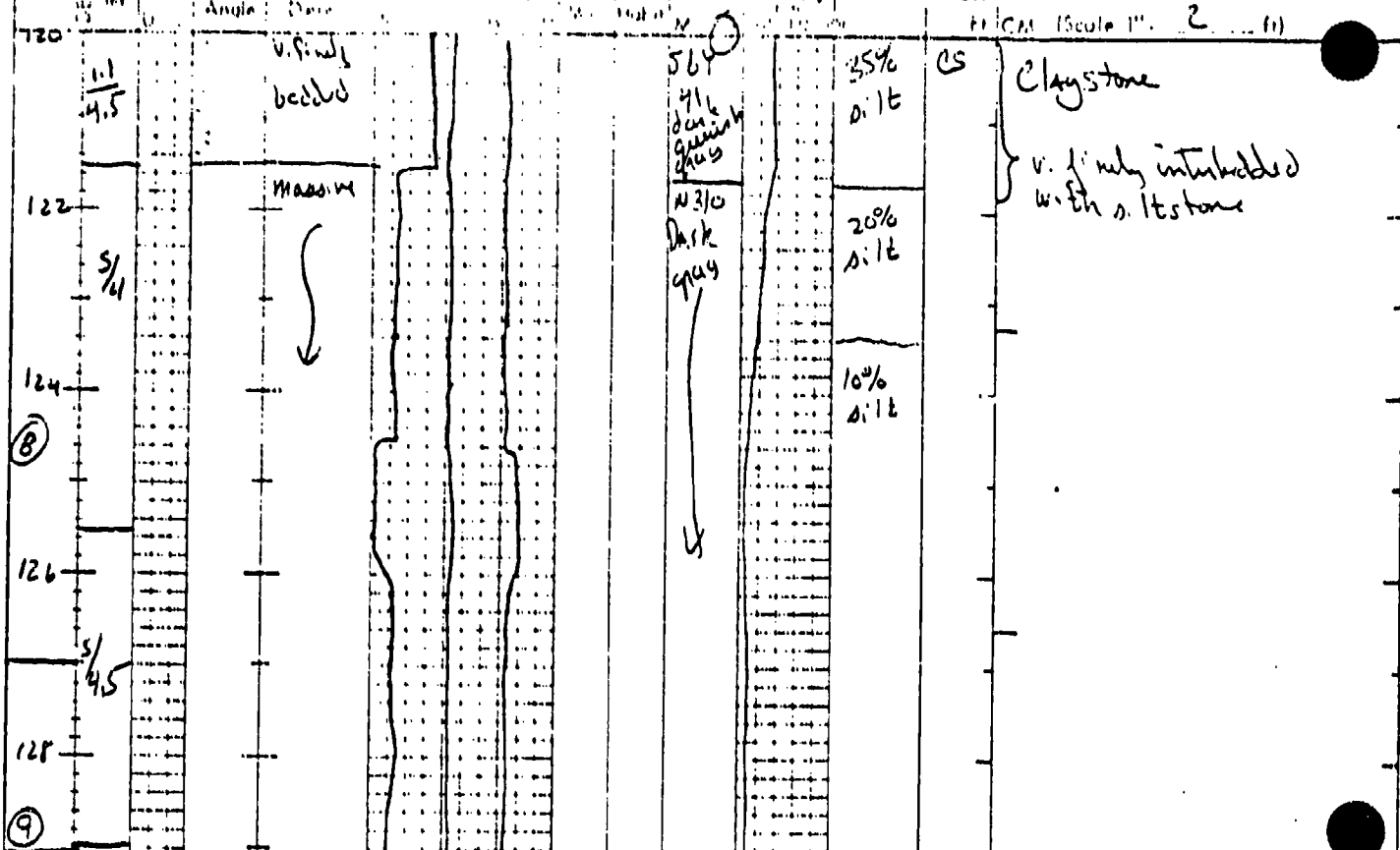
ESE, Inc.



WELL(S) EP-71

ESE, Inc.

ESE, Inc. CORE LOG by SP Date 11/2/94 BORE EP 71 Well(s) _____ Page 6 of 6



ESE, Inc. BORE EP-71 WELL(S)

Frontier Logging
Lakewood, Colorado

Date OCT. 23, 1987

Company: ESE
Bore Hole: EP-71
Area Project: RMA
County: ADAMS COUNTY
State: COLORADO
Section:
Township:
Range:
Elevation:
Log Measured From: Ground Level
Drilling Measured From: Ground Level

Driller Depth: 129 FT
Bit Size: 3 7/8"
Casing Depth: 22 FT PVC
Fluid in Hole: native mud
Density/Viscosity:
pH: c
Standby:
Time In: 1520
Time Out: 1650
Unit No.: 110
Operator: Wm Linton
Location: Lakewood

EQUIPMENT DATA

T.D. Logged: 125½ FT
Natural Gamma: 200 Scale = 20 CPS per inch
Time Constant: 2
Logging Speed: 15 F/min
Probe No.: 103-1421
Probe Diameter: 1 5/8"
Source Type: xtal 3/4 x 1"
Activity: 2.38 x 10⁻⁵
Detector Face: 7 Microns
Water Factor:
Casing Factor:
Resistance: 40 ohms/5" Ohms per 5 inches
S.P.: 60 MV/Inch MV per inch

NATURAL GAMMA RUNS (ANALOG)
(Initial log off scale)

Scale = CPS/in	Scale = CPS/in	Scale = CPS/in	Scale = CPS/in
T.C. Sec	T.C. Sec	T.C. Sec	T.C. Sec
Logging Speed F/min	Logging Speed F/min	Logging Speed F/min	Logging Speed F/min
From Ft To Ft	From Ft To Ft	From Ft To Ft	From Ft To Ft
Total Ft	Total Ft	Total Ft	Total Ft

1st run - hole blocked @ 115½ FT

2nd run in hole inside 96 FT of drill pipe
open hole log 96 FT - 125½

Gamma (Analog) Ft
Gamma (Digital) Ft
Caliper Ft
Temperature Ft

DIRECTIONAL DATA

Closure Ft
Azimuth
True Vertical Ft
Survey Depth Ft

Density Source No
Type Strength
CPS/inch
Neutron Source No
Type Strength
CPS/inch

NATURAL GAMMA — 20 CPS (Initial Log) — S.P. — 60 MV (− / +) — RESISTANCE — 40 OHMS/ 5 inches

True Vertical	Survey Depth
ft	ft

NATURAL GAMMA

20 CPS

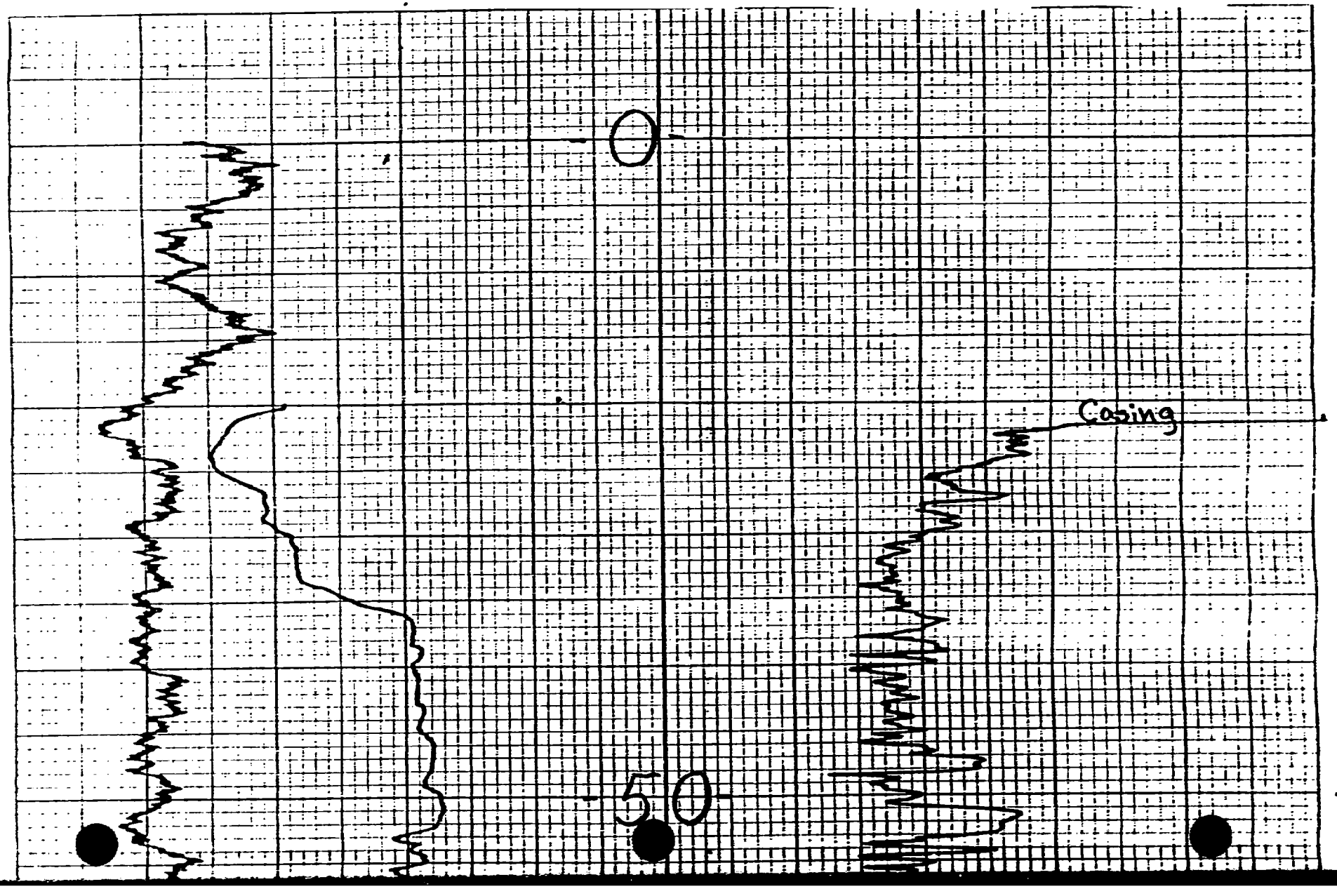
Inside Log

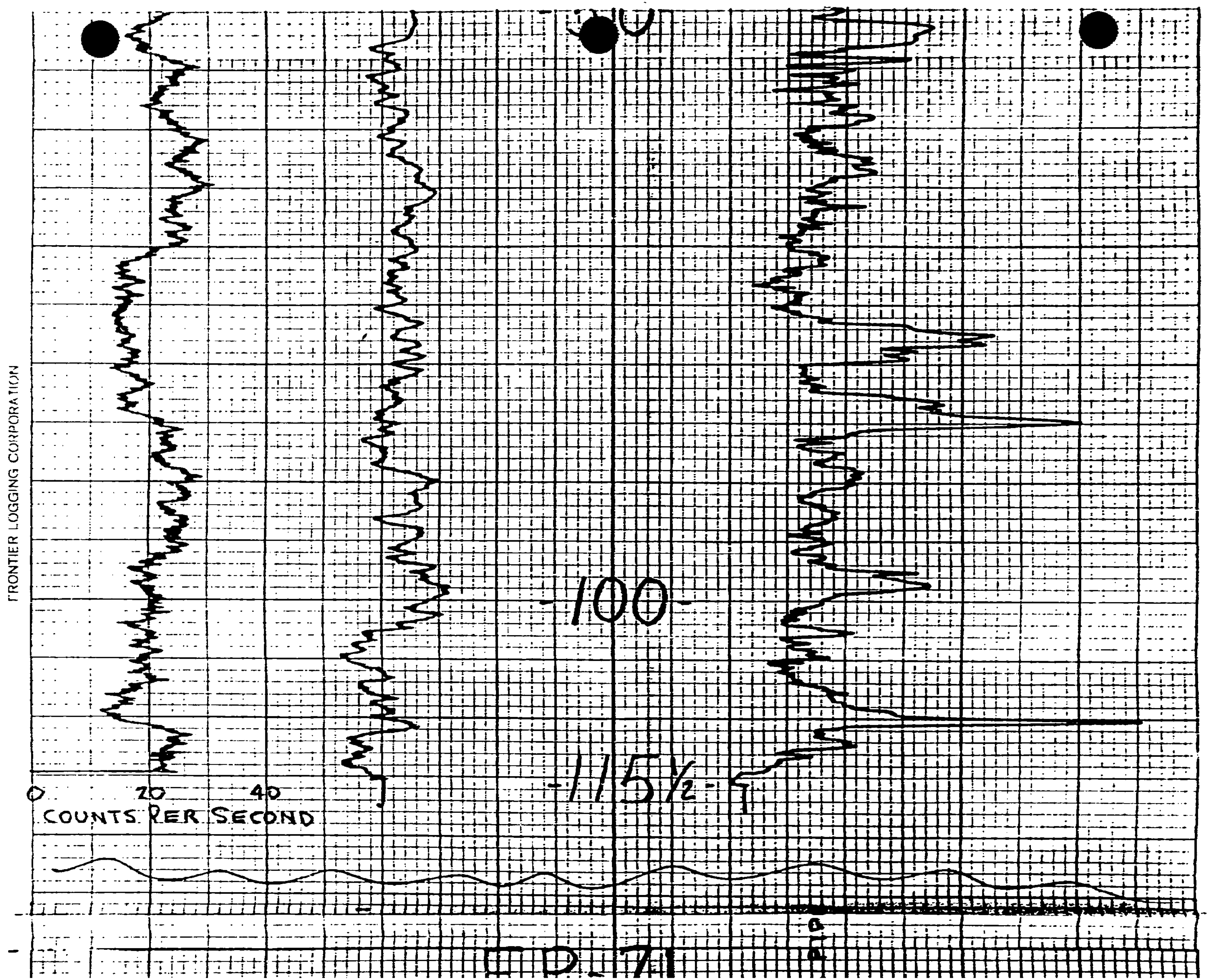
S.P.

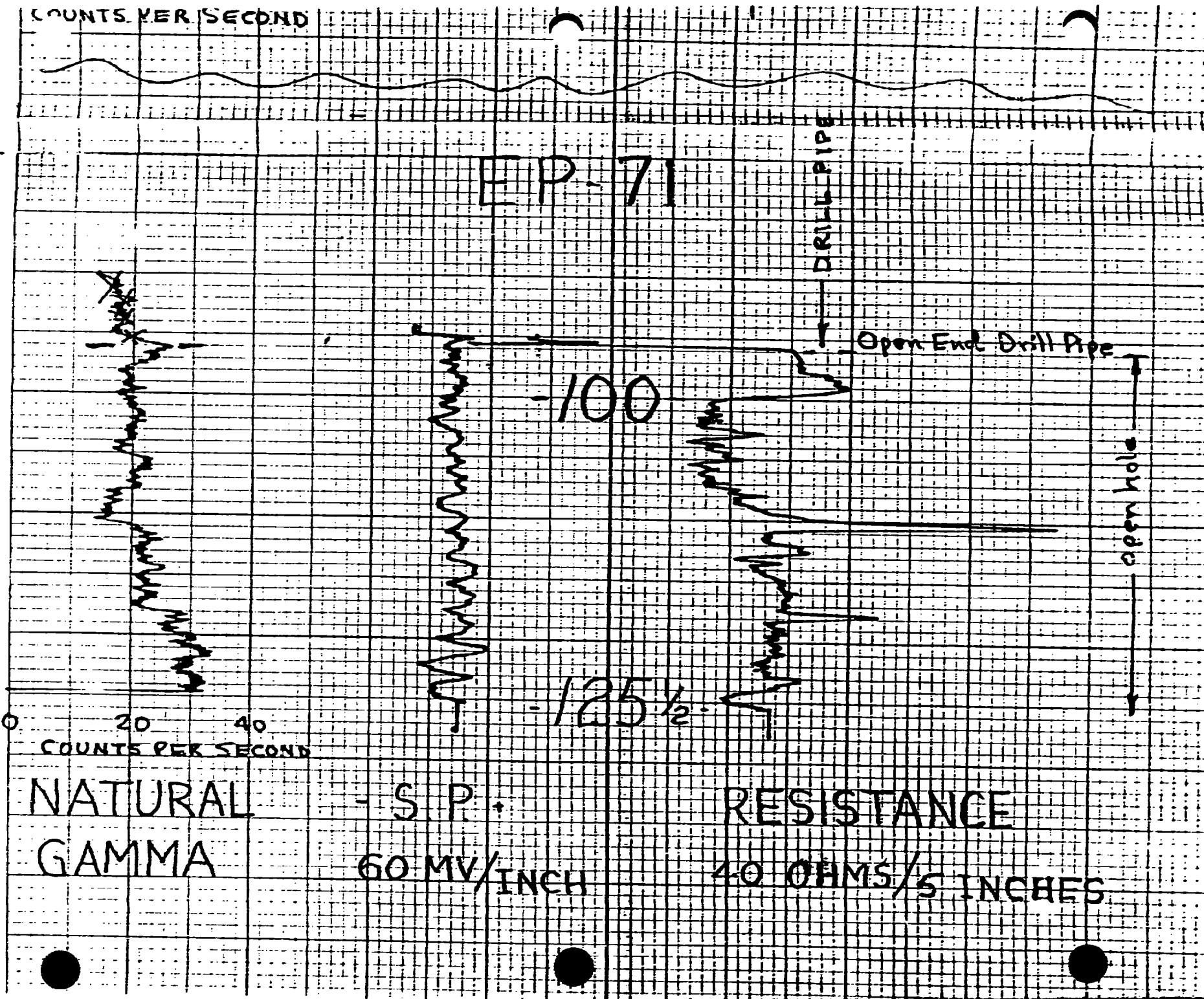
- 60 MV +

RESISTANCE

40 OHMS/ 5 Inches




FRONTIER LOGGING CORPORATION
-100-
-115½-
0 20 40
COUNTS PER SECOND


COUNTS PER SECOND
EP-71
DRILL PIPE
Open End Drill Pipe
100
125½
Open Hole
0
20
40
COUNTS PER SECOND
NATURAL GAMMA
- S P +
60 MV/INCH
RESISTANCE
40 OHMS/5 INCHES

No. GC 13142

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7338 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole EP-71D1 Well 22337 SP 22079

Project Name and Location RMI MW INSTALLATION / SE, NE SECT. 22 Project Number 7058.44

Drilling Company ROCKY MOUNTAINS Driller BOB RANCH / DON IRVINE Rig Number FALCON 1500

Drilling Method(s) ROTARY

Borehole Diameter 11½ in. ____ cm. 0 ft. ____ cm. to 29.2 ft. ____ cm.
7⅞ in. ____ cm. 29 ft. ____ cm. to 86.5 ft. ____ cm.

Size(s) and types of Bit(s) 11½" blade bit
7⅞" blade bit

Size and Type PVC 4" Schedule 40

Total Borehole Depth 86.10 ft. ____ cm.

Depth to Bedrock — ft. ____ cm.

Depth to Water N/A ft. ____ cm.

Water Level Determined By N/A

Length Plain PVC (total) 76.77 ft. ____ cm.

Length of Screen 10.93 ft. ____ cm.

Total Length of Well Casing 87.70 ft. ____ cm.

PVC Stick Up 1.59' ft. ____ cm.

Depth to Bottom of Screen 86.11 ft. ____ cm.

Depth to Top of Screen 75.18 ft. ____ cm.

Depth to Top of Sand 69.20 ft. ____ cm.

Depth to Top of Bentonite 64.40 ft. ____ cm.

Sampling Method(s) Not Sampled (See EP-71 Logs)

Date/Time Start Drilling 12/22/87 0900

Date/Time Finish Drilling 01/06/88 1410

Date/Time Start Completion 01/06/88 1430

Date/Time Cement Protective Casing 12/23/87 1115

Materials Used 3.00 ft 8⅝" OD STEEL CASING

Plain PVC (7) 10 ft sections + 1.00, 0.77 ft.

Slotted PVC 4 Endcaps = 10.93' (1 10 ft sect.)

Bentonite Pellets 3 bags (50 lb)

Bentonite Granular ~19 bags (145 lb)

Cement 14 bags

Sand 4 bags

Water added during completion 0

Water added during drilling 0

Total Gallons of water added 0

Drill Site Geologist [signature] Date 01/07/88

Weep hole: 2-inch / 1000 psi sand pack

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed PAD 3/21/88 [illegible]

Date/Time/Personnel Casing Painted 3/21/88 1410 SPARR

Date/Time/Personnel Numbers Painted 3/23/88 1450 BW-212

Materials Used 1 bags of cement

Top of Protective Casing to Top of PVC 2.41 ft. ____ cm.

Top of Protective Casing to Weep Hole 1.05 ft. ____ cm.

Top of Protective Casing to Internal Mortar 1.61 ft. ____ cm.

Top of Protective Casing to Top of Cement Pad 1.66 ft. ____ cm.

Top of Protective Casing to Ground Level 2.20 ft. ____ cm.

COMMENT/NOTES

5' steel casing stick up = 2.00'

Reviewed By [signature] Date 4/1/88

Drill Site Geologist [signature] Date 4/22/88

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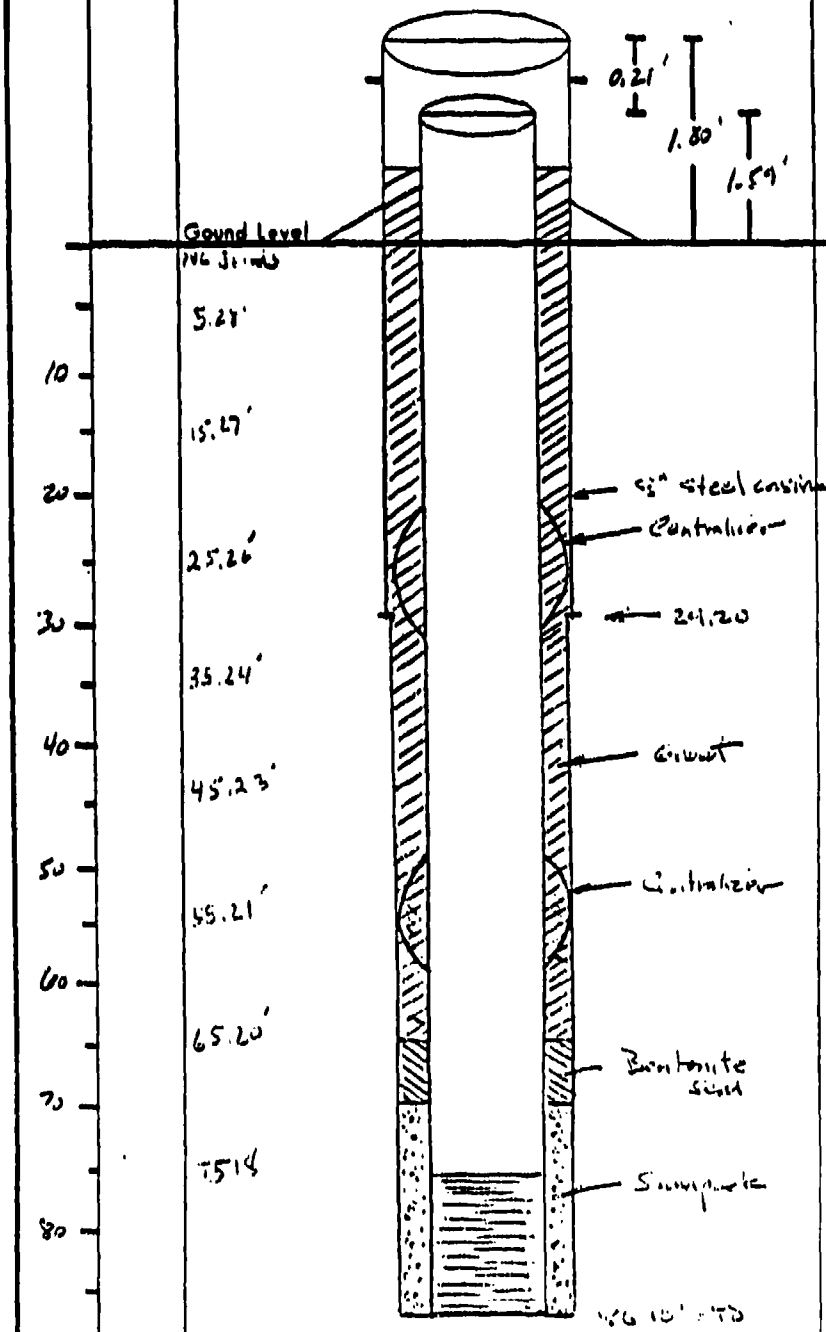
Borehole: EP-71 P1 Well: ~~2257~~ SP 22079

Depth-Feet	Soil/Rock Type	Well Completion	Description



Drill Site Geologist: _____ Date: 5/08/89

Reviewed By: _____ Date: 11/1/89

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WELL DEVELOPMENT DATA

Bore EP-71D1 Well 22079

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3/9/88
Date Installed 01/06/88
Personnel (Name/Company) [illegible]/ESE RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11½ in. 0 ft. to 20.2 ft.; 7⅞ in. 24 ft. to 86.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 5 GPM
Screen Interval 75.18 ft. to 86.11 ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.59 ft.
Measured Well Depth TOC (Initial) 76.60 ft. (Final) 82.9 ft.
Bottom of Screen (Below G.L.) 86.11 ft.

Water Level TOC/Date/Time (Initial) 22.65 / 3-9-88 / 1010
(after 24 hrs.) 36.6 / 4-4-88 / 1215

Feet of Water in Well 53.95 ft. x 0.653 gallons/foot = 35.23 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
* One Purge Volume 49.23 → 50 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 250 gallons
Added Water Ø gallons
Total Purge Volume 140 gallons
Casing/Anulus Volume 35.23 gallons
Volume Measured By 55 GALLON BARREL
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ21 SN [illegible]
pH 7.00 = 7.01 at 18.2 °C, pH 10.00 = 10.08 at 18.3 °C
Conductance Meter Used: YSI MODEL 33 SN [illegible]
Standard 1413 umhos/cm at 25°, Reading 14.2 umhos/cm at 25 °C

Purge Volume (gallons)	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	1624	14.6	11.84	1452	muddy, viscous w/ gray silt, black claystone chips
10	1628	13.1	11.33	1026	very cloudy w/ gray silt, less viscous, black claystone grains
20	1633	13.4	11.36	1000	very cloudy w/ gray silt, less viscous, black claystone grains
30	1639	13.1	11.44	1081	very cloudy w/ [illegible] less [illegible] black claystone [illegible]
Final					

Pump is packed w/ gray clay upon removal.
Sandpack = 86.11 = Bot. of Screen; 64.20 = Top of Sand
Remarks: Pump in 1619 Pump off @ 1634 for recharge / [illegible] = 4 gal
[illegible] 1 1648 [illegible] well depth [illegible] 77.15 [illegible]
[illegible] Well still has 7.85 ft of clay in bottom.

* 1 Purge vol. 35.23 casing vol
\+ 14 gal sandpack vol.
49.23 → 50

Collected by [signature] 3/[illegible]/88
Signature Date

Checked by ____________
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-7101 Well 22079

Project RMA - OU POST Project Number Task 44

Date(s) Developed 3-10-88 Date Installed 01-06-88

Personnel (Name/Company) DLW/ESE
RR/ESE BW/ESE

Well Diameter (I.D.) 4" in.

Anulus Diameter 11 1/2 in. 0 ft. to 29.2 ft.
7 7/8 in. 29 ft. to 86.5 ft.

Rig Used ESE Well Service Truck

Pump (Type/Capacity) Grundfos / 5GPM

Screen Interval 75.15 ft. to 86.11 ft.

Bailer (Type/Capacity) N/A ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 1.59 ft.

Measured Well Depth TOC (Initial) 76.60 ft. Bottom of Screen (Below G.L.) 86.11 ft.
(Final) 97.9 ft.

Water Level TOC/Date/Time (Initial, 22.65 / 3-9-88 / 1610
(after 24 hrs.) 36.6 / 4-4-88 / 1215

Feet of Water in Well 53.95 ft. x 0.653 gallons/foot = 35.23 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 50 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 250 gallons

Added Water 0 gallons Total Purge Volume 140 gallons

Casing/Anulus Volume 35.23 gallons Volume Measured By 55 Gal. Barrel

Surge Technique Raise/Lower Pump

Calibration: pH Meter Used: Beckman 021 SN # 116344
pH 7.00 = 7.16 at 9.1° °C, pH 10.00 = 10.19 at 9.5° °C
Conductance Meter Used: YSI Model 32 SN # 2603
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	30	11:53	9.3°	10.14	3060	Muddy, [illegible] Gray silt, black [illegible]
(5)	35	11:56	10.2°	9.99	3250	white, cloudy, [illegible] silt, [illegible]
(14)	14	12:01	12.1°	10.27	2700	[illegible] with [illegible]
Final					

Remarks: Water level = 54.34, measured with depth to clear rock = 78.
Pump On 1150 / Pump off for recharge 1200 / 1350 [illegible]
[illegible]

1 Purge Vol = 35.23 casing
14.23 Sandpack
49.23 [illegible]

35

Collected by [signature] 3/10/88
Signature Date

Checked by _____
Signature Date

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WELL DEVELOPMENT DATA

Bore EP71D1 Well 22079

Project RMA on-Post
Date(s) Developed 3-10-88
Personnel (Name/Company) RR/ESE BW/ESE

Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos / 5 GPM
Bailer (Type/Capacity) N/A
Water Source RMA
Measured Well Depth TOC (Initial) 76.60 ft.
(Final) 87.9 ft.

Project Number Task 44
Date Installed 01-06-88
Well Diameter (I.D.) 6 in.
Anulus Diameter 11½ in. 0 ft. to 29.2 ft.
7 7/8 in. 29 ft. to 86.5 ft.
Screen Interval 75.18 ft. to 86.11 ft.
___ ft. to ___ ft.
Casing Height (Above G.L.) 1.59 ft.
Bottom of Screen (Below G.L.) 86.11 ft.

Water Level TOC/Date/Time (Initial) 22.65 / 3-9-88 / 1610
(after 24 hrs.) 36.6 / 4-4-88 / 1215

Feet of Water in Well 53.95 ft. x .653 gallons/foot = 35.23 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water ∅ gallons
Casing/Anulus Volume 35.23 gallons

* One Purge Volume 50 gallons
Minimum Purge Volume 250 gallons
Total Purge Volume 146 gallons
Volume Measured By 55 Gal. barrel
Surge Technique Raise and lower pump

Calibration: pH Meter Used: Beckman ∅ 21 SN: 016344
pH 7.00 = 7.04 at 13.3 °C, pH 10.00 = 10.14 at 13.33 °C
Conductance Meter Used: YSI Model 33 SN 2603
Standard 1413 umhos/cm at 25°, Reading 1411 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 44	1009	9.3	9.11	3990	Muddy w/ gray silt and black clay
(5) 49	1014	9.7	9.43	4580	Cloudy w/ silt and fine sand
(9) 53	10.7	9.4	9.20	4550	Becoming less cloudy w/ gray silt & sand
Ignored					
Final					

~~57.53~~ 57.53 w/ Sump

Remarks: Water level = 69.10 well depth = 83, Shut pump 1016 ... dewatered in 9 gallons

1 Purge Vol = 35.23 casing
14.00 Sump
49.23

Collected by [illegible] [illegible]
Signature Date

Checked by
Signature Date

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WELL DEVELOPMENT DATA

Bore ER-7D1 Well 32079

Project RMA ON-LOST Project Number TASK 44

Date(s) Developed 3/14/88 Date Installed 01/06/88

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

BW/ESE

Rig Used ESE WATER SERVICE TRUCK Anulus Diameter 11½ in. 0 ft. to 29.2 ft.

7⅞ in. 29 ft. to 86.5 ft.

Pump (Type/Capacity) GRUNDFOS / 50PM Screen Interval 75.18 ft. to 86.11 ft.

Bailer (Type/Capacity) N/A ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.57 ft.

Measured Well Depth TOC (Initial) 76.60 ft. Bottom of Screen (Below G.L.) 86.11 ft.

(Final) 87.9 ft.

Water Level TOC/Date/Time (Initial) 22.65 / 3-9-88 / 1610

(after 24 hrs.) 36.6 / 4-4-88 / 1215

Feet of Water in Well 53.95 ft. x 0.653 gallons/foot = 35.23 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 50 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 350 gallons

Added Water 0 gallons Total Purge Volume 146 gallons

Casing/Anulus Volume 35.23 gallons Volume Measured By SEE ORION SIMPLE

Surge Technique RATE/SURGE PUMP

Calibration: pH Meter Used: ORION SA 230 SN:

pH 7.00 = 7.00 at 23.8 °C, pH 10.00 = 10.000 at 10.1 °C

Conductance Meter Used: ESE MODEL 32 SN: 2002

Standard 1413 umhos/cm at 25°, Reading 1415 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 53	0933	10.8	8.73	4980	Very cloudy w/ gray silt + clay some clay-size grains
58	0937	11.1	8.00	5040	cloudy w/ more gray-brown silt/clay-size grains
63	0940	11.2	8.12	5110	cloudy w/ less silt
68	0943	11.0	8.11	5080	cloudy w/ less silt - clearing
73	0946	12.1	8.57	4940	cloudy w/ gray-brown silt - less silt
Final 77	0949	12.1	8.00	4810	cloudy w/ gray-brown silt

DEWATERED IN 24 MINUTES

Remarks: Water level = 48.50 0920 Pump / surge pump

Measured total depth = 87.9'

* 1 Purge vol = 35.23 casing
14.0 Equipment
49.23 = 50 gal.

Collected by [signature] 3/14/88
Signature Date

Checked by
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-71D1 Well 22079

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3/15/88
Date Installed 1-6-88
Personnel (Name/Company) DW/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11½ in. 0 ft. to 24.2 ft.
7⅞ in. 24 ft. to 86.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 75.18 ft. to 86.11 ft.
Bailer (Type/Capacity) 3.85" x 2.0'
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.57 ft.
Measured Well Depth TOC (Initial) 76.60 ft. (Final) 87.9 ft.
Bottom of Screen (Below G.L.) 86.11 ft.
Water Level TOC/Date/Time (Initial) 22.65 / 3-9-88 / 1610
(after 24 hrs.) 36.6 / 4-4-88 / 1215
Feet of Water in Well 53.95 ft. x .653 gallons/foot = 35.23 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 50 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 250 gallons
Added Water Ø gallons
Total Purge Volume 140 gallons
Casing/Anulus Volume 35.23 gallons
Volume Measured By 55 gallon barrel / 5 gal. bucket
Surge Technique BAILING

Calibration: pH Meter Used: ORION SA 230 SN 1064
pH 7.00 = 7.00 at 10.3 °C, pH 10.00 = 10.00 at 11.0 °C
Conductance Meter Used: YSI MODEL 32 SN: 2003
Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 77	1002	12.4	8.29	5170	very cloudy w/ gray silt sand gray clay chunks
83	1016	12.8	8.56	5080	very cloudy w/ much gray silt settling out
87	1023	12.5	8.64	5010	very cloudy w/ much gray silt - settling out
92	1030	12.5	8.74	4930	same as above
98	1039	12.5	8.86	4850	[illegible]
Final					[illegible]

Dewatered @ 24 gallons / recharge [illegible]

Remarks: Water level = 64.94 Measured total depth - 87.85 (S[illegible]) [illegible]
[illegible]

* [illegible] 35 casing
140 [illegible]
219.23 => 5 gal.

Collected by [illegible] 3/15/88
Signature Date

Checked by
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-7(D)1 Well 22079

Project RMA OU-10CT Project Number TA SVE 44

Date(s) Developed 3-16-88 Date Installed 1-6-88

Personnel (Name/Company) DW/ESE Well Diameter (I.D.) 4 in.

BW/ESE Anulus Diameter 11½ in. 0 ft. to 29.2 ft.

Rig Used ESE WELL SERVICE TRUCK 7⅞ in. 29 ft. to 80.5 ft.

Pump (Type/Capacity) N/A Screen Interval 75.18 ft. to 85.11 ft.

Bailer (Type/Capacity) 3.85" x 2.0' ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 1.57 ft.

Measured Well Depth TOC (Initial) 76.60 ft. Bottom of Screen (Below G.L.) 80.11 ft.

(Final) 87.9 ft.

Water Level TOC/Date/Time (Initial) 22.65 / 3-9-88 / 1610

(after 24 hrs.) 36.6 / 4-4-88 / 1215

Feet of Water in Well 53.95 ft. x .1653 gallons/foot = 35.23 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 50 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 250 gallons

Added Water 0 gallons Total Purge Volume 146 gallons

Casing/Anulus Volume 35.23 gallons Volume Measured By 5 GAL. BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: ORION SA 230 SN: 1064

pH 7.00 = 7.00 at 26 °C, pH 10.00 = 10.00 at 8.0 °C

Conductance Meter Used: YSI model 32 SN: 2003

Standard DW 1413 / 1000 umhos/cm at 25°, Reading DW 1417 / 1003 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 98	0925	10.6	8.21	5340	cloudy w/ gray silt
103	0938	9.6	8.34	5270	very cloudy w/ gray silt settling out
108	0955	8.5	8.37	5220	very cloudy w/ much gray silt settling out
113	1009	10.9	8.41	5150	very cloudy w/ much gray silt settling out
118	1024	10.1	8.62	5070	very cloudy w/ much gray silt settling out
Final					DW

Remarks: Water level = 65.07 Developed in ~2½ gallons but has 0.20 GPM recharge Measured TD = 87.5' Used bladder pump to complete

1 Purge vol 35.23 casing
140 available
44.23 = 50 gal

Collected by _____ Signature 3/16/88 Date

Checked by _____ Signature Date

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WELL DEVELOPMENT DATA

Bore EP-7101 Well 22079

Project RMA ON-POST — Project Number TASK 44

Date(s) Developed 3-14-88 — Date Installed 1-6-88

Personnel (Name/Company) DW/ESE BW/ESE RE/ESE — Well Diameter (I.D.) 4 in.

Anulus Diameter 11½ in. 0 ft. to 29 ft.; 7⅞ in. 29 ft. to 86.5 ft.

Rig Used ESE Well Service Truck

Pump (Type/Capacity) N/A — Screen Interval 75.18 ft. to 80.11 ft.; ___ ft. to ___ ft.

Bailer (Type/Capacity) 3.85" x 2.0'

Water Source RMA — Casing Height (Above G.L.) 1.57 ft.

Measured Well Depth TOC (Initial) 76.60 ft. (Final) 81.9 ft. — Bottom of Screen (Below G.L.) 80.11 ft.

Water Level TOC/Date/Time (Initial) 22.65 / 3-9-88 / 1610

(after 24 hrs.) 36.6 / 4/4/88 / 1205

Feet of Water in Well 53.95 ft. x .653 gallons/foot = 35.23 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons — * One Purge Volume 50 gallons

Purge Water Lost N/A gallons — Minimum Purge Volume 250 gallons

Added Water 0 gallons — Total Purge Volume 146 gallons

Casing/Anulus Volume 35.23 gallons — Volume Measured By 5 gal. bucket

Surge Technique Bailing

Calibration: pH Meter Used: ORION SA 230 S/N 1064

pH 7.00 = 7.00 at 37 °C, pH 10.00 = 10.00 at 37 °C

Conductance Meter Used: YSI Model 32 S/N 2601

Standard 1413 umhos/cm at 25°, Reading 1411 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 118	0850	10.9	8.02	5210	Slightly cloudy, some brown silt
128	0907	11.7	8.05	5270	Slightly cloudy, some brown silt.
133	0916	11.7	8.04	5780	Cloudy w/ brown silt
140	0925	11.8 ~~12.0~~	8.12	5210	Very cloudy w/ brown silt [illegible]
Final 146	0944	11.8	8.51	5080	Very cloudy w/ brown silt [illegible]
~~Final~~ DW					

Dewatered in 28 gallons. DEVELOPMENT FINALIZED AFTER 3 CONSECUTIVE SMALL DEWATERINGS

Remarks: Water Level = 55.22 0836 Begin Bailing / 0942 Finish bailing

[illegible] = 37.38 (Water level = [illegible] @ 0946 [illegible])

[illegible] recharge [illegible]

* Purge [illegible] casing + [illegible] = 49.23 → 50 gallons

Collected by [illegible] Signature Date

Checked by ________ Signature Date

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ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole EP-71 D2 Well 22080

Project Name and Location RMA MW Installation / SE, NE SEC. 22 Project Number TASK 44

Drilling Company Bayles Bros. Driller Bob Roush Rig Number Failing 1500

Drilling Method(s) Rotary

Borehole Diameter 11 3/4 in. ____ cm. 0 ft. ____ cm. to 91 ft. ____ cm.
7 7/8 in. ____ cm. 91 ft. ____ cm. to 102 ft. ____ cm.

Size(s) and types of Bit(s) 11 3/4" blade bit, 7 7/8" blade bit

Size and Type PVC 4" Schedule 40

Total Borehole Depth	102.8 ft. ____ cm.	Sampling Method(s)	Not Sampled (See EP-71 core hole)
Depth to Bedrock	— ft. ____ cm.	Date/Time Start Drilling	1-11-88 / 0917
Depth to Water	— ft. ____ cm.	Date/Time Finish Drilling	1-13-88 / 1215
Water Level Determined By	—	Date/Time Start Completion	1-13-88 / 1345
Length Plain PVC (total)	97.19 ft. ____ cm.	Date/Time Cement Protective Casing	1-12-88 / 1015
Length of Screen	5.81 ft. ____ cm.	Materials Used	93.99' 8" Steel casing
Total Length of Well Casing	103.70 ft. ____ cm.	Plain PVC	10 sections (97.89') Schedule 40-4
PVC Stick Up	2.0 ft. ____ cm.	Slotted PVC	(1) 5' section + endcap = 5'
Depth to Bottom of Screen	101.70 ft. ____ cm.	Bentonite Pellets	1.5 buckets
Depth to Top of Screen	95.89 ft. ____ cm.	Bentonite Granular	7.7 bags (50 lb bags)
Depth to Top of Sand	92.88 ft. ____ cm.	Cement	37 bags (90 lb bags)
Depth to Top of Bentonite	85.68 ft. ____ cm.	Sand	1.5 bags (90 lb bags)
		Water ~~added~~ circulated during completion	± 100 gallons
		Water added during drilling	∅
		Total Gallons of water added	∅

Drill Site Geologist _____ Date 01/14/88

Weep hole 3-14-88 / 1330 / SMP 2W

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed PAD 3-08 [illegible]

Date/Time/Personnel Casing Painted 3/21/88 1000 SMP RR

Date/Time/Personnel Numbers Painted 3/23/88 1450 [illegible]

Materials Used 10 bags asbestos

Top of Protective Casing to Top of PVC	0.10 ft. ____ cm.	COMMENT/NOTES	
Top of Protective Casing to Weep Hole	1.40 ft. ____ cm.	8" Steel casing stickup = 2.0	
Top of Protective Casing to Internal Mortar	1.45' ft. ____ cm.		
Top of Protective Casing to Top of Cement Pad	1.40' ft. ____ cm.		
Top of Protective Casing to Ground Level	2.10 ft. ____ cm.		

Reviewed By _____ Date _____

Drill Site Geologist _____ Date 04/14/88

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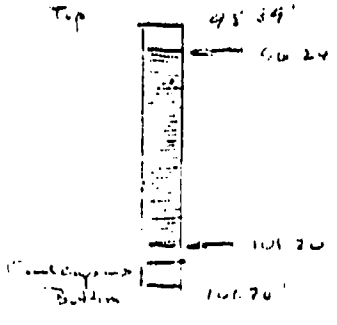
Borehole: EP-7102 Well: 22080

Depth-Feet	Soil/Rock Type	Well Completion	Description
		0.10' / 2.10' / 2.10'	
		Ground Level	
		PVC Surface 5.91'	
10		15.40'	
20		Centralizer 25.10'	Centralizer @ 30.49'
30		Grout 35.49'	
40		45.89'	
50		8" Steel casing 55.49'	
60		Centralizer 65.99'	Centralizer @ 68.9'
70		75.92'	
80		86.41'	8" steel casing set to 91.14'
90		Bentonite Seal 91.14' (steel) 95.89'	Top of Bentonite = 85.08'
100		Sandpack	Top of Sand = 92.89'
110		102.3 = T.D.	Top of Screen = 95.89'
			Actual Screened interval = 96.24 - 101.20'
			Bottom of Screen = 101.70'
			Total Borehole depth = 102.3

Screen detail:



Drill Site Geologist: _____ Date: 11/14/91

Reviewed By: _____ Date: 11/15/91

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-71D2 Well 22050

Project RMA - ON-POST Project Number TASK 44

Date(s) Developed 3-9-88 Date Installed 1/13/88

Personnel (Name/Company) RR/ESE BW/ESE Well Diameter (I.D.) 4" in.

Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.
7 7/8 in. 91 ft. to 102 ft.

Rig Used ESE W&W SERVICE TRUCK Screen Interval 95.89 ft. to 101.70 ft.
ft. to ft.

Pump (Type/Capacity)

Bailer (Type/Capacity)

Water Source RMA Casing Height (Above G.L.) 2.0 ft.

Measured Well Depth TOC (Initial) 102.5 ft. Bottom of Screen (Below G.L.) 101.70 ft.
(Final) 103.85 ft.

Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510 / RR
(after 24 hrs.) 43.7 / 4-4-88 / 1443

Feet of Water in Well 66.4 ft. x 0.653 gallons/foot = 43.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 52. gallons

Purge Water Lost N/A gallons Minimum Purge Volume 256. gallons

Added Water 0 gallons Total Purge Volume 139 gallons

Casing/Anulus Volume 43.36 gallons Volume Measured By 55 GALLON BARREL

Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: Beckman φ 21 pH Meter S/N 016344
pH 7.00 = 7.02 at 20.0 °C, pH 10.00 = 10.07 at 19.7 °C
Conductance Meter Used: YSI Model 33 S/N 2603
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	1521	14.6	12.32	6070	cloudy w/ floating bubbles & fine sand
10	1524	13.4	12.16	5200	becoming clearer w/ fine sand and silt
20	1528	14.0 / 12.30	12.20	5200	mostly clear w/ fine sand
30	1537	14.6	12.23	4110	clear w/ fine sand
40	1545	14.1	12.40	3720	clear
~~Final~~ 42	1558	15.0	12.38	3730	clear

Well developed in 42 gallons

Sand pack = 101.70 - 72.00 = 29.70 ft. Top of sand pack

Remarks: Water level = 36.10 Start pumping @ 1510
Pump off @ 1515 for recharge Pump on 1535 @ 1537

* 1 Purge vol: 43.36 casing vol
+ 8 gal. sand pack vol
51.35

Collected by _____ signature _____ date

Checked by _____ signature _____ date

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WELL DEVELOPMENT DATA

Bore EA 71D2 Well 22080

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3/10/88
Date Installed 1/13/88
Personnel (Name/Company) DW/ESE
RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 7/8 in. 0 ft. to 91 ft.
7 5/8 in. 91 ft. to 102 ft.
Rig Used ESE WELL SERVICE TRUCK
Screen Interval 95.89 ft. to 101.78 ft.
Pump (Type/Capacity) GRUNDFOS / 5GPM
____ ft. to ____ ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 2.0 ft.
Measured Well Depth TOC (Initial) 102.5 ft.
(Final) 103.85 ft.
Bottom of Screen (Below G.L.) 101.70 ft.
Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510
(after 24 hrs.) 43.7 / 4-4-88 / 1443
Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 52 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 256 gallons
Added Water 0 gallons
Total Purge Volume 139 gallons
Casing/Anulus Volume 43.36 gallons
Volume Measured By 55 GALLON BARREL
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN ϕ 71 SN: 016744
pH 7.00 = 7.10 at 3.3 °C, pH 10.00 = 10.28 at 2.9 °C
Conductance Meter Used: YSI MODEL 32 SN: 2603
Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 42	1430	10.6	12.17	5710	cloudy w/ gray silt, v fine sand, small grains of scale
(10) 52	1433	9.9	12.06	5180	pretty cloudy, some fine sand & scale grains.
(15) 57	1435	10.02	12.08	5170	slightly cloudy, some silt (gray)
(17) 59	1439	9.3	12.13	5160	slightly cloudy - gray - very little sediment
					no laboratory
Final					

Remarks: Water level = 72.61 Measured well depth = 103.69'
Pump on 1425 / 1438 Pump off DEWATERED IN 17 GALLONS.

* 1 Purge vol. = 43.4 casing vol
+ 7 Sandpack vol.
51.35 => 52 gallons

Collected by _____ Signature _____ Date
Checked by _____ Signature _____ Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP 71 D2 Well 22080

Project RMA On-Post
Project Number Task 44
Date(s) Developed 3-11-88
Date Installed 1-13-88
Personnel (Name/Company) RR/ESE BW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.
9 7/8 in. 91 ft. to 102 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Grundfos / 5 GPM
Screen Interval 95.8 ft. to 101.70 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 2.0 ft.
Measured Well Depth TOC (Initial) 102.5 ft.
Bottom of Screen (Below G.L.) 101.70 ft.
(Final) 103.85 ft.
Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510
(after 24 hrs.) 43.7 / 4-4-88 / 1443
Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 52 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 256 gallons
Added Water ϕ gallons
Total Purge Volume 139 gallons
Casing/Anulus Volume 43.36 gallons
Volume Measured By 55 Gallon Barrel
Surge Technique Raise/lower Pump

Calibration: pH Meter Used: Beckman ϕ 21 SN: 016344
pH 7.00 = 7.04 at 13.3 °C, pH 10.00 = 0.14 at 13.3 °C
Conductance Meter Used: YSI Model 32 SN 2603
Standard 1413 umhos/cm at 25°, Reading 1411 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 59	1052	10.4	1194	5040	Cloudy [illegible] silt, [illegible] Sand, Small amount
(5) 64	1056	10.4	1215	5240	Slightly cloudy [illegible]
[illegible] 68	1059	10.3	1195	5060	[illegible]
Final					

Remarks: water level = 91.39 [illegible] [illegible] gallons

[illegible] Purge Vol. = 43.4 [illegible]
[illegible] Sand pack
51.4 → 52 gallons

Collected by [illegible] 3-11-88
Signature Date

Checked by
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-71D2 Well 22080

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 3-14-88 Date Installed 1-13-88

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

BW/ESE Anulus Diameter 10 3/4 in. 0 ft. to 91 ft.

Rig Used ESE WELL SERVICE TRUCK 7 7/8 in. 91 ft. to 102 ft.

Pump (Type/Capacity) GRUNDFOS / 50PM Screen Interval 85.89 ft. to 101.70 ft.

Bailer (Type/Capacity) N.A ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 2.0 ft.

Measured Well Depth TOC (Initial) 102.5 ft. Bottom of Screen (Below G.L.) 101.70 ft.

(Final) ____ ft.

Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510

(after 24 hrs.) 43.7

Feet of Water in Well 66.4 ft. x .6528 gallons/foot = 43.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 52 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 256 gallons

Added Water 0 gallons Total Purge Volume 139 gallons

Casing/Anulus Volume 43.36 gallons Volume Measured By 55 GALLON BARREL

Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: ORION SA 230 SN: 1064

pH 7.00 = 10.00 7.00 at 14.0 °C, pH 10.00 = 10.00 at 14.6 °C

Conductance Meter Used: YSI MODEL 32 SN 6003

Standard 1413 umhos/cm at 25°, Reading 1409 umhos/cm at 23° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 68	1046	12.7	12.08	6110	murky clear w/ some brown silt & fine sand
73	1049	12.6	11.60	5040	clear, a few v. fine sand grains
83	1056	~~12.5~~ 12.5	11.53	4680	clear, no sediment
85	1101	12.5	11.59	4660	very slightly cloudy w/ fine suspended sand, black magnetite
Final					

Discontinued at 17 gallons

Remarks: Water level = 65.66 Pump on 1041 / Pump off 1102.

Measured total depth = 103.75

* 1 Purge vol. 43.4 casing vol.
x sand pack
51.4 ⇒ 52 gallons

Collected by _____ Signature 3/14/88 Date

Checked by _____ Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0636

WELL DEVELOPMENT DATA

Bore GP-71D2 Well 22080

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 2/15/88 Date Installed 1-13-88

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

BW/ESE Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.

Rig Used ESE WELL SERVICE TRUCK 7 7/8 in. 91 ft. to 102 ft.

Pump (Type/Capacity) N/A Screen Interval 95.59 ft. to 101.79 ft.

Bailer (Type/Capacity) 3.85" x 20' ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 2.0 ft.

Measured Well Depth TOC (Initial) 102.5 ft. Bottom of Screen (Below G.L.) 101.70 ft.

(Final) ____ ft.

Water Level TOC/Date/Time (Initial) 36.10 / 3-4-88 / 1510

(after 24 hrs.) ____

Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 52 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 256 gallons

Added Water 0 gallons Total Purge Volume 138 gallons

Casing/Anulus Volume 43.36 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: ORION SN 230 S/N: 1064

pH 7.00 = 7.00 at 12.1 °C, pH 10.00 = 10.00 at 13.2 °C

Conductance Meter Used: YSI MODEL 32 SN: 2603

Standard 1413 umhos/cm at 25°, Reading 1411 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 85	1137	13.8	11.74	5350	mostly clear, a few white pvc cuttings.
90	1144	12.9	11.50	4910	mostly clear w/ some bentonite cloudy white suspended sediment
95	1153	13.0	11.54	5000	clearing w/ suspended bentonite [illegible]
100	1217	12.7	11.50	4950	clearing w/ some suspended [illegible]
103	1223	12.6	11.45	5550	clearing w/ some [illegible]
Final					[illegible]

Dewatered on 18 gallons

Remarks: Tip reading: 25.55 ppm (TVA) water level = 90.34 measured total depth = 102.70

* 1 Pump vol. = 43.4 casing vol.
1/2 sandpack vol.
51.4 => 52 gallons

Collected by [signature] 3/15/88
Signature Date

Checked by ____
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP. 71D2 Well 22080

Project RMA ON-POST Project Number TASK 44

Date(s) Developed 3/16/88 Date Installed 1-13-88

Personnel (Name/Company) BW/ESE Well Diameter (I.D.) 4 in.

BW/ESE Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.

Rig Used ESE WELL SERVICE TRUCK 7 3/8 in. 91 ft. to 102 ft.

Pump (Type/Capacity) N/A Screen Interval 75.89 ft. to 101.70 ft.

Bailer (Type/Capacity) 3.85" X 2.0' ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 2.0 ft.

Measured Well Depth TOC (Initial) 103.5 ft. Bottom of Screen (Below G.L.) 101.70 ft.

(Final) ____ ft.

Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88 / 1510

(after 24 hrs.) ____

Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 52 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 256 gallons

Added Water 0 gallons Total Purge Volume 1304 gallons

Casing/Anulus Volume 43.36 gallons Volume Measured By 5 GAL. BUCKET

Surge Technique BAILING

Calibration: pH Meter Used: ORION SN 230 SN: 1064

pH 7.00 = 7.00 at 22 °C, pH 10.00 = 10.00 at 22 °C

Conductance Meter Used: YSI MODEL 32 SN: 2003

Standard ~~1413~~ 1000 umhos/cm at 25°, Reading 1003 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 103	1046	11.1	11.79	5600	Mostly clear, some suspended bentonite
108	1107	11.1	11.55	5040	Slightly cloudy w/ some silt & some suspended bentonite
113	1120	10.3	11.57	5030	Somewhat cloudy w/ gray silt - little suspended bentonite
117	1132	10.5	11.76	5040	cloudy w/ gray silt, some clay stone grains & some suspended bentonite
Final					D.W.

Remarks: Water level - 85.57 Recovered in 14 gallons - very little / no recharge

Measured TD: 103.74

* Purge vol. - 134 casing
- 52 sandpack
82 gal.

Collected by [signature] 3/16/88
Signature Date

Checked by ____
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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WELL DEVELOPMENT DATA

Bore EP-7102 Well 22080

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 3/18/88
Date Installed 1-13-88
Personnel (Name/Company) DLW, RK, BW (ESE)
Well Diameter (I.D.) 4 in.
Anulus Diameter 11 3/4 in. 0 ft. to 91 ft.; 7 7/8 in. 91 ft. to 102 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) N/A
Screen Interval 95.57 ft. to 101.70 ft.; ___ ft. to ___ ft.
Bailer (Type/Capacity) 3.85" X 2.0'
Water Source RMA
Casing Height (Above G.L.) 2.0 ft.
Measured Well Depth TOC (Initial) 102.5 ft. (Final) ___ ft.
Bottom of Screen (Below G.L.) 101.70 ft.
Water Level TOC/Date/Time (Initial) 36.10 / 3-9-88/1510
(after 24 hrs.) ___

Feet of Water in Well 66.4 ft. x .653 gallons/foot = 43.36 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
* One Purge Volume 52 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 256 gallons
Added Water 0 gallons
Total Purge Volume 139 gallons
Casing/Anulus Volume 43.36 gallons
Volume Measured By Small Bucket
Surge Technique Bailing

Calibration: pH Meter Used: ORION SA 230 S/N 1064
pH 7.00 = 7.00 at 11.4 °C, pH 10.00 = 10.01 at 11.7 °C
Conductance Meter Used: YSI MODEL 32 SN 2603
Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 117	0959	12.6	11.39	4840	clear
122	1010	12.7	11.49	4910	Clear
130	1038	12.9	11.65	4670	Slightly cloudy w/ some suspended bentonite & settled silt
FINAL 139	1104	12.6	11.95	5630	Cloudy w/ suspended bentonite & settled brown silt
Final					

FINALIZED DEVELOPMENT AFTER 3 CONSECUTIVE STABLE DEWATERINGS

Remarks: Water level = 76.45 (TOC) Dewatered in 22 gallons
Measured total depth = 103.72 (TOC)
The reading TOC) = 24.5 ppm; breathing zone = 0.0 ppm
* 1 Purge vol: 43.4 casing vol + [illegible] = 51.4 ≈ 52 gal.

Collected by [signature] 3/18/88
Signature Date

Checked by ___
Signature Date

EP-72

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

BOREHOLE SUMMARY LOG

Borehole EP-72 Well

Project Name and Location MW Installation X Project Number Task 44

Drilling Company Boyles Driller B. Roach Rig Number Failing 1500

Drilling Method(s) Continuous core

Size(s) and type(s) of bit(s) 3 7/8" Triconc bit, 12 1/4" auger

Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to 13.5 ft. ____ cm.

3 7/8 in. ____ cm. 13.5 ft. ____ cm. to 129 ft. ____ cm.

Sampling Methods Core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 11

Number of Gallons Lost Drilling Fluid 150

Date/Time Started Drilling 7-28-87 1010

Date/Time Completed Drilling 7-30-87 1054

Total Borehold Depth ____ ft. ____ cm.

Depth to Bedrock 10.5 ft. ____ cm.

Depth to Water -0- ft. ____ cm.

Water Level Determined By? —

Borehole Completed as Monitoring Well? NO

Date/Time Grouting Completed 7-31-87 0751

Depth of Tremmie Pipe 125'

Gallons of Grout 90

Materials Used 9 bags cement, 90 gals. water, 1 bag bentonite

Comments Hole grouted to surface

Wellsite Geologist C D Bowson Date 7-30-87

Checked for Grout Settlement on 8/5/87 by Steve Pass

Amount of Grout Added none needed

All Measurements from Ground Level

Reviewed by Steve Pass Date 2/8/19/88

Drill Site Geologist ____ Date ____

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Borehole: EP-72A Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1'	1 0.0' - 2.0'	1.9'/2.0'	SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL	CL	Clay, 30% silt, 10YR 4/4, dark yellowish brown, dry, stiff, low plastic ↓ ↓ ↓
2'						
3'	2 2.0' - 4.0'	1.85'/2.0'			CL	Clay, 15% silt, 10YR 6/4, light yellowish brown, dry, stiff, low plastic, calcareous porous ↓ ↓ ↓
4'						
5'	3 4.0' - 6.0'	1.5'/2.0'			SM	Silty Sand, 15% silty fine to medium grained sand, 3% coarse sand, 2.5Y 5/6, light olive brown, dry, medium dense, nonplastic
6'					CL	Clay, 20% sand, fine to coarse grained sand, 10YR 4/4, dark yellowish brown, dry, stiff medium plastic, very calcareous, (calc veins) sand grain size increases at 6.0' to very coarse sand and small gravel
7'	4 6.0' - 8.0'	1.6'/2.0'			CL	~~Clay, 25% sand~~, medium to very coarse grained sand, 5% small gravel, 10YR 8/4, very pale brown, dry, stiff, medium plastic, very calcareous, porous
8					SM	Silty Sand, 20% silt, 10% small gravel, fine to very coarse grained sand, 10YR 5/4, yellowish brown, dry, med. dense, non plastic very calcareous, ¼" CaCO3 lenses.
9	5 8.0' - 10.0'	2.0'/2.0'			CL	Clay, 20% silt, 15% Sand, fine to coarse grained, 5% small gravels, 10YR 8/3, very pale brown, dry, stiff, medium plastic very calcareous
10	6 10.0' - 12.0'	2.0'/2.0'			CL	Clay, 65 Sand, fine to coarse grained, 10YR 4/4 dark yellowish brown, dry, stiff, medium plastic, very calc... CaCO3 nodules (20%)

Drill Site Geologist: Steve Pace Date: 7/22/87

Reviewed By: Date:

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7338 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

Borehole: EP-72A Well Number: ____

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
10.5					CL	clay (see pg 1)
11	6 10.0'-12.0'	2.0'	SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL		Claystone bedrock, 5Y 4/2, olive gray, hard, moist, medium platte, very calcareous, ¼" to ½" $CaCO_3$ nodules
12	7 12.0'-13.3'	1.3'				
13						TOTAL DEPTH 13.3'

Drill Site Geologist: Steve Pace Date: 7/22/87

Reviewed By: ____ Date: ____

ESE, Inc. CORE LOG By CDB Date 7-31-81 BORE EP72 Well(s) ______ Page 1 of 6

Depth	Structure / Bedding (Desc)	Mineralogy	Color	Lith Char	Lith Class	Description / Comments (Scale 1" = 2 ft)
						Hole cased to 13.5, bedrock at 10.5 Alluvium dry --
13.5 – 14	massive	qtz 85% mica 5% FeOx staining pervasive	2.5y 6/4 lt. yellowish brown		SS	SANDSTONE poorly cemented/friable
18						5' SS
20 – 21						21.6 / 13.5 / 8.1
22	Fracs. 1-3 / 1' ⊥ to core axis	FeOx + MnO on fracs	2.5y 5/2 grayish brown	occas. Lithic frag. (rounded)	21.6' CL	CLAYSTONE
24						8.1' s.s / 2.7'
26						23 / 12 ; 22 / 12.5
28						16 / 22
30						

Rec/Int notes: 2.0/3.5; 3/5; 4.2/5; 5/5

EP-72 WELL(S)

ESE, Inc. CORE LOG By COB Date 7-3-87 BORE EP-7L Well(s) ——— Page 2 of 11

Box No.	Depth	Rec Int	Structure / Bedding: Angle	Desc	Mineralogy	Color	Lith Char	Lith Class	Description / Comments (Scale 1" = 2 ft)
	34	5.1/5		Massive (fracs: 1-2/1')	FeOx stains on fracs; MnO also on surfaces	2.5y 5/2 grayish brown		CL	CLAYSTONE
	36								
2	38	5.1/5							
	40								
					FeOx pervasive	2.5y 6/6 olive yellow	41' Clay 10%	SS	SANDSTONE
	42			Finely laminated		2.5y 5/2	42'	CL	claystone/interbed-
						2.5y 6/6 olive yellow	42.6'	SS	
					FeOx & MnO stains	2.5y 5/2 grayish brown	43	CL	CLAYSTONE
	44	3/5							
	46								
	48	2		fractures common ↓ rock weathered & fairly incompetent			48' silty 5%		slightly silty - 5%
3							49'		
	50	5/4							

WELL(S) EP-7L

B

E, Inc.

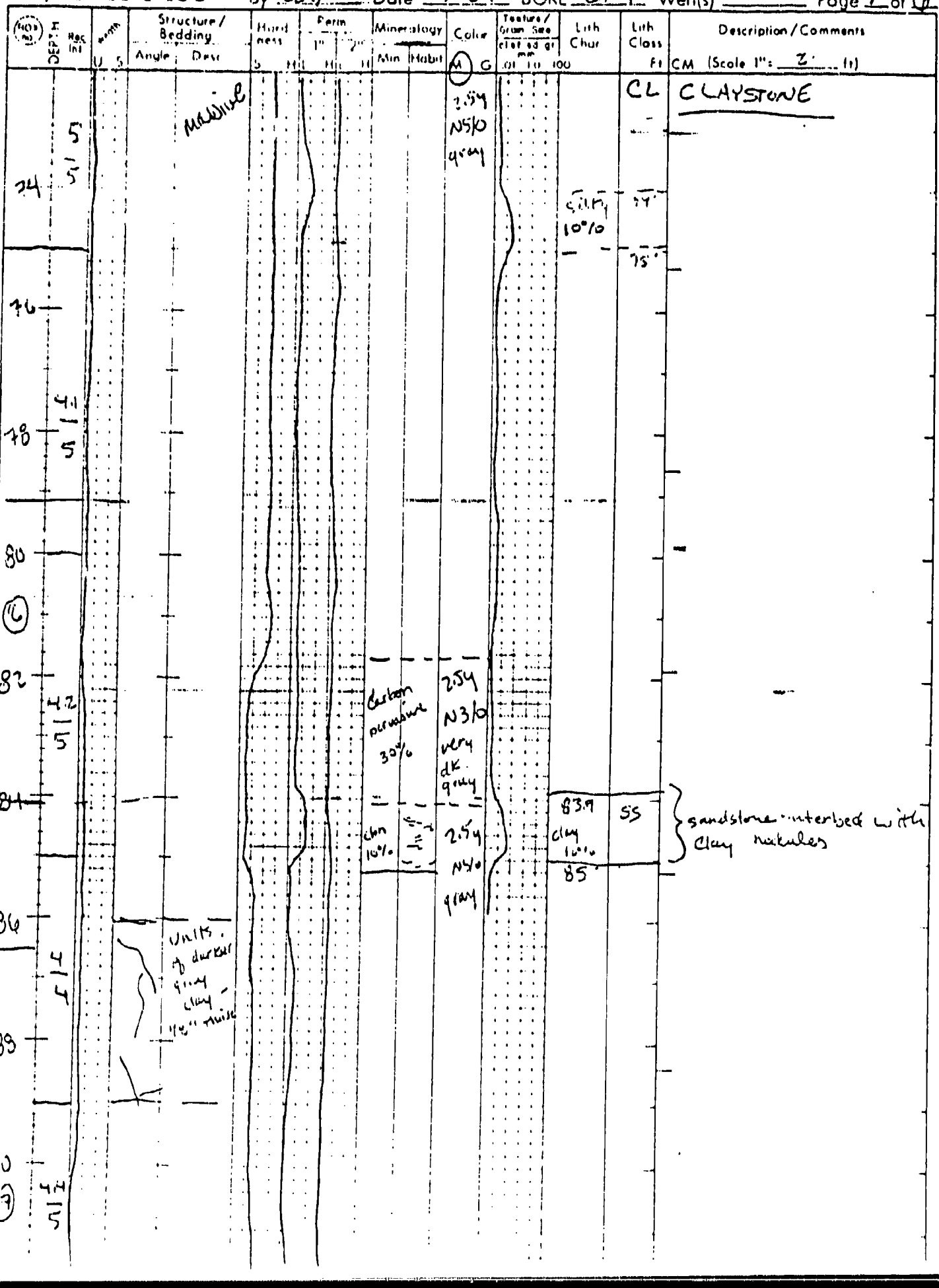
ESE, Inc. CORE LOG By CDP Date 7-31-87 BORE EP-72 Well(s) — Page 3 of 4

Run No.	Rec %	Rec Int	Structure/Bedding Angle	Structure/Bedding Dess	Hard nets	Perm.	Mineralogy Min	Mineralogy Habit	Color M	Color G	Texture/Grain Size	Lith Chas	Lith Class	Description/Comments (Scale 1": 2 ft)
														CLAYSTONE
				Mineralized 1-2 Fract. 1'			FeOx stains common on Fract.			2.5Y 5/2 grayish brown				
54	1/1		54.6	gouge 7"										Clayey - Fault gouge (?)
			54.7											
56														
58	5/5													
							occas (2%)							
60							Calc nodules in rock							
(4)														
62	4.2/5													
							Oxid FeOx stain (rusty rock nodules or coating)							
64				COD										
			64.5	gouge										Clayey - Fault gouge
			64.7											
				Mineralized						2.5Y N3/0 very dark gray				approx. oxidation boundary
66	5/5						clay traces							
68														
(5)														
70				bdg. irregular smooth										
											68.5 silty 30%	SS		SANDSTONE
											70.9	CL		CLAYSTONE

WELL(S) EP-72

ESE, Inc.

ESE, Inc. CORE LOG By CDB Date 7.31.87 BORE EP-72 Well(s) — Page 4 of 6



ESE, Inc. CORE LOG By CPB Date 7.31.87 BORE EP-72 Well(s) —— Page 5 of 6

Depth	Rec/Int	Structure/Bedding Angle	Structure/Bedding Desc	Mineralogy Min	Color	Lith. Char.	Lith. Class	Description/Comments (Scale 1" = 2 ft)
			massive	cbn 5%	2.5y N4/0 dark gray	92' silty 5% / 93.5	CL	CLAYSTONE
94								
96	4.8/5							
98								
100	5							
102 (8)	5			cbn frags		103' sand 5% / 104'	ST	SILTSTONE INTERBED SANDY
104								
106	5/5		cbn vnlt. ⊥ to core axis 1/8"	cbn		106'	VC	VOLCANICLASTIC ? Claystone, claystone lithic fragments, and Kspar (?)
108				cbn frags 2%	2.5y N6/0 lt gray	108' silt 5%, carbon 5%	SS	SANDSTONE
110 (9)	5/5		Finely bedded ⊥ to core axis			silt 10%		"clean" sandstone - fine, even texture, etc.

BORE EP-72 WELL(S)

Inc.

ESE, Inc. CORE LOG By COB Date 7-31-87 BORE EP-72 Well(s) — Page 6 of 6

Box no.	Depth	Rec. Int.	Sample U	Sample T	Structure/Bedding Angle	Structure/Bedding Desc	Hardness S	Hardness H	Perm. 1°	Perm. 2°	Mineralogy Min	Mineralogy Hist	Color M	Color G	Texture/Grain Size clst sd gr mm .01 .10 100	Lith. Char	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	114										abn frags 2%		2.5Y N4/0 gray to lt gray			silty 15% silt	55	SANDSTONE
																	114	texture change
	116															silt 10%	116.5	texture change
	118										con 2%		2.5Y N3/0 dk gray					
	120										abn 2%		2.5Y N4/0 gray to lt gray					
10		5																
	122																	
											abn pores (by frags)		2.5Y N4/0 dk gray					
	124																124.5 CL	CLAYSTONE
	126															silty 2%		
11		5				slides at 45° to core axis												
	128															sand-silt 10%	128	
	129																	Total Depth 129'

EP-72 WELL(S)

BORE

Inc.

Frontier Logging
Lakewood, Colorado

Company: ESE
Bore Hole: EP-72
Area/Project: RMA
County: ADAMS COUNTY
State: COLORADO
Section | Township | Range | Elevation
Log Measured From: Ground Level

Date: JULY 30, 1987
Driller Depth: 130 FT
Bit Size: 3 1/8"
Casing Depth: 13 FT
Fluid in Hole: Water + Native Mud
Density/Viscosity | pH
Driling Measured From: Ground Level
Miles Round Trip | Standby
Time In: 1130 | Time Out: 1255
Unit No: 110
Operator: Wm. Linton
Location: Lakewood

EQUIPMENT DATA

TD Logged: 95 and 130 Ft
Natural Gamma: 200 Scale = 20 CPS per Inch
Time Constant: 2 Sec | Logging Speed: 15 Ft/Min
Gamma Source No/Value: 1 CPS
Probe No: 103-1041 | Probe Diameter: 1 5/8"
Detector Type Size: Xtal 3/4 x 1 1/4"
K Factor: 1.60 x 10⁻⁵ | Deadtime: 1 Microsec
Weight Factor: 1.10 for hole size 3 7/8" | for casing size
Casing Factor: for wall size
Resistance: Ohms per 5 Inches
SP: MV per Inch

NATURAL GAMMA RUNS (ANALOG) (Scale log off scale)

Scale = CPS/in	Scale = CPS/in	Scale = CPS/in	Scale = CPS/in
T C Sec / Logging Speed Ft/Min	T C Sec / Logging Speed Ft/Min	T C Sec / Logging Speed Ft/Min	T C Sec / Logging Speed Ft/Min
From Ft To Ft	From Ft To Ft	From Ft To Ft	From Ft To Ft
Total Ft	Total Ft	Total Ft	Total Ft

0-95 FT open hole log

93-130 FT open hole log thru pipe to 93 FT

Gamma (Analog) | Density Source No
Gamma (Digital) | Type
Caliper | CPS/inch
Temperature
DIRECTIONAL DATA
Neutron Source No
Closure | Type | Strength
Azimuth | CPS/inch
True Vertical | Survey Depth

NATURAL GAMMA — 20 CPS — Total Log
S.P. — 20 MV
RESISTANCE — 25 — Ohms per 5 Inches

5 Inches
25
20 MV
20 OHMS
Normal Log
0
20
40
COUNTS PER SECOND
325
EN HOLE LOG
FRONTIER LOGGING CORPORATION

OPEN HOLE LOG

NATURAL GAMMA

0 20 40 COUNTS PER SECOND

- S.P. + 20 MV/DIVISION

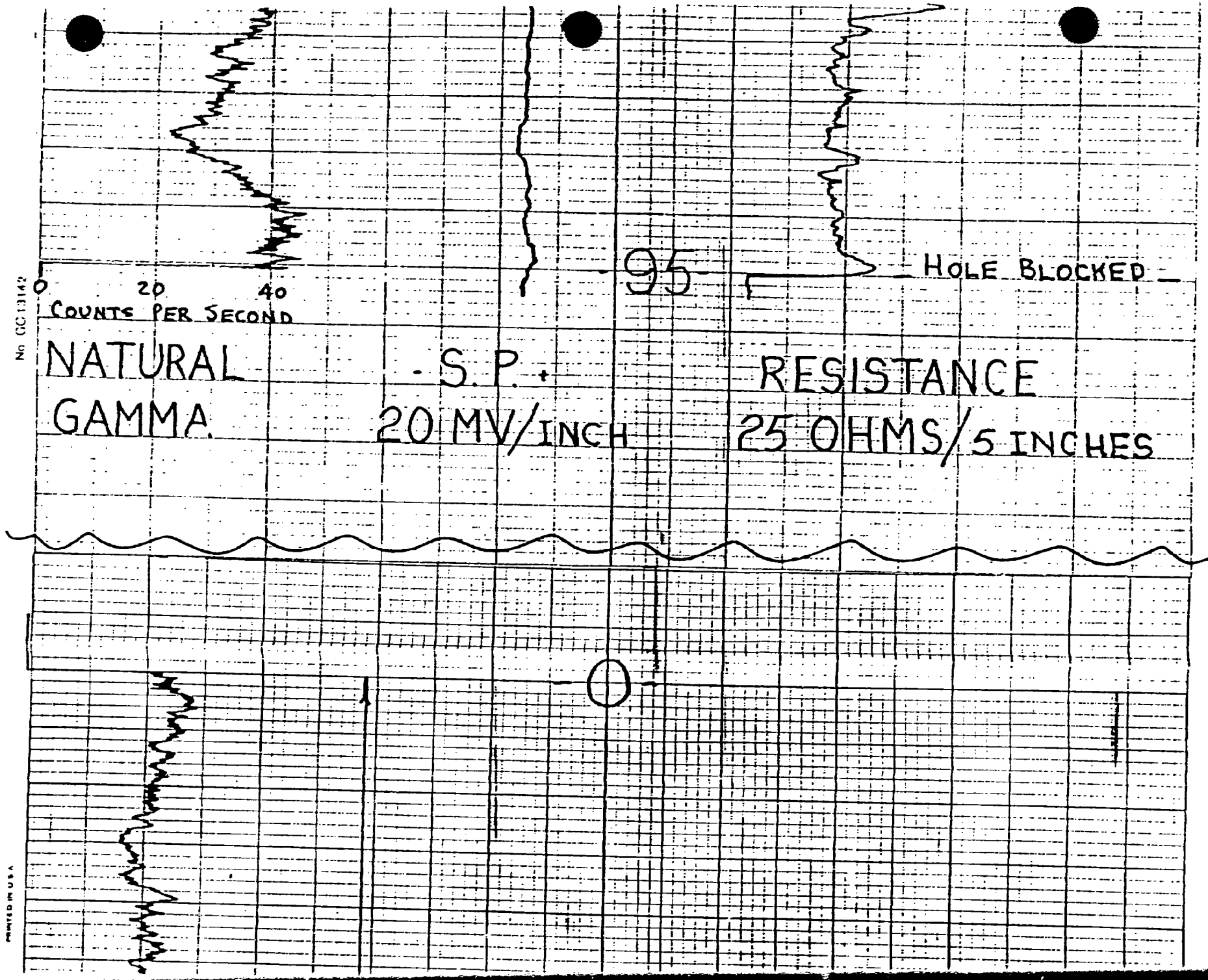
RESISTANCE 25 OHMS/5 INCHES

HOLE BLOCKED

50

55

FRONTIER LOGGING


0
20
40
COUNTS PER SECOND
NATURAL
GAMMA
-95-
-S.P.+
20 MV/INCH
HOLE BLOCKED
RESISTANCE
25 OHMS/5 INCHES
-0-

IG CORPORATION

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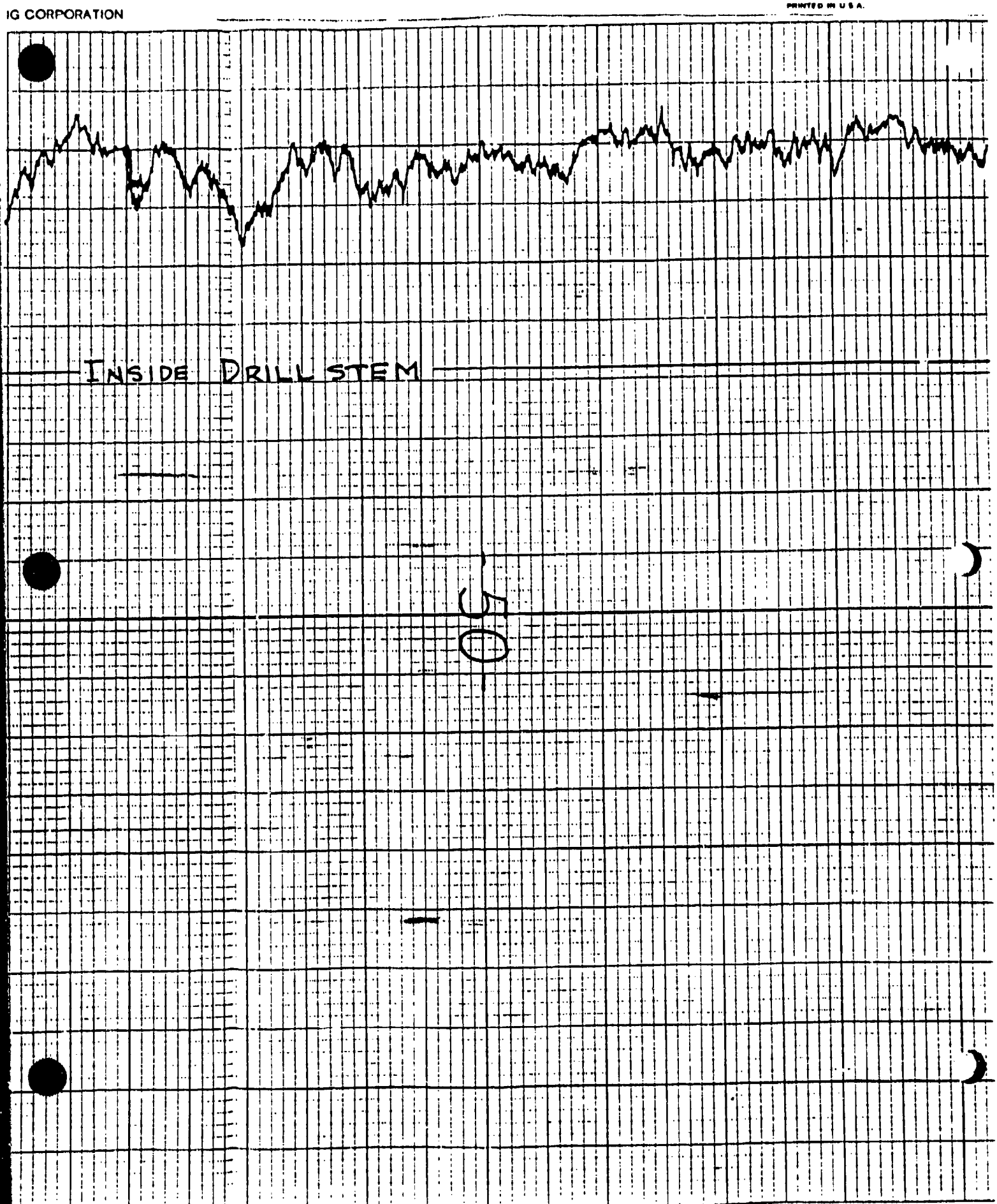

FRONTIER LOGGING CORPORA

No. GC 11142

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-72 mw D1 Well 23229

Project RMA ON POST
Project Number Task 44
Date(s) Developed 12-22-87
Date Installed 092387
Personnel (Name/Company) WTV/ESE
ABW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter ____ in. ____ ft. to ____ ft.
____ in. ____ ft. to ____ ft.
Rig Used Well Service Truck
Pump (Type/Capacity) Grundfos 26 gpm
Screen Interval ____ ft. to ____ ft.
Bailer (Type/Capacity) ____ ____ ft. to ____ ft.
Water Source RMA
Casing Height (Above G.L.) ____ ft.
Measured Well Depth TOC (Initial) 24.08 ft.
Bottom of Screen (Below G.L.) 22.4 ft.
(Final) ____ ft.
Water Level TOC/Date/Time (Initial) 24.21'/12-22-87/1410 DRY WELL
(after 24 hrs.) ____
Feet of Water in Well 0' ft. x ____ gallons/foot = ____ gallons casing/anulus volume
Drilling Fluid Lost ____ gallons
One Purge Volume ____ gallons
Purge Water Lost ____ gallons
Minimum Purge Volume ____ gallons
Added Water ____ gallons
Total Purge Volume ____ gallons
Casing/Anulus Volume ____ gallons
Volume Measured By ____
Surge Technique ____

Calibration: pH Meter Used: ____
pH 7.00 = ____ at ____ °C, pH 10.00 = ____ at ____ °C
Conductance Meter Used: ____
Standard ____ umhos/cm at 25°, Reading ____ umhos/cm at ____ °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial					
Dry Well					
Final					

Remarks: ____

Collected by [signature] VASSAR 12-22-87
Signature Date

Checked by ____
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE M-I
ENGLEWOOD, COLORADO 80112 • 303/741-0910

WELL CONSTRUCTION SUMMARY

Borehole GP 72 01 Well

Project Name and Location Task 44 Section 22 Well Decommissioning Project Number 17053 0010

Drilling Company Boyles Bros Driller Don Lewis Rig Number

Drilling Method(s) 12¼ OD Hollow stem auger

Borehole Diameter 12¼ in. cm. 0 ft. cm. to 22.4 ft. cm.
in. cm. ft. cm. to ft. cm.

Size(s) and types of Bit(s)

Size and Type PVC 4" .020 S/OT

Total Borehole Depth 22.4 ft. cm.

Depth to Bedrock 20.5 ft. cm.

Depth to Water 16.5 ft. cm.

Water Level Determined By Previous Sampling

Length Plain PVC (total) 18.23 ft. cm.

Length of Screen 5.86 ft. cm.

Total Length of Well Casing 22.4 ft. cm.

PVC Stick Up 1.69 ft. cm.

Depth to Bottom of Screen 22.4 ft. cm.

Depth to Top of Screen 16.54 ft. cm.

Depth to Top of Sand 14.7 ft. cm.

Depth to Top of Bentonite 6.5 ft. cm.

Sampling Method(s)

Date/Time Start Drilling 2/22/87 1440

Date/Time Finish Drilling 2/23/87 1617

Date/Time Start Completion 2/23/87 0745

Date/Time Cement Protective Casing 2/23/87 1000

Materials Used

Plain PVC 2 - 10'

Slotted PVC 1 - 5'

Bentonite Pellets 5 BUCKETS

Bentonite Granular 20 lbs

Cement 4 BAGS

Sand 6.5 BAGS

Water added during completion 40 gals to rinse/clean

Water added during drilling 5

Total Gallons of water added 45

Drill Site Geologist

Date 2/23/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed

Date/Time/Personnel Casing Painted

Date/Time/Personnel Numbers Painted

Materials Used

			COMMENT/NOTES
Top of Protective Casing to Top of PVC	ft.	cm.	
Top of Protective Casing to Weep Hole	ft.	cm.	
Top of Protective Casing to Internal Mortar	ft.	cm.	
Top of Protective Casing to Top of Cement Pad	ft.	cm.	
Top of Protective Casing to Ground Level	ft.	cm.	

Reviewed By Date

Drill Site Geologist Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-4639

Borehole: EP-72 01 Well: _____

Depth-Feet	Soil/Rock Type	Well Completion	Description
		1.3 2.0 1.7	
		Ground Level 7043.73	
2			
4			
6			6.5 Top of Bentonite
8			
10			
12			11.7 Top of Sand
14			
16			16.4 Top of Screen
18			
20			
22			22.4 Total Depth

Drill Site Geologist: Guy H Date: 9/23/87

Reviewed By: _____ Date: _____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-6696

WELL CONSTRUCTION SUMMARY

Borehole EP-72-02 Well ______

Project Name and Location [illegible] Project Number [illegible]

Drilling Company Boyles Bros Driller [illegible] Rig Number 5445

Drilling Method(s) Rotary

Borehole Diameter 12¼ in. ______ cm. surface ft. ______ cm. to 106.19 ft. ______ cm.

7⅞ in. ______ cm. surface ft. ______ cm. to ______ ft. ______ cm.

Size(s) and types of Bit(s)	12¼ [illegible] bit; 7⅞ [illegible] bit	Sampling Method(s)	[illegible]
Size and Type PVC	4" .020 [illegible]	Date/Time Start Drilling	9/23/87 [illegible]
Total Borehole Depth	[illegible] ft. ______ cm.	Date/Time Finish Drilling	[illegible] 1037
Depth to Bedrock	[illegible] ft. ______ cm.	Date/Time Start Completion	[illegible] 1037
Depth to Water	[illegible] ft. ______ cm.	Date/Time Cement Protective Casing	[illegible] 1037
Water Level Determined By	[illegible]	Materials Used	
Length Plain PVC (total)	[illegible] ft. ______ cm.	Plain PVC	12 10' [illegible]
Length of Screen	[illegible] ft. ______ cm.	Slotted PVC	1 10' [illegible]
Total Length of Well Casing	[illegible] ft. ______ cm.	Bentonite Pellets	1 bucket
PVC Stick Up	[illegible] ft. ______ cm.	Bentonite ~~Granular~~ Powder	170 lbs
Depth to Bottom of Screen	[illegible] ft. ______ cm.	Cement	14 bags
Depth to Top of Screen	[illegible] ft. ______ cm.	Sand	4 bags
Depth to Top of Sand	[illegible] ft. ______ cm.	Water added during completion	—
Depth to Top of Bentonite	[illegible] ft. ______ cm.	Water added during drilling	—
		Total Gallons of water added	—

Drill Site Geologist [signature] Date 9/30/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed ______

Date/Time/Personnel Casing Painted ______

Date/Time/Personnel Numbers Painted ______

Materials Used ______

			COMMENT/NOTES
Top of Protective Casing to Top of PVC	______ ft.	______ cm.	
Top of Protective Casing to Weep Hole	______ ft.	______ cm.	
Top of Protective Casing to Internal Mortar	______ ft.	______ cm.	
Top of Protective Casing to Top of Cement Pad	______ ft.	______ cm.	
Top of Protective Casing to Ground Level	______ ft.	______ cm.	

Reviewed By ______ Date ______

Drill Site Geologist ______ Date ______

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7935 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0050

Borehole: EP-77-A2 Well: _____

Depth-Feet	Soil/Rock Type	Well Completion	Description
		Ground Level	STABILIZED AT 77.5
			37.5
			7.0
			101 TOP OF BENTONITE
			109' TOP OF SAND
			112.5' TOP SCREEN
			123.5' TD

Drill Site Geologist: _____ Date: _____

Reviewed By: _____ Date: _____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Boro EP-72nw D2 Well 23230

Project RMA ON POST Project Number Task 44

Date(s) Developed 12/16-87 Date Installed 092787

Personnel (Name/Company) WTV / ESE Well Diameter (I.D.) 4 in.

TDM / ESE Anulus Diameter 12¼ in. 0 ft. to 106.14 ft.

Rig Used Well Service Truck 7⅞ in. 106.14 ft. to 123.54 ft.

Pump (Type/Capacity) Grundfos (7gpm) Screen Interval 112.67 ft. to 122.54 ft.

Bailer (Type/Capacity) ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 125.44 ft. nw 124.39 Bottom of Screen (Below G.L.) 120.54 ft.

(Final) ____ ft.

Water Level TOC/Date/Time (Initial) 43.76 / 12-16-87 / 0910

(after 24 hrs.) ____

Feet of Water in Well 81.63 ft. x 0.653 gallons/foot = 43.44 nw 53.3 dw gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume dw 56.96 (60) gallons

Purge Water Lost N/A gallons Minimum Purge Volume dw 284.8 (300) gallons 3.0

Added Water 0 gallons Total Purge Volume 265 gallons

Casing/Anulus Volume ~~43.44~~ 53.3 gallons Volume Measured By 55 gal. drums

~~+13.75~~ 14.0

Surge Technique raise & lower pumps

Calibration: pH Meter Used: Beckman Phi 21 SN 015883

pH 7.00 = 7.10 at 3.8 °C. pH 10.00 = 10.27 at 3.6 °C

Conductance Meter Used: YSI model 32

Standard 1413 umhos/cm at 25°, Reading 877 umhos/cm at 6.5 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	09:53	3.5	12.50	1915	Milky gray, v.s.f.g
30	10:11	10.1	10.83	448	pretty much clear; lt gray s.f.g
Final					

10:00

Remarks: Tp: 2.0 in 55 gal drum, 0.1 in breathing zone.

pumping rate measured by 5 gal. bucket = 1.2 gpm

* 1 Purge volume = 53.3 + 13.75 sand pack = 67.05 → 70 gallons

sand pack height 16.14 X 0.852 = 13.75 gal. sand pack vol.

123.54 − 107.4 = 16.14 ft.

Collected by WTV / ESE Signature 12-16-87 Date

Checked by [signature] Signature 2/15/88 Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-72-02 Well 23230

Project RMA ON POST
Project Number JSK 44
Date(s) Developed 12-18-87
Date Installed 092787
Personnel (Name/Company) WW/ESE
TOM/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 106.19 ft.
7⅞ in. 106.19 ft. to 125.54 ft.
Rig Used Well Service Truck
Screen Interval 112.87 ft. to 122.54 ft.
Pump (Type/Capacity) 7 gpm Grundfos
ft. to ft.
Bailer (Type/Capacity)
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 125.39 ft.
Bottom of Screen (Below G.L.) 123.54 ft.
(Final) ft.
Water Level TOC/Date/Time (Initial) 73.76 / 12-18-87 / 0910
(after 24 hrs.)
Feet of Water in Well 51.63 ft. x 0.653 gallons/foot = ~~43.44~~ 53.3 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume ~~56.86 (60)~~ gallons
Purge Water Lost N/A gallons
Minimum Purge Volume ~~294.3 (300)~~ 350 gallons
Added Water 0 gallons
Total Purge Volume gallons
Casing/Anulus Volume ~~43.44~~ 53.3 gallons
+ 13.75 = sandpack
Volume Measured By 55 gal drum
Surge Technique raise & lower pump

Calibration: pH Meter Used: Beckman pHi 21 SN: 015-583
pH 7.00 = 7.08 at 6.5 °C, pH 10.00 = 10.03 at 6.4 °C
Conductance Meter Used: YSI model 32
Standard 1413 umhos/cm at 25°, Reading 259 umhos/cm at 5.2 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 30	9:40	7.8	10.04	2220	Light gray, med amt. silt.
60	12:11	12.5	10.37	1640	Light gray, sm. amt. silt
95	2:00	9.2	10.24	2380	Light gray, sm. Amt silt
Final					

Remarks: Water Level TOC = 10.95 / 12-18-87 / 10:00 pump off - discharge 7.2 gpm / Pumped 10:3
Tip 9:30 O.D. Tip 9:50 O.D.

Collected by Walt Vaeth 12-18-87
Signature Date
Checked by [signature] 2/15/88
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore SP-72-D2 Well 23230

Project RMA ON POST Project Number TASK 44

Date(s) Developed 12-21-87 Date Installed 092787

Personnel (Name/Company) WTV / ESE
ABU / ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 12¼ in. 0 ft. to 106.19 ft.
7⅞ in. 106.19 ft. to 123.54 ft.

Rig Used Well Service Truck

Pump (Type/Capacity) Geotech (ISCO)

Screen Interval 112.67 ft. to 123.54 ft.
____ ft. to ____ ft.

Bailer (Type/Capacity) ____

Water Source RMA

Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 125.39 ft.
(Final) ____ ft.

Bottom of Screen (Below G.L.) 123.54 ft.

Water Level TOC/Date/Time (Initial) 43.76 / 12-16-87 / 0910
(after 24 hrs.) ____

Feet of Water in Well 81.63 ft. x 0.653 gallons/foot = ~~43.44~~ 53.3 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume (3 DW) ~~56.86~~ (80) gallons

Purge Water Lost N/A gallons

Minimum Purge Volume (3 DW) ~~28.2~~ (40) gallons

Added Water 0 gallons

Total Purge Volume ____ gallons

Casing/Anulus Volume ~~43.44~~ 53.3 gallons
+ 13.75 = sandpack

Volume Measured By 55 gal drums

Surge Technique raise & lower pump

Calibration: pH Meter Used: BECKMAN ϕ 21 PH METER

pH 7.00 = ~~6.707~~ 7.07 at 7.2 °C, pH 10.00 = 10.02 at 6.9 °C

Conductance Meter Used: YSI Model 32

Standard 1413 umhos/cm at 25°, Reading ____ umhos/cm at ____ °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
~~Initial~~ 95	1521	11.0	9.18	2650	Clear to Gray
110	1554	10.2	9.15	2920	Clear
~~Final~~					

Remarks: Water Level TOC = 58.21 12-21-87 / 1450
TIP = 0.0

Collected by [signature] 12-21-87
Signature Date

Checked by [signature] 2/15/88
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-72-D2 Well 23230

Project ~~EP-72-D2~~ RMA ON POST
Project Number Task 44
Date(s) Developed 12-22-87
Date Installed 092787
Personnel (Name/Company) WTV/ESE
ABW/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 1/4 in. 0 ft. to 106.19 ft.
7 7/8 in. 106.49 ft. to 123.54 ft.
Rig Used Well Service Truck
Pump (Type/Capacity) Geotech - ISCO
Screen Interval 112.62 ft. to 123.54 ft.
Bailer (Type/Capacity) ~~2.5" x 4.5' HTP~~
____ ft. to ____ ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 125.39 ft.
Bottom of Screen (Below G.L.) 123.54 ft.
(Final) ____ ft.
Water Level TOC/Date/Time (Initial) 43.76 / 12-16-87 / 0910
(after 24 hrs.) ____
Feet of Water in Well 81.63 ft. x 0.653 gallons/foot = DW ~~45.71~~ 53.3 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume DW ~~26.86~~ (20) gallons 70
Purge Water Lost N/A gallons
Minimum Purge Volume DW ~~234.3~~ (300) gallons 350
Added Water 0 gallons
Total Purge Volume ____ gallons
Casing/Anulus Volume DW ~~45.71~~ 53.3 gallons
+ 15.75 = sand pack
Volume Measured By 55 gal drums
Surge Technique raise & lower pump

Calibration: pH Meter Used: BECKMAN 10 pH METER (015983)
pH 7.00 = 7.09 at 3.6 °C, pH 10.00 = 10.25 at 5.0 °C
Conductance Meter Used: YSI model 32
Standard 1413 umhos/cm at 25°, Reading 825 umhos/cm at 23 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
~~Initial~~ 110	0910	10.3	8.84	2540	Clear
140	1023	11.4	9.70	2510	Clear
165	1330	10.6	9.77	2520	Clear
Final					

Remarks: Water Level TOC = 64.40' / 12-22-87 / 0834
TIP = 120
Pumping rate approx 2 gpm / Dewatered at 55 gal. / pump off at 1:30 pm 12-22-87

Collected by Walt Vaccaro, 12-22-87
Signature Date

Checked by [signature] 2/15/88
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL DEVELOPMENT DATA

Bore EP-7202 Well 23230

Project TASK 44
Date(s) Developed 2-23-88
Personnel (Name/Company) ESE
Kevin, Roy, Bob
Rig Used WELL DEVELOP. TRUCK
Pump (Type/Capacity) ✓ ISCO
Bailer (Type/Capacity)
Water Source RMA
Measured Well Depth TOC (Initial) ____ ft.
(Final) 125.80 ft.

Project Number
Date Installed 9-27-87
Well Diameter (I.D.) 4" PVC in.
Anulus Diameter 12¼ in. 0 ft. to 106.19 ft.
7⅞ in. 106.19 ft. to 123.54 ft.
Screen Interval 112.67 ft. to 123.54 ft.
____ ft. to ____ ft.
Casing Height (Above G.L.) 1.7 ft.
Bottom of Screen (Below G.L.) 123.54 ft.

Water Level TOC/Date/Time (Initial) 48.42 / 2-23-88 / 9:15
(after 24 hrs.) 69.76 / 2-24-88 / 1305

Feet of Water in Well 40.42 ft. x ____ gallons/foot = 53.3 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water 0 gallons
Casing/Anulus Volume 66 gallons

One Purge Volume 70 gallons
Minimum Purge Volume 330→350 gallons
Total Purge Volume 265 gallons
Volume Measured By 55 Gal. Drums
Surge Technique raise & lower pump

Calibration: pH Meter Used: SN # 016344
pH 7.00 = 7.04 at 13.8 °C, pH 10.00 = 10.14 at 13.3 °C
Conductance Meter Used: SN # 14243
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25° °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial RR 165 Gal	10:00	10.8	9.18	2570	CLEAR
225 Gal	11:43	9.6	9.52	2600	CLEAR
265 Gal	1242	9.1	9.83	2635	CLEAR
Final					RR

Remarks: Dewatered @ 265 Gal.

Collected by Roy Kessler 4-20-88
Signature Date

Checked by [signature] 5-2-88
Signature Date

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BOREHOLE SUMMARY LOG

Borehole EP-74 Well 24196, 24197, 24198
Project Name and Location IRM Installation Project Number 744
Drilling Company Boyles Driller B. Roach Rig Number Failing 1500
Drilling Method(s) continuous core

Size(s) and type(s) of bit(s) 12 1/4" auger, 5 7/8" tricone
Borehole Diameter 12 1/4 in. ____ cm. 0 ft. ____ cm. to 26 ft. ____ cm.
5 7/8 in. ____ cm. 26 ft. ____ cm. to 122 ft. ____ cm.
Sampling Methods cont. rotary core
Total Number Soil Sampling Tubes —
Total Number Core Boxes 9
Number of Gallons Lost Drilling Fluid —
Date/Time Started Drilling 8.3.87 0750
Date/Time Completed Drilling 8.4.87 0823
Total Borehold Depth 122 ft. ____ cm.
Depth to Bedrock 25.50 ft. ____ cm.
Depth to Water 24.75 ft. ____ cm.
Water Level Determined By? water level indicator
Borehole Completed as Monitoring Well? NO
Date/Time Grouting Completed 8.4.87 1120
Depth of Tremmie Pipe 120'
Gallons of Grout 90
Materials Used 90 lbs cement, 90 gal. water, 1 bag bentonite
Comments hole grouted to surface

Wellsite Geologist Cynthia D. Kinsey Date 8.4.87
Checked for Grout Settlement on 8/7/87 by [signature]
Amount of Grout Added none needed
All Measurements from Ground Level
Reviewed by [signature] Date 4/8/88
Drill Site Geologist ____ Date ____

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SHEET 1 OF 3

Borehole: EP-74A Well Number:

Depth–Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1	1 0.0'-2.0'	1.4'/2.0'	SAME AS TUBE NUMBER	Same as tube interval	CL	Clay, 10% sand, fine to coarse grained, 2% small gravel, 10YR 4/4 Dark yellowish brown, medium stiff, dry, low plastic, porous
2						
3	2 2.0'-4.0'	1.0'/2.0'			CL	Clay, 10% silty, 10YR 5/4, yellowish brown, medium stiff, dry, low plastic, calcareous at 3.2' Sand, fine to coarse grained
4						
5	3 4.0'-6.0'	.95/2.0'				
6	4 6.0'-7.0'	.95/1.0'			CL	Clay, 20% sand, fine to coarse grained, 10YR 7/3 very pale brown, dry, medium stiff, medium plastic, dry, calcareous
7	5 7.0'-8.0'	.63/1.0'			CL	Clay, 30% sand, fine to coarse grained, 10YR 7/4 very pale brown, dry medium stiff, medium Plastic, dry, calcareous
9	6 8.0'-9.0'	.95/1.0				
9	7 9.0'-10.0'	1.0/1.0'			SC	Clayey Sand, 25% clay, fine to coarse grained sand, medium dense, moist, 10YR 5/6, yellowish brown, v. low plastic
10						

Drill Site Geologist: Steve Payne Date: 7/28/87

Reviewed By: Joseph L. Reed Date: 9/29/87

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Borehole: EP-74A Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
11	8 10.9'-12.0'	2.0'/2.0'			SC	Clayey SAND, (see pg 1)
12						
13	9 12.0'-14.0'	2.0'/2.0'			SP	Poorly graded Sandy medium to very coarse grained sand, 10% small gravels, 2.5Y 7/4, pale yellow, medium dense, moist, non plastic gravels decrease to 2% at 12'
14						
15	10 14.0'-16.0'	1.7'/2.0'				
16	11 16.0'-17.0'	1.0'/1.0'				gravel % increase to 10% at 16.0', small gravels
17					SP	Poorly graded Sands, 7% clay, 10% gravel, small to medium size, coarse to very coarse grained sands, dense, moist, 2.5Y 6/8, olive yellow, claystone clasts, medium gravel in size
18	12 17.0'-19.0'	1.8'/2.0'				
19						
20	13 19.0'-21.0'	2.0'/2.0'				

Drill Site Geologist: Steve Pace Date: 7/28/87

Reviewed By: Joseph L. Reed Date: 9/29/87

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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Borehole: EP-74A Well Number:

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
21	13 19.1'-21.0'	2.0'/2.0'	same as tube numb	same as tube interval		Poorly graded sands (see page 2)
22	14 21.0'-23.0'	1.9'/2.0'				
23						
24	15 23.0'-25.0'	0.9'/2.0'				
25					SP	Poorly graded sands, coarse to very coarse grained sands, 5% small gravel, 2.5Y 5/4, light olive brown, dense, saturated
26	16 25.0'-27.1'	2.0'/2.1'				Claystone, bedrock, weathered, 5Y 5/3, olive, Fe stains, blocky structure, carbon, calcareous, 20% silt at 26.5', unweathered
27						Total depth 27.1'

Drill Site Geologist: Steve Barr Date: 7/25/87

Reviewed By: Joseph L. Reed Date: 9/29/87

ESE, Inc. CORE LOG By CDB Date 8.4.87 BORE EP-74 Well(s) _____ Page 1 of 5

Run no.	Depth	Rec. Int	Wash U S	Structure/Bedding Angle	Structure/Bedding Desc	Hardness S H	Perm. 1° L H	Perm. 2° L H	Mineralogy Min	Mineralogy Habit	Color (M)	Texture/Grain Size clst sd gr mm .01 1.0 100	Lith. Char	Lith. Class Ft	Description / Comments CM (Scale 1" = 2 ft)
															Water at 24.75'
															bedrock at 25.50'
															Casing set to 26'
															Begin coring at 27'
	26														
	28				occas. coarse sand grains				FeOx coatings on fract.		2.5Y 6/4 lt. yellowish brown		27'	CL	CLAYSTONE mottled gray/brown and yellow/brown
	30	5			fract. 3-4 / 1' 0-30°										
	32														
	34	5													
	36														
1															
	38										2.5Y N5/0 gray to brown gray				
		5			Finely interbedded claystone & sandstone ⊥ to core axis				calc. cement in sandy beds				39'	SlSt	SILTSTONE - sandy, clayey calc. cement oxidation boundary
	40	5									2.5Y 4/2/0		Sand 20% clay 10%		
					occas. laminated/fissile						2.5Y N2/0 black		40.6	Lg	LIGNITE
	42								calc. vein 1/8"						

BORE EP-74 WELL(S)

ESE, Inc.

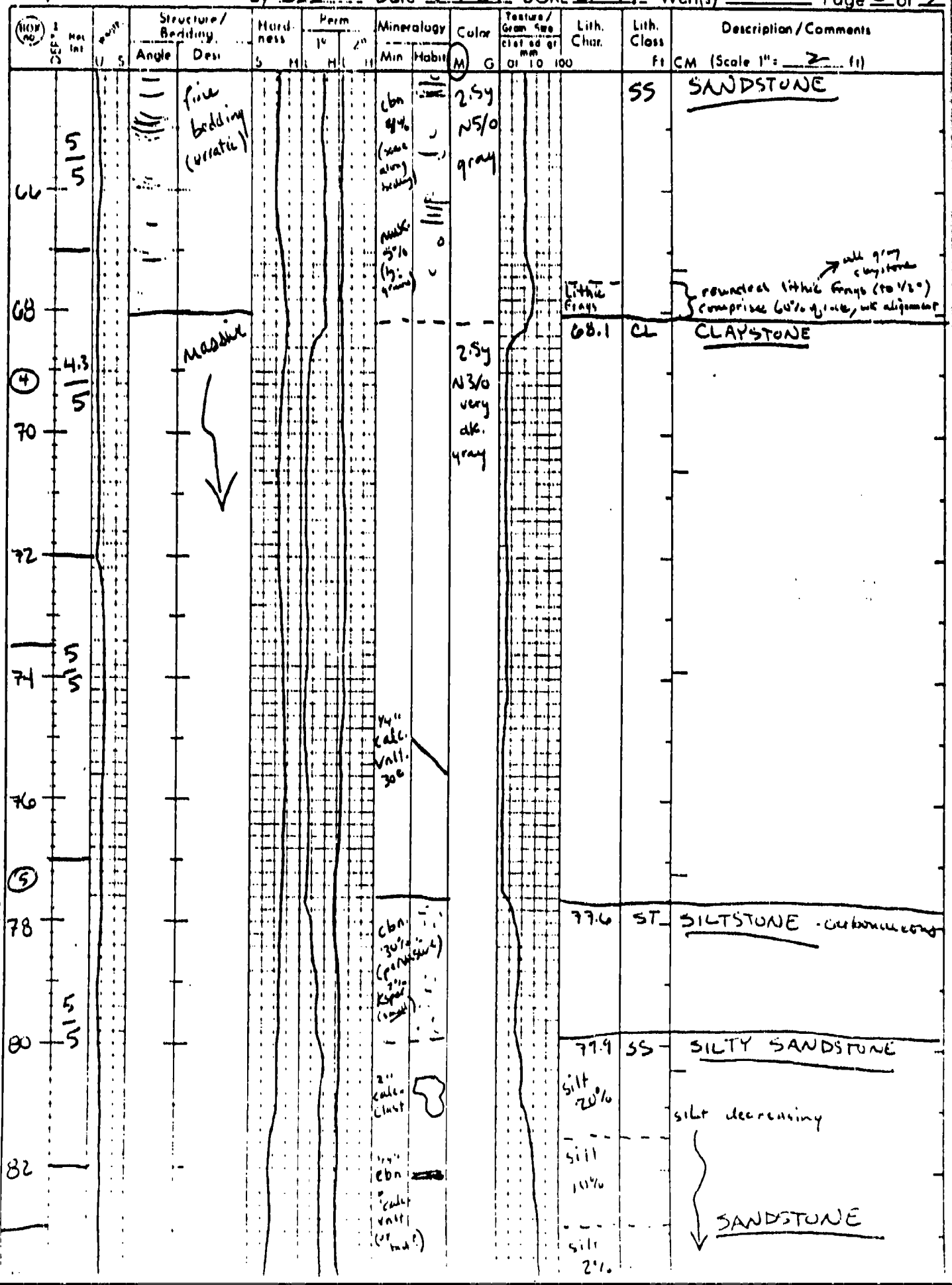
ESE, Inc. CORE LOG By CDB Date 8.4.87 BORE EP-74 Well(s) _____ Page 2 of 5

Run No.	Depth	Rec. Int	Structure/Bedding: Angle	Structure/Bedding: Desc.	Hardness S	Hardness H	Perm. 1° I	Perm. 1° H	Perm. 2° I	Perm. 2° H	Mineralogy: Min	Mineralogy: Habit	Color M	Color G	Texture/Grain Size: clst sd gr mm .01 .10 1.00	Lith. Char.	Lith. Class	Description/Comments (Scale 1" = 2')
	46	3.4 / 5		Massive									2.5Y N3/0 very dk gray			44'	CL	CLAYSTONE
	48										cbn 5%					47.5'	SS	SANDSTONE wkly. cemented (friable)
2	50	5 / 5									cbn 1%					50' silt 15%	CL	CLAYSTONE silty
	52			Finely bedded							cbn 1%					52'	ST	SILTSTONE
	54	5 / 5		Massive							cbn pervasive (10%)		2.5Y N7/0 black			54.3'	CL	CLAYSTONE
3	56															57' clay 15%	ST	SILTSTONE - clayey
	58	5 / 5		Irregular bedding							cbn 20%		2.5Y N4/0 dark gray			58.7 cbn 20% 59.6	SS	SANDSTONE end of cbn-rich zone
	60										calc. banding		2.5Y N6/0 lt. gray					coarser S.S. with calc. cement / nodules
	62										calc. vein							

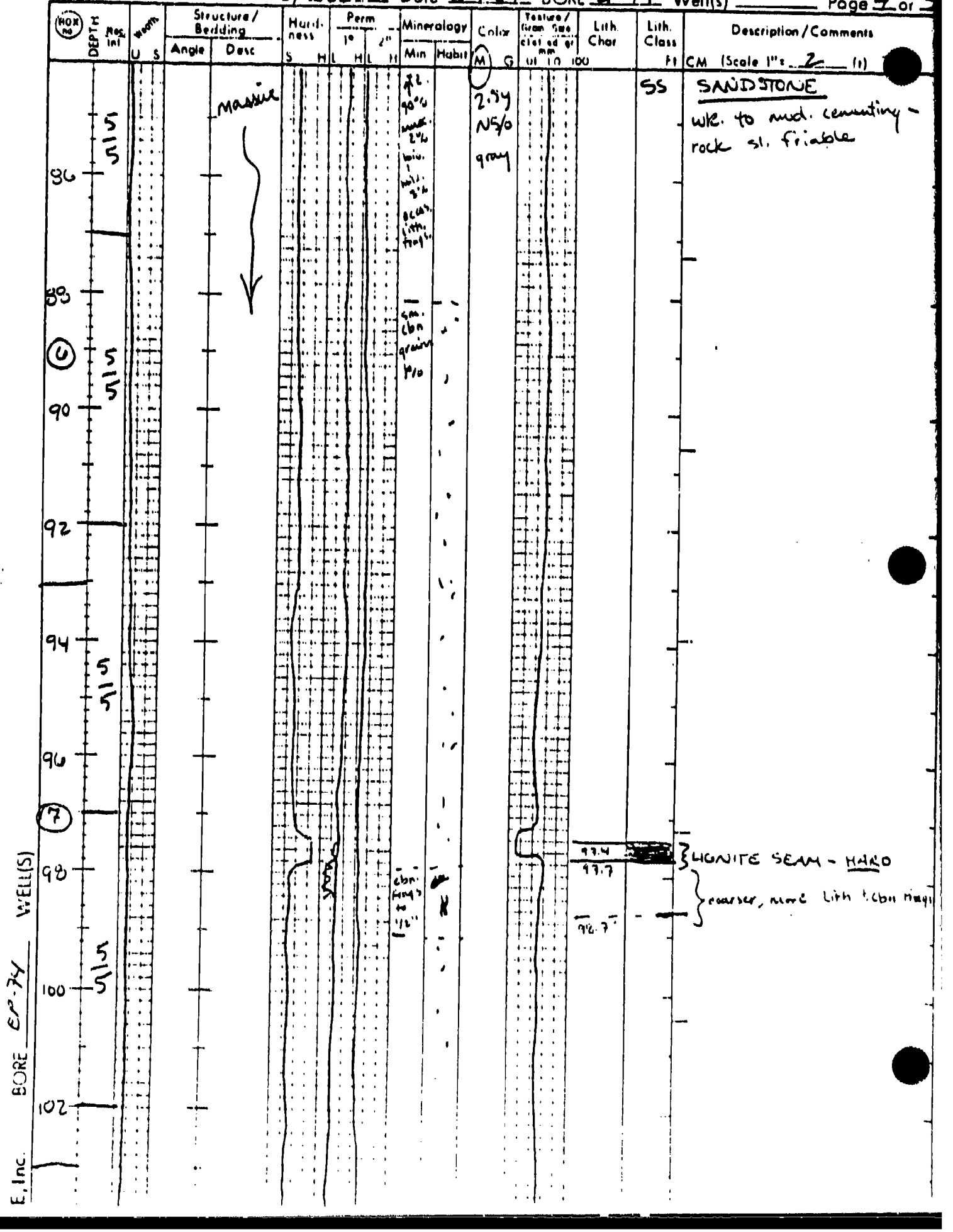
WELL(S) BORE EP-74

ESE, Inc

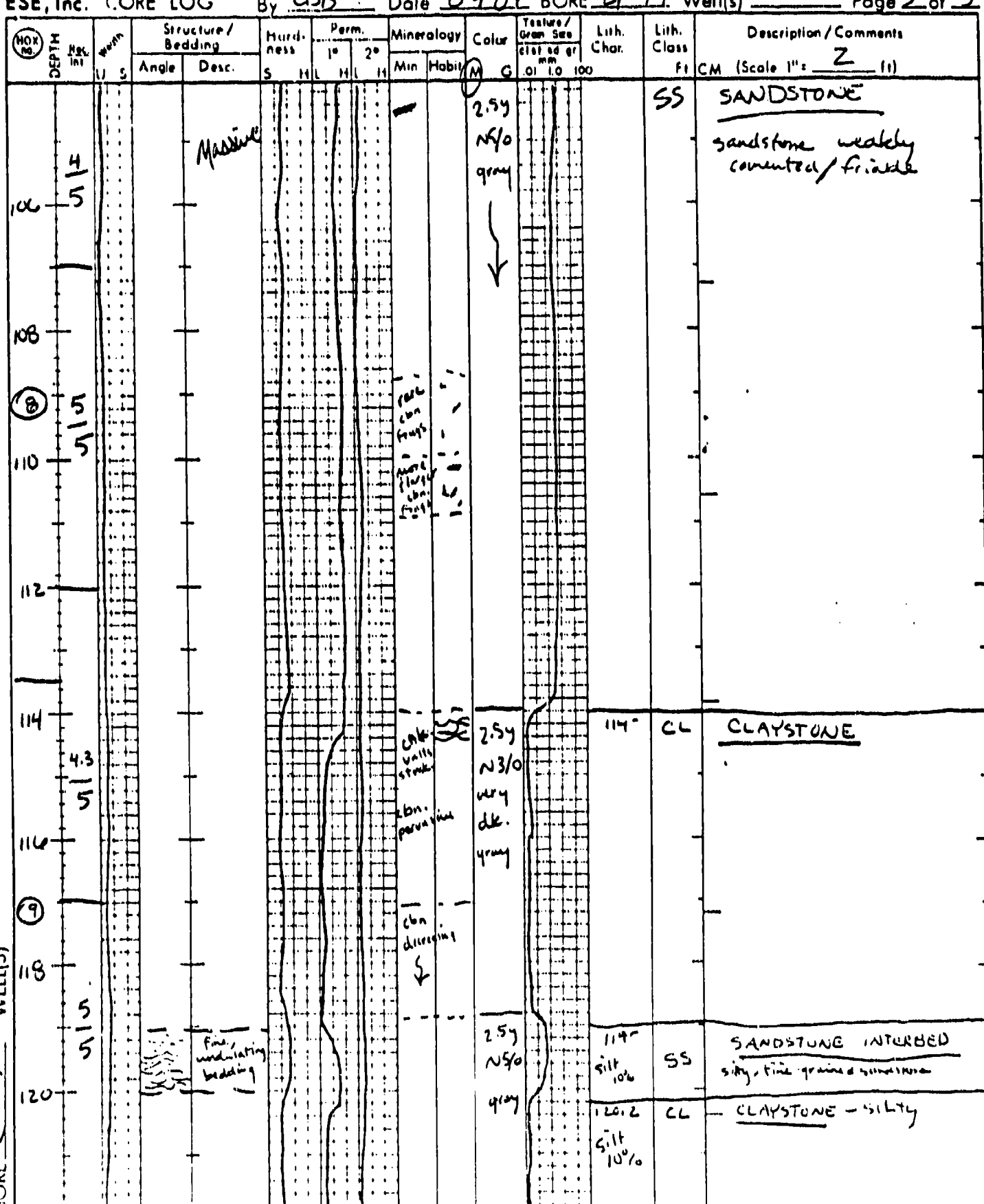
ESE, Inc. CORE LOG By CDB Date 8.4.87 BORE EP-74 Well(s) _____ Page 3 of 5



E.S.E, Inc. CORE LOG By CDB Date 8-4-87 BORE EP-74 Well(s) _____ Page 4 of 5



ESE, Inc. CORE LOG By CDB Date 8.4.87 BORE EP-74 Well(s) _____ Page 5 of 5



Frontier Logging
Lakewood, Colorado

Date: Aug. 4, 1987

Company: ESE
Bore Hole: EP-74
Area/Project: RMA
County: ADAMS COUNTY
State: COLORADO
Section:
Township:
Range:
Elevation:
Log Measured From: Ground Level
Drilled Depth: 122 FT
Bit Size: 3 7/8"
Casing Depth: 26 FT PVC
Fluid in Hole: water & native mud
Density/Viscosity:
pH:
Drilling Measured From: Ground Level
Miles Round Trip:
Standby:
Time On: 0945
Time Off: 1045
Unit No.: 110
Operator: Wm Linton
Location: Lakewood

EQUIPMENT DATA

T.D Logged: 119 FT
Natural Gamma: 200 Scale @ 20 CPS per inch
Time Constant: 2 Sec
Logging Speed: 15 F/Min
Cable Source No/Value: CPS
Probe No: 103-1041
Probe Diameter: 1 5/8"
Detector Type Size: xtal 3/4 x 1 1/4"
K Factor: 1.60 x 10⁻⁵
Dead Time: 7 Microsec
Water Factor: 1.10 for hole size 3 7/8"
Casing Factor: for mud wt.
Resistance: 90 ohms/5" Ohms per 5 inches
S.P.: 30 MV/Inch MV per inch

NATURAL GAMMA SERIES (ANALOG) (plotted log off scale)

Scale	Scale	Scale	Scale
= CPS/in	= CPS/in	= CPS/in	=
T.C. Sec / Logging Speed F/Min	T.C. Sec / Logging Speed F/Min	T.C. Sec / Logging Speed F/Min	T.C. Sec / Logging Speed
From Ft To Ft	From Ft To Ft	From Ft To Ft	From Ft To
Total Ft	Total Ft	Total Ft	Total

Gamma (Analog) Ft	Density Source No
Gamma (Digital) Ft	Type
Caliper Ft	CPS/inch
Temperature Ft	
DIRECTIONAL DATA	Neutron Source No
Closure Ft	Type / Strength
Azimuth	CPS/inch
True Vertical Ft / Survey Depth Ft	

30 MV/Inch

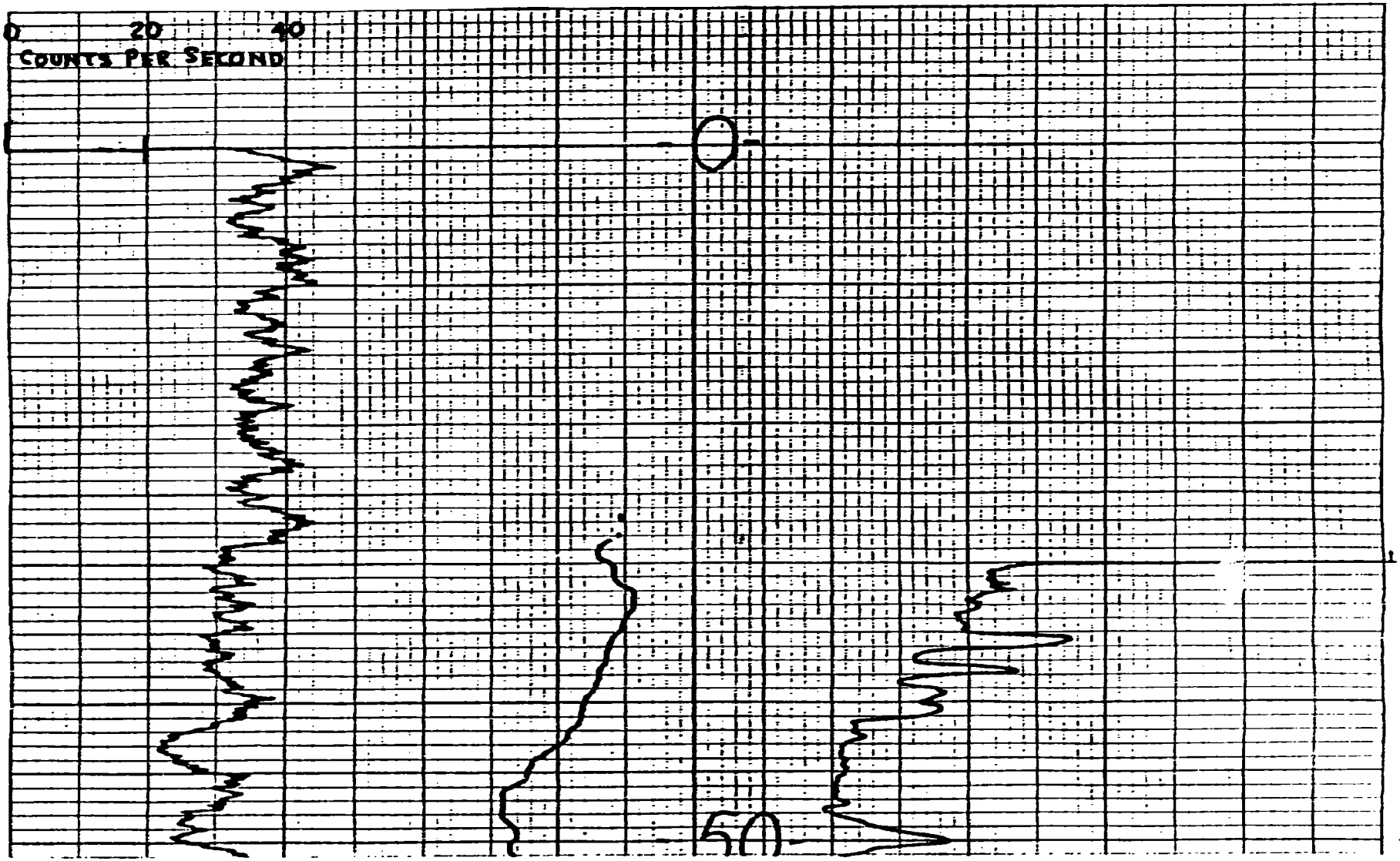
Azimuth

True Vertical ft | Survey Depth ft

NATURAL GAMMA — 20 CPS (Linear Log)

S.P. — - 30 MV +

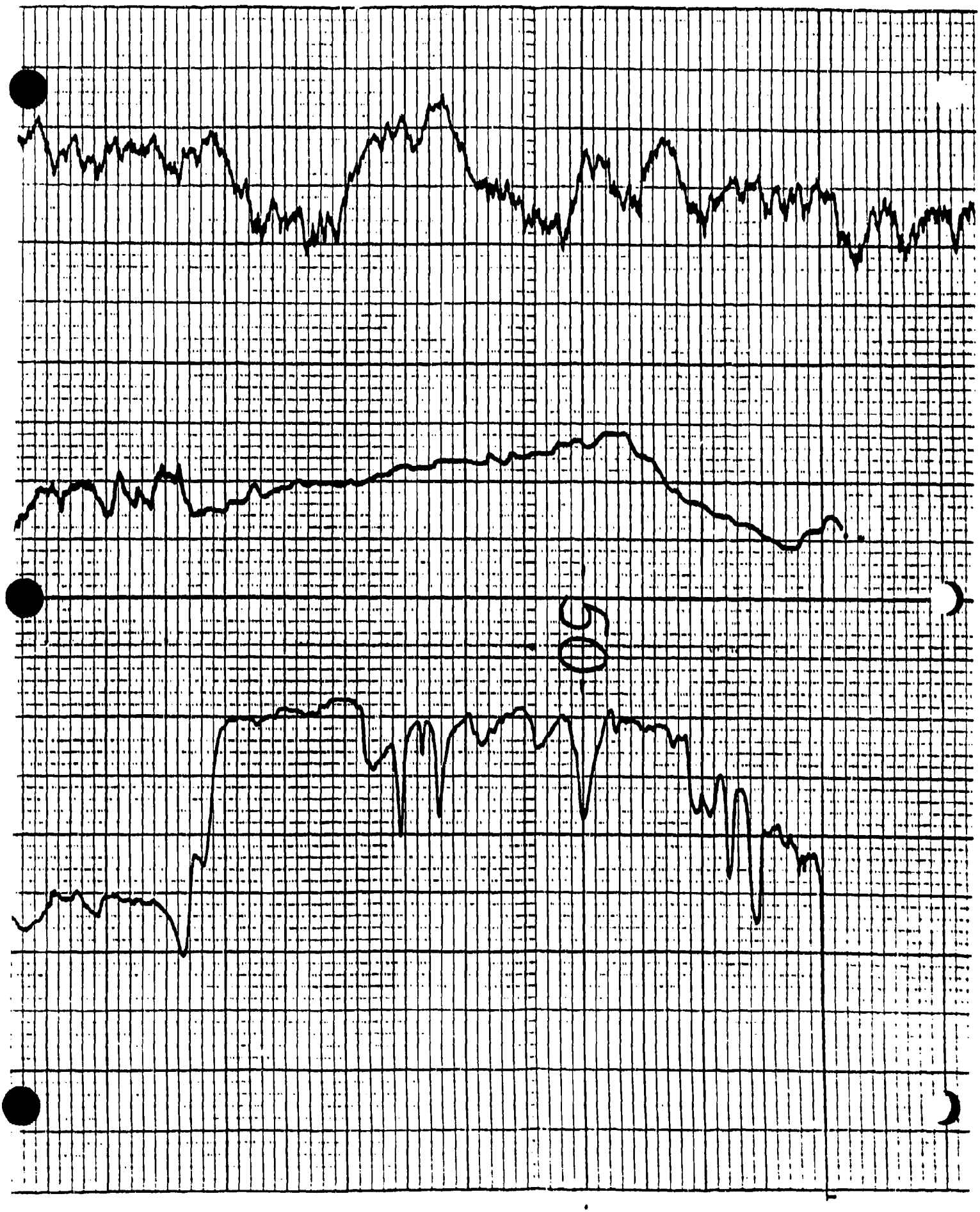
RESISTANCE — 90 OHMS/ 5 Inches

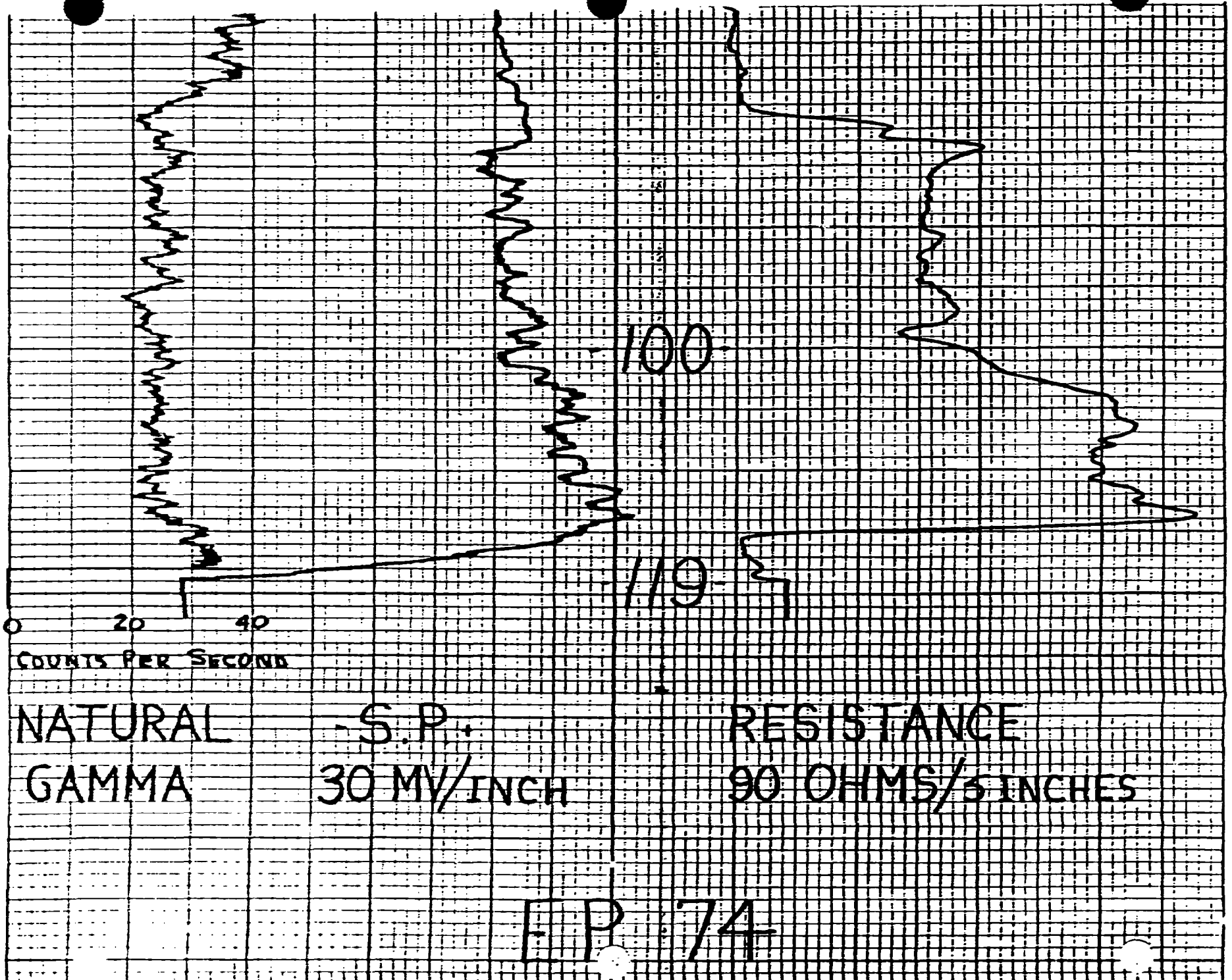


FRONTIER LOGGING CORPORATION

No. GC 13142

FRONTIER LOGGING CO




100
119
0
20
40
COUNTS PER SECOND
NATURAL GAMMA
-S.P.-
30 MV/INCH
RESISTANCE
90 OHMS/5 INCHES
EP-74
No. GC 13142
PRINTED IN U.S.A.

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WELL CONSTRUCTION SUMMARY

Borehole EP-74A Well 24196

Project Name and Location RMA Section 24 Task 44 Project Number

Drilling Company Boyles Bros. Driller Don Irvine Rig Number IR

Drilling Method(s) Continuous sampled using 3¼" ID, 3⅝" OD 5½" OD Hollow stem
Reamed with 12¼" Hollow stem Auger

Borehole Diameter 5½ in. ____ cm. 0.0' ft. ____ cm. to 27.10 ft. ____ cm.
12¼ in. ____ cm. 0.0' ft. ____ cm. to 27.47 ft. ____ cm.

Size(s) and types of Bit(s) Auger

Size and Type PVC 4" sched 40

Total Borehole Depth	27.47 ft. ____ cm.	Sampling Method(s)	Mobile continuous Sampler
Depth to Bedrock 25.5'	24.75 SP ft. ____ cm.	Date/Time Start Drilling	7/22/87 0731
Depth to Water	24.75 ft. ____ cm.	Date/Time Finish Drilling	7/22/87 1205
Water Level Determined By	Samples + taping	Date/Time Start Completion	7/23/87 0710
Length Plain PVC (total)	20.12 ft. ____ cm.	Date/Time Cement Protective Casing	7/23/87 0921
Length of Screen	10.84 ft. ____ cm.	Materials Used	-
Total Length of Well Casing	29.06 ft. ____ cm.	Plain PVC	2- 10' sections (1 cut)
PVC Stick Up	1.70 ft. ____ cm.	Slotted PVC	1- 10' section
Depth to Bottom of Screen	27.36 ft. ____ cm.	Bentonite Pellets	5 buckets
Depth to Top of Screen	16.52 ft. ____ cm.	Bentonite Granular	½ bag
Depth to Top of Sand	11.00 ft. ____ cm.	Cement	3 bags
Depth to Top of Bentonite	6.00 ft. ____ cm.	Sand	11 bags
		Water added during completion	-0-
		Water added during drilling	-0-
		Total Gallons of water added	-0-

Drill Site Geologist Steve Pawl Date 7/24/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 7/23/87 [illegible]

Date/Time/Personnel Casing Painted 7/24/87 [illegible]

Date/Time/Personnel Numbers Painted 3/28/88 [illegible]

Materials Used 12 bags of cubite

Top of Protective Casing to Top of PVC	0.34 ft. ____ cm.	COMMENT/NOTES	
Top of Protective Casing to Weep Hole	1.3 ft. ____ cm.		
Top of Protective Casing to Internal Mortar	1.55 1.45 SBW ft. ____ cm.		
Top of Protective Casing to Top of Cement Pad	1.45 ft. ____ cm.		
Top of Protective Casing to Ground Level	2.0 ft. ____ cm.		

Reviewed By [signature] Date [illegible]

Drill Site Geologist [signature] Date [illegible]

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Borehole: EP-74A Well: 24196

Depth-Feet	Soil/Rock Type	Well Completion	Description
0		Ground Level; .34, 1.66, 2.0; Joints	
5		6.46'	6.00 Top of bentonite Bentonite seal 6.0' - 11.0'
10			11.00' Top of SAND SAND interval 11.00 - 16.52'
15		16.52'	16.52 Top of Screen Screen interval 16.52' - 27.36'
20			
25			24.75 Static water elev. 25.8' Top of Bedrock 27.36 Bottom of Screen 27.47' Total Depth
30			

Drill Site Geologist: Steve Pavis Date: 7/24/87

Reviewed By: _____ Date: _____

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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-74A Well 24196

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 09/03/87
Date Installed 7/23/87
Personnel (Name/Company) DLW/ESE, PJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼" in. 0 ft. to 27.36 ft.
- in. - ft. to - ft.
Rig Used ESE WELL SERVICE TRUCK
Screen Interval 16.52 ft. to 27.36 ft.
- ft. to - ft.
Pump (Type/Capacity) GRUNDFOS / 7GPM
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.70 ft.
Measured Well Depth TOC (Initial) 29.12 ft.
(Final) 29.12 ft.
Bottom of Screen (Below G.L.) 27.36 ft.
Water Level TOC/Date/Time (Initial) 25.72 / 09-03-87 / 0932
(after 24 hrs.) 25.73 / 09/25/87 / 14:30
Feet of Water in Well 3.4 ft. x 2.32 gallons/foot = 7.89 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 5 DO 7.9 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 39.5 gallons
Added Water ~ gallons
Total Purge Volume 1000 gallons
Casing/Anulus Volume 7.89 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Ø 21 SN: 015903
pH 7.00 = 7.00 at 23.8 °C, pH 10.00 = 10.02 at 24.5 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1413 umhos/cm at 25°, Reading 1412 umhos/cm at 25 °C

Purge Volume		Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial	0.0	1024	23.9	8.41	1945	Very cloudy (muddy) w/ orange-brown silt.
	10	1040	17.0	7.69	2110	Cloudy w/ orange-brown silt.
	20	1050	16.4	7.71	2060	Slightly cloudy, w/ brn silt
	30	11:00	16.7	7.82	~100	Slightly Cloudy w/ brn. silt
	40	11:10	16.7	7.88	2080	Slightly Cloudy
Final	50	11:30	16.7	7.70	2100	Slightly cloudy w/ brown silt.

Remarks: Initial HNU (TOC) = 0.0 ppm
Flow rate = 1 gpm.

Collected by [signature] 09/03/87
Signature Date

Checked by [signature] 11-1-87
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
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WELL DEVELOPMENT DATA

Bore EP-74A Well 24196

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 09/03/87
Date Installed 7/23/87
Personnel (Name/Company) DLW/ESE
MTB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12¼ in. 0 ft. to 27.36 ft.
– in. – ft. to – ft.
Rig Used ESE WELL SERVICE TRUCK
Screen Interval 16.52 ft. to 27.36 ft.
– ft. to – ft.
Pump (Type/Capacity) GRUNDFOS / 7GPM
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.70 ft.
Measured Well Depth TOC (Initial) 29.12 ft.
(Final) 29.12 ft.
Bottom of Screen (Below G.L.) 27.36 ft.
Water Level TOC/Date/Time (Initial) 25.73 / 09-03-87 / 0932
(after 24 hrs.) 25.73 / 09-25-87 / 14:30
Feet of Water in Well 3.4 ft. x 2.32 gallons/foot = 7.9 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 7.9 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 39.5 gallons
Added Water 0 gallons
Total Purge Volume 100 gallons
Casing/Anulus Volume 7.9 gallons
Volume Measured By 5 GALLON BUCKET
Surge Technique BAIL / LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015883
pH 7.00 = 6.99 at 28.7 °C, pH 10.00 = 9.99 at 22.0 °C
Conductance Meter Used: CMS DIGITAL SN: 11741
Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 60	1143	16.7	7.54	2120	very slightly cloudy.
70	1156	16.9	7.63	2100	Slightly cloudy w/ brown silt.
80	1209	17.2	7.54	2120	cloudy w/ brown silt.
90	1225	17.4	7.51	2110	Slightly cloudy w/ brown silt.
100	1237	17.1	7.45	2110	very slightly cloudy.
Final —					Dry

Remarks: Recalibration before 100 gallon volume.
Flow rate = 0.72 gpm.
turb(TEC) = 0.1 ppm @ 80 gallon vol.

Collected by DLW 09 03 87
Signature Date
Checked by [signature] 10/5/87
Signature Date

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-I
ENGLEWOOD, COLORADO 80112 • 303/741-0839

WELL CONSTRUCTION SUMMARY

Borehole EP-74D1 Well 24197

Project Name and Location RMA section 24 MW installation Project Number T44

Drilling Company Boyles Bros Driller Bob Roach Rig Number Failing 1500

Drilling Method(s) Rotary

Borehole Diameter 16¼ in. ____ cm. 0 ft. ____ cm. to 30.5 ft. ____ cm.
7⅞ in. ____ cm. 30.5 ft. ____ cm. to 69.5 ft. ____ cm.

Size(s) and types of Bit(s) 6¼" blade, 7⅞" blade

Size and Type PVC 4" sched.

Total Borehole Depth	69.5 ft.	____ cm.	
Depth to Bedrock	25.5 ft.	____ cm.	
Depth to Water	— ft.	____ cm.	
Water Level Determined By	—		
Length Plain PVC (total)	60.31 ft.	____ cm.	
Length of Screen	10.69 ft.	____ cm.	
Total Length of Well Casing	71.0 ft.	____ cm.	
PVC Stick Up	1.70 ft.	____ cm.	
Depth to Bottom of Screen	69.30 ~~69.04~~ SP ft.	____ cm.	
Depth to Top of Screen	58.35 ft.	____ cm.	
Depth to Top of Sand	55.74 ft.	____ cm.	
Depth to Top of Bentonite	50.64 ft.	____ cm.	

Sampling Method(s) —

Date/Time Start Drilling 8/24/87 0737

Date/Time Finish Drilling 8/27/87 0950

Date/Time Start Completion 8/27/87 1117

Date/Time Cement Protective Casing 8/25/87 1135

Materials Used 2 centralizers, weep cap

Plain PVC 6 - 10' sections

Slotted PVC 1 - 10' section

Bentonite Pellets 1 2/3 buckets

Bentonite Granular 180 lbs

Cement 36 bags

Sand 2¾ bags

Water added during completion —

Water added during drilling —

Total Gallons of water added 0

Drill Site Geologist Steve Pass

Date 9/3/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 9/1/87 1530 DW [illegible]

Date/Time/Personnel Casing Painted 9/1/87 1530 DW [illegible]

Date/Time/Personnel Numbers Painted 8/28/87 1030 DMP [illegible]

Materials Used 10 bags of Aubarite

Top of Protective Casing to Top of PVC	0.39 ft.	____ cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.40 ft.	____ cm.	
Top of Protective Casing to Internal Mortar	1.50 ft.	____ cm.	
Top of Protective Casing to Top of Cement Pad	1.80 ft.	____ cm.	
Top of Protective Casing to Ground Level	2.10 ft.	____ cm.	

Reviewed By [signature] Date 9/1/87

Drill Site Geologist [signature] Date 9/1/87

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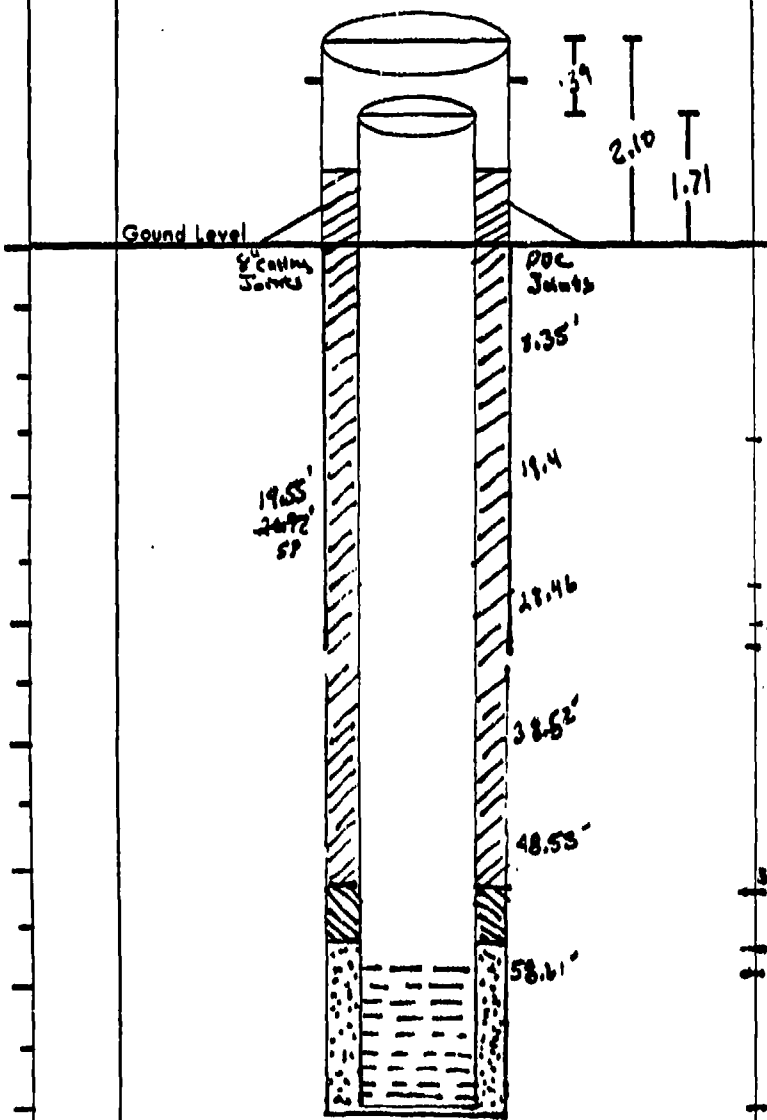
Borehole: EP-7401 Well: 24197

Depth-Feet	Soil/Rock Type	Well Completion	Description
			

Drill Site Geologist: [signature] Date: 9/10/87

Reviewed By: [signature] Date: 9/11/87

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WELL DEVELOPMENT DATA

Bore EP-74D1 Well 24197

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 9/22/87
Date Installed 8/27/87
Personnel (Name/Company) DLW/ESE
DJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16¼ in. 0 ft. to 30.5 ft.
23 in. 30.5 ft. to 67.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Screen Interval 58.35 ft. to 69.30 ft.
Pump (Type/Capacity) GRUNDFOS/7GPM
Baller (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 71.07 ft.
(Final) ft.
Bottom of Screen (Below G.L.) 69.30 ft.
Water Level TOC/Date/Time (Initial) 30.45 / 9-22-87 / 0838
(after 24 hrs.) 31.22 / 10-7-87 / 1635
Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.5 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 40 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 200 gallons
Added Water 0 gallons
Total Purge Volume 200 gallons
Casing/Anulus Volume 26.5 gallons
Volume Measured By 5 GALLON BUCKET / TIMER
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ21 SN: 01583
pH 7.00 = 7.04 at 13.1 °C, pH 10.00 = 10.14 at 13.1 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	0910	14.2	8.70	544	very cloudy w/ dark gray silt
DEWATERED @ 30	0937	13.5	9.56	386	partly cloudy w/ gray silt
Dewatered @ 37	1122	10.5	9.38	404	murky w/ gray silt
Final					

Bottom of screen = 69.3 ft
Top of sand = 55.74 ft
13.56 ft = height of sand.

Remarks: Initial flow (TOC) = 0.0 gpm.
Initial pumping rate = 1.25 gpm

Sand pack vol: 13.56 ft x 0.852 gal/ft = 11.5 gallons
1 Purge vol: 26.5 gal (casing vol)
+ 13.6 gal (sand pack vol)

Collected by [signature] 9/22/87 (Signature / Date)
Checked by [signature] 11/1/87 (Signature / Date)

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WELL DEVELOPMENT DATA

Bore EP-7401 Well 24197

Project RMA - ON-POST
Project Number T.S.K.44
Date(s) Developed 4/22/87
Date Installed 4/27/87
Personnel (Name/Company) DLW/EEE, PJB/EEE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16½ in. 0 ft. to 30.5 ft.
7.3 in. 30.5 ft. to 69.5 ft.
Rig Used EEE water service truck
Screen Interval 58.35 ft. to 68.30 ft.
Pump (Type/Capacity) N/A
Bailer (Type/Capacity) 3.25" x 2.0'
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 71.01 ft.
(Final) ft.
Bottom of Screen (Below G.L.) 69.30 ft.
Water Level TOC/Date/Time (Initial) 30.45 / 4-22-87 / 0930
(after 24 hrs.)
Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.5 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 40 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 200 gallons
Added Water 0 gallons
Total Purge Volume 200 gallons
Casing/Anulus Volume 26.5 gallons
Volume Measured By 5 gallon bucket
Surge Technique Bailing

Calibration: pH Meter Used: BECKMAN 621 SN# 015883
pH 7.00 = 7.03 at 16.7 °C, pH 10.00 = 10.10 at 16.6 °C
Conductance Meter Used: CDM3 Digital SN# 11341
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 37 gal	0915	12.4	8.34	914	clear
50 gal	0927	12.1	8.30	946	[illegible] clear
67 gal	0946	12.4	8.24	893	clear w/ grey silt
		Developed			
Final					

Remarks: Static water TOC = 30.45' on 4/22/87 at 0905
Well developed w/ 200 gallons

1 Volume vol. = 26.5 gal (casing vol)
= 136 gal / Sand pack vol
162.1 gal

Collected by DLW/EEE 4/22/87
Signature Date
Checked by [signature] 6/11/88
Signature Date

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WELL DEVELOPMENT DATA

Bore EP-74 D/ Well 24197

Project RMA ON Post Project Number [illegible] Task 4th

Date(s) Developed 09-24-87 Date Installed 8/27/87

Personnel (Name/Company) PJB ESE

GLV ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 6 1/4 in. 0 ft. to 22.5 ft.

2 7/8 in. 22.5 ft. to 68.5 ft.

Rig Used ESE Well Service Truck

Pump (Type/Capacity) GeoTech - ISCO 1.3gpm Screen Interval 58.35 ft. to 68.30 ft.

Bailer (Type/Capacity) N/A ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 71.07 ft. Bottom of Screen (Below G.L.) 68.30 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 30.45 / 09-22-87 / 0838

(after 24 hrs.)

Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.5 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 40 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 200 gallons

Added Water 0 gallons Total Purge Volume 200 gallons

Casing/Anulus Volume 26.5 gallons Volume Measured By 5 gal Bucket

Surge Technique Raise Pump

Calibration: pH Meter Used: Beckman 0 SI SN 015883

pH 7.00 = 7.03 at 7.4 °C, pH 10.00 = 10.10 at 12.1 °C

Conductance Meter Used: CMS Dig. 4A/ SN 1134/

Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 67gal.	0910	13.1	8.20	1060	slightly milky, little silt, trace fine sand
100gal.	1007	16.2 +5.8 GLV	8.16 -0.43 GLV	856	slightly milky, some silt, trace fine sand
			GLV		
				well Dewatered	
Final 100gal					

Remarks: Well Dewatered after pumping another 33 gallons

HNU TOC 2.5 Background 0.1

26.5 gal (CASING VOL)

13.5 x 2

Collected by [signature] 9-24-87

Signature Date

Checked by [signature] 9/24/87

Signature Date

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WELL DEVELOPMENT DATA

Bore FO 74 D-1 Well 24197

Project RMA ON Post Project Number 87937 0210 TASK 44

Date(s) Developed 09-25-87 Date Installed 08-27-87

Personnel (Name/Company) PJB ESE Well Diameter (I.D.) 4 in.

GLV ESE Anulus Diameter 16½ in. 0 ft. to 30.5 ft.

Rig Used ESE Well Service Truck 7⅞ in. 30.5 ft. to 69.5 ft.

Pump (Type/Capacity) Geotech/Isco 1.3 GPM Screen Interval 58.35 ft. to 68.30 ft.

Bailer (Type/Capacity) N/A ft. to ft.

Water Source RMA Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 71.07 ft. Bottom of Screen (Below G.L.) 69.30 ft.

(Final) ft.

Water Level TOC/Date/Time (Initial) 30.45 / 09-22-87 / 0838

(after 24 hrs.)

Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.50 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 40 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 200 gallons

Added Water 0 gallons Total Purge Volume 200 gallons

Casing/Anulus Volume 26.5 gallons Volume Measured By 5 gal Bucket

Surge Technique Raise & Lower Pump

Calibration: pH Meter Used: Beckman 021 SN 015-883

pH 7.00 = 7.01 at 20.3 °C, pH 10.00 = 10.06 at 20.4 °C

Conductance Meter Used: CMS Digital SN 11341

Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 100	11:30	14.3	8.08	1072	Clear
115	11:45	15.0	8.08	1006	Clear
130	12:20	15.0	8.21	920	Clear
				SAV	
Final					

Remarks: Well TOC 0.4 Backyround 0.4

Casing Vol 26.5
Sand Pack 13.6
PJB
40.1

Collected by [signature] Date

Checked by [signature] Date 9/1/87

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WELL DEVELOPMENT DATA

Bore EF 74 D-1 Well 24197

Project RMA On Post

Project Number 87537 C E1C TASK 44

Date(s) Developed 09-28-87

Date Installed 08-27-87

Personnel (Name/Company) PTB ESE / GLV ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 16 1/4 in. 0 ft. to 30.5 ft.; 7 7/8 in. 30.5 ft. to 69.5 ft.

Rig Used ESE Well Service Truck

Pump (Type/Capacity) Geotech / ISCO 1.3 GPM

Screen Interval 58.35 ft. to 69.30 ft.; ___ ft. to ___ ft.

Bailer (Type/Capacity) N/A

Water Source RMA

Casing Height (Above G.L.) 1.7 ft.

Measured Well Depth TOC (Initial) 71.07 ft. (Final) ___ ft.

Bottom of Screen (Below G.L.) 69.30 ft.

Water Level TOC/Date/Time (Initial) 30.45 / 09-22-87 / 0838

(after 24 hrs.) ___

Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.50 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons

One Purge Volume 40 gallons

Purge Water Lost N/A gallons

Minimum Purge Volume 200 gallons

Added Water 0 gallons

Total Purge Volume 200 gallons

Casing/Anulus Volume 26.5 gallons

Volume Measured By 5 gal Bucket

Surge Technique Raise & Lower Pump

Calibration: pH Meter Used: Beckman ϕ 21 SN 015883

pH 7.00 = 7.04 at 14.7 °C, pH 10.00 = ~~26.50~~ 10.14 at 13.~~[illegible]~~ °C

Conductance Meter Used: Cms Digital SN 11341

Standard 1413 umhos/cm at 25°, Reading 1415 umhos/cm at [illegible] °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25 °C	Physical Characteristics (clarity, odor, sand content, color)
Initial 130	0920	11.4	8.32	1200	Clear [illegible] Silty Sand
145	0938	11.3	8.33	1036	Clear
165	1003	11.7	8.37	1084	Clear [illegible]
Final					

Remarks: [illegible] Encountered at 55 gallons

[illegible] Sand Pack [illegible]

Collected by [illegible signature] Signature Date

Checked by [illegible signature] 4/1/88 Signature Date

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SHEET 6 OF 6

WELL DEVELOPMENT DATA

Bore EF74 D-L   Well 2497

Project RMA ON Post
Project Number 87937 0210 TASK 44
Date(s) Developed 09-30-87
Date Installed 08-27-87
Personnel (Name/Company) PJB ESE / GLH ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16¼ in. 0 ft. to 30.5 ft.; 7⅞ in. 30.5 ft. to 69.5 ft.
Rig Used ESE Well Service Truck
Pump (Type/Capacity) Geotech/ISCO 1.3GPM
Screen Interval 58.35 ft. to 69.30 ft.; ___ ft. to ___ ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 71.07 ft. (Final) ___ ft.
Bottom of Screen (Below G.L.) 69.30 ft.
Water Level TOC/Date/Time (Initial) 30.45 / 09-22-87 / 0838
(after 24 hrs.) 31.22 / 10-7-87 / 1635
Feet of Water in Well 40.62 ft. x 0.653 gallons/foot = 26.5 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 40 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 200 gallons
Added Water 0 gallons
Total Purge Volume 200 gallons
Casing/Anulus Volume 26.5 gallons
Volume Measured By 5 gal Bucket
Surge Technique Raise + Lower Pump

Calibration: pH Meter Used: Beckman G 21 SN 015885
pH 7.00 = 7.03 at 15.3 °C, pH 10.00 = 10.13 at 14.5 °C
Conductance Meter Used: ~~GMS Digital~~ SN 1ST
Standard ______ umhos/cm at 25°, Reading ______ umhos/cm at ______ °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 165	1105	13.7	8.24	1107	clear, [illegible]
180	1139	13.3	8.33	1016	clear
200	12:10	13.1	8.51	886	clear
Final 200					PJB

Remarks: High TOC O.T. Background O.C. W/L 33.65

Collected by [signature] Signature Date

Checked by [signature] Signature [illegible] Date

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WELL CONSTRUCTION SUMMARY

Borehole EP-74 DZ Well 24198

Project Name and Location Section 24 Mentin Well Project Number T41

Drilling Company Boyle Bros. Driller R. Roesh Rig Number Failing 500

Drilling Method(s) rotary

Borehole Diameter	16¼"	in.	cm.	0	ft.	cm. to	21	ft. cm.
	12¼"	in.	cm.	81	ft.	cm. to	74.50	ft. cm.
	7⅞"			74.50 ft		to	117.00 ft.	

Size(s) and types of Bit(s) 16¼" blade, 12¼" blade, 7⅞" blade

Size and Type PVC 4" sched 40

Total Borehole Depth 117.0 ft. cm.

Depth to Bedrock 25.5 ft. cm.

Depth to Water — ft. cm.

Water Level Determined By —

Length Plain PVC (total) 80.80 ft. cm.

Length of Screen 37.24 ft. cm.

Total Length of Well Casing 118.04 ft. cm.

PVC Stick Up 1.70 ft. cm.

Depth to Bottom of Screen 116.34 ft. cm.

Depth to Top of Screen 79.10 ft. cm.

Depth to Top of Sand 73.7 ft. cm.

Depth to Top of Bentonite 67.25 ft. cm.

Sampling Method(s) not sampled

Date/Time Start Drilling 8/28/87 0715

Date/Time Finish Drilling 9/2/87 1125

Date/Time Start Completion 9/2/87 1135

Date/Time Cement Protective Casing 9/1/87 1625

Materials Used lockable cap, lock

Plain PVC 8-10' sections, 1 cut off section

Slotted PVC 3-10' sections, 1-5 ft section

Bentonite Pellets 1 2/3 buckets

Bentonite Granular 5½ buckets

Cement 54 bags

Sand 9 bags

Water added during completion —

Water added during drilling 100 gal

Total Gallons of water added 100 gal

Drill Site Geologist Steve Parks Date 9/9/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 9/1/87 [illegible]

Date/Time/Personnel Casing Painted 9/11/87 0930 DLW 4 >5C'

Date/Time/Personnel Numbers Painted 3/23/88 1000 SMP 1 R12

Materials Used 10 bags of bentonite

Top of Protective Casing to Top of PVC	0.27 ft.	cm.	COMMENTS/NOTES
Top of Protective Casing to Weep Hole	1.40 ft.	cm.	
Top of Protective Casing to Internal Mortar	1.42 ft.	cm.	
Top of Protective Casing to Top of Cement Pad	1.70 ft.	cm.	
Top of Protective Casing to Ground Level	2.0 ft.	cm.	

Reviewed By [signature] Date 9/11/87

Drill Site Geologist [signature] Date 9/11/87

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Borehole: EP-75D2 Well: 24198

Depth-Feet	Soil/Rock Type	Well Completion	Description
10		0.3	
20		1.3' 2.0 1.7	
30		Gound Level	
40		6" casing Joints 12" casing Joints PVC Joints Centralizer	
50		11.91' 20.62' 8.73' 18.76' 28.81' 38.88' 48.94' 58.99'	
60		32.18' 53.9'	
70		69.04' 79.1' 84.54' 95.08' 105.62'	69.44' 67.25' top of bentonite 73.7 Top of SAND 74.46 Bottom of 5" casing 79.10 Top of Screen
80			
90			
100			
110			116.34' Bottom of screen 117.0' Total drilled depth
120			

Drill Site Geologist: Steve Parker Date: 9/10/87

Reviewed By: [illegible] Date: [illegible]

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SHEET 1 OF 1

WELL DEVELOPMENT DATA

Bore EP-7402 Well 24188

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 9/22/87
Date Installed 9/2/87
Personnel (Name/Company) DLW/ESE, PJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 10¼ in. 0 ft. to 31 ft.; 12¼ in. 31 ft. to 74.50 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7 GPM
Screen Interval * 79.1 ft. to 116.34 ft.; ____ ft. to ____ ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 117.45 ft. (Final) ____ ft.
Bottom of Screen (Below G.L.) 116.34 ft.
Water Level TOC/Date/Time (Initial) 31.25/9-22-87/1055
(after 24 hrs.) 31.72/9-23-87/1445
Feet of Water in Well 86.2 ft. × 0.653 gallons/foot = 56.3 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
** One Purge Volume 192.6 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 963 gallons
Added Water 100 gallons
Total Purge Volume 1000 gallons
Casing/Anulus Volume 56.3 gallons
Volume Measured By 55 GAL. DRUM
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN [illegible] SN: [illegible]
pH 7.00 = 7.00 at 22.4 °C, pH 10.00 = 10.07 at 22.5 °C
Conductance Meter Used: [illegible] DIGITAL SN: 11341
Standard 1413 umhos/cm at 25°, Reading 1415 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0 gal.	1321	15.6	11.86	1433	cloudy w/ gray silt & fine black fine sand
100 gal.	1431	14.2	11.41	615	clear w/ black sand [illegible]
200 gal.	1522	15.4	10.55	441	clear w/ black sand, [illegible]
270	1552	15.6	10.21	421	[illegible]
Final					

Sandpack layer: Bottom of screen = 116.34; Top of sand = [illegible]

Remarks: Turbid flow (test): [illegible]
* FINAL ANALYSIS [illegible] TO 117.5' [illegible]
Flow rate - [illegible] gpm / 2.1 gpm.
Sandpack vol. [illegible] × 0.352 [illegible] = 36.3 gal

Collected by [illegible signature] Signature [illegible] Date

** 1 Purge vol. = 56.3 gal (casing vol.)
36.3 gal (sandpack vol.)
+ 100 gal (added water)
192.6 gal

Checked by [illegible signature] Signature 4/1/88 Date

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WELL DEVELOPMENT DATA

Bore EP-74 D2 Well 24198

Project RMA ON-POST
Project Number THSE 44
Date(s) Developed 9/23/87
Date Installed 9/2/87
Personnel (Name/Company) DLW/ESE, PJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16¼ in. 0 ft. to 31 ft.
* 12¼ in. 31 ft. to 74.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 26 GPM
Screen Interval 79.1 ft. to 116.34 ft.
Bailer (Type/Capacity) N/A
____ ft. to ____ ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 117.45 ft.
Bottom of Screen (Below G.L.) 116.34 ft.
(Final) ____ ft.
Water Level TOC/Date/Time (Initial) 31.25 / 9-22-87 / 1055
(after 24 hrs.) 31.72 / 9-23-87 / 1445
Feet of Water in Well 86.2 ft. x 0.653 gallons/foot = 56.3 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume ** 192.6 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 561 gallons
Added Water 100 gallons
Total Purge Volume 1000 gallons
Casing/Anulus Volume 56.3 gallons
Volume Measured By 55 GALLON DRUM
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ21 SN: 015833
pH 7.00 = 7.02 at 19.3 °C, pH 10.00 = 10.07 at 19.2 °C
Conductance Meter Used: CDM2 DIGITAL SN: 21341
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 270	1022	13.5	10.80	462	mostly clear
400	1035	13.5	10.19	445	mostly clear
500	1050	13.7	9.95	420	clear
600	1107	13.3	9.91	414	clear
700	1123	~~15.6~~ 15.2 DW	9.74	415	clear
~~Final~~ 800	1135	15.6	9.75	413	clear

Remarks: Initial NH4 (TDC) = 0.0 ppm Water level = 32.7
* Final Anulus Dia = 7⅞" 31.5 to 117.0
Flow rate = 2.5 gpm

** 1 Purge vol.: 56.3 gal (casing vol.)
56.3 gal (saturated vol.)
+ 100.0 gal (initial water)
192.6 gallons

Collected by [signature] 9/23/87
Signature Date
Checked by [signature] 9/1/88
Signature Date

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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore E12-74D2 Well 24198

Project RMA ON-POST
Project Number TASK 44
Date(s) Developed 9/23/87
Date Installed 9/2/87
Personnel (Name/Company) DLW/ESE, DJB/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16¼ in. 0 ft. to 31 ft.
* 12¼ in. 31 ft. to 74.5 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 26 GPM
Screen Interval 79.1 ft. to 116.34 ft.
Bailer (Type/Capacity) N/A
ft. to ft.
Water Source RMA
Casing Height (Above G.L.) 1.7 ft.
Measured Well Depth TOC (Initial) 117.45 ft. (Final) 118.18 ft.
Bottom of Screen (Below G.L.) 116.34 ft.
Water Level TOC/Date/Time (Initial) 31.25/9-22-87/1055
(after 24 hrs.) 31.72 / 09-25-87/ 04:45
Feet of Water in Well 86.2 ft. x 0.653 gallons/foot = 56.3 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume ** 192.6 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 963 gallons
Added Water 100 gallons
Total Purge Volume 1000 gallons
Casing/Anulus Volume 56.3 gallons
Volume Measured By 55 GAL DRUM
Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN ф 31 SN: C15883
pH 7.00 = 7.02 at 19.3 °C, pH 10.00 = 10.07 at 15.2 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
~~Initial~~ 900	1146	13.7	9.50	421	clear
FINAL 1000	1158	13.8	9.42	415	clear
~~Final~~					

Remarks: Initial HNU (TOC) = 0.0 ppm Water level = 31.7/9 23 87/1005
* FINAL ANNULUS DIA = 12" 74.5' TO 117.0'
FLOW RATE = 10 gpm

** 1 Purge vol. = 56.3 gal (casing vol.)
36.3 gal (sand pack vol.)
100.0 gal (added water)
192.6 gallons

Collected by [signature] Signature 9/23/87 Date
Checked by [signature] Signature 4/1/88 Date

EP-75

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BOREHOLE SUMMARY LOG

Borehole EB-75 Well

Project Name and Location T44 MW installation Project Number Task 44

Drilling Company Boyles Driller B. Roach Rig Number Failing 1500

Drilling Method(s) rotary

Size(s) and type(s) of bit(s) 7 7/8" tricone, 11 1/2" auger

Borehole Diameter 11 1/2 in. ____ cm. 0 ft. ____ cm. to 31 ft. ____ cm.

7 7/8 in. ____ cm. 31 ft. ____ cm. to 122 ft. ____ cm.

Sampling Methods continuous core

Total Number Soil Sampling Tubes —

Total Number Core Boxes 9

Number of Gallons Lost Drilling Fluid —

Date/Time Started Drilling 7.24.87 0706

Date/Time Completed Drilling 7.27.87 1124

Total Borehold Depth 122 ft. ____ cm.

Depth to Bedrock 88.9 ft. ____ cm.

Depth to Water 23 ft. ____ cm.

Water Level Determined By? sounding tape measure

Borehole Completed as Monitoring Well? NO

Date/Time Grouting Completed 7.29.87 0719

Depth of Tremmie Pipe 120'

Gallons of Grout 90

Materials Used 9 bags cement, 90 gals. water, 1 bag bentonite

Comments grouted to surface, pulled PVC out of hole

Wellsite Geologist C D Benson Date 7.29.87

Checked for Grout Settlement on 7/30/87 by Steve Pace

Amount of Grout Added none needed

All Measurements from Ground Level

Reviewed by Steve Pace Date 2/19/88

Drill Site Geologist ____ Date ____

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SHEET 1 OF 1

Borehole: EP-75A Well Number: 23223

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
1'	1 0.0'-2.0'	1.2'/2.0'	SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL	CL	CLAY, 20% silt, 10YR 5/4, yellowish brown, stiff, moist, medium plastic
2'						
3'	2 2.0'-4.0'	1.1'/2.0'			CL	Clay, 30% silt, 10YR 5/3, brow, medium stiff, moist, medium plastic, 10% Sand, fine to coarse grained
4'						
5'	3 4.0'-6.0'	1.0'/2.0'				
6'						
7'	4 6.0'-7.0'	.9'/1.0'			CL	CLAY, 35% Sand, fine to very coarse grained sand 10YR 8/4, very pale brown, moist, medium stiff, medium plastic, calcareous
8'	5 7.0'-8.0'	1.0'/1.0'				
9'	6 8.0'-10.0'	1.35'/2.0'			SM	Silty Sand, 20% silt, fine to very coarse grained Sand, 2.5Y 6/4, light yellowish brown, moist medium dense, non plastic, ~~medium dense~~
10'						

Drill Site Geologist: Steve Rapp Date: 7/23/87

Reviewed By: Joseph L. Reid Date: 9/29/87

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STREET ___ OF ___

Borehole: EP-75A Well Number: 23223

Depth-feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
11'	7 10.0'-12.0'	0.8'/2.0'	SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL	SM	Silty SAND, (see pg 1)
12'						
13'	8 12.0'-14.0'	1.05'/2.0'			SC	Clayey SAND, 12% clay, fine to very coarse grained sand, 10% fine to medium gravel, 2.5Y 6/4 light yellowish brown, moist, v. low plastic, medium dense
14'						
15	9 14.0'-16.0'	1.05'/2.0'			SP	SAND, Poorly graded, fine to very coarse grained sand, 5% fine to medium gravel, 2.5Y 6/4, light yellowish brown, moist, non plastic, medium dense
16						
	10 16.0'-17.0'	.95'/1.0'			GP	Poorly graded gravel, 40% sand, medium to v. coarse grained, 2.5Y 6/4, light yellowish brown moist, non plastic medium dense
17						
	11 17.0'-18.0'	.95'/1.0'			SP	Poorly graded SANDS, fine to very coarse grained sand, 5% small gravel, 2.5Y 6/4, light yellowish brown moist, non plastic medium dense
18						
	12 18.0'-19.0'	1.0'/1.0'			SC	Clayey SAND, 40% clay, fine to medium grained sand 2.5Y 5/4 light olive brown, dense to very dense, low plastic
19						
	13 19.0'-20.0'	0.7'/1.0'			SM	Silty SAND, 15% silt, fine to medium grained, sand, 2.5Y 6/4 light yellowish brown, moist, medium dense, non plastic
20						
					SC	Clayey SAND, 30% clay, fine to medium grained sand, 2.5Y 5/4 light olive brown, moist, medium stiff to dense, low plastic

Drill Site Geologist: Steve Pardo Date: 7/23/87

Reviewed By: Joseph L. Rice Date: 9/29/87

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Borehole: EP-75A Well Number: 23223

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
			SAME AS TUBE NUMBER	SAME AS TUBE INTERVAL	SC	Clayey sand (see pg 2)
21	14 20.0'-21.0'	1.0'/1.0'			SM	Silty Sand, 15% silt, fine to coarse grained sand, 2.5Y 5/4, light olive brown, medium dense, moist, non plastic
22	15 21.0'-22.0'	1.0'/1.0'				
23	22.0'-23.0'	0.0'/2.0'				
24	16 23.0'-24.0'	1.0'/1.0'			SP	Poorly Graded Sands, Coarse to very coarse grained sands, 5% small gravels, 2.5Y 6/4, light yellowish, brown, medium dense, saturated, non plastic.
25	17 24.0'-25.0'	.75'/1.0'				
26	25.0'-26.0'	0.0'/2.0'				
27	18 26.0'-28.0'	2.0'/2.0'				gravels increase to 10% and size increase to small to medium gravels
28	19 28.0'-29.0'	1.0'/1.0'			GP	Poorly graded gravels, 30% sand, coarse to v. coarse grained, small to med size gravel, 10YR 6/4, light yellowish, brow, medium dense, saturated, non plastic
29						29.8' Claystone Bedrock, 5Y 5/3, Olive, very stiff moist, medium plastic, weathered, blocky
30	20 29.0' 31.0'	0.6'/2.0'				

Drill Site Geologist: Steve Pace Date: 7/23/87

Reviewed By: Joseph L. Reid Date: 9/29/87

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Borehole: EP-75A Well Number: 23223

Depth-Feet	Tube Number Tube Interval	Recovery	Sample Number	Sample Interval	Unified Soil Classification	SOILS LOG Description
31	20 30.0'-31.0'	0.9' 90%	Same as tube Number	Same as tube Interval		Claystone Bedrock (see pg 3)
32	21 31.0'-32.0'	1.0' 100%				TOTAL DEPTH 32.0'

Drill Site Geologist: Steve Pace Date: 7/23/87

Reviewed By: Joseph L. Reed Date: 9/29/87

ESE, Inc. CORE LOG By GHL Date 7-29-87 BORE EP-75 Well(s) _____ Page 1 of 5

Box no.	Depth	Rec. Int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst	sd	gr (mm .01 1.0 100)	Lith. Char.	Lith. Class	Description/Comments CM (Scale 1" = 2 ft)
																						BEDROCK BEGINS AT 28.9' — CASING SET TO 31'
31																						
	32					Th. BDG to LAM									10YR 7/3 light gray						ST	SILTSTONE
		4.5/5.0																		30% silt	SS	SANDSTONE INTERBED
																					ST	
	34					MASSIVE									10YR 6/2 light brownish gray					silt 20%	SS	SANDSTONE INTERBED
						Th. BDG to LAM															CL	CLAYSTONE
	36																					OXIDATION BOUNDARY AT 36'
	38	0/5.0																				
	40																					
	42					MASSIVE									10YR 5/1 gray					30% clay	SS	SANDSTONE INTERBED
																					CL	CLAYSTONE
	44	1.7/5.0																				
	46																					
	48	3.6/5.0													10YR 3/1 very dark gray							

BORE EP-75 WELL(S)

ESE, Inc.

Reviewed By _____ Date _____

ESE, Inc. CORE LOG By GWL Date 7/29/87 BORE EP-75 Well(s) EP-75 Page 2 of 5

BOX No.	DEPTH	Rec. Int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H/L	Perm. 1° H/L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst sd gr .01 1.0 100 mm	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	52	5/5				MASSIVE					CBN 20%		10YR 3/1 VERY DARK GRAY				CL	
	54															20% CLAY	SS	SILTY SANDSTONE
	56										CBN 5%					5% SILT	CL	CLAYSTONE
											CBN 25%							GWL
	58	4.5/5									CBN 10%							
	60																	
	62	4.5/5.0									CBN 5%					15% SILT		
																20% SILT		
	64					MASSIVE HEAVILY FRACTURED										10% SILT	SS	SILTY SANDSTONE
	66																CL	CLAYSTONE
						INTBD										15% CLAY	SS	SANDSTONE
	68	4.0/4.0																CLAYSTONE INTRAFMS
						INTRAFM. FRACTURES					CBN 15%						CL	CLAYSTONE
						MASSIVE												

ESE, Inc. BORE EP-75 WELL(S)

Reviewed By _____ Date _____

ESE, Inc. CORE LOG By GW/C Date 7/29/87 BORE EP-75 Well(s) _____ Page 3 of 5

Box No.	Depth	Rec. Int.	Weathering U	Weathering S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clst sd gr .01 1.0 100 mm	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	72	2/2				INTENSELY FRACTURED							CBN 10%		10YR 3/1 VERY DARK GRAY			10% SLTST	CL	CLAYSTONE
						MASSIVE							CBN 2%							
	74	6/6																20% SLTST	SS	SILTY SANDSTONE
	76																	10% SLTST		
						INT BDD												40% SAND	CL	CLAYSTONE SS INTRBDS
	78												CBN 5%							
		4.5/5.0											CBN 10%							
						MASSIVE														
	80												CBN 25%					10% SLTST	SS	SANDSTONE
	82																			
	84	3/5																		
	86																			
	88	1.1/2.0																		

ESE, Inc. BORE EP-75 WELL(S)

Reviewed By _____ Date _____

ESE, Inc. CORE LOG By GWL Date 7/20/87 BORE EP-75 Well(s) _____ Page 4 of 5

Box No.	Depth	Rec. Int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size clist sd gr mm .01 1.0 100	Lith. Char.	Lith. Class Ft	Description / Comments CM (Scale 1" = 2 ft)
	92	1.7/2.0				MASSIVE									10YR 3/1	VERY DARK GRAY		10% SILT	SS	SANDSTONE
	94	5/5																		
						INTBDD							CON 5%					20% CLAY	SS	SANDSTONE — CLAYSTONE INTERBEDS
	96																			
	98	4/4				MASSIVE INTERVALS FRACTURED							XLAY CALC						CL	CLAYSTONE — CRYSTALLINE VEINS OF CALCITE 99'-101'
	100																			
	102					MASSIVE									5YR 3/1	DARK OLIVE GRAY				
	104	5/5																		
	106																			
															10YR 3/1	VERY DARK GRAY		10% SILT	SS	SILTY SANDSTONE
	108					INTBDD														
						MASSIVE												10% SILT		
	110																			

BORE EP-75 WELL(S)

ESE, Inc.

Reviewed By _____ Date _____

ESE, Inc. CORE LOG By GWL Date 7/29/87 BORE EP-7S Well(s) _____ Page 5 of 5

BOX (no.)	DEPTH	Rec. Int.	Weath. U	Weath. S	Structure/Bedding Angle	Structure/Bedding Desc.	Hardness S	Hardness H	Perm. 1° L	Perm. 1° H	Perm. 2° L	Perm. 2° H	Mineralogy Min.	Mineralogy Habit	Color M	Color G	Texture/Grain Size cl	st	sd	gr	mm .01	1.0	100	Lith. Char.	Lith. Class Ft	Description/Comments CM (Scale 1" = 2 ft)
	110	5/5				MASSIVE									10YR 3/1	Dark Gray									SS	SANDSTONE
	112																									
	114	5/5				INTBDD							CAR 5%													CLAYSTONE INTRABDS
	116																									
						MASSIVE																			CL	CLAYSTONE
	118	5/5																								
	120																									
	122																									END OF Boring
	124																									
	126																									
	128																									

BORE EP-7S WELL(S)

ESE, Inc.

Reviewed By _____ Date _____

Frontier Logging
Lakewood, Colorado

Company: ESE
Date: JULY 27, 1987
Bore Hole: EP-75
Area/Project: RMA
County: ADAMS COUNTY
State: COLORADO
Section:
Township:
Range:
Elevation:
Log Measured From: Ground Level
Drilling Measured From: Ground Level
Driller Depth: 122 Ft
Bit Size: 3 7/8"
Casing Depth: 31 Ft
Fluid in Hole: Water
Density/Viscosity:
pH: •
Miles Round Trip:
Standby:
Time In: 1135
Time Out: 1205
Unit No.: 110
Operator: Wm. Linton
Location: Lakewood

EQUIPMENT DATA

T.D. Logged: 121 Ft
Natural Gamma: 200 Scale = 20 CPS per inch
Time Constant: 2 Sec
Logging Speed: 15 Ft/Min
Caliper Source No/Value: = CPS
Probe No: 103-1041
Probe Diameter: 1 5/8"
Detector Type Size: xtal 3/4 x 1 1/4"
K Factor: 1.60 x 10⁻⁵
Dead Time: 7 Microsec
Water Factor: 1.10 for hole size 3 7/8"
Casing Factor: for well size
Resistance: 50 ohms/5" Ohms per 5 inches
S.P.: 10 MV/Inch MV per inch

NATURAL GAMMA (ANALOG) (Initial log off scale)

Scale = CPS/in	TC Sec	Logging Speed Ft/Min	From Ft	To Ft	Total Ft

Gamma (Analog) Ft
Gamma (Digital) Ft
Caliper Ft
Temperature Ft

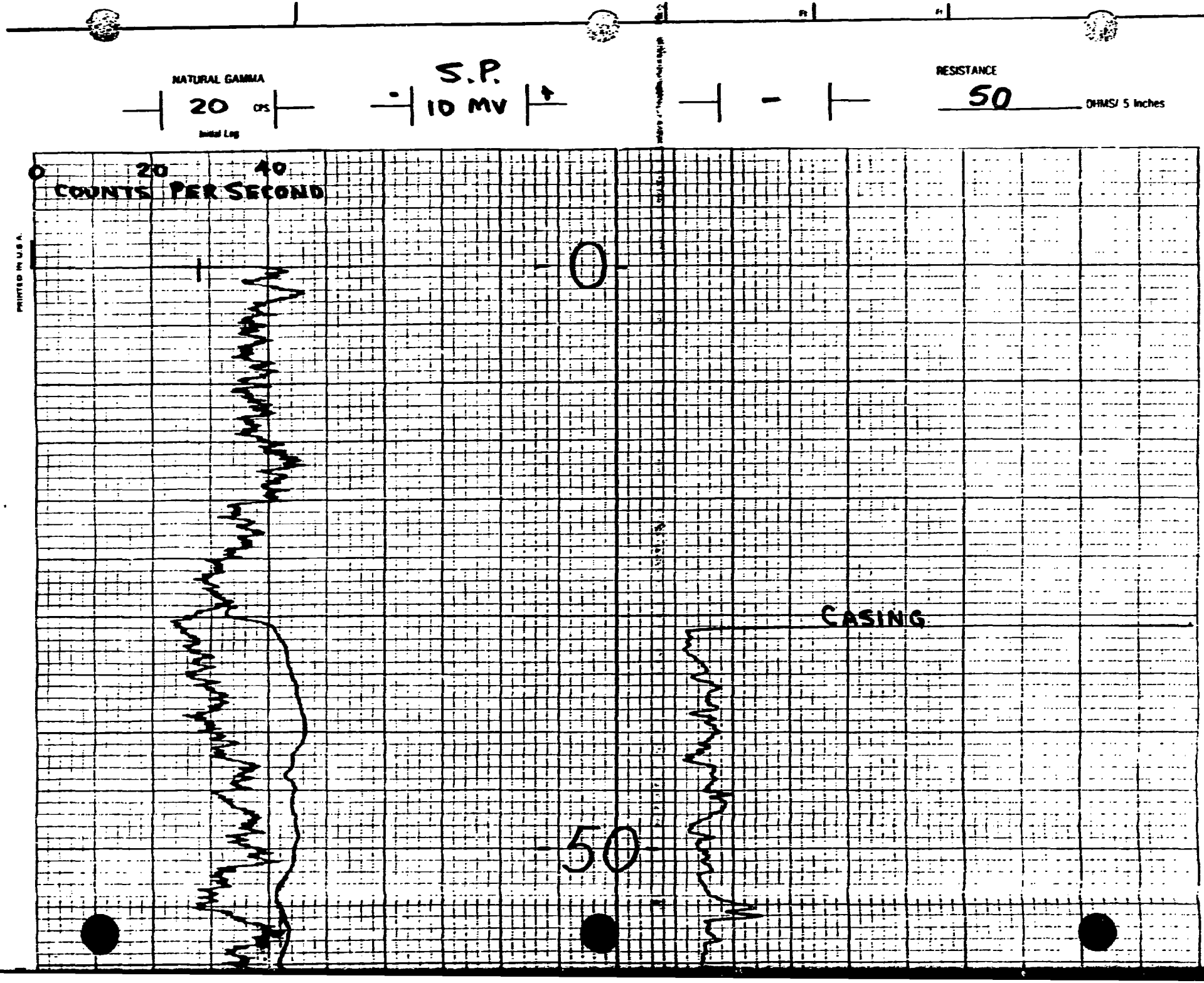
DIRECTIONAL DATA

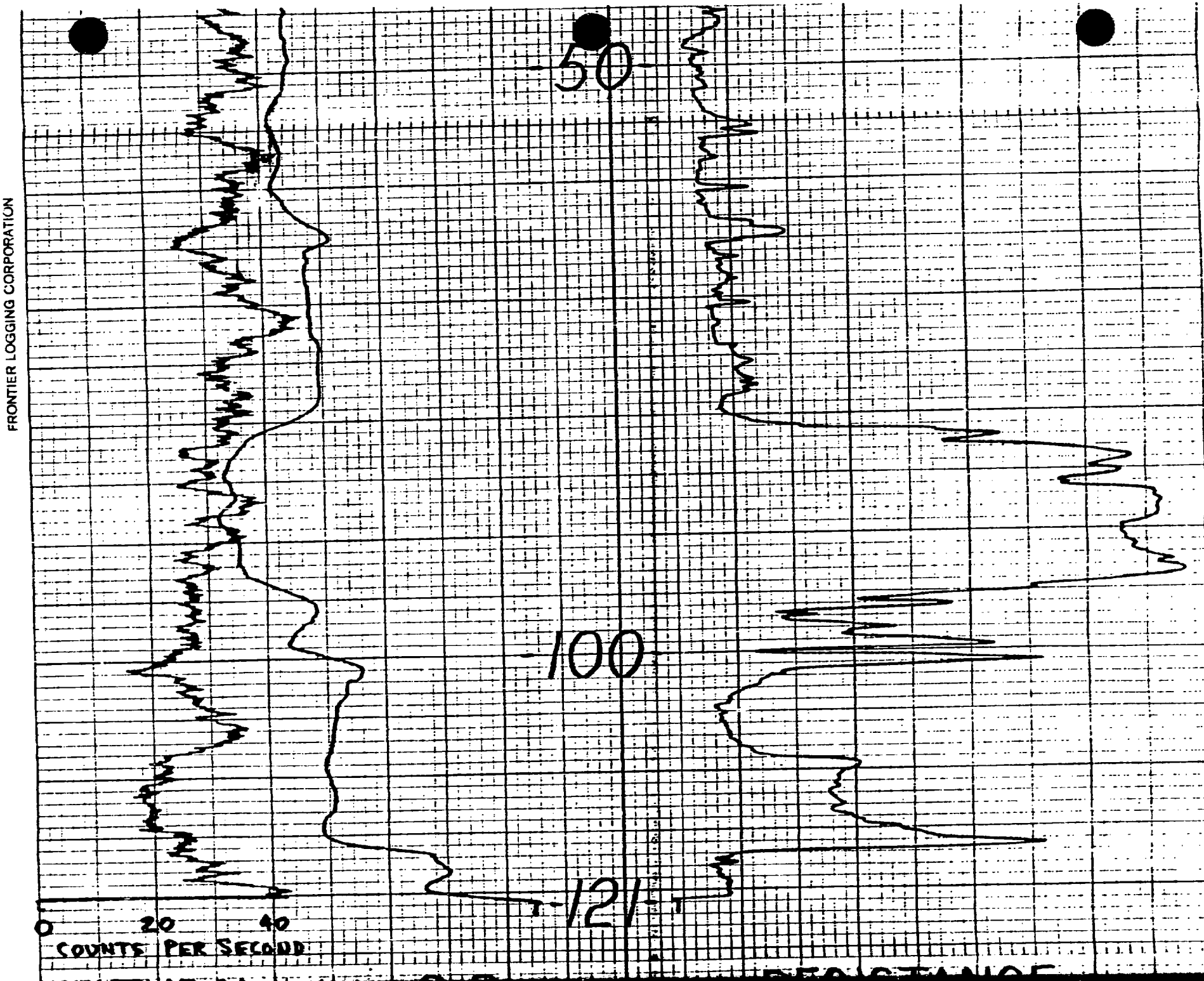
Closure Ft
Azimuth
True Vertical Ft
Survey Depth Ft

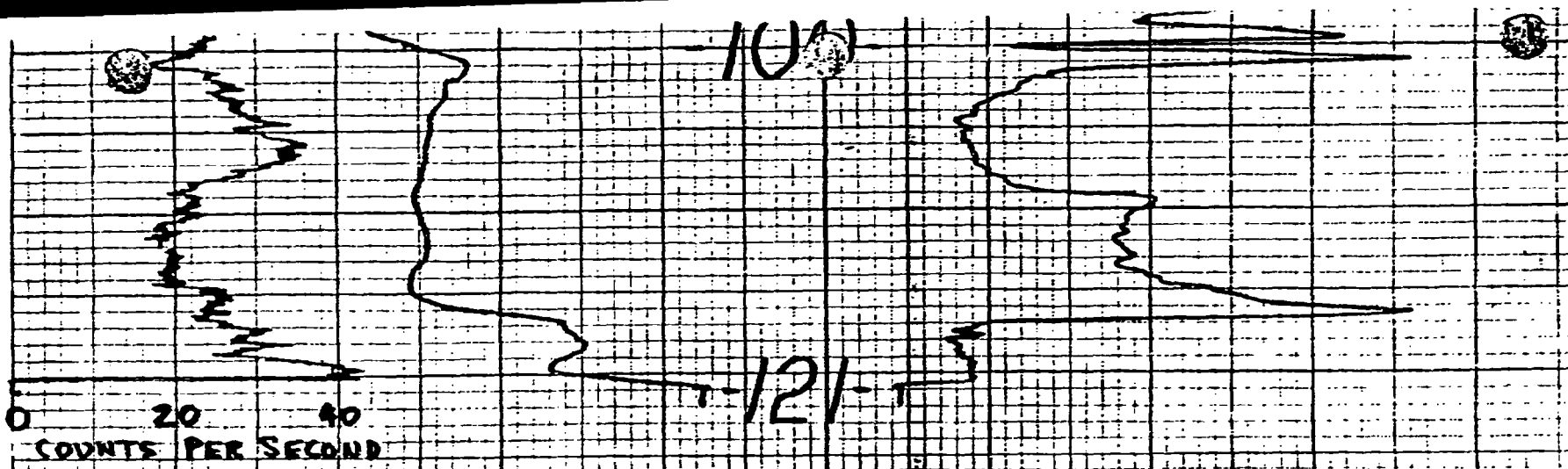
Density Source No
Type Strength
CPS/inch
Neutron Source No
Type Strength
CPS/inch

NATURAL GAMMA — 20 CPS — Initial Log
S.P. — 10 MV
RESISTANCE — 50 OHMS/ 5 inches

0 20 40


NATURAL GAMMA
20 CPS
Initial Log
S.P.
10 MV
RESISTANCE
50
OHMS/ 5 Inches
0 20 40
COUNTS PER SECOND
0
CASING
50
PRINTED IN U.S.A.


FRONTIER LOGGING CORPORATION
50
100
121
0
20
40
COUNTS PER SECOND



NATURAL GAMMA

S.P.
10 MV/INCH

RESISTANCE
50 OHMS/5 INCHES

EP-75

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WELL CONSTRUCTION SUMMARY

Borehole EP-75A Well 23223

Project Name and Location Task 36 SP 44 Section 23 Project Number 879370210

Drilling Company Boyles Bros Driller Don Irvine Rig Number IR

Drilling Method(s) Hollow stem auger 3¼" ID SP 7¼ O.D. Continuous Samplers Reamed with 8¼ ID 12¼ OD Hollow Stem Augers

Borehole Diameter 12¼ in. ____ cm. 0 ft. ____ cm. to 32.0' ft. ____ cm.

____ in. ____ cm. ____ ft. ____ cm. to ____ ft. ____ cm.

Size(s) and types of Bit(s) Hollow Stem Augs 12¼"

Sampling Method(s) continuous hollow stem Augs

Date/Time Start Drilling 7/15/87 0726

Size and Type PVC 4" Sch 40 0.20" slot

Date/Time Finish Drilling 7/16/87 1028

Total Borehole Depth	32.0' ft.	____ cm.	Date/Time Start Completion	7/17/87 0633
Depth to Bedrock	29.8' ft.	____ cm.	Date/Time Cement Protective Casing	7/17/87 0915
Depth to Water	22.7 ft.	____ cm.	Materials Used	3 cem bents, 23' of 2" tubing
Water Level Determined By	sounding + SA angle		Plain PVC	1-10', 2-5' section
Length Plain PVC (total)	17.06 ft.	____ cm.	Slotted PVC	1-10', 1-5' section
Length of Screen	16.21 ft.	____ cm.	Bentonite Pellets	4½ buckets
Total Length of Well Casing	33.27' ft.	____ cm.	Bentonite Granular	1.5 SP. 20 bag
PVC Stick Up	1.70 ft.	____ cm.	Cement	3 bags
Depth to Bottom of Screen	31.57 ft.	____ cm.	Sand	11 bags
Depth to Top of Screen	15.36 ft.	____ cm.	Water added during completion	0
Depth to Top of Sand	11.0' ft.	____ cm.	Water added during drilling	20 gal
Depth to Top of Bentonite	6.0 ft.	____ cm.	Total Gallons of water added	20 gal

Drill Site Geologist Steve Pavia Date 7/17/87

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed ~~7/18/87 7/19/87~~ DW 7/23/87 1100 KLC/S

Date/Time/Personnel Casing Painted 7/23/87 1100

Date/Time/Personnel Numbers Painted 7/23/87 1100

Materials Used 15 80# bags of concrete mix

Top of Protective Casing to Top of PVC	0.3' ft.	____ cm.	COMMENT/NOTES
Top of Protective Casing to Weep Hole	1.1 ft.	____ cm.	
Top of Protective Casing to Internal Mortar	1.24 ft.	____ cm.	
Top of Protective Casing to Top of Cement Pad	1.75 ft.	____ cm.	
Top of Protective Casing to Ground Level	1.80 ft.	____ cm.	

Reviewed By [signature] Date 3-5-88

Drill Site Geologist Steve Pavia Date 2/16/88

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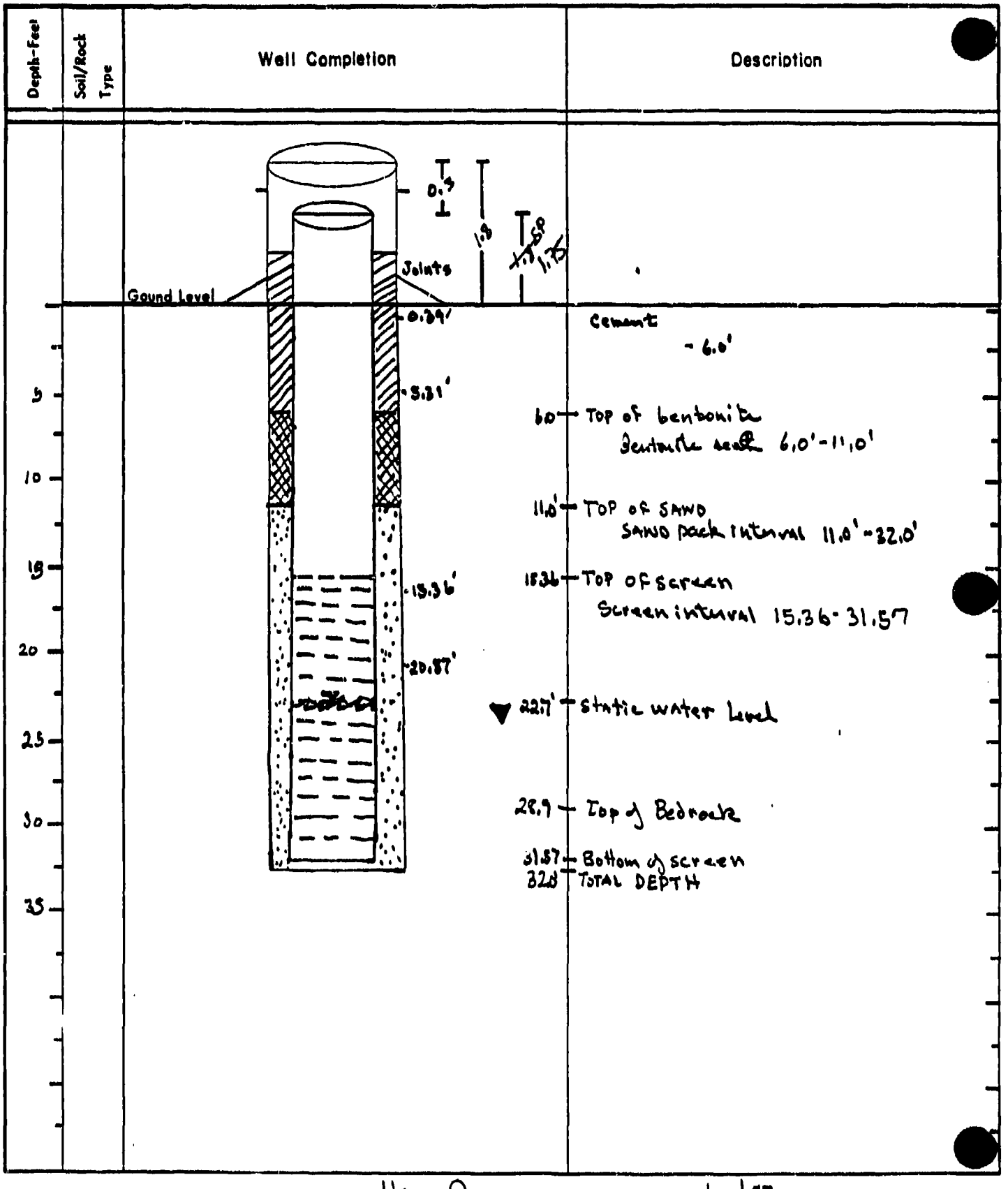
Borehole: EP-75A Well: 23223



Drill Site Geologist: Steve Parks Date: 7/17/87

Reviewed By: C.V Date: 3.2.95

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WELL DEVELOPMENT DATA

Bore EP-75A Well 23223

Project RMA GW-POST Project Number TASK #44

Date(s) Developed 8/4/87 Date Installed 7/17/87

Personnel (Name/Company) DW/ESE Well Diameter (I.D.) 4 in.

JFP / HLA Annulus Diameter 7 3/4 in. 0 ft. to 22 ft.

Rig Used ESE MOBIL SERVICE TRUCK ___ in. ___ ft. to ___ ft.

Pump (Type/Capacity) GRUNDFOS / 7 GPM Screen Interval 15.36 ft. to 31.57 ft.

Bailer (Type/Capacity) N/A ___ ft. to ___ ft.

Water Source RMA Casing Height (Above G.L.) 1.8 ft.

Measured Well Depth TOC (Initial) 33.2 ft. Bottom of Screen (Below G.L.) 31.57 ft.

(Final) 32.92 ft.

Water Level TOC/Date/Time (Initial) 24.2 / 8-4-87 / 1100

(after 24 hrs.) 24.27' / 8-17-87 / 1320

Feet of Water in Well 9.0 ft. x 2.72 gallons/foot = 20.88 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons * One Purge Volume 40.88 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 204.4 gallons

Added Water 20 gallons Total Purge Volume 375 gallons

Casing/Anulus Volume 20.88 gallons Volume Measured By 5 GALLON BUCKET / TAPE

Surge Technique BAILER & LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015867

pH 7.00 = 7.01 at 20.6 °C, pH 10.00 = 10.06 at 20.1 °C

Conductance Meter Used: CMS DIGITAL SN: 14243

Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	1128	22.4	7.35	3560	medium brown, v. silty, some sand.
40	1200	14.6	6.79	7730	cloudy w/ brown silt & some fine sand.
80	1243	15.3	6.74	7610	partly cloudy w/ brown silt & some fine sand.
120	1328	15.6	6.72	7520	mostly clear, some brown silt.
160	1409	15.8	6.76	7520	cloudy w/ lt brown silt.
Final 215	1506	16.2	6.76	7450	mostly clear - some greenish brown silt.

Remarks: Initial flow @ wellhead = 0.8 gpm.

Flow rate = 0.92 gpm. / 0.88 gpm

* Purge Vol = 20.88 casing/annulus vol. + 20.0 water added. = 40.88 gallons

Collected by [signature] 8/4/87 (Signature / Date)

Checked by [signature] 8.5.87 (Signature / Date)

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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-75A Well 23223

Project RMA ON-POST Project Number THSK #44

Date(s) Developed 8/11/87 Date Installed 7/17/87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

PJH/ESE Anulus Diameter 12¼ in. 0 ft. to 32 ft.

Rig Used ESE WELL SERVICE TRUCK ____ in. ____ ft. to ____ ft.

Pump (Type/Capacity) GRUNDFOS/7 GPM Screen Interval 15.36 ft. to 31.57 ft.

Bailor (Type/Capacity) N/A ____ ft. to ____ ft.

Water Source RMA Casing Height (Above G.L.) 1.8 ft.

Measured Well Depth TOC (Initial) 33.2 ft. Bottom of Screen (Below G.L.) 31.57 ft.

(Final) 32.93 ft.

Water Level TOC/Date/Time (Initial) 24.2 / 8-4-87/1100

(after 24 hrs.) 24.27 / 8-17-87/1320

Feet of Water in Well 9.0 ft. x 2.32 gallons/foot = 20.88 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 40.88 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 204.4 gallons

Added Water 20 gallons Total Purge Volume 375 gallons

Casing/Anulus Volume 20.88 gallons Volume Measured By 5 GALLON BUCKET

Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Ø21 SN: 015383

pH 7.00 = 7.00 at 23.7 °C, pH 10.00 = 10.03 at 23.4 °C

Conductance Meter Used: CMS DIGITAL SN: 11341

Standard 1000 umhos/cm at 25°, Reading 1001 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 215	1004	16.5	6.85	7460	cloudy w/ brown silt & black/brown fm. sand.
255	1028	14.6	6.74	7720	mostly clear - some lt. brown silt
295	11:00	15.5	6.69	7690	Mostly clear some silt
335	11:40	15.3	6.67	7750	mostly clear some very fine brown fm. sand.
375	1213	16.0	6.67	7650	clear
Final					DW

Remarks: Initial H₂O level = 0.0 ft

1 Purge vol. = 20.88 casing/anulus vol.
+ 20.00 added water
40.88 gallons

Collected by _____ Signature 8/11/87 Date

Checked by _____ Signature 3.8.88 Date

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WELL CONSTRUCTION SUMMARY

Borehole EP-75D1 Well 23224

Project Name and Location RMA Section 23 Project Number Task 44

Drilling Company Boyles Bros Driller Dan Irvine Rig Number IR

Drilling Method(s) rotary

Borehole Diameter 12½" in. ____ cm. 0 ft. ____ cm. to 32.0' ft. ____ cm.
7⅞" in. ____ cm. 32.0' ft. ____ cm. to 95.0' ft. ____ cm.

Size(s) and types of Bit(s) 12½" blade
7⅞" bit

Size and Type PVC 4" sched 40

Total Borehole Depth	95.0 ft. ____ cm.	Sampling Method(s)	N/A
Depth to Bedrock	29.0 ft. ____ cm.	Date/Time Start Drilling	7/27/87 0915
Depth to Water	— ft. ____ cm.	Date/Time Finish Drilling	8/6/87 1445
Water Level Determined By		Date/Time Start Completion	8/6/87 1445
Length Plain PVC (total)	90.11 ft. ____ cm.	Date/Time Cement Protective Casing	7/28/87 0850
Length of Screen	16.23 ft. ____ cm.	Materials Used	97' of 8¼" O.D. steel casing
Total Length of Well Casing	96.34 ft. ____ cm.	Plain PVC	8-10' sections, 1 cut off section
PVC Stick Up	1.54 ft. ____ cm.	Slotted PVC	1-5' section, 1-10' section
Depth to Bottom of Screen	94.80 ft. ____ cm.	Bentonite Pellets	1 2/3 buckets
Depth to Top of Screen	78.57 ft. ____ cm.	Bentonite Granular	90 lbs
Depth to Top of Sand	77.2 ft. ____ cm.	Cement	28 bags
Depth to Top of Bentonite	72.0 ft. ____ cm.	Sand	3 bags
		Water added during completion	0
		Water added during drilling	30 gal
		Total Gallons of water added	30 gal

Drill Site Geologist Steve Pass Date 8/10/87

8/10/87/0930/DLW, JAL

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed 8/19/87/1100/DLW

Date/Time/Personnel Casing Painted 8/10/87/1538/DLW

Date/Time/Personnel Numbers Painted 8/20/87/0926/DLW, CMH

Materials Used 20 BAGS OF QUICKCRETE

Top of Protective Casing to Top of PVC	0.50' ft. ____ cm.	COMMENT/NOTES	
Top of Protective Casing to Weep Hole	1.50' ft. ____ cm.		
Top of Protective Casing to Internal Mortar	1.60' ft. ____ cm.		
Top of Protective Casing to Top of Cement Pad	2.07' ft. ____ cm.		
Top of Protective Casing to Ground Level	2.27' ft. ____ cm.		

Reviewed By ____ Date ____

Drill Site Geologist ____ Date ____

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Borehole: EP-75D1 Well: _____

Depth-Feet	Soil/Rock Type	Well Completion	Description
		Ground Level	
		5 Joints	
		8½" ID	
		9.92'	
10			
		15.06'	
20			27.83' centralizer
		25.13'	29.0' Approx. bedrock.
30			31.77' Bottom of 8½" steel casing
		35.21'	
40			
		45.36'	
50			55.14 centralizer
		58.44'	
60			
		68.61'	
70			72.0 Top of bentonite
			77.2' Top of sand pack
		78.57'	79.57' Top of Screen
80			
		89.13'	
90			
95			94.4 Bottom of screen
			95.0' Bottom of hole total depth

Drill Site Geologist: Steve Pace Date: 8/10/97

Reviewed By: _____ Date: _____

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WELL DEVELOPMENT DATA

Bore EP-75 D1 Well 23224

Project RMA on-post
Project Number T-44 87957
Date(s) Developed 8-21-87
Date Installed 8-6-87
Personnel (Name/Company) DLW/ESE, SMH/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 12 1/4 in. 0 ft. to 32 ft.; 7 7/8 in. 32 ft. to 95 ft.
Rig Used ESE SCIENCE TRUCK
Pump (Type/Capacity) GRUNDFOS - 7 gal/min
Screen Interval 78.67 ft. to 94.9 ft.; — ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 2.1 ft.
Measured Well Depth TOC (Initial) 95.36 ft. (Final) 96.25 ft.
Bottom of Screen (Below G.L.) 94.80 ft.
Water Level TOC/Date/Time (Initial) 24.20 / 8-21-87 / 0802 / SMH
(after 24 hrs.) 28.54 / 09-01-87 / 1140
Feet of Water in Well 71.36 ft. x 0.653 gallons/foot = 46.60 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water 30 gallons
Casing/Anulus Volume 46.60 gallons
One Purge Volume 92.24 gallons
Minimum Purge Volume 461.20 gallons
Total Purge Volume 700 gallons
Volume Measured By 50 gal. Barrel
Surge Technique BAILING & CENTRIFUGAL PUMP

Calibration: pH Meter Used: BECKMAN Ø21 SN: 015883
pH 7.00 = 7.01 at 23.0 °C, pH 10.00 = 10.03 at 23.0 °C
Conductance Meter Used: CMS DIGITAL SN: 11341
Standard 1000 umhos/cm at 25°, Reading 998 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0.0	0840	16.1	10.02	212	very cloudy, gray silt, some sand, quart
92.0	0935	17.4	9.85	731	cloudy, gray silt
184.0	1139	18.4	9.14	949	slightly cloudy
Final					DLW

Remarks: Initial H2O: 0.0 (TOC) Flow rate = 1.37 gpm / 0.9 gpm

One Purge vol: 46.60
sandpack vol: + 15.64
62.24 gal
added H2O: + 30.00 gal
92.24

Collected by _____ Signature 8/21/87 Date
Checked by _____ Signature 3.8.88 Date
sandpack vol: 95.36 - 72.20 = 18.36' x 0.852 = 15.64

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WELL DEVELOPMENT DATA

Bore EAP-75D1 Well 23224

Project RMA ON-POST Project Number TASK 44 87937

Date(s) Developed 8/24/87 Date Installed 8-6-87

Personnel (Name/Company) DLW/ESE Well Diameter (I.D.) 4 in.

LWL/ESE Anulus Diameter 12¼ in. 0 ft. to 32 ft.

Rig Used ESE WELL SERVICE TRUCK 7⅞ in. 12 ft. to 95 ft.

Pump (Type/Capacity) GRUNDFOS / 7 GPM Screen Interval 78.57 ft. to 94.8 ft.

Bailer (Type/Capacity) N/A ___ ft. to ___ ft.

Water Source RMA Casing Height (Above G.L.) 2.1 ft.

Measured Well Depth TOC (Initial) 95.56 ft. Bottom of Screen (Below G.L.) 94.80 ft.

(Final) 96.25 ft.

Water Level TOC/Date/Time (Initial) 24.30 / 8-31-87 / 0802

(after 24 hrs.) 22.54 / 09-01-87 / 1140

Feet of Water in Well 76.36 ft. x 0.653 gallons/foot = 46.60 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 92.24 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 461.20 gallons

Added Water 30 gallons Total Purge Volume 700 gallons

Casing/Anulus Volume 46.60 gallons Volume Measured By 55 GAL. BARREL

Surge Technique RAISE / LOWER PUMP

Calibration: pH Meter Used: BECKMAN φ 21 SN: 015883

pH 7.00 = 7.02 at 17.6 °C, pH 10.00 = 10.09 at 17.6 °C

Conductance Meter Used: CAMS DIGITAL SN: 41341

Standard 1000 umhos/cm at 25°, Reading 1000 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 184	0928	14.1	9.70	933	very cloudy w/ blue-gray fine sand and gray silt.
276	1040	14.3	9.54	967	cloudy w/ gray silt
368	1229	15.6	9.32	980	partly cloudy w/ some brown-gray silt.
460	1511	16.6	8.81	974	cloudy w/ gray/brown silt
Final					DLW

Remarks: Initial HNU @ TOC = 0.2 ppm. Water level = 24.59/8-24-87/0909

Flow rate = 1.5 gpm (actual) / 1.27 gpm pH meter recalibrated after break: pH 7.00 = 7.02 pH 10.00 = 10.09 at 17.6 °C

ONE PURGE VOL.: = 46.60 casing vol. + 15.64 Sandpack vol. + 30.00 added water = 92.24 gallons

Collected by CHG/DLW 8/24/87 Signature Date

Checked by [signature] 3/8-88 Signature Date

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WELL DEVELOPMENT DATA

Bore EP-75D1 Well 23224

Project RMA ON-POST
Project Number TASK 44 87937
Date(s) Developed 8/25/87
Date Installed 8-6-87
Personnel (Name/Company) DLW/ESE
JFD/MLA
Well Diameter (I.D.) 4 in.
Anulus Diameter 12½ in. 0 ft. to 32 ft.
7⅞ in. 32 ft. to 95 ft.
Rig Used ESE WELL SERVICE TRUCK
Pump (Type/Capacity) GRUNDFOS / 7 GPM
Screen Interval 78.57 ft. to 94.5 ft.
— ft. to — ft.
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 2.1 ft.
Measured Well Depth TOC (Initial) 95.56 ft.
(Final) 96.25 ft.
Bottom of Screen (Below G.L.) 94.80 ft.

Water Level TOC/Date/Time (Initial) 24.20 / 08-31-87/0802
(after 24 hrs.) 28.54 / 09-01-87/1140

Feet of Water in Well 71.36 ft. x 0.653 gallons/foot = 46.60 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons
Purge Water Lost N/A gallons
Added Water 30 gallons
Casing/Anulus Volume 46.60 gallons

One Purge Volume 92.24 gallons
Minimum Purge Volume 461.20 gallons
Total Purge Volume 700 gallons
Volume Measured By 55 GALLON DRUMS
Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Φ 21 SN: 015085
pH 7.00 = 7.07 at 18.1 °C, pH 10.00 = 10.09 at 18.0 °C
Conductance Meter Used: CDM 210 DIGITAL SN: 11741
Standard 1000 umhos/cm at 25°, Reading 999 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 460	0916	14.1	9.11	1004	cloudy w/ gray silt & some black/brown formation sand
552	1004	15.3	9.11	1004	cloudy w some gray-brown silt
644	1317	15.5	9.21	1003	cloudy w/ gray silt & very fine formation sand
700	1411	16.9	9.05	990	slightly cloudy w/ gray-brown silt
Final					DLW

Remarks: Initial HNU (TOC) = 0.2 ppm. Water level = 26.6 / 8-25-87 / 0912
Recalibration after lunch: pH 7.00 = 7.01 pH 10.00 = 10.05 @ 24.5°C.
Cond. reading = 999 umhos @ 25°C

1 Purge vol = 46.60 casing vol.
+ 15.64 sandpack vol.
30.0 added H_2O
92.24 gallons

Collected by [signature] 08/25/87
Signature Date
Checked by [signature] 5.8.88
Signature Date

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7338 SOUTH ALTON WAY • SUITE H-1
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WELL CONSTRUCTION SUMMARY

Borehole EP-75D2 Well 23225

Project Name and Location RMA Section 23 Project Number Task 44

Drilling Company Boyles Bros Driller Dan Irvine Rig Number IR

Drilling Method(s) rotary

Borehole Diameter 16½" in. ____ cm. 0 ft. ____ cm. to 32.0' ft. ____ cm.
11 7/8 in. ____ cm. 32.0' ft. ____ cm. to 97.0' ft. ____ cm.
7 7/8 97.0' 117.0

Size(s) and types of Bit(s) 16½" Blade
11 7/8 blade 7 7/8" tri cone

Size and Type PVC 4" sched 40

Total Borehole Depth	117.0 ft. ____ cm.	Sampling Method(s)	N/A
Depth to Bedrock	29.8 ft. ____ cm.	Date/Time Start Drilling	7/29/87 0747
Depth to Water	— ft. — cm.	Date/Time Finish Drilling	8/5/87 1105
Water Level Determined By	—	Date/Time Start Completion	8/5/87 1225
Length Plain PVC (total)	109.14 ft. ____ cm.	Date/Time Cement Protective Casing	
Length of Screen	10.86 ft. ____ cm.	Materials Used	32' of 12¼" steel casing, 98' of 16½" steel casing
Total Length of Well Casing	120.0 ft. ____ cm.	Plain PVC	10 - 10' 1 cut off
PVC Stick Up	1.7 ft. ____ cm.	Slotted PVC	1 - 10'
Depth to Bottom of Screen	115.27 ft. ____ cm.	Bentonite Pellets	1 3/4 bucket
Depth to Top of Screen	104.43 ft. ____ cm.	Bentonite Granular	3½ bags
Depth to Top of Sand	101.3 ft. ____ cm.	Cement	56 bags
Depth to Top of Bentonite	98.3 ft. ____ cm.	Sand	2½ bags
		Water added during completion	0
		Water added during drilling	0
		Total Gallons of water added	0

Drill Site Geologist Steve Pawl Date 8/10/87

Date/Time/Personnel Internal Mortar & Weep Hole 8-14-87/1100/DLW

Date/Time/Personnel Internal Mortar, Cement Pad, and Weep Hole Installed PAD 8-18-87/1017/DLW & SMH

Date/Time/Personnel Casing Painted 8-18-87/1538/DLW

Date/Time/Personnel Numbers Painted 8-20-87/0936/DLW & SMH

Materials Used 20 BAGS QUICKCRETE

Top of Protective Casing to Top of PVC	0.20 ft. ____ cm.	COMMENT/NOTES	
Top of Protective Casing to Weep Hole	1.60 ft. ____ cm.		
Top of Protective Casing to Internal Mortar	1.70 ft. ____ cm.		
Top of Protective Casing to Top of Cement Pad	2.15 ft. ____ cm.		
Top of Protective Casing to Ground Level	2.30 ft. ____ cm.		

Reviewed By ____ Date ____

Drill Site Geologist Steve Pawl Date 2/16/88

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Borehole: EP-75 D2 Well: 23225

Depth-Feet	Soil/Rock Type	Well Completion	Description
10		0.2	
20		2.3'	
30		2.5'	
40		8½"	
50		12½"	
60		Joints	
70		Gound Level	
80		3.63'	
90		13.06'	15.0 Centralizer
100		23.74'	29.0' Bedrock
110		33.82'	22.10 Bottom of 12½" OD. Steel casing
120		43.28'	41.44 centralizer
		54.01'	
		64.07'	
		74.16'	
		84.26'	
		94.38'	94.03 Centralizer
		98.3' Top of bentonite	97.53'
		101.8' Top of sand	Bottom of 8½" OD steel casing
		104.42'	104.42 Top of Screen
			118.28 Bottom of screen
			119.0' Total drilled depth

Drill Site Geologist: Steve Pace Date: 8/4/87

Reviewed By: _____ Date: _____

ESE ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
7332 SOUTH ALTON WAY • SUITE H-1
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WELL DEVELOPMENT DATA

Bore E1-75 D2 Well 23225

Project RMA ON-POST Project Number [illegible] 44

Date(s) Developed 9/1/87 Date Installed 8/5/87

Personnel (Name/Company) DLW / ESE

PJB / ESE

Well Diameter (I.D.) 4 in.

Anulus Diameter 16" in. 0 ft. to 32 ft.

11 3/8 in. 32 ft. to 97 ft.

Rig Used ESE WELL SERVICE TRUCK

Screen Interval * 104.42 ft. to 115.28 ft.

Pump (Type/Capacity) GRUNDFOS / 70 GPM

ft. to ft.

Bailer (Type/Capacity) N/A

Casing Height (Above G.L.) 2.35 ft.

Water Source 2MA

Measured Well Depth TOC (Initial) 113.15 ft. Bottom of Screen (Below G.L.) 115.28 ft.

(Final) 116.91 ft.

Water Level TOC/Date/Time (Initial) 25.22 / 9-1-87 / 793

(after 24 hrs.) 25.26 / 9-2-87 / 0831

Feet of Water in Well 87.93 ft. x 0.6527 gallons/foot = 57.42 gallons casing/anulus volume

Drilling Fluid Lost N/A gallons One Purge Volume 69.33 gallons

Purge Water Lost N/A gallons Minimum Purge Volume 346.65 gallons

Added Water 0 gallons Total Purge Volume 350 gallons

Casing/Anulus Volume 57.42 gallons Volume Measured By 55 GAL. DRUM

Surge Technique RAISE/LOWER PUMP

Calibration: pH Meter Used: BECKMAN ϕ 24 SN: 015883

pH 7.00 = 7.01 at 21.5 °C, pH 10.00 = 10.05 at 21.5 21.1 °C

Conductance Meter Used: CAMS DIGITAL SN: 913411

Standard 1413 umhos/cm at 25°, Reading 1413 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 0	0754	14.6	12.31	3310	very cloudy w/ dk.brown gray bentonite/grout; black [illegible]
70	0905	17.3	11.95	1860	Cloudy / black specs gray
140	1135	19.3	11.48	1615	cloudy w/ lt. gray dissolved bentonite/silt
210	1511	19.5	11.29	1519	cloudy w/ lt. gray s.H.
Final					

Remarks: Initial HNu (TOC) = 0.0 ppm Flow Rate 0.5 GPM/0.4 gpm 1 Purge vol. = 57.42 gal (casing vol.) + 11.91 gal (sand/pack vol) 69.33 gallons.

* Final annular disc = 75 97.0' To 117.0'

HNu (TOC) 1st Vol 0.25

Sandpack = 115.28 Bott. of Screen
− 101.30 Top of Sand
13.98

Sandpack vol. = 13.98 ft. x 0.852 gal/ft = 11.91 gallons.

Collected by [signature] 9/1/87
Signature Date

Checked by [signature] 9.22.87
Signature Date

Recalibration after lunch pH 7.00 = 6.99 @ 26.9 pH 10.00 = 10.00 @ [illegible]

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ENGLEWOOD, COLORADO 80112 • 303/741-0639

WELL DEVELOPMENT DATA

Bore EP-75D2 Well 23225

Project RMA ONE-POST
Project Number TASK 44
Date(s) Developed 9/2/87
Date Installed 8/5/87
Personnel (Name/Company) DLW/ESE
DJS/ESE
Well Diameter (I.D.) 4 in.
Anulus Diameter 16½ in. 0 ft. to 32 ft.
11⅞ in. 32 ft. to 97 ft.
Rig Used ECO WELL SERVICE TRUCK
Screen Interval 104.72 ft. to 115.28 ft.
— ft. to — ft.
Pump (Type/Capacity) GRUNDFOS / 7 GPM
Bailer (Type/Capacity) N/A
Water Source RMA
Casing Height (Above G.L.) 2.35 ft.
Measured Well Depth TOC (Initial) 117.15 ft.
(Final) 116.91 ft.
Bottom of Screen (Below G.L.) 115.28 ft.
Water Level TOC/Date/Time (Initial) 25.22 / 9-1-87 / 733
(after 24 hrs.) 25.26 / 9-2-87 / 0831
Feet of Water in Well 87.93 ft. x 0.653 gallons/foot = 57.42 gallons casing/anulus volume
Drilling Fluid Lost N/A gallons
One Purge Volume 69.33 gallons
Purge Water Lost N/A gallons
Minimum Purge Volume 346.65 gallons
Added Water Ø gallons
Total Purge Volume 350 gallons
Casing/Anulus Volume 57.42 gallons
Volume Measur ! By 55 GALLON DRUM.
Surge Technique BAIL/LOWER PUMP

Calibration: pH Meter Used: BECKMAN Ø21 SN! 015882
pH 7.00 = 7.00 at 24.5 °C, pH 10.00 = 10.01 at 25.0 °C
Conductance Meter Used: CMS DIGITAL SN! 11341
Standard 1413 umhos/cm at 25°, Reading 1414 umhos/cm at 25 °C

Purge Volume	Time	Temp. °C	pH	Conductance at 25°C	Physical Characteristics (clarity, odor, sand content, color)
Initial 210	1146	15.3	11.14	1496	slightly cloudy w/ fine sand; black & white grains
280	1256	19.9	10.41	1348	V. slightly cloudy, some silt/sand
350	1509	20.3	10.10	1372	clear
Final					DLW

Remarks: Initial HNu(TOC) = 0.0 ppm ; Water level = 26.93
* Final anulus = 7⅞ 97.0' TO 117.0'

Sandpack vol. = 12.98 ft x 0.852 gal/ft = 11.91 gal.
1 Purge vol. = 57.42 (casing vol.)
+ 11.91 (Sandpack vol.)
69.33 gallons.

Collected by _____ 9/2/87
Signature Date
Checked by _____ 2.22.88
Signature Date

APPENDIX C.3: WATER CHEMISTRY DATA FOR TASK 44, 1ST, 2ND AND 4TH QUARTER, FY87

ONPOST WATER CHEMISTRY DATA

APPENDIX D

CHEMISTRY DATA

APPENDIX D.1: 3RD QUARTER FY87 CHEMISTRY DATA

WRIR_WATER_CHEMISTRY_SUMMARY_3RD_QUARTER_FY1987

EXPLANATION

The following information pertains to tables presented in this section of the WRIR:

- Concentrations are in u/l.
- Analysis were not conducted for analytes concentrations designated by " . ".
- Bedrock lithology for wells 23218, 23219, 24191, 37369, 37370, 37371, 37372, 37376, 37387, 37388, 37389, and 3730 can be found in the forthcoming Task 36 Report.
- Bedrock lithology for wells 37367, 37368, 37373, 37374, 37377, 37378, 37379, 37380, 37381, 37383, 37391 and 37392 can be found in the forthcoming Task 39 Report.
- For all other wells, bedrock depths are zero and/or bedrock lithologies are not listed when:
    - Survey data were unavailable
    - Tenuous bedrock picks from lithologic logs
    - Borehole did not penetrate bedrock
    - Well data were acquired from sources where this information was unavailable.
- Screened intervals were unavailable for wells listed with a "0" screened interval designation.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01007
AQUIFER: DENVER
SCREENED INT.: 23.0- 26.4
BEDROCK DEPTH: 4.0
BEDROCK LITH.: VC
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	46600.000
CCL4	177.000
CD	<5.160
CH2CL2	<5.000
CHCL3	27.000
CL	28400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.104
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1840.000
HG	<0.359
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	16300.000
MIBK	<12.900
MXYLEN	<1.350
NA	63000.000
NIT	5770.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	50500.000
T12DCE	<1.200
TCLEE	2.310
TRCLE	1.360
XYLEN	<2.470
ZN	39.800

WELL 01008
AQUIFER: DENVER
SCREENED INT.: 16.6- 20.0
BEDROCK DEPTH: 9.0
BEDROCK LITH.: VC
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	79000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	6.930
CL	149000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	5.970
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.154
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2820.000
HG	<0.359
ISODR	<0.056
K	3210.000
MEC6H5	<1.210
MG	30100.000
MIBK	<12.900
MXYLEN	<1.350
NA	348000.000
NIT	13600.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	559000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	2.710
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01012
AQUIFER: DENVER
SCREENED INT.: 14.6- 18.0
BEDROCK DEPTH: 5.5
BEDROCK LITH.: VC
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	1.570
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	127000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	118000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	16.500
CR	31.000
CU	22.500
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.118
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1560.000
HG	<0.359
ISODR	<0.056
K	3680.000
MEC6H5	<1.210
MG	48400.000
MIBK	<12.900
MXYLEN	<1.350
NA	127000.000
NIT	8150.000
OXAT	<1.350
PB	20.900
PPDDE	<0.046
PPDDT	<0.059
SO4	157000.000
T12DCE	4.260
TCLEE	15.500
TRCLE	1.200
XYLEN	<2.470
ZN	108.000

WELL 01015
AQUIFER: DENVER
SCREENED INT.: 57.9- 61.3
BEDROCK DEPTH: 3.0
BEDROCK LITH.: VC
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	2.000
CA	389000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	36900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1510.000
HG	<0.359
ISODR	<0.056
K	9520.000
MEC6H5	<1.210
MG	73200.000
MIBK	<12.900
MXYLEN	<1.350
NA	401000.000
NIT	987.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1900000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	98.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01017
AQUIFER: ALLUVIUM
SCREENED INT.: 10.6- 14.0
BEDROCK DEPTH: 12.5
BEDROCK LITH.: VC
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	53800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.610
CL	187000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2800.000
HG	<0.359
ISODR	<0.056
K	2940.000
MEC6H5	<1.210
MG	16200.000
MIBK	<12.900
MXYLEN	<1.350
NA	105000.000
NIT	12300.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	134000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	48.500

WELL 01020
AQUIFER: ALLUVIUM
SCREENED INT.: 6.0- 10.0
BEDROCK DEPTH: 10.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<10.000
11DCE	<11.000
11DCLE	2.260
12DCLE	<6.100
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	> 9.040
CA	230000.000
CCL4	<2.400
CD	<5.160
CH2CL2	6.630
CHCL3	> 194.000
CL	370000.000
CL6CP	<0.083
CLC6H5	26.300
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.600
CU	44.900
DBCP	11.800
DCPD	<9.310
DIMP	<10.500
DITH	89.500
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2540.000
HG	<0.359
ISODR	<0.056
K	25000.000
MEC6H5	<1.210
MG	83900.000
MIBK	<12.900
MXYLEN	<1.350
NA	395000.000
NIT	288000.000
OXAT	9.440
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	637000.000
T12DCE	<12.000
TCLEE	4.970
TRCLE	> 194.000
XYLEN	<2.470
ZN	54.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01021	AQUIFER: ALLUVIUM SCREENED INT.: 14.0- 64.0 BEDROCK DEPTH: 64.0 BEDROCK LITH.: SH SCREENED ZONE: ALLUVIUM	WELL 01022	AQUIFER: DENVER SCREENED INT.: 107.0-117.0 BEDROCK DEPTH: 64.0 BEDROCK LITH.: SH SCREENED ZONE: AM

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.700	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	<1.100	11DCE	<1.100
11DCLE	<1.200	11DCLE	<1.200
12DCLE	<0.610	12DCLE	<0.610
ALDRN	<0.083	ALDRN	<0.083
AS	<2.500	AS	<2.500
BTZ	<1.140	BTZ	<1.140
C6H6	<1.340	C6H6	<1.340
CA	85000.000	CA	79600.000
CCL4	<2.400	CCL4	<2.400
CD	<5.160	CD	<5.160
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	<1.400	CHCL3	<1.400
CL	58700.000	CL	12900.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	<0.580	CLC6H5	<0.580
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	<1.080
CPMSO	<1.980	CPMSO	<1.980
CPMSO2	<2.240	CPMSO2	<2.240
CR	10.800	CR	10.200
CU	<7.940	CU	<7.940
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<10.500	DIMP	<10.500
DITH	<1.590	DITH	<1.590
DLDRN	<0.054	DLDRN	<0.054
DMDS	<1.160	DMDS	<1.160
DMMP	<15.200	DMMP	<15.200
ENDRN	<0.060	ENDRN	<0.060
ETC6H5	<1.280	ETC6H5	<1.280
FL	<1220.000	FL	<1200.000
HG	<0.359	HG	<0.359
ISODR	<0.056	ISODR	<0.056
K	2850.000	K	1730.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	17100.000	MG	13800.000
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.350	MXYLEN	<1.350
NA	65500.000	NA	58600.000
NIT	1600.000	NIT	1040.000
OXAT	<1.350	OXAT	<1.350
PB	<18.600	PB	<18.600
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	83100.000	SO4	6080000.000
T12DCE	<1.200	T12DCE	<1.200
TCLEE	<1.300	TCLEE	<1.300
TRCLE	<1.100	TRCLE	<1.100
XYLEN	<2.470	XYLEN	<2.470
ZN	<20.100	ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01024
AQUIFER: ALLUVIUM
SCREENED INT.: 4.0- 49.0
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<8.500
112TCE	<2.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	52000.000
CCL4	<12.000
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	58500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	10.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3170.000
MEC6H5	<1.210
MG	13500.000
MIBK	<12.900
MXYLEN	<1.350
NA	59700.000
NIT	258.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	66300.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<2.200
XYLEN	<2.470
ZN	<20.100

WELL 01025
AQUIFER: DENVER
SCREENED INT.: 66.0- 71.0
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<3.400
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	20400.000
CCL4	<4.800
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	25800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1340.000
HG	<0.359
ISODR	<0.056
K	1320.000
MEC6H5	<1.210
MG	1760.000
MIBK	<12.900
MXYLEN	<1.350
NA	78300.000
NIT	342.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	28900.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01027
AQUIFER: ALLUVIUM
SCREENED INT.: 10.0- 15.0
BEDROCK DEPTH: 14.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	117000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	484000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2270.000
HG	<0.359
ISODR	<0.056
K	4490.000
MEC6H5	<1.210
MG	42800.000
MIBK	<12.900
MXYLEN	<1.350
NA	261000.000
NIT	6310.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	178000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	54.900

WELL 01036
AQUIFER: DENVER
SCREENED INT.: 40.0- 60.0
BEDROCK DEPTH: 7.5
BEDROCK LITH.: SS
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	130000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	9.160
CL	115000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	0.517
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3810.000
MEC6H5	<1.210
MG	38600.000
MIBK	<12.900
MXYLEN	<1.350
NA	56600.000
NIT	5340.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	222000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	380.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01037
AQUIFER: DENVER
SCREENED INT.: 85.0-100.0
BEDROCK DEPTH: 7.5
BEDROCK LITH.: SS
SCREENED ZONE: AML

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	14500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	13100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.580
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	1040.000
MEC6H5	<1.210
MG	830.000
MIBK	<12.900
MXYLEN	<1.350
NA	136000.000
NIT	230.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	160000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	27.600

WELL 01041
AQUIFER: ALLUVIUM
SCREENED INT.: 5.0- 15.0
BEDROCK DEPTH: 12.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	54300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.340
CL	100000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	1.090
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2190.000
HG	<0.359
ISODR	<0.056
K	2210.000
MEC6H5	<1.210
MG	16000.000
MIBK	<12.900
MXYLEN	<1.350
NA	128000.000
NIT	7120.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	161000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	47.400

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01043
AQUIFER: DENVER
SCREENED INT.: 123.0-149.0
BEDROCK DEPTH: 12.0
BEDROCK LITH.: ST
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	5660.000
CCL4	<2.400
CD	26.500
CH2CL2	<5.000
CHCL3	<1.400
CL	16600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1740.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	107000.000
NIT	2300.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 01047
AQUIFER: DENVER
SCREENED INT.: 33.0- 43.0
BEDROCK DEPTH: 10.0
BEDROCK LITH.: VC
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	94400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.510
CL	256000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1780.000
HG	<0.359
ISODR	<0.056
K	4930.000
MEC6H5	<1.210
MG	25100.000
MIBK	<12.900
MXYLEN	<1.350
NA	304000.000
NIT	3520.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	506000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 01048
AQUIFER: DENVER
SC EENED INT.: 160.0-210.0
BEDROCK DEPTH: 10.0
BEDROCK LITH.: VC
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	6020.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	8.120
CL	62600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1720.000
HG	<0.359
ISODR	<0.056
K	718.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	116000.000
NIT	12.500
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	40700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 01050
AQUIFER: DENVER
SCREENED INT.: 77.0-117.0
BEDROCK DEPTH: 34.3
BEDROCK LITH.: VC
SCREENED ZONE: AS

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	63900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	53900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3020.000
MEC6H5	<1.210
MG	3080.000
MIBK	<12.900
MXYLEN	<1.350
NA	215000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	431000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02008
AQUIFER: ALLUVIUM
SCREENED INT.: 50.0- 70.0
BEDROCK DEPTH: 70.4
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	72400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	92100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	5.730
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.080
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2680.000
MEC6H5	<1.210
MG	15400.000
MIBK	<12.900
MXYLEN	<1.350
NA	83500.000
NIT	41.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	57500.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 02009
AQUIFER: DENVER
SCREENED INT.: 115.0-125.0
BEDROCK DEPTH: 70.4
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	4370.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2640.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	45900.000
NIT	62.600
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02010
AQUIFER: DENVER
SCREENED INT.: 135.0-155.0
BEDROCK DEPTH: 70.4
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	3650.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5970.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2170.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	57400.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 02011
AQUIFER: ALLUVIUM
SCREENED INT.: 35.0- 95.0
BEDROCK DEPTH: 99.0
BEDROCK LITH.: LG
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	120000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	79300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4110.000
MEC6H5	<1.210
MG	24600.000
MIBK	<12.900
MXYLEN	<1.350
NA	86700.000
NIT	7370.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	187000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02012
AQUIFER: DENVER
SCREENED INT.: 128.0-133.0
BEDROCK DEPTH: 99.0
BEDROCK LITH.: LG
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	9350.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1900.000
HG	0.513
ISODR	<0.056
K	765.000
MEC6H5	<1.210
MG	517.000
MIBK	<12.900
MXYLEN	<1.350
NA	64700.000
NIT	50.100
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 02014
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 45.0
BEDROCK DEPTH: 40.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	141000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	51.300
CL	405000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3210.000
MEC6H5	<1.210
MG	15900.000
MIBK	<12.900
MXYLEN	<1.350
NA	191000.000
NIT	6360.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	81200.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	34.400

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02018
AQUIFER: DENVER
SCREENED INT.: 40.0- 55.0
BEDROCK DEPTH: 19.5
BEDROCK LITH.: SH
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	115000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	111000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1670.000
HG	<0.359
ISODR	<0.056
K	4570.000
MEC6H5	<1.210
MG	29500.000
MIBK	<12.900
MXYLEN	<1.350
NA	254000.000
NIT	7930.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	462000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	45.700

WELL 02019
AQUIFER: DENVER
SCREENED INT.: 80.0- 95.0
BEDROCK DEPTH: 19.5
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	330000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	119000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	15.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1510.000
HG	<0.359
ISODR	<0.056
K	5520.000
MEC6H5	<1.210
MG	31100.000
MIBK	<12.900
MXYLEN	<1.350
NA	636000.000
NIT	41.600
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1850000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02020
AQUIFER: ALLUVIUM
SCREENED INT.: 9.5- 40.0
BEDROCK DEPTH: 39.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	3.270
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	123000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	8.400
CL	326000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.225
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	2650.000
MEC6H5	<1.210
MG	23900.000
MIBK	<12.900
MXYLEN	<1.350
NA	117000.000
NIT	195.000
OXAT	<1.350
PB	23.700
PPDDE	<0.046
PPDDT	<0.059
SO4	72500.000
T12DCE	1.350
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	83.500

WELL 02021
AQUIFER: DENVER
SCREENED INT.: 49.0- 84.0
BEDROCK DEPTH: 39.5
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	8.820
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	270000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	19.800
CL	779000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4200.000
MEC6H5	<1.210
MG	46800.000
MIBK	<12.900
MXYLEN	<1.350
NA	166000.000
NIT	231.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	54000.000
T12DCE	5.080
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02025
AQUIFER: DENVER
SCREENED INT.: 90.0-105.0
BEDROCK DEPTH: 27.5
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	90800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	38500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.160
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2480.000
MEC6H5	<1.210
MG	7340.000
MIBK	<12.900
MXYLEN	<1.350
NA	397000.000
NIT	24.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	764000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	33.500

WELL 02030
AQUIFER: DENVER
SCREENED INT.: 53.0- 73.0
BEDROCK DEPTH: 7.0
BEDROCK LITH.: SH
SCREENED ZONE: AUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	1650000.000
CCL4	7.600
CD	<5.160
CH2CL2	<5.000
CHCL3	120.000
CL	7290000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	89.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	4490.000
HG	<0.359
ISODR	<0.056
K	15100.000
MEC6H5	<1.210
MG	467000.000
MIBK	<12.900
MXYLEN	<1.350
NA	902000.000
NIT	8740.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	315000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	39.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02031
AQUIFER: DENVER
SCREENED INT.: 103.0-138.0
BEDROCK DEPTH: 7.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	208000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.710
CL	87700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3070.000
MEC6H5	<1.210
MG	4520.000
MIBK	<12.900
MXYLEN	<1.350
NA	485000.000
NIT	331.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1330000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 02034
AQUIFER: ALLUVIUM
SCREENED INT.: 10.0- 20.0
BEDROCK DEPTH: 20.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	3.740
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	89300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	10.500
CL	124000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.890
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1590.000
HG	<0.359
ISODR	<0.056
K	3950.000
MEC6H5	<1.210
MG	20600.000
MIBK	<12.900
MXYLEN	<1.350
NA	161000.000
NIT	17100.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	198000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	3.700
XYLEN	<2.470
ZN	53.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02035
AQUIFER: DENVER
SCREENED INT.: 31.0- 46.0
BEDROCK DEPTH: 20.3
BEDROCK LITH.: SH
SCREENED ZONE: AMU

COMPOUND		CONCENTRATION
111TCE		<1.700
112TCE		<1.000
11DCE		<1.100
11DCLE		5.210
12DCLE		<2.990
ALDRN		<0.166
AS		<2.500
BTZ		<1.140
C6H6		<1.340
CA		144000.000
CCL4		5.550
CD		<5.160
CH2CL2		<5.000
CHCL3	>	194.000
CL		372000.000
CL6CP		<0.166
CLC6H5		<0.580
CLDAN		<0.304
CPMS		4.090
CPMSO		<1.980
CPMSO2		<2.240
CR		<5.960
CU		<7.940
DBCP		<0.130
DCPD		<9.310
DIMP		<10.500
DITH		<1.590
DLDRN		<0.110
DMDS		<1.160
DMMP		<15.200
ENDRN		<0.120
ETC6H5		<1.280
FL		1700.000
HG		<0.359
ISODR		<0.112
K		3580.000
MEC6H5		<1.210
MG		29100.000
MIBK		<12.900
MXYLEN		<1.350
NA		288000.000
NIT		3200.000
OXAT		<1.350
PB		<18.600
PPDDE		<0.092
PPDDT		<0.118
SO4		247000.000
T12DCE		<1.200
TCLEE		3.060
TRCLE		5.420
XYLEN		<2.470
ZN		32.000

WELL 02036
AQUIFER: DENVER
SCREENED INT.: 93.0-108.0
BEDROCK DEPTH: 20.3
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	47400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	28500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	1600.000
MEC6H5	<1.210
MG	1770.000
MIBK	<12.900
MXYLEN	<1.350
NA	301000.000
NIT	108.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	628000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02037
AQUIFER: ALLUVIUM
SCREENED INT.: 12.0- 22.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	87500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	109000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.966
DMDS	<1.160
DMMP	<15.200
ENDRN	0.103
ETC6H5	<1.280
FL	1970.000
HG	<0.359
ISODR	<0.056
K	3240.000
MEC6H5	<1.210
MG	19000.000
MIBK	<12.900
MXYLEN	<1.350
NA	117000.000
NIT	5590.000
OXAT	<1.350
PB	<18.600
PPDDE	0.124
PPDDT	<0.059
SO4	110000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	29.300

WELL 02038
AQUIFER: DENVER
SCREENED INT.: 28.0- 43.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	90400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	8.880
CL	245000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.149
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1550.000
HG	<0.359
ISODR	<0.056
K	4160.000
MEC6H5	<1.210
MG	23900.000
MIBK	<12.900
MXYLEN	<1.350
NA	259000.000
NIT	8410.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	253000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	42.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 02039
AQUIFER: DENVER
SCREENED INT.: 76.0- 86.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	83700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	37200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	2110.000
MEC6H5	<1.210
MG	10400.000
MIBK	<12.900
MXYLEN	<1.350
NA	390000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	477000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 02043
AQUIFER: DENVER
SCREENED INT.: 46.5- 61.5
BEDROCK DEPTH: 13.5
BEDROCK LITH.: VC
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	210000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	101000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1450.000
HG	<0.359
ISODR	<0.056
K	5520.000
MEC6H5	<1.210
MG	46900.000
MIBK	<12.900
MXYLEN	<1.350
NA	308000.000
NIT	10900.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	941000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 03002
AQUIFER: ALLUVIUM
SCREENED INT.: 43.0-103.0
BEDROCK DEPTH:105.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	67100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	34700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3740.000
MEC6H5	<1.210
MG	8450.000
MIBK	<12.900
MXYLEN	<1.350
NA	38000.000
NIT	6970.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	49000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WELL 03003
AQUIFER: DENVER
SCREENED INT.: 136.0-146.0
BEDROCK DEPTH: 105.5
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	64100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	36400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3740.000
MEC6H5	<1.210
MG	8120.000
MIBK	<12.900
MXYLEN	<1.350
NA	37100.000
NIT	4720.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	50100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	104.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 03004
AQUIFER: DENVER
SCREENED INT.: 168.0-178.0
BEDROCK DEPTH:105.5
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.907
ALDRN	<0.083
AS	8.070
BTZ	2.340
C6H6	<1.340
CA	8630.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3190.000
HG	<0.359
ISODR	<0.056
K	1950.000
MEC6H5	<1.210
MG	630.000
MIBK	<12.900
MXYLEN	<1.350
NA	74200.000
NIT	28.900
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	23800.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	52.200

WELL 03005
AQUIFER: ALLUVIUM
SCREENED INT.: 20.0- 70.0
BEDROCK DEPTH: 59.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.850
CL	184000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	<7.940
DBCP	0.417
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	2.940
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4340.000
MEC6H5	<1.210
MG	17400.000
MIBK	<12.900
MXYLEN	<1.350
NA	142000.000
NIT	4130.000
OXAT	<1.350
PB	<18.600
PPDDE	0.195
PPDDT	<0.059
SO4	111000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	274.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 03006
AQUIFER: DENVER
SCREENED INT.: 110.0-120.0
BEDROCK DEPTH: 59.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	12600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	25500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1740.000
HG	<0.359
ISODR	<0.056
K	1600.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	72600.000
NIT	527.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	23700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 03008
AQUIFER: ALLUVIUM
SCREENED INT.: 55.1- 65.1
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	103000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	52800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.730
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5520.000
MEC6H5	<1.210
MG	19900.000
MIBK	<12.900
MXYLEN	<1.350
NA	58700.000
NIT	16400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	107000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 03518
AQUIFER: ALLUVIUM
SCREENED INT.: 42.0- 52.0
BEDROCK DEPTH: 60.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	123000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	72800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4110.000
MEC6H5	<1.210
MG	24000.000
MIBK	<12.900
MXYLEN	<1.350
NA	82000.000
NIT	8610.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	173000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 03523
AQUIFER: ALLUVIUM
SCREENED INT.: 63.0- 73.0
BEDROCK DEPTH: 76.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	112000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	8.160
CL	69000.000
CL6CP	0.361
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.400
CU	<7.940
DBCP	45.400
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4750.000
MEC6H5	<1.210
MG	16000.000
MIBK	<12.900
MXYLEN	<1.350
NA	62900.000
NIT	7920.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	130000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04007
AQUIFER: ALLUVIUM
SCREENED INT.: 39.2- 78.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	168000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	113000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.000
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5570.000
MEC6H5	<1.210
MG	19400.000
MIBK	<12.900
MXYLEN	<1.350
NA	105000.000
NIT	8420.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	330000.000
T12DCE	3.600
TCLEE	<1.300
TRCLE	2.360
XYLEN	<2.470
ZN	48.200

WELL 04008
AQUIFER: DENVER
SCREENED INT.: 88.0- 98.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	18700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5730.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3400.000
HG	<0.359
ISODR	<0.056
K	957.000
MEC6H5	<1.210
MG	1220.000
MIBK	<12.900
MXYLEN	<1.350
NA	48700.000
NIT	2140.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	25800.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04009
AQUIFER: DENVER
SCREENED INT.: 145.0-155.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SS
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	22.200
BTZ	1.500
C6H6	3.050
CA	9440.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	13.700
FL	5640.000
HG	<0.359
ISODR	<0.056
K	3810.000
MEC6H5	5.200
MG	<500.000
MIBK	<12.900
MXYLEN	45.100
NA	74500.000
NIT	1330.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	17700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	53.400
ZN	30.100

WELL 04010
AQUIFER: ALLUVIUM
SCREENED INT.: 65.0- 90.0
BEDROCK DEPTH: 87.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	95300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	43300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4460.000
MEC6H5	<1.210
MG	12700.000
MIBK	<12.900
MXYLEN	<1.350
NA	47200.000
NIT	10200.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	87500.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	66.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04011
AQUIFER: DENVER
SCREENED INT.: 153.0-158.0
BEDROCK DEPTH: 87.0
BEDROCK LITH.: SS
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	12.600
BTZ	<1.140
C6H6	<1.340
CA	12100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	7870.000
HG	<0.359
ISODR	<0.056
K	1430.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	76700.000
NIT	3990.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	14900.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<2.200
XYLEN	<2.470
ZN	<40.200

WELL 04014
AQUIFER: ALLUVIUM
SCREENED INT.: 71.0- 81.0
BEDROCK DEPTH: 101.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	134000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	93300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.100
CU	<7.940
DBCP	15.900
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5650.000
MEC6H5	<1.210
MG	15700.000
MIBK	<12.900
MXYLEN	<1.350
NA	64500.000
NIT	12000.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	162000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	36.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04021
AQUIFER: ALLUVIUM
SCREENED INT.: 70.0- 80.0
BEDROCK DEPTH:100.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	1.050
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	102000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.400
CL	66400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	14500.000
MIBK	<12.900
MXYLEN	<1.350
NA	57800.000
NIT	9530.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	136000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	22.800
XYLEN	<2.470
ZN	105.000

WELL 04024
AQUIFER: ALLUVIUM
SCREENED INT.: 65.0- 75.0
BEDROCK DEPTH: 86.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.784
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	71500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	35900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3870.000
MEC6H5	<1.210
MG	8940.000
MIBK	<12.900
MXYLEN	<1.350
NA	50300.000
NIT	10900.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	77700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	47.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04027
AQUIFER: ALLUVIUM
SCREENED INT.: 69.0- 79.0
BEDROCK DEPTH: 99.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	82200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.000
CU	<7.940
DBCP	30.400
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5030.000
MEC6H5	<1.210
MG	18900.000
MIBK	<12.900
MXYLEN	<1.350
NA	62400.000
NIT	8890.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	147000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 04030
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 103.3
BEDROCK LITH.: LG
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	94500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	49700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.000
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4270.000
MEC6H5	<1.210
MG	16200.000
MIBK	<12.900
MXYLEN	<1.350
NA	63000.000
NIT	12200.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	108000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	119.000
XYLEN	<2.470
ZN	102.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04038
AQUIFER: ALLUVIUM
SCREENED INT.: 64.9-- 84.9
BEDROCK DEPTH: 87.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	27.000
112TCE	<1.000
11DCE	8.330
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	122000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	74200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4490.000
MEC6H5	<1.210
MG	13000.000
MIBK	<12.900
MXYLEN	<1.350
NA	56900.000
NIT	8780.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	181000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	26.300
XYLEN	<2.470
ZN	33.900

WELL 04041
AQUIFER: ALLUVIUM
SCREENED INT.: 50.7-- 70.7
BEDROCK DEPTH: 73.8
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	14.500
112TCE	<1.000
11DCE	5.820
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	69000.000
CL6CP	<0.083
CLC6H5	1.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	10.700
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4270.000
MEC6H5	<1.210
MG	13300.000
MIBK	<12.900
MXYLEN	<1.350
NA	49000.000
NIT	9370.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	132000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	21.300
XYLEN	<2.470
ZN	58.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04042
AQUIFER: ALLUVIUM
SCREENED INT.: 78.5- 93.5
BEDROCK DEPTH: 94.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	194000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	185000.000
CL6CP	<0.083
CLC6H5	1.820
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	6570.000
MEC6H5	<1.210
MG	18600.000
MIBK	<12.900
MXYLEN	<1.350
NA	136000.000
NIT	5970.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	364000.000
T12DCE	1.900
TCLEE	4.410
TRCLE	3.620
XYLEN	<2.470
ZN	31.600

WELL 04044
AQUIFER: ALLUVIUM
SCREENED INT.: 49.0- 69.0
BEDROCK DEPTH: 69.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	187000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	164000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	9.510
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	6850.000
MEC6H5	<1.210
MG	18900.000
MIBK	<12.900
MXYLEN	<1.350
NA	126000.000
NIT	5750.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	355000.000
T12DCE	1.850
TCLEE	4.590
TRCLE	4.240
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 04045
AQUIFER: ALLUVIUM
SCREENED INT.: 88.0-108.0
BEDROCK DEPTH: 108.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	199000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	153000.000
CL6CP	<0.083
CLC6H5	1.080
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5870.000
MEC6H5	<1.210
MG	17600.000
MIBK	<12.900
MXYLEN	<1.350
NA	128000.000
NIT	5820.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	352000.000
T12DCE	2.840
TCLEE	4.760
TRCLE	4.850
XYLEN	<2.470
ZN	30.200

WELL 05001
AQUIFER: DENVER
SCREENED INT.: 22.8- 28.8
BEDROCK DEPTH: 6.4
BEDROCK LITH.: ST
SCREENED ZONE: B

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	331000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	158000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	15.700
CU	9.740
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2020.000
HG	<0.359
ISODR	<0.056
K	8660.000
MEC6H5	<1.210
MG	38600.000
MIBK	<12.900
MXYLEN	<1.350
NA	313000.000
NIT	51500.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1170000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	73.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 06002
AQUIFER: ALLUVIUM
SCREENED INT.: 25.7- 32.7
BEDROCK DEPTH: 32.7
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	54700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	25700.000
CL6CP	<0.083
CLC6H5	1.390
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	3020.000
MEC6H5	<1.210
MG	11400.000
MIBK	<12.900
MXYLEN	<1.350
NA	79100.000
NIT	6900.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	79800.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	40.900

WELL 06003
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 19.0
BEDROCK DEPTH: 21.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	77600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	73100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	7.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4010.000
MEC6H5	<1.210
MG	27200.000
MIBK	<12.900
MXYLEN	<1.350
NA	106000.000
NIT	2500.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	220000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	111.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 06004
AQUIFER: DENVER
SCREENED INT.: 58.0- 63.0
BEDROCK DEPTH: 21.0
BEDROCK LITH.: ST
SCREENED ZONE: A SH

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	2.570
BTZ	<1.140
C6H6	<1.340
CA	67000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	12000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2860.000
MEC6H5	<1.210
MG	5430.000
MIBK	<12.900
MXYLEN	<1.350
NA	105000.000
NIT	70.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	319000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 06005
AQUIFER: DENVER
SCREENED INT.: 83.0- 93.0
BEDROCK DEPTH: 21.0
BEDROCK LITH.: ST
SCREENED ZONE: AL LG

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	15900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	13600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	963.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	109000.000
NIT	20.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	146000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 07001
AQUIFER: ALLUVIUM
SCREENED INT.: 16.8- 21.8
BEDROCK DEPTH: 21.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	413000.000
CCL4	<2.400
CD	11.500
CH2CL2	<5.000
CHCL3	<1.400
CL	39500.000
CL6CP	<0.083
CLC6H5	1.870
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	37.400
CU	29.600
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2650.000
HG	<0.359
ISODR	<0.056
K	4920.000
MEC6H5	<1.210
MG	26600.000
MIBK	<12.900
MXYLEN	<1.350
NA	363000.000
NIT	726.000
OXAT	<1.350
PB	24.200
PPDDE	<0.046
PPDDT	<0.059
SO4	295000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	96.900

WELL 07004
AQUIFER: DENVER
SCREENED INT.: 44.0- 59.0
BEDROCK DEPTH: 22.0
BEDROCK LITH.: SH
SCREENED ZONE: B

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<1.280
FL	.
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 08003
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 29.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.636
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	76100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	50600.000
CL6CP	<0.083
CLC6H5	0.737
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.000
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3020.000
MEC6H5	<1.210
MG	20100.000
MIBK	<12.900
MXYLEN	<1.350
NA	78200.000
NIT	> 20000.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	77600.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 08005
AQUIFER: DENVER
SCREENED INT.: 148.0-208.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SS
SCREENED ZONE: AL LG

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	2.570
BTZ	<1.140
C6H6	<1.340
CA	4740.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	23100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1210.000
HG	<0.359
ISODR	<0.056
K	659.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	92900.000
NIT	12.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	17100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	41.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 09002
AQUIFER: ALLUVIUM
SCREENED INT.: 64.0- 84.0
BEDROCK DEPTH: 84.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	170000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	94200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	6220.000
MEC6H5	<1.210
MG	19600.000
MIBK	<12.900
MXYLEN	<1.350
NA	107000.000
NIT	8430.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	335000.000
T12DCE	<1.200
TCLEE	1.590
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 09003
AQUIFER: DENVER
SCREENED INT.: 104.0-129.0
BEDROCK DEPTH: 84.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	21600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5890.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1450.000
HG	<0.359
ISODR	<0.056
K	1040.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	59600.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	59300.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	21.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 09005
AQUIFER: ALLUVIUM
SCREENED INT.: 51.5- 77.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	187000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	115000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5870.000
MEC6H5	<1.210
MG	16800.000
MIBK	<12.900
MXYLEN	<1.350
NA	124000.000
NIT	11600.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	330000.000
T12DCE	8.990
TCLEE	1.870
TRCLE	5.860
XYLEN	<2.470
ZN	28.500

WELL 09006
AQUIFER: ALLUVIUM
SCREENED INT.: 41.8- 67.3
BEDROCK DEPTH: 68.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	173000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	137000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4090.000
MEC6H5	<1.210
MG	17600.000
MIBK	<12.900
MXYLEN	<1.350
NA	73300.000
NIT	3510.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	264000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	39.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 09008
AQUIFER: ALLUVIUM
SCREENED INT.: 60.8- 75.8
BEDROCK DEPTH: 76.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	8.180
112TCE	<1.000
11DCE	2.960
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	130000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	85900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4750.000
MEC6H5	<1.210
MG	11100.000
MIBK	<12.900
MXYLEN	<1.350
NA	51600.000
NIT	9820.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	142000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	17.400
XYLEN	<2.470
ZN	<40.200

WELL 09010
AQUIFER: ALLUVIUM
SCREENED INT.: 64.0- 84.0
BEDROCK DEPTH: 85.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	88700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	44700.000
CL6CP	<0.083
CLC6H5	0.659
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3280.000
MEC6H5	<1.210
MG	10100.000
MIBK	<12.900
MXYLEN	<1.350
NA	48300.000
NIT	6870.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	84500.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 09011
AQUIFER: ALLUVIUM
SCREENED INT.: 75.0- 90.0
BEDROCK DEPTH: 90.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	73.000
112TCE	<1.000
11DCE	24.200
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	129000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	79500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	6.140
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4750.000
MEC6H5	<1.210
MG	11200.000
MIBK	<12.900
MXYLEN	<1.350
NA	61500.000
NIT	8690.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	168000.000
T12DCE	1.600
TCLEE	<1.300
TRCLE	36.300
XYLEN	<2.470
ZN	<40.200

WELL 09013
AQUIFER: ALLUVIUM
SCREENED INT.: 55.0- 75.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	85.200
112TCE	<1.000
11DCE	28.700
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	137000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	87300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.770
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5300.000
MEC6H5	<1.210
MG	12200.000
MIBK	<12.900
MXYLEN	<1.350
NA	60300.000
NIT	9030.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	161000.000
T12DCE	2.570
TCLEE	<1.300
TRCLE	41.500
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 11002
AQUIFER: ALLUVIUM
SCREENED INT.: 20.0- 65.0
BEDROCK DEPTH: 65.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	47600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	34000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1350.000
HG	<0.359
ISODR	<0.056
K	3320.000
MEC6H5	<1.210
MG	7280.000
MIBK	<12.900
MXYLEN	<1.350
NA	25400.000
NIT	3730.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	22200.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	61.600

WELL 11004
AQUIFER: DENVER
SCREENED INT.: 97.0-103.0
BEDROCK DEPTH: 65.0
BEDROCK LITH.: SH
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	8670.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5520.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1750.000
HG	<0.359
ISODR	<0.056
K	659.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	58400.000
NIT	32.800
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	12100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 12002
AQUIFER: ALLUVIUM
SCREENED INT.: 19.0- 44.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	95900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	102000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	17.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4540.000
MEC6H5	<1.210
MG	19300.000
MIBK	<12.900
MXYLEN	<1.350
NA	82900.000
NIT	3810.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	149000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	29.500

WELL 12003
AQUIFER: DENVER
SCREENED INT.: 60.0- 70.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: B

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	57100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	32800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1880.000
MEC6H5	<1.210
MG	8130.000
MIBK	<12.900
MXYLEN	<1.350
NA	43000.000
NIT	4080.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	47900.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	28.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 12004
AQUIFER: DENVER
SCREENED INT.: 109.5-124.5
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: AU

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	16100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	7630.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	818.000
MEC6H5	<1.210
MG	548.000
MIBK	<12.900
MXYLEN	<1.350
NA	87000.000
NIT	<100.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	85300.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 19001
AQUIFER: ALLUVIUM
SCREENED INT.: 23.6- 39.6
BEDROCK DEPTH: 25.1
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	158000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	147000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	17.900
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	2710.000
MEC6H5	<1.210
MG	46400.000
MIBK	<12.900
MXYLEN	<1.350
NA	202000.000
NIT	176.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	570000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 19003
AQUIFER: DENVER
SCREENED INT.: 13.0- 21.0
BEDROCK DEPTH: 5.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	304000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	173000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	43.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	8.920
DMDS	<1.160
DMMP	<15.200
ENDRN	0.198
ETC6H5	<1.280
FL	2340.000
HG	<0.359
ISODR	<0.056
K	4840.000
MEC6H5	<1.210
MG	89300.000
MIBK	<12.900
MXYLEN	<1.350
NA	442000.000
NIT	3210.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1800000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	59.600

WELL 19015
AQUIFER: DENVER
SCREENED INT.: 55.0- 75.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	124000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	83300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.500
CU	16.700
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4620.000
MEC6H5	<1.210
MG	26500.000
MIBK	<12.900
MXYLEN	<1.350
NA	495000.000
NIT	137.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	987000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 19017
AQUIFER: DENVER
SCREENED INT.: 27.0- 47.0
BEDROCK DEPTH: 13.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	76300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	44200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	13.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	10900.000
MEC6H5	<1.210
MG	19500.000
MIBK	<12.900
MXYLEN	<1.350
NA	146000.000
NIT	22800.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	194000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	304.000

WELL 22005
AQUIFER: ALLUVIUM
SCREENED INT.: 37.0- 43.5
BEDROCK DEPTH: 43.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	16.500
CL	286000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	.
DLDRN	0.087
DMDS	.
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	1930.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	156000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22006
AQUIFER: ALLUVIUM
SCREENED INT.: 18.5- 22.5
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	152000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	112000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	15.500
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	4130.000
HG	<0.359
ISODR	<0.056
K	5550.000
MEC6H5	<1.210
MG	43500.000
MIBK	<12.900
MXYLEN	<1.350
NA	463000.000
NIT	3000.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1270000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 22008
AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 63.3
BEDROCK DEPTH: 63.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	9.370
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	20.400
CL	736000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.344
DCPD	<9.310
DIMP	58.300
DITH	.
DLDRN	0.654
DMDS	.
DMMP	<15.200
ENDRN	0.294
ETC6H5	<0.620
FL	2980.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	407000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.620
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22011
AQUIFER: ALLUVIUM
SCREENED INT.: 38.5- 42.5
BEDROCK DEPTH: 42.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	5.830
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	402000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.100
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	321000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 22015
AQUIFER: ALLUVIUM
SCREENED INT.: 41.0- 51.0
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.270
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	28.100
CL	460000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.147
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.235
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2940.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	232000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.940
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22016
AQUIFER: ALLUVIUM
SCREENED INT.: 37.0- 47.0
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.930
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	30.200
CL	353000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	12.000
DITH	.
DLDRN	0.192
DMDS	.
DMMP	<15.200
ENDRN	0.112
ETC6H5	<0.620
FL	2100.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	194000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.170
XYLEN	<1.340
ZN	.

WELL 22017
AQUIFER: ALLUVIUM
SCREENED INT.: 42.0- 52.0
BEDROCK DEPTH: 52.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.370
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	34.200
CL	430000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.272
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	231000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22018
AQUIFER: ALLUVIUM
SCREENED INT.: 30.5- 40.5
BEDROCK DEPTH: 40.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	10.300
CL	312000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1900.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	168000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 22019
AQUIFER: ALLUVIUM
SCREENED INT.: 42.0- 52.0
BEDROCK DEPTH: 52.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	11.000
CL	315000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1820.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	171000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22021
AQUIFER: ALLUVIUM
SCREENED INT.: 38.1- 47.1
BEDROCK DEPTH: 57.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	122000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	13.100
CL	387000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1230.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	34500.000
MIBK	<12.900
MXYLEN	<1.350
NA	197000.000
NIT	3720.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2520000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	33.500

WELL 22023
AQUIFER: DENVER
SCREENED INT.: 70.0- 80.0
BEDROCK DEPTH: 57.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	4.240
BTZ	<1.140
C6H6	<1.340
CA	51500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	104000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1740.000
MEC6H5	<1.210
MG	5640.000
MIBK	<12.900
MXYLEN	<1.350
NA	72400.000
NIT	108.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	62400.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22024
AQUIFER: DENVER
SCREENED INT.: 95.0-105.0
BEDROCK DEPTH: 57.0
BEDROCK LITH.: SH
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	4.940
BTZ	<1.140
C6H6	<1.340
CA	50000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	14600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	12.500
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2480.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	98500.000
NIT	201.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	83700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	45.600

WELL 22027
AQUIFER: DENVER
SCREENED INT.: 65.0- 75.0
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	> 9.040
CA	460000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	346000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	26.000
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1900.000
HG	<0.359
ISODR	<0.056
K	10100.000
MEC6H5	<1.210
MG	38500.000
MIBK	<12.900
MXYLEN	<1.350
NA	838000.000
NIT	379.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1990000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	41.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22028
AQUIFER: DENVER
SCREENED INT.: 100.0-115.0
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	273000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	643000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	6.620
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1740.000
HG	<0.359
ISODR	<0.056
K	5050.000
MEC6H5	<1.210
MG	9740.000
MIBK	<12.900
MXYLEN	<1.350
NA	737000.000
NIT	224.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1550000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 22030
AQUIFER: DENVER
SCREENED INT.: 100.0-110.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	122000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	444000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	14.400
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1290.000
HG	<0.359
ISODR	<0.056
K	2570.000
MEC6H5	<1.210
MG	5200.000
MIBK	<12.900
MXYLEN	<1.350
NA	520000.000
NIT	51.600
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	773000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22031
AQUIFER: DENVER
SCREENED INT.: 124.0-134.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	76200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	455000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2010.000
MEC6H5	<1.210
MG	1070.000
MIBK	<12.900
MXYLEN	<1.350
NA	444000.000
NIT	34.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	476000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	113.000

WELL 22033
AQUIFER: ALLUVIUM
SCREENED INT.: 31.5- 55.5
BEDROCK DEPTH: 55.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	16.200
CL	295000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1680.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	153000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22043
AQUIFER: ALLUVIUM
SCREENED INT.: 34.5- 57.5
BEDROCK DEPTH: 57.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	40.400
CL	323000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.147
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1640.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	140000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.790
XYLEN	<1.340
ZN	.

WELL 22044
AQUIFER: ALLUVIUM
SCREENED INT.: 27.5- 32.5
BEDROCK DEPTH: 32.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.720
BTZ	.
C6H6	7.420
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	743000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.159
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3750.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	403000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22049
AQUIFER: ALLUVIUM
SCREENED INT.: 25.3- 35.3
BEDROCK DEPTH: 35.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	.
AS	.
BTZ	.
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	.
CLC6H5	<0.580
CLDAN	.
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<21.600
DIMP	13.600
DITH	.
DLDRN	.
DMDS	.
DMMP	<15.200
ENDRN	.
ETC6H5	<1.280
FL	.
HG	.
ISODR	.
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	.
PPDDT	.
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WELL 22051
AQUIFER: ALLUVIUM
SCREENED INT.: 25.2- 45.2
BEDROCK DEPTH: 45.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	5.820
BTZ	<1.140
C6H6	<1.340
CA	135000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	738000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.377
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2270.000
HG	<0.359
ISODR	<0.056
K	6810.000
MEC6H5	<1.210
MG	31100.000
MIBK	<12.900
MXYLEN	<1.350
NA	444000.000
NIT	19700.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	295000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	45.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22053
AQUIFER: ALLUVIUM
SCREENED INT.: 30.0- 50.0
BEDROCK DEPTH: 46.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	7.660
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	15.300
CL	757000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.279
DCPD	<9.310
DIMP	24.800
DITH	.
DLDRN	0.419
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3030.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	430000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.680
XYLEN	<1.340
ZN	.

WELL 22059
AQUIFER: ALLUVIUM
SCREENED INT.: 42.7- 52.7
BEDROCK DEPTH: 53.4
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	324000.000
CCL4	<2.400
CD	7.070
CH2CL2	<5.000
CHCL3	26.700
CL	615000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	2.160
CPMSO2	<2.240
CR	649.000
CU	589.000
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.188
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2170.000
HG	<0.359
ISODR	<0.056
K	2060.000
MEC6H5	<1.210
MG	197000.000
MIBK	<12.900
MXYLEN	<1.350
NA	383000.000
NIT	5000.000
OXAT	<1.350
PB	75.300
PPDDE	<0.046
PPDDT	<0.059
SO4	252000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	2210.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 22065		WELL 23004	
AQUIFER: ALLUVIUM		AQUIFER: ALLUVIUM	
SCREENED INT.: 0.0- 0.0		SCREENED INT.: 15.0- 27.0	
BEDROCK DEPTH: 0.0		BEDROCK DEPTH: 31.9	
BEDROCK LITH.:		BEDROCK LITH.: SS	
SCREENED ZONE: ALLUVIUM		SCREENED ZONE: ALLUVIUM	
COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.090	111TCE	<170.000
112TCE	<1.630	112TCE	<100.000
11DCE	<1.850	11DCE	<110.000
11DCLE	<1.930	11DCLE	<120.000
12DCLE	<2.070	12DCLE	<61.000
ALDRN	<0.083	ALDRN	<0.415
AS	<2.500	AS	4.980
BTZ	.	BTZ	<1.140
C6H6	<1.920	C6H6	<134.000
CA	.	CA	623000.000
CCL4	<1.690	CCL4	<240.000
CD	.	CD	<5.160
CH2CL2	<2.480	CH2CL2	<500.000
CHCL3	15.900	CHCL3	7330.000
CL	322000.000	CL	2650000.000
CL6CP	<0.083	CL6CP	<0.415
CLC6H5	<1.360	CLC6H5	<58.000
CLDAN	<0.152	CLDAN	<0.760
CPMS	.	CPMS	<1.080
CPMSO	.	CPMSO	<1.980
CPMSO2	.	CPMSO2	10.600
CR	.	CR	59.800
CU	.	CU	18.400
DBCP	<0.130	DBCP	1.420
DCPD	<9.310	DCPD	414.000
DIMP	<10.500	DIMP	1590.000
DITH	.	DITH	10.800
DLDRN	<0.054	DLDRN	3.480
DMDS	.	DMDS	<1.160
DMMP	<15.200	DMMP	<15.200
ENDRN	<0.060	ENDRN	0.512
ETC6H5	<0.620	ETC6H5	<128.000
FL	1780.000	FL	4430.000
HG	.	HG	<0.359
ISODR	<0.056	ISODR	<0.280
K	.	K	12600.000
MEC6H5	<2.100	MEC6H5	<121.000
MG	.	MG	279000.000
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.040	MXYLEN	<135.000
NA	.	NA	838000.000
NIT	.	NIT	14.400
OXAT	.	OXAT	2.910
PB	.	PB	<18.600
PPDDE	<0.046	PPDDE	<0.230
PPDDT	<0.059	PPDDT	<0.295
SO4	174000.000	SO4	832000.000
T12DCE	<1.750	T12DCE	<120.000
TCLEE	<2.760	TCLEE	<130.000
TRCLE	<1.310	TRCLE	<110.000
XYLEN	<1.340	XYLEN	<247.000
ZN	.	ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23007
AQUIFER: ALLUVIUM
SCREENED INT.: 31.8- 41.8
BEDROCK DEPTH: 41.4
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	6.060
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	208.000
CL	342000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	2.280
CPMSO	61.600
CPMSO2	4.790
CR	.
CU	.
DBCP	2.170
DCPD	<9.310
DIMP	197.000
DITH	<1.590
DLDRN	0.995
DMDS	<1.160
DMMP	<15.200
ENDRN	0.870
ETC6H5	<0.620
FL	1960.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	402000.000
T12DCE	<1.750
TCLEE	10.600
TRCLE	1.330
XYLEN	<1.340
ZN	.

WELL 23008
AQUIFER: ALLUVIUM
SCREENED INT.: 34.7- 44.7
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	2.870
CL	273000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.090
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2850.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	3500000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23009
AQUIFER: ALLUVIUM
SCREENED INT.: 17.8- 22.8
BEDROCK DEPTH: 23.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.080
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	247000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	15.800
CR	.
CU	.
DBCP	<0.130
DCPD	11.200
DIMP	> 210.000
DITH	16.900
DLDRN	0.573
DMDS	<1.160
DMMP	<15.200
ENDRN	0.248
ETC6H5	<0.620
FL	3560.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	3.690
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	226000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23010
AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 19.0
BEDROCK DEPTH: 19.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.080
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	289000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	15.900
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	1370.000
DITH	7.900
DLDRN	0.105
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	2.500
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	379000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23011
AQUIFER: ALLUVIUM
SCREENED INT.: 19.5- 22.5
BEDROCK DEPTH: 22.5
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.720
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	599000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.220
CPMSO2	14.100
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	558.000
DITH	8.060
DLDRN	0.256
DMDS	<1.160
DMMP	<15.200
ENDRN	0.200
ETC6H5	<0.620
FL	3100.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	3.080
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	231000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23029
AQUIFER: ALLUVIUM
SCREENED INT.: 13.2- 23.2
BEDROCK DEPTH: 23.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	.
112TCE	.
11DCE	.
11DCLE	.
12DCLE	.
ALDRN	<0.083
AS	<2.500
BTZ	1.410
C6H6	.
CA	51300.000
CCL4	.
CD	<5.160
CH2CL2	.
CHCL3	.
CL	267000.000
CL6CP	<0.083
CLC6H5	.
CLDAN	<0.152
CPMS	30.100
CPMSO	12.700
CPMSO2	310.000
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	420.000
DITH	55.000
DLDRN	0.670
DMDS	8.470
DMMP	<15.200
ENDRN	0.421
ETC6H5	.
FL	3470.000
HG	<0.359
ISODR	<0.056
K	3620.000
MEC6H5	.
MG	20000.000
MIBK	<12.900
MXYLEN	.
NA	294000.000
NIT	179.000
OXAT	13.100
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	221000.000
T12DCE	.
TCLEE	.
TRCLE	.
XYLEN	.
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23033
AQUIFER: ALLUVIUM
SCREENED INT.: 23.7- 28.7
BEDROCK DEPTH: 29.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.010
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	1320000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	161.000
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	681.000
DITH	32.300
DLDRN	0.188
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3630.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	7.460
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	410000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.310
XYLEN	<1.340
ZN	.

WELL 23043
AQUIFER: ALLUVIUM
SCREENED INT.: 16.7- 20.7
BEDROCK DEPTH: 23.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	238000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	34.000
CPMSO2	3.360
CR	.
CU	.
DBCP	0.270
DCPD	40.800
DIMP	15.000
DITH	<1.590
DLDRN	0.449
DMDS	<1.160
DMMP	<15.200
ENDRN	0.274
ETC6H5	<0.620
FL	2530.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	427000.000
T12DCE	<1.750
TCLEE	5.720
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23047
AQUIFER: ALLUVIUM
SCREENED INT.: 21.9- 25.9
BEDROCK DEPTH: 25.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	3.470
CL	348000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.770
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	69.900
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2730.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	857000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23049
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 42.4
BEDROCK DEPTH: 45.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<34.000
112TCE	<20.000
11DCE	<22.000
11DCLE	<24.000
12DCLE	143.000
ALDRN	<1.400
AS	45.200
BTZ	<2.000
C6H6	<26.800
CA	113000.000
CCL4	<48.000
CD	<5.160
CH2CL2	<100.000
CHCL3	10800.000
CL	5200000.000
CL6CP	<1.400
CLC6H5	<11.600
CLDAN	.
CPMS	<28.100
CPMSO	<4.200
CPMSO2	478.000
CR	<5.960
CU	<7.940
DBCP	0.275
DCPD	1200.000
DIMP	474.000
DITH	92.900
DLDRN	<1.200
DMDS	<1.800
DMMP	<76.000
ENDRN	<1.040
ETC6H5	<25.600
FL	<12200.000
HG	<0.480
ISODR	<1.200
K	33200.000
MEC6H5	<24.200
MG	178000.000
MIBK	<12.900
MXYLEN	<27.000
NA	2990000.000
NIT	310.000
OXAT	19.800
PB	<18.600
PPDDE	<1.060
PPDDT	<1.400
SO4	1350000.000
T12DCE	<24.000
TCLEE	43.100
TRCLE	<110.000
XYLEN	<49.400
ZN	34.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23050
AQUIFER: ALLUVIUM
SCREENED INT.: 46.4- 50.4
BEDROCK DEPTH: 48.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.100
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	1320000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	7.020
CPMSO2	145.000
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	1270.000
DITH	23.100
DLDRN	0.210
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4040.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	6.390
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	412000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23052
AQUIFER: ALLUVIUM
SCREENED INT.: 35.6- 39.6
BEDROCK DEPTH: 39.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	80.100
ALDRN	<0.083
AS	9.150
BTZ	12.800
C6H6	11.200
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	> 5930.000
CL	5910000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	125.000
CPMSO	<1.980
CPMSO2	647.000
CR	.
CU	.
DBCP	0.306
DCPD	264.000
DIMP	1510.000
DITH	74.300
DLDRN	1.110
DMDS	7.410
DMMP	<15.200
ENDRN	0.989
ETC6H5	<0.620
FL	13400.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	19.100
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1940000.000
T12DCE	<1.750
TCLEE	34.300
TRCLE	13.500
XYLEN	1.490
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23053
AQUIFER: DENVER
SCREENED INT.: 43.1- 47.1
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<85.000
112TCE	<1.000
11DCE	<1.100
11DCLE	2.110
12DCLE	<61.000
ALDRN	<0.083
AS	9.080
BTZ	5.000
C6H6	19.600
CA	1040000.000
CCL4	<120.000
CD	<5.160
CH2CL2	58.900
CHCL3	16500.000
CL	4750000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	94.300
CPMSO	<1.980
CPMSO2	520.000
CR	<5.960
CU	16.800
DBCP	1.690
DCPD	256.000
DIMP	1660.000
DITH	<79.500
DLDRN	> 2.060
DMDS	28.500
DMMP	156.000
ENDRN	1.220
ETC6H5	1.340
FL	7500.000
HG	<0.359
ISODR	<0.056
K	14500.000
MEC6H5	1.460
MG	449000.000
MIBK	<129.000
MXYLEN	<1.350
NA	1460000.000
NIT	<10.000
OXAT	17.200
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1280000.000
T12DCE	<1.200
TCLEE	37.900
TRCLE	7.650
XYLEN	<2.470
ZN	<20.100

WELL 23057
AQUIFER: ALLUVIUM
SCREENED INT.: 41.6- 45.6
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	6.150
ALDRN	<0.083
AS	6.430
BTZ	1.770
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	198.000
CL	1980000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	12.700
CPMSO	19.600
CPMSO2	16.800
CR	.
CU	.
DBCP	<0.130
DCPD	165.000
DIMP	3070.000
DITH	33.000
DLDRN	0.478
DMDS	<1.160
DMMP	<15.200
ENDRN	0.321
ETC6H5	<0.620
FL	4440.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	12.100
PB	.
PPDDE	0.102
PPDDT	<0.059
SO4	521000.000
T12DCE	<1.750
TCLEE	38.400
TRCLE	4.640
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23058
AQUIFER: ALLUVIUM
SCREENED INT.: 39.1- 43.1
BEDROCK DEPTH: 41.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.117
AS	.
BTZ	<1.140
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<21.600
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	.
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WELL 23085
AQUIFER: ALLUVIUM
SCREENED INT.: 23.6- 27.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.780
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	370000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	4.940
CPMSO2	9.440
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	387.000
DITH	12.300
DLDRN	0.178
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	3310.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	3.810
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	185000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23095
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 48.3
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<10.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	26.600
ALDRN	<0.700
AS	18.000
BTZ	<2.000
C6H6	<13.400
CA	345000.000
CCL4	<24.000
CD	<5.160
CH2CL2	<5.000
CHCL3	997.000
CL	5580000.000
CL6CP	<0.700
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	430.000
CR	15.200
CU	<7.940
DBCP	<0.130
DCPD	681.000
DIMP	788.000
DITH	66.300
DLDRN	<0.600
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.520
ETC6H5	<1.280
FL	9690.000
HG	<0.480
ISODR	<0.600
K	48200.000
MEC6H5	8.110
MG	209000.000
MIBK	<12.900
MXYLEN	<1.350
NA	3320000.000
NIT	40.300
OXAT	11.700
PB	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	1520000.000
T12DCE	<1.200
TCLEE	28.500
TRCLE	<110.000
XYLEN	<2.470
ZN	38.700

WELL 23096
AQUIFER: ALLUVIUM
SCREENED INT.: 27.0- 37.0
BEDROCK DEPTH: 37.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	2.960
CD	.
CH2CL2	.
CHCL3	1560.000
CL	309000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	1.710
CPMSO	48.500
CPMSO2	<2.240
CR	.
CU	.
DBCP	4.590
DCPD	<9.310
DIMP	142.000
DITH	<1.590
DLDRN	1.090
DMDS	<1.160
DMMP	<30.400
ENDRN	1.330
ETC6H5	<0.620
FL	2700.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	412000.000
T12DCE	<1.750
TCLEE	32.900
TRCLE	1.790
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23102
AQUIFER: ALLUVIUM
SCREENED INT.: 32.7- 36.1
BEDROCK DEPTH: 36.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	28.700
ALDRN	<0.083
AS	5.510
BTZ	4.300
C6H6	9.970
CA	.
CCL4	<1.690
CD	.
CH2CL2	17.500
CHCL3	3830.000
CL	2090000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	37.000
CPMSO	14.500
CPMSO2	122.000
CR	.
CU	.
DBCP	0.432
DCPD	272.000
DIMP	2660.000
DITH	67.400
DLDRN	0.639
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	4980.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	19.300
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	566000.000
T12DCE	<1.750
TCLEE	58.300
TRCLE	9.120
XYLEN	<1.340
ZN	.

WELL 23106
AQUIFER: DENVER
SCREENED INT.: 34.4- 37.8
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	47.800
ALDRN	<0.415
AS	4.590
BTZ	6.620
C6H6	7.470
CA	.
CCL4	<1.690
CD	.
CH2CL2	11.700
CHCL3	8760.000
CL	1900000.000
CL6CP	<0.415
CLC6H5	<1.360
CLDAN	<0.760
CPMS	49.200
CPMSO	91.300
CPMSO2	111.000
CR	.
CU	.
DBCP	5.570
DCPD	161.000
DIMP	1900.000
DITH	34.800
DLDRN	2.060
DMDS	<1.160
DMMP	<152.000
ENDRN	0.438
ETC6H5	<0.620
FL	4440.000
HG	.
ISODR	0.411
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	10.300
PB	.
PPDDE	<0.230
PPDDT	<0.295
SO4	612000.000
T12DCE	<1.750
TCLEE	50.100
TRCLE	4.380
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23108
AQUIFER: ALLUVIUM
SCREENED INT.: 36.5- 40.5
BEDROCK DEPTH: 38.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	11.200
BTZ	<2.000
C6H6	<1.340
CA	127000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	629000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.176
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2650.000
HG	<0.480
ISODR	<0.060
K	6590.000
MEC6H5	<1.210
MG	58500.000
MIBK	<12.900
MXYLEN	<1.350
NA	604000.000
NIT	1140.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	382000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 23118
AQUIFER: ALLUVIUM
SCREENED INT.: 13.5- 17.5
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.150
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	230000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	11.000
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	558.000
DITH	1.680
DLDRN	0.181
DMDS	<1.160
DMMP	<152.000
ENDRN	<0.060
ETC6H5	<0.620
FL	4800.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	0.065
PPDDT	<0.059
SO4	289000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23119
AQUIFER: ALLUVIUM
SCREENED INT.: 14.0- 18.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.930
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	324000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.760
CPMSO2	11.000
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	1530.000
DITH	4.090
DLDRN	0.246
DMDS	<1.160
DMMP	<380.000
ENDRN	<0.060
ETC6H5	<0.620
FL	3670.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	1.660
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	437000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23120
AQUIFER: ALLUVIUM
SCREENED INT.: 13.5- 17.5
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	7.280
ALDRN	<0.083
AS	2.810
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	517000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	1.630
CPMSO	2.820
CPMSO2	25.200
CR	.
CU	.
DBCP	<0.130
DCPD	66.400
DIMP	966.000
DITH	33.100
DLDRN	<0.054
DMDS	<1.160
DMMP	<380.000
ENDRN	<0.060
ETC6H5	<0.620
FL	3190.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	6.610
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	272000.000
T12DCE	<1.750
TCLEE	2.830
TRCLE	3.210
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23123
AQUIFER: ALLUVIUM
SCREENED INT.: 20.0- 24.0
BEDROCK DEPTH: 23.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	5.120
ALDRN	<0.083
AS	2.810
BTZ	1.660
C6H6	7.590
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	3.890
CL	1020000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	21.400
CPMSO	18.300
CPMSO2	78.100
CR	.
CU	.
DBCP	0.191
DCPD	875.000
DIMP	580.000
DITH	33.600
DLDRN	0.355
DMDS	<1.160
DMMP	<304.000
ENDRN	<0.060
ETC6H5	<0.620
FL	3410.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	8.140
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	423000.000
T12DCE	<1.750
TCLEE	40.400
TRCLE	6.540
XYLEN	<1.340
ZN	.

WELL 23140
AQUIFER: ALLUVIUM
SCREENED INT.: 38.6- 54.6
BEDROCK DEPTH: 53.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	3.250
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	295000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	7.500
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	178.000
DITH	2.960
DLDRN	<0.054
DMDS	<1.160
DMMP	<76.000
ENDRN	<0.060
ETC6H5	<0.620
FL	5420.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	1.710
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	383000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23142
AQUIFER: ALLUVIUM
SCREENED INT.: 38.0- 59.4
BEDROCK DEPTH: 56.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	4.200
BTZ	<2.000
C6H6	<1.340
CA	112000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	518000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	6.210
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	1340.000
DITH	21.400
DLDRN	<0.060
DMDS	<1.800
DMMP	<380.000
ENDRN	<0.052
ETC6H5	<1.280
FL	2650.000
HG	<0.480
ISODR	<0.060
K	5840.000
MEC6H5	<1.210
MG	36100.000
MIBK	<12.900
MXYLEN	<1.350
NA	428000.000
NIT	<20.000
OXAT	4.100
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	271000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 23150
AQUIFER: ALLUVIUM
SCREENED INT.: 22.0- 30.0
BEDROCK DEPTH: 28.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.150
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	275000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.153
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4060.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	0.047
PPDDT	<0.059
SO4	353000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WR R WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23151
AQUIFER: ALLUVIUM
SCREENED INT.: 27.0- 35.0
BEDROCK DEPTH: 34.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	294000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	6.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	270.000
DITH	2.060
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3660.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	381000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23160
AQUIFER: ALLUVIUM
SCREENED INT.: 22.0- 30.0
BEDROCK DEPTH: 27.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	11.900
ALDRN	<0.083
AS	3.580
BTZ	1.960
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	1650000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	18.400
CPMSO	<1.980
CPMSO2	133.000
CR	.
CU	.
DBCP	<0.130
DCPD	380.000
DIMP	1200.000
DITH	58.500
DLDRN	0.838
DMDS	<1.160
DMMP	<380.000
ENDRN	<0.600
ETC6H5	<0.620
FL	4670.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	11.900
PB	.
PPDDE	0.103
PPDDT	<0.059
SO4	686000.000
T12DCE	<1.750
TCLEE	19.300
TRCLE	11.600
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23161
AQUIFER: DENVER
SCREENED INT.: 64.0- 74.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	167000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	41500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4470.000
MEC6H5	<1.210
MG	13000.000
MIBK	<12.900
MXYLEN	<1.350
NA	352000.000
NIT	42.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1040000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	70.500

WELL 23177
AQUIFER: DENVER
SCREENED INT.: 33.0- 53.0
BEDROCK DEPTH: 14.5
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	296000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.030
CL	496000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	20.400
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	27.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1910.000
HG	<0.359
ISODR	<0.056
K	4100.000
MEC6H5	<1.210
MG	77400.000
MIBK	<12.900
MXYLEN	<1.350
NA	377000.000
NIT	3230.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1140000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23178
AQUIFER: ALLUVIUM
SCREENED INT.: 16.5- 26.5
BEDROCK DEPTH: 18.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	10.400
ALDRN	<0.083
AS	2.810
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	558000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	1.850
CPMSO	6.520
CPMSO2	23.500
CR	.
CU	.
DBCP	<0.130
DCPD	152.000
DIMP	681.000
DITH	27.100
DLDRN	<0.054
DMDS	<1.160
DMMP	<304.000
ENDRN	<0.060
ETC6H5	<0.620
FL	3030.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	5.740
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	343000.000
T12DCE	<1.750
TCLEE	6.530
TRCLE	3.430
XYLEN	<1.340
ZN	.

WELL 23179
AQUIFER: ALLUVIUM
SCREENED INT.: 17.0- 42.0
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<170.000
112TCE	<1.000
11DCE	<1.100
11DCLE	3.370
12DCLE	<61.000
ALDRN	<0.830
AS	23.200
BTZ	<1.140
C6H6	<134.000
CA	612000.000
CCL4	<240.000
CD	<5.160
CH2CL2	129.000
CHCL3	> 19400.000
CL	4210000.000
CL6CP	<0.830
CLC6H5	<0.580
CLDAN	<1.520
CPMS	108.000
CPMSO	18.300
CPMSO2	958.000
CR	74.600
CU	10.500
DBCP	<0.130
DCPD	437.000
DIMP	908.000
DITH	54.800
DLDRN	<0.550
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.600
ETC6H5	2.140
FL	9010.000
HG	<0.359
ISODR	<0.560
K	23000.000
MEC6H5	4.570
MG	225000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1760000.000
NIT	537.000
OXAT	17.500
PB	<18.600
PPDDE	<0.460
PPDDT	<0.590
SO4	1190000.000
T12DCE	<1.200
TCLEE	57.900
TRCLE	11.100
XYLEN	3.230
ZN	52.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23180
AQUIFER: DENVER
SCREENED INT.: 65.0- 70.0
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	2.140
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	73300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	1960.000
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	576000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WELL 23181
AQUIFER: DENVER
SCREENED INT.: 85.0- 95.0
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	1.780
CA	45300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	63800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2270.000
MEC6H5	<1.210
MG	2050.000
MIBK	<12.900
MXYLEN	<1.350
NA	263000.000
NIT	3940.000
OXAT	<1.350
PB	40.700
PPDDE	<0.046
PPDDT	<0.059
SO4	539000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	534.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23182
AQUIFER: DENVER
SCREENED INT.: 28.0- 48.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: ST
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	366000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	670000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	22.300
CU	11.200
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3100.000
HG	<0.359
ISODR	<0.056
K	8640.000
MEC6H5	<1.210
MG	79700.000
MIBK	<12.900
MXYLEN	<1.350
NA	1080000.000
NIT	13600.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2590000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 23183
AQUIFER: DENVER
SCREENED INT.: 85.0- 95.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: ST
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	93700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	483000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1300.000
HG	<0.359
ISODR	<0.056
K	3270.000
MEC6H5	<1.210
MG	3480.000
MIBK	<12.900
MXYLEN	<1.350
NA	655000.000
NIT	125.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	868000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23184

AQUIFER: DENVER
SCREENED INT.: 112.0-117.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: ST
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.117
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	38200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	586000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<21.600
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1640.000
HG	<0.359
ISODR	<0.056
K	1790.000
MEC6H5	<1.210
MG	841.000
MIBK	<12.900
MXYLEN	<1.350
NA	376000.000
NIT	195.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	255000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 23185

AQUIFER: DENVER
SCREENED INT.: 37.5- 42.5
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 SH

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	<1.340
CA	669000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1480000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	32.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	5060.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3410.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	78100.000
MIBK	<12.900
MXYLEN	<1.350
NA	914000.000
NIT	2580.000
OXAT	1.790
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1890000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	72.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23186
AQUIFER: DENVER
SCREENED INT.: 74.0- 89.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	343000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	233000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	31.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1550.000
HG	<0.359
ISODR	<0.056
K	6390.000
MEC6H5	<1.210
MG	25000.000
MIBK	<12.900
MXYLEN	<1.350
NA	675000.000
NIT	1610.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1770000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	131.000

WELL 23187
AQUIFER: DENVER
SCREENED INT.: 116.5-131.5
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	5.550
CA	125000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	398000.000
CL6CP	<0.169
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1260.000
HG	<0.359
ISODR	<0.056
K	4770.000
MEC6H5	<1.210
MG	3280.000
MIBK	<12.900
MXYLEN	<1.350
NA	509000.000
NIT	61.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	871000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	50.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23188
AQUIFER: ALLUVIUM
SCREENED INT.: 37.5- 47.5
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.600
ALDRN	<0.332
AS	5.820
BTZ	<1.140
C6H6	<1.340
CA	511000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	2020000.000
CL6CP	<0.332
CLC6H5	<0.580
CLDAN	<0.608
CPMS	<1.080
CPMSO	<1.980
CPMSO2	252.000
CR	70.700
CU	<7.940
DBCP	<0.130
DCPD	18.800
DIMP	1140.000
DITH	42.700
DLDRN	0.372
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.240
ETC6H5	<1.280
FL	3640.000
HG	<0.359
ISODR	<0.224
K	13100.000
MEC6H5	<1.210
MG	234000.000
MIBK	<12.900
MXYLEN	<1.350
NA	898000.000
NIT	204.000
OXAT	8.390
PB	<18.600
PPDDE	<0.184
PPDDT	<0.236
SO4	856000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	5.840
XYLEN	<2.470
ZN	35.100

WELL 23189
AQUIFER: DENVER
SCREENED INT.: 57.5- 67.5
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	145000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	90000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3860.000
MEC6H5	<1.210
MG	9540.000
MIBK	<12.900
MXYLEN	<1.350
NA	408000.000
NIT	28.100
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1160000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	34.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23190
AQUIFER: DENVER
SCREENED INT.: 102.5-107.5
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	24.600
CA	88800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	93100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	4160.000
MEC6H5	<1.210
MG	2740.000
MIBK	<12.900
MXYLEN	<1.350
NA	378000.000
NIT	2660.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	824000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	26.300

WELL 23191
AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 55.0
BEDROCK DEPTH: 54.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.249
AS	3.940
BTZ	<1.140
C6H6	<1.340
CA	135000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1060000.000
CL6CP	<0.249
CLC6H5	<0.580
CLDAN	<0.456
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<112.000
CR	15.500
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	395.000
DITH	13.000
DLDRN	0.230
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.180
ETC6H5	<1.280
FL	2210.000
HG	<0.359
ISODR	<0.168
K	7960.000
MEC6H5	<1.210
MG	60000.000
MIBK	<12.900
MXYLEN	<1.350
NA	714000.000
NIT	6020.000
OXAT	4.210
PB	<18.600
PPDDE	<0.138
PPDDT	<0.177
SO4	413000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	35.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23192
AQUIFER: DENVER
SCREENED INT.: 106.0-116.0
BEDROCK DEPTH: 54.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.249
AS	<2.500
BTZ	<1.140
C6H6	14.600
CA	246000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	340000.000
CL6CP	<0.249
CLC6H5	<0.580
CLDAN	<0.456
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.165
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.180
ETC6H5	<1.280
FL	1360.000
HG	<0.359
ISODR	<0.168
K	6380.000
MEC6H5	<1.210
MG	7520.000
MIBK	<12.900
MXYLEN	<1.350
NA	621000.000
NIT	136.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.138
PPDDT	<0.177
SO4	1290000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.700

WELL 23193
AQUIFER: DENVER
SCREENED INT.: 164.0-169.0
BEDROCK DEPTH: 54.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	34300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	442000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	13.200
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	1.680
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1830.000
HG	<0.359
ISODR	<0.056
K	2650.000
MEC6H5	<1.210
MG	598.000
MIBK	<12.900
MXYLEN	<1.350
NA	289000.000
NIT	20000.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	82200.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23196
AQUIFER: ALLUVIUM
SCREENED INT.: 12.0- 22.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	632000.000
CL6CP	<0.083
CLC6H5	<1.360
CL..N	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	11.900
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	4170.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1750000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23197
AQUIFER: ALLUVIUM
SCREENED INT.: 13.0- 23.0
BEDROCK DEPTH: 19.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	383000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	17.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3850.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1520000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23198
AQUIFER: ALLUVIUM
SCREENED INT.: 15.0- 20.0
BEDROCK DEPTH: 22.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	250000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	648.000
DITH	<1.590
DLDRN	0.075
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3260.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	491000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23200
AQUIFER: DENVER
SCREENED INT.: 73.5- 78.5
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	93100.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1070.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	309000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23201
AQUIFER: DENVER
SCREENED INT.: 84.5-104.5
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	95200.000
CL6CP	<0.083
CLC6H5	8.390
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1020.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	337000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23202
AQUIFER: DENVER
SCREENED INT.: 20.0- 25.0
BEDROCK DEPTH: 16.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	6.780
CL	447000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	322.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3060.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1370000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23203
AQUIFER: DENVER
SCREENED INT.: 27.0- 32.0
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	2.620
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	404000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	12.900
CPMSO2	3.280
CR	.
CU	.
DBCP	<0.130
DCPD	96.400
DIMP	387.000
DITH	3.640
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	0.115
ETC6H5	<0.620
FL	2010.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	2.370
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	860000.000
T12DCE	<1.750
TCLEE	3.860
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23204
AQUIFER: DENVER
SCREENED INT.: 29.0- 34.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	2.750
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	24.500
CL	262000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	7.230
CPMSO	47.300
CPMSO2	13.500
CR	.
CU	.
DBCP	1.120
DCPD	49.900
DIMP	304.000
DITH	3.160
DLDRN	0.189
DMDS	<1.160
DMMP	<152.000
ENDRN	0.122
ETC6H5	<0.620
FL	<10000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1190000.000
T12DCE	<1.750
TCLEE	22.100
TRCLE	1.590
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23205
AQUIFER: ALLUVIUM
SCREENED INT.: 10.0- 15.0
BEDROCK DEPTH: 15.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	393000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	2.750
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	74.400
DITH	<1.590
DLDRN	0.073
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	4360.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1400000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 23208
AQUIFER: ALLUVIUM
SCREENED INT.: 14.0- 19.0
BEDROCK DEPTH: 19.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.860
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	320000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.103
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4330.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	349000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23209
AQUIFER: DENVER
SCREENED INT.: 70.0- 80.0
BEDROCK DEPTH: 19.5
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	73600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	60400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	.
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3560.000
MEC6H5	<1.210
MG	5230.000
MIBK	.
MXYLEN	<1.350
NA	280000.000
NIT	66.700
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	290000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	33.100

WELL 23211
AQUIFER: ALLUVIUM
SCREENED INT.: 20.5- 30.5
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.660
BTZ	<1.140
C6H6	3.350
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	333000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.415
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4110.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	2.040
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	260000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 23218
AQUIFER: DENVER
SCREENED INT.: 47.3- 58.0
BEDROCK DEPTH: 22.0
BEDROCK LITH.:
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	12.200
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	4.500
CL	53800.000
CL6CP	<0.083
CLC6H5	48.900
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	0.370
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	0.058
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	548000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	4.430
XYLEN	<1.340
ZN	.

WELL 23219
AQUIFER: DENVER
SCREENED INT.: 63.3- 74.0
BEDROCK DEPTH: 22.0
BEDROCK LITH.:
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	3.300
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	80100.000
CL6CP	<0.083
CLC6H5	16.900
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	415000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.330
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24003
AQUIFER: ALLUVIUM
SCREENED INT.: 7.0- 22.0
BEDROCK DEPTH: 22.1
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	88600.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	2.830
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1600.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	317000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24008
AQUIFER: ALLUVIUM
SCREENED INT.: 41.0- 44.0
BEDROCK DEPTH: 44.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	3.250
CD	.
CH2CL2	<2.480
CHCL3	23.100
CL	110000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	3.780
CPMSO	32.300
CPMSO2	4.380
CR	.
CU	.
DBCP	1.960
DCPD	<9.310
DIMP	56.400
DITH	<1.590
DLDRN	1.200
DMDS	<1.160
DMMP	<15.200
ENDRN	0.824
ETC6H5	<0.620
FL	2640.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	802000.000
T12DCE	<1.750
TCLEE	12.400
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24013
AQUIFER: ALLUVIUM
SCREENED INT.: 13.7- 23.7
BEDROCK DEPTH: 23.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	3.120
CL	99300.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	1.230
CPMSO	9.940
CPMSO2	<2.240
CR	.
CU	.
DBCP	0.282
DCPD	<9.310
DIMP	75.100
DITH	<1.590
DLDRN	0.266
DMDS	<1.160
DMMP	<15.200
ENDRN	0.191
ETC6H5	<0.620
FL	2630.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	509000.000
T12DCE	<1.750
TCLEE	3.120
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24024
AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 21.0
BEDROCK DEPTH: 23.1
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	7.450
CL	123000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	4.580
CPMSO	34.600
CPMSO2	6.130
CR	.
CU	.
DBCP	2.030
DCPD	<9.310
DIMP	120.000
DITH	<1.590
DLDRN	0.431
DMDS	<1.160
DMMP	<15.200
ENDRN	0.310
ETC6H5	<0.620
FL	2460.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	630000.000
T12DCE	<1.750
TCLEE	18.400
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24027
AQUIFER: ALLUVIUM
SCREENED INT.: 28.1- 32.1
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	89800.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	42.200
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	1770.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	434000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24049
AQUIFER: ALLUVIUM
SCREENED INT.: 44.2- 48.2
BEDROCK DEPTH: 50.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	3.640
C6H6	4.670
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	263.000
CL	298000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	0.306
CPMS	51.000
CPMSO	122.000
CPMSO2	60.800
CR	.
CU	.
DBCP	5.380
DCPD	135.000
DIMP	392.000
DITH	6.060
DLDRN	1.860
DMDS	<1.160
DMMP	<15.200
ENDRN	1.260
ETC6H5	<0.620
FL	2620.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	1.920
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	582000.000
T12DCE	<1.750
TCLEE	<123.000
TRCLE	3.380
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24063
AQUIFER: DENVER
SCREENED INT.: 33.5- 37.5
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	4.060
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	74800.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	11.900
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	1200.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	307000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24081
AQUIFER: ALLUVIUM
SCREENED INT.: 31.1- 47.1
BEDROCK DEPTH: 35.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	2.280
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	16.800
CL	178000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	448.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2050.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	572000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24086
AQUIFER: DENVER
SCREENED INT.: 33.9- 49.9
BEDROCK DEPTH: 22.4
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	142000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	169000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1470.000
HG	<0.359
ISODR	<0.056
K	1930.000
MEC6H5	<1.210
MG	47000.000
MIBK	<12.900
MXYLEN	<1.350
NA	193000.000
NIT	849.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	465000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 24089
AQUIFER: DENVER
SCREENED INT.: 30.2- 39.3
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	139000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	26.500
CL	101000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1280.000
HG	<0.359
ISODR	<0.056
K	2740.000
MEC6H5	<1.210
MG	34400.000
MIBK	<12.900
MXYLEN	<1.350
NA	134000.000
NIT	3100.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	411000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24092
AQUIFER: ALLUVIUM
SCREENED INT.: 35.0- 45.0
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	165000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	89900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	29.600
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1860.000
HG	<0.359
ISODR	<0.056
K	5270.000
MEC6H5	<1.210
MG	81100.000
MIBK	<12.900
MXYLEN	<1.350
NA	215000.000
NIT	2540.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1040000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	21.600

WELL 24094
AQUIFER: ALLUVIUM
SCREENED INT.: 28.3- 40.3
BEDROCK DEPTH: 36.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	105000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	1400.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	357000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24101
AQUIFER: ALLUVIUM
SCREENED INT.: 27.0- 35.0
BEDROCK DEPTH: 32.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	1.550
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	1.410
C6H6	<1.920
CA	.
CCL4	5.290
CD	.
CH2CL2	<2.480
CHCL3	893.000
CL	178000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	9.800
CPMSO	68.800
CPMSO2	13.100
CR	.
CU	.
DBCP	5.120
DCPD	18.600
DIMP	157.000
DITH	1.860
DLDRN	1.060
DMDS	<1.160
DMMP	<30.400
ENDRN	1.330
ETC6H5	<0.620
FL	2540.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	735000.000
T12DCE	<1.750
TCLEE	40.100
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24106
AQUIFER: ALLUVIUM
SCREENED INT.: 12.0- 20.0
BEDROCK DEPTH: 16.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	85100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	97000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.900
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1690.000
HG	<0.359
ISODR	<0.056
K	2480.000
MEC6H5	<1.210
MG	31300.000
MIBK	<12.900
MXYLEN	<1.350
NA	167000.000
NIT	281.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	338000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24107
AQUIFER: ALLUVIUM
SCREENED INT.: 27.0- 35.0
BEDROCK DEPTH: 34.6
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	421000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	293000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	25.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2750.000
HG	<0.359
ISODR	<0.056
K	3620.000
MEC6H5	<1.210
MG	117000.000
MIBK	<12.900
MXYLEN	<1.350
NA	742000.000
NIT	2040.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2620000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	92.800

WELL 24108
AQUIFER: DENVER
SCREENED INT.: 31.9- 39.9
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	125000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3160.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1140000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24109
AQUIFER: DENVER
SCREENED INT.: 47.0- 55.0
BEDROCK DEPTH: 12.8
BEDROCK LITH.: SH
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	34900.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	3180.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	2710000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24111
AQUIFER: ALLUVIUM
SCREENED INT.: 18.0- 30.0
BEDROCK DEPTH: 22.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	120000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.580
CL	162000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	224.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1590.000
HG	<0.359
ISODR	<0.056
K	2340.000
MEC6H5	<1.210
MG	40400.000
MIBK	<12.900
MXYLEN	<1.350
NA	223000.000
NIT	15200.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	517000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24112
AQUIFER: ALLUVIUM
SCREENED INT.: 36.6- 50.0
BEDROCK DEPTH: 37.6
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	143000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	7.650
CL	121000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3460.000
MEC6H5	<1.210
MG	36800.000
MIBK	<12.900
MXYLEN	<1.350
NA	153000.000
NIT	1620.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	411000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 24113
AQUIFER: ALLUVIUM
SCREENED INT.: 37.0- 45.0
BEDROCK DEPTH: 42.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	97000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	45700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	13.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3870.000
MEC6H5	<1.210
MG	32500.000
MIBK	<12.900
MXYLEN	<1.350
NA	145000.000
NIT	1660.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	119000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24115
AQUIFER: ALLUVIUM
SCREENED INT.: 22.0- 30.0
BEDROCK DEPTH: 28.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	98800.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	0.157
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	0.064
ETC6H5	<0.620
FL	1180.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	319000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24117
AQUIFER: ALLUVIUM
SCREENED INT.: 12.0- 20.0
BEDROCK DEPTH: 18.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	16.800
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	88600.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1210.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	291000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24120
AQUIFER: DENVER
SCREENED INT.: 85.0- 95.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	159000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	209000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<21.600
DIMP	<10.500
DITH	<1.590
DLDRN	0.125
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1200.000
HG	<0.359
ISODR	<0.056
K	4150.000
MEC6H5	<1.210
MG	23400.000
MIBK	<12.900
MXYLEN	<1.350
NA	469000.000
NIT	389.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	812000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	35.200

WELL 24124
AQUIFER: DENVER
SCREENED INT.: 32.6- 40.6
BEDROCK DEPTH: 12.5
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	55000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	50900.000
CL6CP	<0.169
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1870.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	38100.000
MIBK	<12.900
MXYLEN	<1.350
NA	211000.000
NIT	6370.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	457000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24127
AQUIFER: DENVER
SCREENED INT.: 30.0- 35.0
BEDROCK DEPTH: 27.4
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	4.250
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	2.150
CA	191000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	104.000
CL	489000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	22.900
CPMSO	92.600
CPMSO2	25.800
CR	<5.960
CU	<7.940
DBCP	3.640
DCPD	169.000
DIMP	676.000
DITH	6.450
DLDRN	1.140
DMDS	<1.160
DMMP	<15.200
ENDRN	0.819
ETC6H5	<1.280
FL	1860.000
HG	<0.359
ISODR	<0.056
K	6660.000
MEC6H5	<1.210
MG	87900.000
MIBK	<12.900
MXYLEN	<1.350
NA	249000.000
NIT	173.000
OXAT	2.090
PB	<18.600
PPDDE	<0.046
PPDDT	0.066
SO4	563000.000
T12DCE	<1.200
TCLEE	70.100
TRCLE	12.100
XYLEN	<2.470
ZN	94.000

WELL 24130
AQUIFER: DENVER
SCREENED INT.: 25.0- 30.0
BEDROCK DEPTH: 22.8
BEDROCK LITH.: ST
SCREENED ZONE: 2 SH

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<5.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	121000.000
CCL4	<24.000
CD	<5.160
CH2CL2	<5.000
CHCL3	78.400
CL	116000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	2.300
CPMSO	8.970
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	0.609
DCPD	<9.310
DIMP	107.000
DITH	<1.590
DLDRN	0.221
DMDS	<1.160
DMMP	<15.200
ENDRN	0.225
ETC6H5	<1.280
FL	2480.000
HG	<0.359
ISODR	<0.056
K	3580.000
MEC6H5	<1.210
MG	51500.000
MIBK	<12.900
MXYLEN	<1.350
NA	167000.000
NIT	3380.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	452000.000
T12DCE	<1.200
TCLEE	6.670
TRCLE	<5.500
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24135
AQUIFER: DENVER
SCREENED INT.: 31.0- 35.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	22.000
CL	125000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	3.380
CPMSO	20.600
CPMSO2	3.840
CR	.
CU	.
DBCP	0.841
DCPD	<9.310
DIMP	134.000
DITH	<1.590
DLDRN	0.332
DMDS	<1.160
DMMP	<15.200
ENDRN	0.243
ETC6H5	<0.620
FL	2490.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	710000.000
T12DCE	<1.750
TCLEE	6.380
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24136
AQUIFER: DENVER
SCREENED INT.: 51.0- 64.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	4.260
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	40500.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	990.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	704000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24137
AQUIFER: DENVER
SCREENED INT.: 81.0-100.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	34500.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	528000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24158
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 29.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	93800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	120000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1420.000
HG	<0.359
ISODR	<0.056
K	4100.000
MEC6H5	<1.210
MG	42200.000
MIBK	<12.900
MXYLEN	<1.350
NA	152000.000
NIT	1920.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	297000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	107.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24159
AQUIFER: DENVER
SCREENED INT.: 63.0-108.0
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.166
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	132000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	43000.000
CL6CP	<0.166
CLC6H5	<0.580
CLDAN	<0.304
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.110
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.120
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.112
K	2750.000
MEC6H5	<1.210
MG	15100.000
MIBK	<12.900
MXYLEN	<1.350
NA	116000.000
NIT	11.500
OXAT	<1.350
PB	<18.600
PPDDE	<0.092
PPDDT	<0.118
SO4	320000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 24161
AQUIFER: ALLUVIUM
SCREENED INT.: 13.0- 18.0
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	1.320
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	4.690
CL	242000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	18.200
CPMSO	43.800
CPMSO2	9.870
CR	.
CU	.
DBCP	0.966
DCPD	24.400
DIMP	>210.000
DITH	2.430
DLDRN	0.573
DMDS	<1.160
DMMP	<15.200
ENDRN	0.377
ETC6H5	<0.620
FL	2500.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	528000.000
T12DCE	<1.750
TCLEE	22.200
TRCLE	2.790
XYLEN	<1.040
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24162
AQUIFER: ALLUVIUM
SCREENED INT.: 11.0- 16.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	2.380
CL	285000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	3.380
CPMSO	4.960
CPMSO2	3.700
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	157.000
DITH	7.120
DLDRN	0.733
DMDS	<1.160
DMMP	<15.200
ENDRN	0.486
ETC6H5	<0.620
FL	2260.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	2.200
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	417000.000
T12DCE	<1.750
TCLEE	4.390
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24163
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 19.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	7.150
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	174000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2290.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	322000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24164
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 19.0
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	174000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3230.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	651000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24166
AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 26.0
BEDROCK DEPTH: 23.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	110000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.117
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1710.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	320000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24167
AQUIFER: DENVER
SCREENED INT.: 43.5- 53.5
BEDROCK DEPTH: 22.5
BEDROCK LITH.: ST
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	2.930
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	31700.000
CL6CP	<0.083
CLC6H5	10.500
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1170.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	763000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24168
AQUIFER: DENVER
SCREENED INT.: 73.5- 93.5
BEDROCK DEPTH: 22.5
BEDROCK LITH.: ST
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	4.020
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	44400.000
CL6CP	<0.083
CLC6H5	14.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	1090.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	428000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24171
AQUIFER: DENVER
SCREENED INT.: 40.0- 50.0
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	3.420
BTZ	<1.140
C6H6	5.710
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	27800.000
CL6CP	<0.083
CLC6H5	21.600
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.090
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2190.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	141000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24172
AQUIFER: DENVER
SCREENED INT.: 121.5-131.5
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SS
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	4.680
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	6.870
CL	34300.000
CL6CP	<0.083
CLC6H5	17.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	978.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	891000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24174
AQUIFER: DENVER
SCREENED INT.: 56.5- 61.5
BEDROCK DEPTH: 21.0
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	15600.000
CL6CP	<0.083
CLC6H5	9.500
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	275000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24175
AQUIFER: DENVER
SCREENED INT.: 90.0- 95.0
BEDROCK DEPTH: 21.0
BEDROCK LITH.: SS
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.080
BTZ	<1.140
C6H6	3.980
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	15100.000
CL6CP	<0.083
CLC6H5	16.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	913.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	293000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24179
AQUIFER: ALLUVIUM
SCREENED INT.: 14.0- 24.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	6.090
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	101000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	6.200
CPMSO	33.200
CPMSO2	7.150
CR	.
CU	.
DBCP	1.140
DCPD	10.700
DIMP	138.000
DITH	<1.590
DLDRN	1.740
DMDS	<1.160
DMMP	<15.200
ENDRN	1.470
ETC6H5	<0.620
FL	2340.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	457000.000
T12DCE	<1.750
TCLEE	16.700
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24180
AQUIFER: ALLUVIUM
SCREENED INT.: 11.0- 16.0
BEDROCK DEPTH: 16.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<11.500
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	4.290
CD	.
CH2CL2	<2.480
CHCL3	433.000
CL	229000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	4.160
CPMSO	45.600
CPMSO2	5.520
CR	.
CU	.
DBCP	4.180
DCPD	<9.310
DIMP	227.000
DITH	<1.590
DLDRN	0.257
DMDS	<1.160
DMMP	<30.400
ENDRN	0.427
ETC6H5	<0.620
FL	2860.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	940000.000
T12DCE	<1.750
TCLEE	26.800
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24181
AQUIFER: ALLUVIUM
SCREENED INT.: 17.0- 27.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	3.520
CL	119000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.670
CR	.
CU	.
DBCP	0.172
DCPD	<9.310
DIMP	26.400
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1970.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	488000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24182
AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 26.0
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	103000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	8.710
CR	.
CU	.
DBCP	0.847
DCPD	<9.310
DIMP	20.900
DITH	<1.590
DLDRN	0.220
DMDS	<1.160
DMMP	<15.200
ENDRN	0.076
ETC6H5	<0.620
FL	1480.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	367000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24183
AQUIFER: ALLUVIUM
SCREENED INT.: 11.0- 21.0
BEDROCK DEPTH: 21.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	203000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.690
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	2630.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1370000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24184
AQUIFER: DENVER
SCREENED INT.: 18.0- 23.0
BEDROCK DEPTH: 16.9
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	2.110
CL	71400.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	18.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	305000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24185	AQUIFER: ALLUVIUM SCREENED INT.: 15.0- 25.0 BEDROCK DEPTH: 25.0 BEDROCK LITH.: SS SCREENED ZONE: ALLUVIUM	WELL 24186	AQUIFER: ALLUVIUM SCREENED INT.: 5.0- 15.0 BEDROCK DEPTH: 12.0 BEDROCK LITH.: SH SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.090	111TCE	13.900
112TCE	<1.630	112TCE	<1.630
11DCE	<1.850	11DCE	<1.850
11DCLE	<1.930	11DCLE	<1.930
12DCLE	<2.070	12DCLE	<2.070
ALDRN	<0.083	ALDRN	<0.083
AS	<2.500	AS	<2.500
BTZ	<1.140	BTZ	<1.140
C6H6	<1.920	C6H6	<1.920
CA	.	CA	.
CCL4	<1.690	CCL4	<1.690
CD	.	CD	.
CH2CL2	<2.480	CH2CL2	<2.480
CHCL3	<1.880	CHCL3	2.540
CL	83900.000	CL	89200.000
CL6CP	<0.083	CL6CP	<0.083
CLC6H5	<1.360	CLC6H5	<1.360
CLDAN	<0.152	CLDAN	<0.152
CPMS	<1.080	CPMS	<1.080
CPMSO	<1.980	CPMSO	<1.980
CPMSO2	<2.240	CPMSO2	<2.240
CR	.	CR	.
CU	.	CU	.
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<10.500	DIMP	<10.500
DITH	<1.590	DITH	<1.590
DLDRN	0.299	DLDRN	0.159
DMDS	<1.160	DMDS	<1.160
DMMP	<15.200	DMMP	<30.400
ENDRN	0.062	ENDRN	0.086
ETC6H5	<0.620	ETC6H5	<0.620
FL	1120.000	FL	1270.000
HG	.	HG	.
ISODR	<0.056	ISODR	<0.056
K	.	K	.
MEC6H5	<2.100	MEC6H5	<2.100
MG	.	MG	.
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.040	MXYLEN	<1.040
NA	.	NA	.
NIT	.	NIT	.
OXAT	<1.350	OXAT	<1.350
PB	.	PB	.
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.059
SO4	297000.000	SO4	252000.000
T12DCE	<1.750	T12DCE	<1.750
TCLEE	<2.760	TCLEE	<2.760
TRCLE	<1.310	TRCLE	<1.310
XYLEN	<1.340	XYLEN	<1.340
ZN	.	ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24187
AQUIFER: ALLUVIUM
SCREENED INT.: 8.0- 18.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	88700.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	4.410
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1800.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	440000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 24188
AQUIFER: ALLUVIUM
SCREENED INT.: 7.0- 17.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	269000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.360
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	2880.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1430000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 24191
AQUIFER: DENVER
SCREENED INT.: 33.1- 44.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.:
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	80100.000
CL6CP	<0.083
CLC6H5	12.800
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	525000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 25009
AQUIFER: DENVER
SCREENED INT.: 70.0-105.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	80400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	27500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	3660.000
MIBK	<12.900
MXYLEN	<1.350
NA	169000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	421000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 25011
AQUIFER: ALLUVIUM
SCREENED INT.: 10.0- 45.0
BEDROCK DEPTH: 11.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	136000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	145000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1190.000
HG	<0.359
ISODR	<0.056
K	3270.000
MEC6H5	<1.210
MG	56500.000
MIBK	<12.900
MXYLEN	<1.350
NA	186000.000
NIT	5490.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	455000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 25013
AQUIFER: DENVER
SCREENED INT.: 80.0- 95.0
BEDROCK DEPTH: 11.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	30800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	12100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1430.000
MEC6H5	<1.210
MG	1280.000
MIBK	<12.900
MXYLEN	<1.350
NA	145000.000
NIT	69.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	237000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 25014
AQUIFER: DENVER
SCREENED INT.: 54.0- 64.0
BEDROCK DEPTH: 11.0
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	5260.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	24300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2370.000
HG	<0.359
ISODR	<0.056
K	745.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	103000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	79700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 25015
AQUIFER: ALLUVIUM
SCREENED INT.: 31.0- 41.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	245000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	52000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	43500.000
MIBK	<12.900
MXYLEN	<1.350
NA	370000.000
NIT	2120.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1290000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	73.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 25016
AQUIFER: DENVER
SCREENED INT.: 57.0- 63.5
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	355000.000
CCL4	<2.400
CD	6.640
CH2CL2	<5.000
CHCL3	<1.400
CL	17800.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	12.700
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1290.000
HG	<0.359
ISODR	<0.056
K	5750.000
MEC6H5	<1.210
MG	38500.000
MIBK	<12.900
MXYLEN	<1.350
NA	464000.000
NIT	151.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1580000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	44.400

WELL 25017
AQUIFER: DENVER
SCREENED INT.: 72.0- 78.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	88400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	19300.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4490.000
MEC6H5	<1.210
MG	4640.000
MIBK	<12.900
MXYLEN	<1.350
NA	282000.000
NIT	172.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	779000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 25018
AQUIFER: ALLUVIUM
SCREENED INT.: 23.0- 43.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	138000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	146000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	212.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1460.000
HG	<0.359
ISODR	<0.056
K	3040.000
MEC6H5	<1.210
MG	46700.000
MIBK	<12.900
MXYLEN	<1.350
NA	207000.000
NIT	1910.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	480000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 25021
AQUIFER: DENVER
SCREENED INT.: 122.0-142.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	15400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	215000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	814.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	193000.000
NIT	10.800
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	116000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 25022
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 50.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: LG
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	92300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	31300.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.085
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2300.000
HG	<0.359
ISODR	<0.056
K	3020.000
MEC6H5	<1.210
MG	36200.000
MIBK	<12.900
MXYLEN	<1.350
NA	110000.000
NIT	2810.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	405000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	21.300

WELL 25023
AQUIFER: DENVER
SCREENED INT.: 60.0- 65.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: LG
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	37100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	16100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1310.000
HG	<0.359
ISODR	<0.056
K	2210.000
MEC6H5	<1.210
MG	12000.000
MIBK	<12.900
MXYLEN	<1.350
NA	80100.000
NIT	806.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	152000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1 100
XYLEN	<2.470
ZN	27.500

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 25038
AQUIFER: ALLUVIUM
SCREENED INT.: 17.0- 27.0
BEDROCK DEPTH: 28.3
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	98500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	68400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3680.000
MEC6H5	<1.210
MG	29000.000
MIBK	<12.900
MXYLEN	<1.350
NA	105000.000
NIT	2320.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	254000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	53.200

WELL 25039
AQUIFER: DENVER
SCREENED INT.: 48.0- 73.0
BEDROCK DEPTH: 28.3
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	143000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	22500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<16.200
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2560.000
MEC6H5	<1.210
MG	12500.000
MIBK	<12.900
MXYLEN	<1.350
NA	237000.000
NIT	79.200
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	682000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	23.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26006
AQUIFER: ALLUVIUM
SCREENED INT.: 29.0- 35.0
BEDROCK DEPTH: 35.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	9.900
ALDRN	<0.083
AS	27.700
BTZ	1.370
C6H6	<1.340
CA	197000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.540
CL	733000.000
CL6CP	<0.211
CLC6H5	9.140
CLDAN	<0.152
CPMS	1.840
CPMSO	8.780
CPMSO2	840.000
CR	15.200
CU	<7.940
DBCP	0.397
DCPD	<9.310
DIMP	1040.000
DITH	144.000
DLDRN	1.010
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1930.000
HG	<0.359
ISODR	<0.056
K	5980.000
MEC6H5	<1.210
MG	68900.000
MIBK	<12.900
MXYLEN	<1.350
NA	665000.000
NIT	3420.000
OXAT	18.400
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	923000.000
T12DCE	<1.200
TCLEE	1.780
TRCLE	6.470
XYLEN	<2.470
ZN	33.800

WELL 26011
AQUIFER: ALLUVIUM
SCREENED INT.: 29.0- 43.5
BEDROCK DEPTH: 43.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.117
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	308000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1300000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	11.200
CR	25.500
CU	<7.940
DBCP	<0.130
DCPD	<21.600
DIMP	16.300
DITH	1.740
DLDRN	0.244
DMDS	<1.160
DMMP	<15.200
ENDRN	0.220
ETC6H5	<1.280
FL	2880.000
HG	<0.359
ISODR	<0.056
K	9400.000
MEC6H5	<1.210
MG	123000.000
MIBK	<12.900
MXYLEN	<1.350
NA	777000.000
NIT	1420.000
OXAT	1.660
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	534000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	73.500

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26015
AQUIFER: ALLUVIUM
SCREENED INT.: 48.0- 52.0
BEDROCK DEPTH: 48.6
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	13.200
BTZ	<2.000
C6H6	<1.340
CA	202000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1030000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	84.100
CR	<5.960
CU	12.600
DBCP	<0.130
DCPD	<9.310
DIMP	526.000
DITH	<1.760
DLDRN	<0.060
DMDS	<1.800
DMMP	<76.000
ENDRN	<0.052
ETC6H5	<1.280
FL	2720.000
HG	<0.480
ISODR	<0.060
K	9770.000
MEC6H5	<1.210
MG	70000.000
MIBK	<12.900
MXYLEN	<1.350
NA	729000.000
NIT	298.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	449000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	82.100

WELL 26017
AQUIFER: ALLUVIUM
SCREENED INT.: 43.6- 47.6
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	9.400
BTZ	<2.000
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	547000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	14.600
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	174.000
DITH	3.310
DLDRN	<0.060
DMDS	<1.800
DMMP	<30.400
ENDRN	<0.052
ETC6H5	<1.280
FL	2370.000
HG	<0.480
ISODR	<0.060
K	6780.000
MEC6H5	<1.210
MG	49400.000
MIBK	<12.900
MXYLEN	<1.350
NA	519000.000
NIT	2380.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	314000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	70.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26019
AQUIFER: DENVER
SCREENED INT.: 46.6- 50.6
BEDROCK DEPTH: 46.5
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	5.080
BTZ	<1.140
C6H6	<1.340
CA	113000.000
CCL4	<2.400
CD	<5.160
CHCL3	<1.400
CL	559000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	5.810
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2890.000
HG	<0.359
ISODR	<0.056
K	4740.000
MEC6H5	<1.210
MG	32800.000
MIBK	<12.900
MXYLEN	<1.350
NA	390000.000
NIT	4310.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	329000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	40.900

WELL 26020
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 44.0
BEDROCK DEPTH: 43.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	.
BTZ	<2.000
C6H6	<1.340
CA	.
CCL4	<2.400
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	862.000
DITH	3.130
DLDRN	0.137
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.052
ETC6H5	<1.280
FL	.
HG	.
ISODR	<0.060
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	<2.000
PB	.
PPDDE	<0.053
PPDDT	<0.070
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26041
AQUIFER: DENVER
SCREENED INT.: 42.9- 46.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 SH

COMPOUND	CONCENTRATION
111TCE	<34.000
112TCE	<20.000
11DCE	<22.000
11DCLE	<24.000
12DCLE	109.000
ALDRN	<0.700
AS	410.000
BTZ	<40.000
C6H6	<26.800
CA	176000.000
CCL4	<48.000
CD	<5.160
CH2CL2	<100.000
CHCL3	<28.000
CL	28200000.000
CL6CP	<0.700
CLC6H5	<11.600
CLDAN	.
CPMS	<56.300
CPMSO	<84.000
CPMSO2	510.000
CR	24.400
CU	<7.940
DBCP	0.747
DCPD	16.600
DIMP	3810.000
DITH	45.500
DLDRN	<0.600
DMDS	8.100
DMMP	19700.000
ENDRN	<0.520
ETC6H5	<25.600
FL	223000.000
HG	<0.686
ISODR	<0.600
K	120000.000
MEC6H5	320.000
MG	699000.000
MIBK	<12.900
MXYLEN	<27.000
NA	3530000.000
NIT	106.000
OXAT	8.560
PB	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	8490000.000
T12DCE	<24.000
TCLEE	<26.000
TRCLE	<22.000
XYLEN	<49.400
ZN	70.400

WELL 26057
AQUIFER: DENVER
SCREENED INT.: 46.0- 50.0
BEDROCK DEPTH: 18.3
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	154000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	235000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	127.000
DITH	<1.590
DLDRN	0.097
DMDS	<1.160
DMMP	<15.200
ENDRN	0.062
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5670.000
MEC6H5	<1.210
MG	28900.000
MIBK	<12.900
MXYLEN	<1.350
NA	391000.000
NIT	11400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	747000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26058
AQUIFER: DENVER
SCREENED INT.: 82.9- 87.5
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	26300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	8.790
CL	58000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	17.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1480.000
HG	<0.359
ISODR	<0.056
K	2020.000
MEC6H5	<1.210
MG	4150.000
MIBK	<12.900
MXYLEN	<1.350
NA	190000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	269000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26061
AQUIFER: DENVER
SCREENED INT.: 47.8- 51.2
BEDROCK DEPTH: 27.5
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.415
AS	5.440
BTZ	<1.140
C6H6	<1.340
CA	506000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	29.500
CL	1560000.000
CL6CP	<0.415
CLC6H5	<0.580
CLDAN	<0.760
CPMS	2.350
CPMSO	<1.980
CPMSO2	9.580
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	767.000
DITH	12.600
DLDRN	<0.275
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.300
ETC6H5	<1.280
FL	2420.000
HG	<0.359
ISODR	<0.280
K	4240.000
MEC6H5	<1.210
MG	155000.000
MIBK	<12.900
MXYLEN	<1.350
NA	365000.000
NIT	16.400
OXAT	8.920
PB	<18.600
PPDDE	<0.230
PPDDT	<0.295
SO4	428000.000
T12DCE	<1.200
TCLEE	1.540
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26066
AQUIFER: DENVER
SCREENED INT.: 49.0- 61.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	6.760
BTZ	<1.140
C6H6	4.820
CA	1040000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	3200000.000
CL6CP	<0.083
CLC6H5	8.620
CLDAN	<0.152
CPMS	2.500
CPMSO	<1.980
CPMSO2	<2.240
CR	70.700
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	116.000
DITH	263.000
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3530.000
HG	<0.359
ISODR	<0.056
K	9550.000
MEC6H5	<1.210
MG	276000.000
MIBK	<12.900
MXYLEN	<1.350
NA	615000.000
NIT	108.000
OXAT	49.500
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	689000.000
T12DCE	<1.200
TCLEE	5.700
TRCLE	3.980
XYLEN	<2.470
ZN	<20.100

WELL 26067
AQUIFER: DENVER
SCREENED INT.: 99.0-107.0
BEDROCK DEPTH: 34.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	63600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	166000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	2370.000
MIBK	<12.900
MXYLEN	<1.350
NA	332000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	474000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	28.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26071
AQUIFER: DENVER
SCREENED INT.: 46.0- 54.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: ST
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	9.370
BTZ	<1.140
C6H6	<1.340
CA	131000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.990
CL	519000.000
CL6CP	<0.083
CLC6H5	1.740
CLDAN	<0.152
CPMS	5.980
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	5230.000
DITH	19.800
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1370.000
HG	<0.359
ISODR	<0.056
K	5510.000
MEC6H5	<1.210
MG	39100.000
MIBK	<12.900
MXYLEN	<1.350
NA	458000.000
NIT	<10.000
OXAT	7.640
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	513000.000
T12DCE	<1.200
TCLEE	5.330
TRCLE	<1.100
XYLEN	<2.470
ZN	32.400

WELL 26072
AQUIFER: DENVER
SCREENED INT.: 92.0-104.0
BEDROCK DEPTH: 39.0
BEDROCK LITH.: ST
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	36800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	108000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	1330.000
MEC6H5	<1.210
MG	1720.000
MIBK	<12.900
MXYLEN	<1.350
NA	255000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	279000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	23.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26073	AQUIFER: ALLUVIUM SCREENED INT.: 46.2- 50.2 BEDROCK DEPTH: 49.0 BEDROCK LITH.: SH SCREENED ZONE: ALLUVIUM	WELL 26075	AQUIFER: DENVER SCREENED INT.: 88.5- 99.5 BEDROCK DEPTH: 49.0 BEDROCK LITH.: SH SCREENED ZONE: 1

COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.700	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	<1.100	11DCE	<1.100
11DCLE	<1.200	11DCLE	<1.200
12DCLE	<0.610	12DCLE	<0.610
ALDRN	<0.070	ALDRN	<0.083
AS	8.000	AS	<2.500
BTZ	<2.000	BTZ	<1.140
C6H6	2.320	C6H6	<1.340
CA	211000.000	CA	64700.000
CCL4	6.140	CCL4	<2.400
CD	<5.160	CD	<5.160
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	15.400	CHCL3	5.180
CL	178000.000	CL	38000.000
CL6CP	<0.070	CL6CP	<0.083
CLC6H5	<0.580	CLC6H5	<0.580
CLDAN	.	CLDAN	<0.152
CPMS	<1.300	CPMS	<1.080
CPMSO	<4.200	CPMSO	<1.980
CPMSO2	<4.700	CPMSO2	<2.240
CR	<5.960	CR	<5.960
CU	<7.940	CU	<7.940
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	.
DIMP	<10.500	DIMP	<10.500
DITH	<1.100	DITH	<1.590
DLDRN	<0.208	DLDRN	<0.054
DMDS	<1.800	DMDS	<1.160
DMMP	18.100	DMMP	<15.200
ENDRN	<0.052	ENDRN	<0.060
ETC6H5	<1.280	ETC6H5	<1.280
FL	1700.000	FL	<1220.000
HG	<0.480	HG	<0.359
ISODR	<0.060	ISODR	<0.056
K	5460.000	K	2650.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	50100.000	MG	5520.000
MIBK	<12.900	MIBK	.
MXYLEN	<1.350	MXYLEN	<1.350
NA	216000.000	NA	263000.000
NIT	4290.000	NIT	<10.000
OXAT	<2.000	OXAT	<1.350
PB	<18.600	PB	24.700
PPDDE	<0.053	PPDDE	<0.046
PPDDT	<0.070	PPDDT	<0.059
SO4	724000.000	SO4	332000.000
T12DCE	<1.200	T12DCE	<1.200
TCLEE	1.320	TCLEE	<1.300
TRCLE	<1.100	TRCLE	<1.100
XYLEN	<2.470	XYLEN	<2.470
ZN	<20.100	ZN	69.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26076
AQUIFER: ALLUVIUM
SCREENED INT.: 25.4- 32.5
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	386.000
DITH	<1.590
DLDRN	0.093
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	.
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WELL 26083
AQUIFER: ALLUVIUM
SCREENED INT.: 17.0- 27.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	9.940
BTZ	<1.140
C6H6	<1.340
CA	40100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	296000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.454
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3820.000
HG	<0.359
ISODR	<0.056
K	4760.000
MEC6H5	<1.210
MG	17600.000
MIBK	<12.900
MXYLEN	<1.350
NA	381000.000
NIT	4280.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	275000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	53.500

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26084
AQUIFER: DENVER
SCREENED INT.: 70.0- 82.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	111000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	130000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3310.000
MEC6H5	<1.210
MG	5780.000
MIBK	<12.900
MXYLEN	<1.350
NA	419000.000
NIT	24.500
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	939000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26085
AQUIFER: ALLUVIUM
SCREENED INT.: 22.9- 32.1
BEDROCK DEPTH: 32.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.700
AS	28.400
BTZ	<2.000
C6H6	<1.340
CA	504000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	24.200
CL	1740000.000
CL6CP	<0.700
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<5.350
CPMSO2	<22.000
CR	<5.960
CU	<7.940
DBCP	0.214
DCPD	<9.310
DIMP	104.000
DITH	<1.100
DLDRN	<0.600
DMDS	<1.800
DMMP	<30.400
ENDRN	<0.520
ETC6H5	<1.280
FL	2920.000
HG	<0.480
ISODR	<0.600
K	8270.000
MEC6H5	<1.210
MG	181000.000
MIBK	<12.900
MXYLEN	<1.350
NA	648000.000
NIT	1410.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	917000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	8.690
XYLEN	<2.470
ZN	40.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26086
AQUIFER: DENVER
SCREENED INT.: 64.0- 74.0
BEDROCK DEPTH: 32.5
BEDROCK LITH.: SS
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	6.470
BTZ	1.620
C6H6	<1.340
CA	245000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	802000.000
CL6CP	<0.083
CLC6H5	3.810
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	17.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	286.000
DITH	23.900
DLDRN	0.121
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1490.000
HG	<0.359
ISODR	<0.056
K	3090.000
MEC6H5	<1.210
MG	53600.000
MIBK	<12.900
MXYLEN	<1.350
NA	279000.000
NIT	660.000
OXAT	3.090
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	331000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	25.300

WELL 26088
AQUIFER: ALLUVIUM
SCREENED INT.: 32.0- 36.0
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	515000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	16.100
CL	361000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12.700
DITH	<1.590
DLDRN	0.456
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1960.000
HG	<0.359
ISODR	<0.056
K	5220.000
MEC6H5	<1.210
MG	158000.000
MIBK	<12.900
MXYLEN	<1.350
NA	368000.000
NIT	4580.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	177000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26127
AQUIFER: ALLUVIUM
SCREENED INT.: 41.1- 44.5
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	5.100
BTZ	<2.000
C6H6	<1.340
CA	374000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	901000.000
CL6CP	<0.070
CLC6H5	1.040
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	1760.000
DITH	44.300
DLDRN	0.106
DMDS	<1.800
DMMP	<380.000
ENDRN	<0.052
ETC6H5	<1.280
FL	1500.000
HG	<0.480
ISODR	<0.060
K	4340.000
MEC6H5	<1.210
MG	79400.000
MIBK	<12.900
MXYLEN	<1.350
NA	282000.000
NIT	1560.000
OXAT	4.710
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	411000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26129
AQUIFER: DENVER
SCREENED INT.: 90.0-100.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SS
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	6.450
BTZ	<1.140
C6H6	4.500
CA	274000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	890000.000
CL6CP	<0.083
CLC6H5	0.790
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	16.300
CU	<7.940
DBCP	<0.130
DCPD	<16.200
DIMP	214.000
DITH	89.100
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1440.000
HG	<0.359
ISODR	<0.056
K	3770.000
MEC6H5	<1.210
MG	34100.000
MIBK	<12.900
MXYLEN	<1.350
NA	425000.000
NIT	11.400
OXAT	12.800
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	379000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26133
AQUIFER: ALLUVIUM
SCREENED INT.: 35.0- 55.0
BEDROCK DEPTH: 40.5
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<340.000
112TCE	<1.000
11DCE	<1.100
11DCLE	8.840
12DCLE	<122.000
ALDRN	<1.660
AS	24.600
BTZ	<1.140
C6H6	508.000
CA	308000.000
CCL4	<480.000
CD	<5.160
CH2CL2	<1000.000
CHCL3	> 38800.000
CL	2440000.000
CL6CP	<1.660
CLC6H5	28.500
CLDAN	<3.040
CPMS	748.000
CPMSO	26.800
CPMSO2	1280.000
CR	37.300
CU	<7.940
DBCP	35.400
DCPD	703.000
DIMP	1170.000
DITH	37.800
DLDRN	> 0.380
DMDS	1.580
DMMP	> 305.000
ENDRN	<1.200
ETC6H5	7.780
FL	<30500.000
HG	<0.359
ISODR	<1.120
K	20800.000
MEC6H5	<242.000
MG	144000.000
MIBK	172.000
MXYLEN	> 8.930
NA	1380000.000
NIT	464.000
OXAT	15.400
PB	<18.600
PPDDE	<0.920
PPDDT	<1.180
SO4	7840000.000
T12DCE	3.100
TCLEE	926.000
TRCLE	68.700
XYLEN	<494.000
ZN	211.000

WELL 26140
AQUIFER: DENVER
SCREENED INT.: 59.0- 78.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	0.133
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	264000.000
CCL4	<2.400
CD	8.700
CH2CL2	<5.000
CHCL3	16.500
CL	744000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	19.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.411
DMDS	<1.160
DMMP	<15.200
ENDRN	> 0.057
ETC6H5	<1.280
FL	1300.000
HG	<0.359
ISODR	<0.056
K	4100.000
MEC6H5	<1.210
MG	64800.000
MIBK	<12.900
MXYLEN	<1.350
NA	265000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	315000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	89.300

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 26142
AQUIFER: DENVER
SCREENED INT.: 138.0-146.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 3 SH

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	24400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	53500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	1.230
DMDS	<1.160
DMMP	<15.200
ENDRN	0.162
ETC6H5	<1.280
FL	1760.000
HG	<0.359
ISODR	<0.056
K	1740.000
MEC6H5	<1.210
MG	2190.000
MIBK	<12.900
MXYLEN	<1.350
NA	169000.000
NIT	51.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	227000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 26147
AQUIFER: DENVER
SCREENED INT.: 85.0-105.0
BEDROCK DEPTH: 29.5
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	110000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	214000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	2500.000
MEC6H5	<1.210
MG	5790.000
MIBK	<12.900
MXYLEN	<1.350
NA	388000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	803000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27001
AQUIFER: ALLUVIUM
SCREENED INT.: 30.4- 46.4
BEDROCK DEPTH: 48.6
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	70400.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.135
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	52400.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27002
AQUIFER: ALLUVIUM
SCREENED INT.: 37.0- 63.5
BEDROCK DEPTH: 69.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	24.800
CL	357000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.370
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1160.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	112000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27003
AQUIFER: ALLUVIUM
SCREENED INT.: 48.8- 59.7
BEDROCK DEPTH: 60.3
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	66400.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.132
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	61700.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27005
AQUIFER: ALLUVIUM
SCREENED INT.: 39.5- 43.5
BEDROCK DEPTH: 43.5
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	70500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	103000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	20.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	814.000
MEC6H5	<1.210
MG	13900.000
MIBK	<12.900
MXYLEN	<1.350
NA	81000.000
NIT	221.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	51700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	27.500

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27016
AQUIFER: ALLUVIUM
SCREENED INT.: 21.0- 25.0
BEDROCK DEPTH: 25.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	12.000
BTZ	<2.000
C6H6	<1.340
CA	46700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	608000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12.900
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	3070.000
HG	<0.480
ISODR	<0.060
K	3030.000
MEC6H5	<1.210
MG	19000.000
MIBK	<12.900
MXYLEN	<1.350
NA	561000.000
NIT	1210.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	375000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 27024
AQUIFER: ALLUVIUM
SCREENED INT.: 36.0- 40.0
BEDROCK DEPTH: 40.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	3.150
ALDRN	<0.083
AS	17.300
BTZ	.
C6H6	.
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	4.180
CL	789000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.371
DCPD	<9.310
DIMP	12.900
DITH	.
DLDRN	0.291
DMDS	.
DMMP	<15.200
ENDRN	0.329
ETC6H5	.
FL	2750.000
HG	.
ISODR	<0.056
K	.
MEC6H5	.
MG	.
MIBK	<12.900
MXYLEN	.
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	618000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	5.010
XYLEN	.
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27026
AQUIFER: ALLUVIUM
SCREENED INT.: 28.0- 32.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	4.940
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	22.800
CL	777000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.146
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.099
DMDS	.
DMMP	<15.200
ENDRN	0.154
ETC6H5	<0.620
FL	2510.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	293000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27028
AQUIFER: ALLUVIUM
SCREENED INT.: 27.6- 31.6
BEDROCK DEPTH: 36.5
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	20.300
CL	237000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.804
DMDS	.
DMMP	<15.200
ENDRN	0.184
ETC6H5	<0.620
FL	2310.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	172000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27030
AQUIFER: ALLUVIUM
SCREENED INT.: 38.0- 42.0
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND		CONCENTRATION
111TCE		<1.090
112TCE		<1.630
11DCE		<1.850
11DCLE		<1.930
12DCLE		<2.070
ALDRN		<0.083
AS		<2.500
BTZ		.
C6H6		<1.920
CA		.
CCL4		<1.690
CD		.
CH2CL2		<2.480
CHCL3		15.900
CL		187000.000
CL6CP		<0.083
CLC6H5		<1.360
CLDAN		<0.152
CPMS		.
CPMSO		.
CPMSO2		.
CR		.
CU		.
DBCP		<0.130
DCPD		<9.310
DIMP		<10.500
DITH		.
DLDRN	>	1.740
DMDS		.
DMMP		<15.200
ENDRN		<0.060
ETC6H5		<0.620
FL		1860.000
HG		.
ISODR		<0.056
K		.
MEC6H5		<2.100
MG		.
MIBK		<12.900
MXYLEN		<1.040
NA		.
NIT		.
OXAT		.
PB		.
PPDDE		<0.046
PPDDT		<0.059
SO4		154000.000
T12DCE		<1.750
TCLEE		<2.760
TRCLE		<1.310
XYLEN		<1.340
ZN		.

WELL 27031
AQUIFER: ALLUVIUM
SCREENED INT.: 39.0- 43.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	25.500
CL	178000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.139
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1510.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	149000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27040
AQUIFER: ALLUVIUM
SCREENED INT.: 31.9- 35.3
BEDROCK DEPTH: 33.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	3.840
ALDRN	0.516
AS	19.700
BTZ	<1.140
C6H6	<1.340
CA	200000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.940
CL	1030000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	6.440
CPMSO2	<2.240
CR	19.600
CU	<7.940
DBCP	0.403
DCPD	<9.310
DIMP	36.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1990.000
HG	<0.359
ISODR	0.291
K	7090.000
MEC6H5	<1.210
MG	71900.000
MIBK	<12.900
MXYLEN	<1.350
NA	509000.000
NIT	2430.000
OXAT	2.840
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	659000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	7.500
XYLEN	<2.470
ZN	<20.100

WELL 27049
AQUIFER: DENVER
SCREENED INT.: 61.5- 65.0
BEDROCK DEPTH: 37.2
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	113000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	19.400
CL	403000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.136
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1470.000
HG	<0.359
ISODR	<0.056
K	3620.000
MEC6H5	<1.210
MG	34300.000
MIBK	<12.900
MXYLEN	<1.350
NA	234000.000
NIT	3280.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	237000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	3.520
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27051
AQUIFER: ALLUVIUM
SCREENED INT.: 33.8- 53.0
BEDROCK DEPTH: 54.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	83000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	7.650
CL	224000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1500.000
HG	<0.359
ISODR	<0.056
K	2270.000
MEC6H5	<1.210
MG	31500.000
MIBK	<12.900
MXYLEN	<1.350
NA	248000.000
NIT	3450.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	210000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 27053
AQUIFER: ALLUVIUM
SCREENED INT.: 51.7- 66.7
BEDROCK DEPTH: 66.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	74200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	98900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	10.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5370.000
MEC6H5	<1.210
MG	13900.000
MIBK	<12.900
MXYLEN	<1.350
NA	86900.000
NIT	353.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	45800.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27054
AQUIFER: DENVER
SCREENED INT.: 90.0-105.0
BEDROCK DEPTH: 66.7
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<17.000
112TCE	<5.000
11DCE	<1.100
11DCLE	<12.000
12DCLE	<6.100
ALDRN	.
AS	.
BTZ	.
C6H6	<1.340
CA	.
CCL4	<24.000
CD	.
CH2CL2	<5.000
CHCL3	<14.000
CL	.
CL6CP	.
CLC6H5	<0.580
CLDAN	.
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	.
DMDS	.
DMMP	<15.200
ENDRN	.
ETC6H5	<1.280
FL	.
HG	.
ISODR	.
K	.
MEC6H5	2.170
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	.
PPDDT	.
SO4	.
T12DCE	<12.000
TCLEE	<1.300
TRCLE	1.240
XYLEN	<2.470
ZN	.

WELL 27055
AQUIFER: DENVER
SCREENED INT.: 120.0-135.0
BEDROCK DEPTH: 66.7
BEDROCK LITH.: SH
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	4760.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	39.400
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2580.000
HG	<0.359
ISODR	<0.056
K	7410.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	63400.000
NIT	927.000
OXAT	<1.350
PB	26.200
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27057
AQUIFER: DENVER
SCREENED INT.: 57.0- 62.0
BEDROCK DEPTH: 44.2
BEDROCK LITH.: SS
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	46900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	48500.000
CL6CP	<0.169
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.103
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2650.000
MEC6H5	<1.210
MG	4630.000
MIBK	<12.900
MXYLEN	<1.350
NA	207000.000
NIT	16200.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	265000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 27062
AQUIFER: ALLUVIUM
SCREENED INT.: 28.6- 43.6
BEDROCK DEPTH: 44.6
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.725
ALDRN	<0.083
AS	9.510
BTZ	<1.140
C6H6	<1.340
CA	198000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	16.500
CL	934000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	4.850
CPMSO2	<2.240
CR	23.700
CU	<7.940
DBCP	0.258
DCPD	<9.310
DIMP	30.400
DITH	<1.590
DLDRN	0.216
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1970.000
HG	<0.359
ISODR	<0.056
K	2340.000
MEC6H5	<1.210
MG	56200.000
MIBK	<12.900
MXYLEN	<1.350
NA	412000.000
NIT	4800.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	434000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	2.160
XYLEN	<2.470
ZN	119.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27063
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 60.0
BEDROCK DEPTH: 60.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.166
AS	5.440
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	22.800
CL	698000.000
CL6CP	<0.166
CLC6H5	<1.360
CLDAN	<0.304
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.215
DCPD	<9.310
DIMP	13.900
DITH	.
DLDRN	0.277
DMDS	.
DMMP	<15.200
ENDRN	<0.120
ETC6H5	<0.620
FL	2640.000
HG	.
ISODR	<0.112
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.092
PPDDT	<0.118
SO4	333000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27064
AQUIFER: ALLUVIUM
SCREENED INT.: 44.6- 64.6
BEDROCK DEPTH: 62.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	26.100
CL	256000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	1.590
DLDRN	1.350
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1720.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	194000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27068
AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 65.0
BEDROCK DEPTH: 65.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.523
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	46.000
CL	359000.000
CL6CP	<0.523
CLC6H5	<1.360
CLDAN	<0.958
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.347
DMDS	.
DMMP	<15.200
ENDRN	<0.378
ETC6H5	<0.620
FL	1440.000
HG	.
ISODR	<0.353
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.290
PPDDT	<0.372
SO4	154000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27071
AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 65.0
BEDROCK DEPTH: 65.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	28.000
CL	211000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.158
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1080.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	107000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27072
AQUIFER: ALLUVIUM
SCREENED INT.: 45.0- 65.0
BEDROCK DEPTH: 63.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	7.720
CL	166000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	71500.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27073
AQUIFER: ALLUVIUM
SCREENED INT.: 43.8- 53.8
BEDROCK DEPTH: 54.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	53.300
CL	364000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.117
DMDS	.
DMMP	<15.200
ENDRN	0.323
ETC6H5	<0.620
FL	1340.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	0.069
SO4	150000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27074
AQUIFER: ALLUVIUM
SCREENED INT.: 28.3- 48.3
BEDROCK DEPTH: 48.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	108000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	27.000
CL	339000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.180
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1250.000
HG	<0.359
ISODR	<0.056
K	5220.000
MEC6H5	<1.210
MG	30100.000
MIBK	<12.900
MXYLEN	<1.350
NA	199000.000
NIT	20700.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	159000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 27075
AQUIFER: ALLUVIUM
SCREENED INT.: 39.5- 59.5
BEDROCK DEPTH: 60.6
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	26.100
CL	234000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	.
DLDRN	0.383
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1810.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	199000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 27076
AQUIFER: ALLUVIUM
SCREENED INT.: 50.0- 60.0
BEDROCK DEPTH: 61.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	6.710
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	23.300
CL	693000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.182
DCPD	<9.310
DIMP	14.500
DITH	.
DLDRN	0.115
DMDS	.
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2510.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	312000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 27077
AQUIFER: ALLUVIUM
SCREENED INT.: 34.9- 54.9
BEDROCK DEPTH: 57.2
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	9.120
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	18.900
CL	690000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.253
DCPD	<9.310
DIMP	17.800
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	<15.200
ENDRN	0.212
ETC6H5	<0.620
FL	2930.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	404000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.070
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 7078
AQUIFER: ALLUVIUM
SCREENED INT.: 40.2- 50.2
BEDROCK DEPTH: 50.6
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	14.500
BTZ	.
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	813000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	0.214
DCPD	<9.310
DIMP	.
DITH	.
DLDRN	<0.054
DMDS	.
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	3250.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	487000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.430
XYLEN	<1.340
ZN	.

WELL 28022
AQUIFER: ALLUVIUM
SCREENED INT.: 47.8- 51.2
BEDROCK DEPTH: 52.8
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	78000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	14.800
CL	31800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	1.720
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3580.000
MEC6H5	<1.210
MG	10900.000
MIBK	<12.900
MXYLEN	<1.350
NA	49100.000
NIT	2170.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	72100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 28023		WELL 28026	
AQUIFER: ALLUVIUM		AQUIFER: DENVER	
SCREENED INT.: 32.7- 41.9		SCREENED INT.: 110.0-120.0	
BEDROCK DEPTH: 52.0		BEDROCK DEPTH: 52.0	
BEDROCK LITH.: SH		BEDROCK LITH.: SH	
SCREENED ZONE: ALLUVIUM		SCREENED ZONE: 6	
COMPOUND	CONCENTRATION	COMPOUND	CONCENTRATION
111TCE	<1.700	111TCE	<1.700
112TCE	<1.000	112TCE	<1.000
11DCE	<1.100	11DCE	<1.100
11DCLE	<1.200	11DCLE	<1.200
12DCLE	<0.610	12DCLE	<0.610
ALDRN	<0.083	ALDRN	<0.146
AS	<2.500	AS	<2.500
BTZ	<1.140	BTZ	<1.140
C6H6	<1.340	C6H6	<1.340
CA	121000.000	CA	4860.000
CCL4	<2.400	CCL4	<2.400
CD	<5.160	CD	<5.160
CH2CL2	<5.000	CH2CL2	<5.000
CHCL3	<1.400	CHCL3	<1.400
CL	65900.000	CL	<4800.000
CL6CP	<0.083	CL6CP	<0.211
CLC6H5	<0.580	CLC6H5	<0.580
CLDAN	<0.152	CLDAN	<0.233
CPMS	<1.080	CPMS	<1.080
CPMSO	<1.980	CPMSO	<1.980
CPMSO2	<2.240	CPMSO2	<2.240
CR	10.000	CR	<5.960
CU	<7.940	CU	<7.940
DBCP	<0.130	DBCP	<0.130
DCPD	<9.310	DCPD	<9.310
DIMP	<10.500	DIMP	<10.500
DITH	<1.590	DITH	<1.590
DLDRN	<0.054	DLDRN	<0.079
DMDS	<1.160	DMDS	<1.160
DMMP	<15.200	DMMP	<15.200
ENDRN	<0.060	ENDRN	<0.085
ETC6H5	<1.280	ETC6H5	<1.280
FL	<1220.000	FL	2490.000
HG	<0.359	HG	<0.359
ISODR	<0.056	ISODR	<0.109
K	4160.000	K	675.000
MEC6H5	<1.210	MEC6H5	<1.210
MG	18000.000	MG	<500.000
MIBK	<12.900	MIBK	<12.900
MXYLEN	<1.350	MXYLEN	<1.350
NA	74200.000	NA	63900.000
NIT	8330.000	NIT	27.400
OXAT	<1.350	OXAT	<1.350
PB	23.400	PB	23.900
PPDDE	<0.046	PPDDE	<0.046
PPDDT	<0.059	PPDDT	<0.097
SO4	154000.000	SO4	12700.000
T12DCE	<1.200	T12DCE	<1.200
TCLEE	<1.300	TCLEE	<1.300
TRCLE	<1.100	TRCLE	<1.100
XYLEN	<2.470	XYLEN	<2.470
ZN	40.300	ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 28027
AQUIFER: ALLUVIUM
SCREENED INT.: 39.0- 48.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	68400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	35900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	6.190
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3560.000
MEC6H5	<1.210
MG	8670.000
MIBK	<12.900
MXYLEN	<1.350
NA	42100.000
NIT	3440.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	53500.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 28028
AQUIFER: DENVER
SCREENED INT.: 57.5- 67.5
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	44200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	28200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2800.000
MEC6H5	<1.210
MG	3080.000
MIBK	<12.900
MXYLEN	<1.350
NA	80900.000
NIT	199.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	129000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 30009
AQUIFER: ALLUVIUM
SCREENED INT.: 9.0- 24.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	104000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	93400.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	16.300
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1320.000
HG	<0.359
ISODR	<0.056
K	6350.000
MEC6H5	<1.210
MG	37300.000
MIBK	<12.900
MXYLEN	<1.350
NA	160000.000
NIT	8680.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	447000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	135.000

WELL 30011
AQUIFER: DENVER
SCREENED INT.: 123.0-133.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	9380.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	29300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2480.000
HG	<0.359
ISODR	<0.056
K	2100.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	84100.000
NIT	24.300
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	<10000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 31005
AQUIFER: ALLUVIUM
SCREENED INT.: 20.0- 45.0
BEDROCK DEPTH: 43.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	187000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	178000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	22.500
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2860.000
MEC6H5	<1.210
MG	59400.000
MIBK	<12.900
MXYLEN	<1.350
NA	208000.000
NIT	388.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	602000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	43.000

WELL 32002
AQUIFER: DENVER
SCREENED INT.: 105.0-115.0
BEDROCK DEPTH: 30.8
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	104000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	58900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	1990.000
MIBK	<12.900
MXYLEN	<1.350
NA	230000.000
NIT	<10.000
OXAT	<1.350
PB	64.600
PPDDE	<0.046
PPDDT	<0.059
SO4	698000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	34.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33001
AQUIFER: ALLUVIUM
SCREENED INT.: 60.2- 78.6
BEDROCK DEPTH: 77.3
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	47500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	27000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	2990.000
MEC6H5	<1.210
MG	6240.000
MIBK	<12.900
MXYLEN	<1.350
NA	41000.000
NIT	1400.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	36300.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WELL 33002
AQUIFER: ALLUVIUM
SCREENED INT.: 103.9-111.5
BEDROCK DEPTH: 112.1
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	8.230
CA	181000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	122000.000
CL6CP	<0.083
CLC6H5	32.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5800.000
MEC6H5	<1.210
MG	19500.000
MIBK	<12.900
MXYLEN	<1.350
NA	101000.000
NIT	7260.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	332000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	9.470
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33016
AQUIFER: DENVER
SCREENED INT.: 75.0- 85.0
BEDROCK DEPTH: 60.9
BEDROCK LITH.: SS
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	29600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	9450.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	9.090
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1430.000
HG	<0.359
ISODR	<0.056
K	1530.000
MEC6H5	<1.210
MG	1960.000
MIBK	<12.900
MXYLEN	<1.350
NA	57800.000
NIT	3900.000
OXAT	<1.350
PB	22.200
PPDDE	<0.046
PPDDT	<0.059
SO4	52600.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	25.200

WELL 33026
AQUIFER: DENVER
SCREENED INT.: 98.0-108.0
BEDROCK DEPTH: 63.0
BEDROCK LITH.: SH
SCREENED ZONE: 7

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	8700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	11200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1820.000
HG	<0.359
ISODR	<0.056
K	<520.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	62800.000
NIT	2810.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	57700.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	44.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33030
AQUIFER: ALLUVIUM
SCREENED INT.: 55.0-115.0
BEDROCK DEPTH: 117.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	126000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	81400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	6.490
CU	<7.940
DBCP	0.786
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4160.000
MEC6H5	<1.210
MG	16600.000
MIBK	<12.900
MXYLEN	<1.350
NA	64400.000
NIT	14200.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	154000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WELL 33032
AQUIFER: DENVER
SCREENED INT.: 190.0-200.0
BEDROCK DEPTH: 117.5
BEDROCK LITH.: SH
SCREENED ZONE: 7

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	40100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	<4800.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	8.320
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1680.000
HG	<0.359
ISODR	<0.056
K	2770.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	85300.000
NIT	9910.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	13400.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	65.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33033
AQUIFER: ALLUVIUM
SCREENED INT.: 38.7- 53.7
BEDROCK DEPTH: 53.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	84500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	43500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4340.000
MEC6H5	<1.210
MG	9700.000
MIBK	<12.900
MXYLEN	<1.350
NA	44100.000
NIT	7330.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	76200.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	71.700

WELL 33034
AQUIFER: DENVER
SCREENED INT.: 74.0- 84.0
BEDROCK DEPTH: 53.7
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	33800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	29900.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1450.000
HG	<0.359
ISODR	<0.056
K	2620.000
MEC6H5	<1.210
MG	2560.000
MIBK	<12.900
MXYLEN	<1.350
NA	72300.000
NIT	576.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	144000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<40.200

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33039
AQUIFER: ALLUVIUM
SCREENED INT.: 45.8- 55.8
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	113000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	72100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	0.416
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4960.000
MEC6H5	<1.210
MG	41600.000
MIBK	<12.900
MXYLEN	<1.350
NA	194000.000
NIT	8530.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	142000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	6.170
XYLEN	<2.470
ZN	48.500

WELL 33063
AQUIFER: ALLUVIUM
SCREENED INT.: 68.0- 78.0
BEDROCK DEPTH: 78.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	132000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	81000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.810
CU	<7.940
DBCP	3.210
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5030.000
MEC6H5	<1.210
MG	14600.000
MIBK	<12.900
MXYLEN	<1.350
NA	62000.000
NIT	8290.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	142000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	98.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 33075
AQUIFER: ALLUVIUM
SCREENED INT.: 57.4- 77.4
BEDROCK DEPTH: 99.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	25.800
112TCE	<1.000
11DCE	8.090
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	122000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	72600.000
CL6CP	<0.083
CLC6H5	0.582
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	6.120
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4710.000
MEC6H5	<1.210
MG	10700.000
MIBK	<12.900
MXYLEN	<1.350
NA	56900.000
NIT	9770.000
OXAT	<1.350
PB	<37.200
PPDDE	<0.046
PPDDT	<0.059
SO4	164000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	33.700
XYLEN	<2.470
ZN	53.300

WELL 33077
AQUIFER: ALLUVIUM
SCREENED INT.: 107.5-127.5
BEDROCK DEPTH: 127.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	51000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4110.000
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	.
NIT	8630.000
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	107000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	5.160
XYLEN	<2.470
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 34002
AQUIFER: ALLUVIUM
SCREENED INT.: 68.5- 83.7
BEDROCK DEPTH: 83.7
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	61000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	105000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.790
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	4270.000
MEC6H5	<1.210
MG	12800.000
MIBK	<12.900
MXYLEN	<1.350
NA	75900.000
NIT	261.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	46900.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	28.000

WELL 34003
AQUIFER: DENVER
SCREENED INT.: 122.0-132.0
BEDROCK DEPTH: 83.7
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	8450.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	5600.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2200.000
HG	<0.359
ISODR	<0.056
K	680.000
MEC6H5	<1.210
MG	<500.000
MIBK	<12.900
MXYLEN	<1.350
NA	57100.000
NIT	29.100
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	13500.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 34005
AQUIFER: ALLUVIUM
SCREENED INT.: 61.0- 71.0
BEDROCK DEPTH: 71.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	126000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	28.300
CL	379000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.802
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4860.000
MEC6H5	<1.210
MG	27100.000
MIBK	<12.900
MXYLEN	<1.350
NA	227000.000
NIT	10800.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	148000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	40.400

WELL 34006
AQUIFER: DENVER
SCREENED INT.: 85.0- 95.0
BEDROCK DEPTH: 71.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	95300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	321000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1240.000
HG	<0.359
ISODR	<0.056
K	2210.000
MEC6H5	<1.210
MG	7140.000
MIBK	<12.900
MXYLEN	<1.350
NA	213000.000
NIT	20.900
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	156000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	56.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 34008
AQUIFER: ALLUVIUM
SCREENED INT.: 54.5- 84.5
BEDROCK DEPTH: 84.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	75900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	98100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.098
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3550.000
MEC6H5	<1.210
MG	15500.000
MIBK	<12.900
MXYLEN	<1.350
NA	79300.000
NIT	674.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	68100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 34009
AQUIFER: DENVER
SCREENED INT.: 100.0-110.0
BEDROCK DEPTH: 84.5
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	21000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	7520.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1410.000
HG	<0.359
ISODR	<0.056
K	1330.000
MEC6H5	<1.210
MG	1790.000
MIBK	<12.900
MXYLEN	<1.350
NA	49400.000
NIT	14.700
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	53600.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 34507
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	138000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	20.300
CL	450000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	11.700
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.286
DMDS	<1.160
DMMP	<15.200
ENDRN	0.506
ETC6H5	<1.280
FL	1200.000
HG	<0.359
ISODR	<0.056
K	4670.000
MEC6H5	<1.210
MG	49600.000
MIBK	<12.900
MXYLEN	<1.350
NA	204000.000
NIT	10800.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	166000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 34508
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	.
BTZ	<1.140
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	16.500
CL	528000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.088
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1340.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<1.210
MG	.
MIBK	<12.900
MXYLEN	<1.350
NA	
NIT	7820.000
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	163000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	1.100
XYLEN	<2.470
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 34515
AQUIFER: ALLUVIUM
SCREENED INT.: 40.0- 50.0
BEDROCK DEPTH: 65.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	124000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	63000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	21.200
CU	16.800
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	3980.000
MEC6H5	<1.210
MG	24000.000
MIBK	<12.900
MXYLEN	<1.350
NA	68800.000
NIT	10100.000
OXAT	<1.350
PB	20.300
PPDDE	<0.046
PPDDT	<0.059
SO4	140000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	76.700

WELL 35013
AQUIFER: DENVER
SCREENED INT.: 26.0- 29.4
BEDROCK DEPTH: 8.5
BEDROCK LITH.: SH
SCREENED ZONE: A

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	4.410
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	107000.000
CCL4	52.000
CD	<5.160
CH2CL2	<5.000
CHCL3	12.200
CL	102000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	48.600
CU	15.700
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	5160.000
MEC6H5	<1.210
MG	41200.000
MIBK	<12.900
MXYLEN	<1.350
NA	135000.000
NIT	17400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	179000.000
T12DCE	<1.200
TCLEE	6.100
TRCLE	9.830
XYLEN	<2.470
ZN	131.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35016
AQUIFER: DENVER
SCREENED INT.: 37.0- 40.4
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	7.430
BTZ	3.560
C6H6	<1.340
CA	551000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	1610000.000
CL6CP	<0.083
CLC6H5	19.500
CLDAN	<0.152
CPMS	1.250
CPMSO	<1.980
CPMSO2	<2.240
CR	45.900
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	5350.000
DITH	183.000
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2150.000
HG	<0.359
ISODR	<0.056
K	7190.000
MEC6H5	<1.210
MG	99300.000
MIBK	<12.900
MXYLEN	<1.350
NA	446000.000
NIT	176.000
OXAT	16.900
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	473000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	2.550
XYLEN	<2.470
ZN	<20.100

WELL 35017
AQUIFER: DENVER
SCREENED INT.: 88.4- 91.8
BEDROCK DEPTH: 18.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	13900.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	49400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.065
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1530.000
HG	<0.359
ISODR	<0.056
K	1620.000
MEC6H5	<1.210
MG	623.000
MIBK	<12.900
MXYLEN	<1.350
NA	167000.000
NIT	34.700
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	187000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35023
AQUIFER: ALLUVIUM
SCREENED INT.: 21.8- 25.2
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	1.610
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	1.240
C6H6	<1.340
CA	93000.000
CCL4	<2.400
CD	<5.160
CH2CL2	7.090
CHCL3	1530.000
CL	170000.000
CL6CP	<0.083
CLC6H5	4.330
CLDAN	<0.152
CPMS	2.530
CPMSO	14.400
CPMSO2	29.200
CR	<5.960
CU	<7.940
DBCP	> 2.430
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3610.000
MEC6H5	<1.210
MG	26000.000
MIBK	<12.900
MXYLEN	<1.350
NA	133000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	168000.000
T12DCE	<1.200
TCLEE	3.910
TRCLE	<1.100
XYLEN	<2.470
ZN	50.800

WELL 35036
AQUIFER: DENVER
SCREENED INT.: 74.0- 89.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	103000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	62100.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2800.000
MEC6H5	<1.210
MG	6730.000
MIBK	<12.900
MXYLEN	<1.350
NA	315000.000
NIT	11.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	635000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35037
AQUIFER: ALLUVIUM
SCREENED INT.: 30.0- 39.1
BEDROCK DEPTH: 37.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	157000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	10.400
CL	246000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	172.000
CU	174.000
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	1.760
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1870.000
HG	<0.359
ISODR	<0.056
K	5380.000
MEC6H5	<1.210
MG	65100.000
MIBK	<12.900
MXYLEN	<1.350
NA	238000.000
NIT	4320.000
OXAT	<1.350
PB	120.000
PPDDE	<0.046
PPDDT	<0.059
SO4	277000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	589.000

WELL 35038
AQUIFER: DENVER
SCREENED INT.: 59.0- 67.0
BEDROCK DEPTH: 37.0
BEDROCK LITH.: SH
SCREENED ZONE: 1

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	71500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	36200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2650.000
MEC6H5	<1.210
MG	14500.000
MIBK	<12.900
MXYLEN	<1.350
NA	213000.000
NIT	4420.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	249000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35039
AQUIFER: DENVER
SCREENED INT.: 100.0-112.0
BEDROCK DEPTH: 37.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	59100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	46500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1620.000
MEC6H5	<1.210
MG	3140.000
MIBK	<12.900
MXYLEN	<1.350
NA	258000.000
NIT	50.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	376000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	66.400

WELL 35052
AQUIFER: ALLUVIUM
SCREENED INT.: 15.0- 20.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	455000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	750000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	109.000
CU	47.900
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	1.650
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	19300.000
MEC6H5	<1.210
MG	59100.000
MIBK	<12.900
MXYLEN	<1.350
NA	237000.000
NIT	9630.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	280000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	210.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35054
AQUIFER: DENVER
SCREENED INT.: 66.0- 76.0
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	236000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	24500.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	15.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	4790.000
MEC6H5	<1.210
MG	45200.000
MIBK	<12.900
MXYLEN	<1.350
NA	465000.000
NIT	131.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1400000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 35056
AQUIFER: DENVER
SCREENED INT.: 110.0-145.0
BEDROCK DEPTH: 10.1
BEDROCK LITH.: SS
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	57000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	83700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1620.000
MEC6H5	<1.210
MG	615.000
MIBK	<12.900
MXYLEN	<1.350
NA	219000.000
NIT	<10.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	411000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35058
AQUIFER: ALLUVIUM
SCREENED INT.: 15.5- 35.5
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	74600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	5.260
CL	151000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	20.300
CU	19.800
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	1.220
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1750.000
HG	<0.359
ISODR	<0.056
K	4420.000
MEC6H5	<1.210
MG	29100.000
MIBK	<12.900
MXYLEN	<1.350
NA	194000.000
NIT	4690.000
OXAT	<1.350
PB	25.500
PPDDE	<0.046
PPDDT	<0.059
SO4	155000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	78.500

WELL 35061
AQUIFER: ALLUVIUM
SCREENED INT.: 35.0- 40.0
BEDROCK DEPTH: 40.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	300000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	227000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	56.700
CU	25.500
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2390.000
HG	<0.359
ISODR	<0.056
K	5750.000
MEC6H5	<1.210
MG	77100.000
MIBK	<12.900
MXYLEN	<1.350
NA	294000.000
NIT	12700.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1050000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	131.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35062
AQUIFER: DENVER
SCREENED INT.: 66.5- 81.5
BEDROCK DEPTH: 40.0
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	209000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	35400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	17.100
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1180.000
HG	<0.359
ISODR	<0.056
K	4490.000
MEC6H5	<1.210
MG	28700.000
MIBK	<12.900
MXYLEN	<1.350
NA	523000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1340000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	43.200

WELL 35063
AQUIFER: DENVER
SCREENED INT.: 96.0-116.0
BEDROCK DEPTH: 40.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	50200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	57200.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1200.000
HG	<0.359
ISODR	<0.056
K	1620.000
MEC6H5	<1.210
MG	1540.000
MIBK	<12.900
MXYLEN	<1.350
NA	274000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	525000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	24.700

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35065
AQUIFER: ALLUVIUM
SCREENED INT.: 16.0- 31.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	0.830
AS	12.000
BTZ	<1.140
C6H6	<1.340
CA	700000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	479000.000
CL6CP	<0.083
CLC6H5	5.870
CLDAN	<0.152
CPMS	<1.080
CPMSO	9.510
CPMSO2	494.000
CR	191.000
CU	92.900
DBCP	0.189
DCPD	58.600
DIMP	1340.000
DITH	48.800
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	4020.000
HG	<0.359
ISODR	<0.056
K	6650.000
MEC6H5	<1.210
MG	352000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1300000.000
NIT	4020.000
OXAT	8.020
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	3970000.000
T12DCE	<1.200
TCLEE	23.300
TRCLE	9.810
XYLEN	<2.470
ZN	367.000

WELL 35066
AQUIFER: DENVER
SCREENED INT.: 40.5- 55.5
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	12.100
BTZ	<1.140
C6H6	<1.340
CA	575000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.910
CL	2100000.000
CL6CP	<0.083
CLC6H5	2.330
CLDAN	<0.152
CPMS	3.640
CPMSO	<1.980
CPMSO2	<2.240
CR	73.900
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	2710.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	4830.000
HG	1.970
ISODR	<0.056
K	8830.000
MEC6H5	<1.210
MG	355000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1190000.000
NIT	3070.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2790000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 35067
AQUIFER: DENVER
SCREENED INT.: 68.0- 83.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	285000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	133000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	19.400
CU	9.400
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1630.000
HG	<0.359
ISODR	<0.056
K	5160.000
MEC6H5	<1.210
MG	71200.000
MIBK	<12.900
MXYLEN	<1.350
NA	521000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1420000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	63.000

WELL 35068
AQUIFER: DENVER
SCREENED INT.: 99.0-159.0
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 2 & 3

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	75600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	54200.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1280.000
HG	<0.359
ISODR	<0.056
K	1330.000
MEC6H5	<1.210
MG	5950.000
MIBK	<12.900
MXYLEN	<1.350
NA	279000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	537000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36001
AQUIFER: ALLUVIUM
SCREENED INT.: 10.5- 20.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<850.000
112TCE	<500.000
11DCE	<550.000
11DCLE	<600.000
12DCLE	<305.000
ALDRN	<0.083
AS	3.640
BTZ	<1.140
C6H6	25000.000
CA	86300.000
CCL4	<1200.000
CD	<5.160
CH2CL2	<2500.000
CHCL3	4870.000
CL	175000.000
CL6CP	<0.169
CLC6H5	31200.000
CLDAN	<0.152
CPMS	113.000
CPMSO	<1.980
CPMSO2	154.000
CR	<5.960
CU	9.780
DBCP	278.000
DCPD	.
DIMP	<10.500
DITH	1.690
DLDRN	1.230
DMDS	47.100
DMMP	132.000
ENDRN	<0.060
ETC6H5	<640.000
FL	2600.000
HG	1.900
ISODR	<0.056
K	3260.000
MEC6H5	<605.000
MG	34500.000
MIBK	.
MXYLEN	<675.000
NA	292000.000
NIT	56.800
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	166000.000
T12DCE	<600.000
TCLEE	<650.000
TRCLE	2840.000
XYLEN	<1240.000
ZN	<101.000

WELL 36056
AQUIFER: DENVER
SCREENED INT.: 26.5- 30.5
BEDROCK DEPTH: 24.5
BEDROCK LITH.: ST
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	1.700
11DCLE	3.770
12DCLE	474.000
ALDRN	<2.080
AS	103.000
BTZ	<1.140
C6H6	16000.000
CA	1060000.000
CCL4	<2.400
CD	<5.160
CH2CL2	7340.000
CHCL3	1920.000
CL	3640000.000
CL6CP	<2.080
CLC6H5	1170.000
CLDAN	<3.800
CPMS	63.800
CPMSO	392.000
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	1.550
DCPD	<9.310
DIMP	164.000
DITH	7760.000
DLDRN	2.340
DMDS	11.400
DMMP	<15.200
ENDRN	<1.500
ETC6H5	> 8.090
FL	6230.000
HG	11.300
ISODR	<1.400
K	6610.000
MEC6H5	> 8.890
MG	356000.000
MIBK	<12.900
MXYLEN	> 8.930
NA	1480000.000
NIT	127.000
OXAT	1550.000
PB	<18.600
PPDDE	<1.150
PPDDT	<1.480
SO4	1960000.000
T12DCE	14.000
TCLEE	184.000
TRCLE	146.000
XYLEN	> 18.100
ZN	22.400

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36065
AQUIFER: ALLUVIUM
SCREENED INT.: 17.6- 21.0
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	1.510
CA	501000.000
CCL4	16.400
CD	<5.160
CH2CL2	<5.000
CHCL3	57.500
CL	279000.000
CL6CP	<0.083
CLC6H5	0.980
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	32.400
CU	<7.940
DBCP	1.520
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2890.000
HG	<0.359
ISODR	<0.056
K	3350.000
MEC6H5	<1.210
MG	119000.000
MIBK	<12.900
MXYLEN	<1.350
NA	485000.000
NIT	3170.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2090000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	32.600
XYLEN	<2.470
ZN	<101.000

WELL 36066
AQUIFER: DENVER
SCREENED INT.: 73.3- 76.7
BEDROCK DEPTH: 22.5
BEDROCK LITH.: SH
SCREENED ZONE: AL

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	69800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	57700.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	2540.000
MEC6H5	<1.210
MG	7220.000
MIBK	<12.900
MXYLEN	<1.350
NA	671000.000
NIT	49.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1270000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36069
AQUIFER: DENVER
SCREENED INT.: 17.5- 22.5
BEDROCK DEPTH: 9.7
BEDROCK LITH.: SH
SCREENED ZONE: VCE

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	76300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	136.000
CL	246000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2330.000
HG	<0.359
ISODR	<0.056
K	4170.000
MEC6H5	<1.210
MG	18900.000
MIBK	<12.900
MXYLEN	<1.350
NA	323000.000
NIT	23400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	419000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	34.900

WELL 36075
AQUIFER: ALLUVIUM
SCREENED INT.: 7.6- 11.0
BEDROCK DEPTH: 14.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	106000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	1.440
CL	137000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	9.690
CU	9.480
DBCP	<0.130
DCPD	<16.200
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3530.000
HG	<0.359
ISODR	<0.056
K	2800.000
MEC6H5	<1.210
MG	47200.000
MIBK	<12.900
MXYLEN	<1.350
NA	373000.000
NIT	15400.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	776000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	1.740
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36076
AQUIFER: ALLUVIUM
SCREENED INT.: 13.5- 16.9
BEDROCK DEPTH: 29.5
BEDROCK LITH.: ST
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<850.000
112TCE	3.790
11DCE	6.990
11DCLE	9.740
12DCLE	<305.000
ALDRN	<0.830
AS	315.000
BTZ	7.730
C6H6	1420.000
CA	180000.000
CCL4	<1200.000
CD	<5.160
CH2CL2	5780.000
CHCL3	11100.000
CL	791000.000
CL6CP	<0.830
CLC6H5	19600.000
CLDAN	<1.520
CPMS	20.800
CPMSO	10.800
CPMSO2	1390.000
CR	15.800
CU	10.400
DBCP	0.586
DCPD	<9.310
DIMP	<10.500
DITH	33.300
DLDRN	<0.550
DMDS	8.990
DMMP	<15.200
ENDRN	<0.600
ETC6H5	<1.280
FL	2300.000
HG	<0.359
ISODR	<0.560
K	11100.000
MEC6H5	8.890
MG	33600.000
MIBK	16.200
MXYLEN	1.520
NA	739000.000
NIT	2010.000
OXAT	26.100
PB	<18.600
PPDDE	<0.460
PPDDT	<0.590
SO4	752000.000
T12DCE	9.560
TCLEE	9.160
TRCLE	16.500
XYLEN	<2.470
ZN	<101.000

WELL 36083
AQUIFER: DENVER
SCREENED INT.: 79.0- 82.4
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<25.200
BTZ	<1.140
C6H6	<1.340
CA	364000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	226000.000
CL6CP	<0.169
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	34.600
CU	9.390
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	5250.000
HG	<0.359
ISODR	<0.056
K	8070.000
MEC6H5	<1.210
MG	141000.000
MIBK	<12.900
MXYLEN	<1.350
NA	3830000.000
NIT	13.500
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	8710000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	208.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36084
AQUIFER: ALLUVIUM
SCREENED INT.: 7.6- 11.6
BEDROCK DEPTH: 25.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	36.800
11DCE	<1.100
11DCLE	<1.200
12DCLE	11.900
ALDRN	<2.080
AS	131.000
BTZ	5.270
C6H6	8.470
CA	893000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	34.500
CL	6230000.000
CL6CP	<2.080
CLC6H5	4.710
CLDAN	<3.800
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	58.600
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12100.000
DITH	498.000
DLDRN	<1.380
DMDS	<1.160
DMMP	<15.200
ENDRN	<1.500
ETC6H5	<1.280
FL	9590.000
HG	<0.359
ISODR	<1.400
K	30100.000
MEC6H5	<1.210
MG	361000.000
MIBK	<12.900
MXYLEN	<1.350
NA	3410000.000
NIT	609.000
OXAT	68.600
PB	<18.600
PPDDE	<1.150
PPDDT	<1.480
SO4	2980000.000
T12DCE	56.700
TCLEE	8.760
TRCLE	> 194.000
XYLEN	<2.470
ZN	34.000

WELL 36090
AQUIFER: DENVER
SCREENED INT.: 21.9- 25.3
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: VC

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	4.470
11DCE	<1.100
11DCLE	<1.200
12DCLE	265.000
ALDRN	<0.083
AS	26.000
BTZ	14.600
C6H6	<1.340
CA	1180000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.990
CL	2590000.000
CL6CP	<0.083
CLC6H5	55.900
CLDAN	<0.152
CPMS	8.460
CPMSO	<1.980
CPMSO2	<2.240
CR	62.800
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	13.200
DITH	1110.000
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	2.840
FL	3820.000
HG	<0.359
ISODR	<0.056
K	7190.000
MEC6H5	<1.210
MG	288000.000
MIBK	<12.900
MXYLEN	<1.350
NA	796000.000
NIT	255.000
OXAT	1170.000
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2070000.000
T12DCE	14.900
TCLEE	23.600
TRCLE	175.000
XYLEN	<2.470
ZN	36.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36110
AQUIFER: DENVER
SCREENED INT.: 61.8- 65.2
BEDROCK DEPTH: 27.1
BEDROCK LITH.: SH
SCREENED ZONE: AS

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.610
ALDRN	<0.083
AS	26.700
BTZ	<1.140
C6H6	<1.340
CA	250000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	91.600
CL	145000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	3.650
CR	21.200
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	> 0.050
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	2020.000
HG	<0.359
ISODR	<0.056
K	4680.000
MEC6H5	<1.210
MG	68800.000
MIBK	<12.900
MXYLEN	<1.350
NA	680000.000
NIT	690.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1910000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 36112
AQUIFER: ALLUVIUM
SCREENED INT.: 23.0- 33.0
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	0.750
ALDRN	<0.117
AS	19.900
BTZ	<1.140
C6H6	<1.340
CA	733000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	2460000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	6.110
CPMSO	<1.980
CPMSO2	<2.240
CR	55.100
CU	<7.940
DBCP	<0.130
DCPD	<21.600
DIMP	144.000
DITH	415.000
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	3030.000
HG	<0.359
ISODR	<0.056
K	8080.000
MEC6H5	<1.210
MG	242000.000
MIBK	<12.900
MXYLEN	<1.350
NA	498000.000
NIT	2750.000
OXAT	60.100
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	835000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36113
AQUIFER: DENVER
SCREENED INT.: 65.5- 80.5
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	1.670
CA	47800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	14300.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	5510.000
MEC6H5	<1.210
MG	5260.000
MIBK	<12.900
MXYLEN	<1.350
NA	183000.000
NIT	75.300
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	299000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 36114
AQUIFER: DENVER
SCREENED INT.: 101.2-146.2
BEDROCK DEPTH: 33.0
BEDROCK LITH.: SH
SCREENED ZONE: 1 2

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	91400.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	189000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1220.000
HG	<0.359
ISODR	<0.056
K	2270.000
MEC6H5	<1.210
MG	2620.000
MIBK	<12.900
MXYLEN	<1.350
NA	376000.000
NIT	44.400
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	628000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36117
AQUIFER: DENVER
SCREENED INT.: 61.0- 76.0
BEDROCK DEPTH: 12.5
BEDROCK LITH.: SH
SCREENED ZONE: AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.146
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	102000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	10000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.233
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.124
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.085
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.109
K	3890.000
MEC6H5	<1.210
MG	19500.000
MIBK	<12.900
MXYLEN	<1.350
NA	195000.000
NIT	167.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.097
SO4	241000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	24.200

WELL 36119
AQUIFER: DENVER
SCREENED INT.: 81.0- 91.0
BEDROCK DEPTH: 9.0
BEDROCK LITH.: SH
SCREENED ZONE: AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	11800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	19400.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	1740.000
MEC6H5	<1.210
MG	995.000
MIBK	<12.900
MXYLEN	<1.350
NA	169000.000
NIT	161.000
OXAT	<1.350
PB	28.400
PPDDE	<0.046
PPDDT	<0.059
SO4	207000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	23.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36121
AQUIFER: DENVER
SCREENED INT.: 48.0- 53.0
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	366000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	218000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	25.900
CU	<7.940
DBCP	<0.130
DCPD	<16.200
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	1860.000
HG	<0.359
ISODR	<0.056
K	7000.000
MEC6H5	<1.210
MG	79800.000
MIBK	<12.900
MXYLEN	<1.350
NA	804000.000
NIT	4080.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2080000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<101.000

WELL 36122
AQUIFER: DENVER
SCREENED INT.: 70.0- 80.0
BEDROCK DEPTH: 17.5
BEDROCK LITH.: SH
SCREENED ZONE: AM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	1.630
CA	109000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	164000.000
CL6CP	<0.083
CLC6H5	<0.580
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.056
K	3890.000
MEC6H5	<1.210
MG	7560.000
MIBK	<12.900
MXYLEN	<1.350
NA	501000.000
NIT	56.100
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1020000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	33.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 36139
AQUIFER: DENVER
SCREENED INT.: 15.0- 30.0
BEDROCK DEPTH: 14.0
BEDROCK LITH.: SS
SCREENED ZONE: AS

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	20.400
ALDRN	<0.415
AS	74.900
BTZ	6.790
C6H6	<1.340
CA	1330000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	25.400
CL	4410000.000
CL6CP	<0.415
CLC6H5	<0.580
CLDAN	<0.760
CPMS	3.790
CPMSO	<1.980
CPMSO2	<2.240
CR	81.900
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	417.000
DITH	302.000
DLDRN	<0.275
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.300
ETC6H5	<1.280
FL	4190.000
HG	<0.359
ISODR	<0.280
K	32900.000
MEC6H5	<1.210
MG	262000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1260000.000
NIT	811.000
OXAT	58.900
PB	<18.600
PPDDE	0.230
PPDDT	<0.295
SO4	1950000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	154.000

WELL 36154
AQUIFER: DENVER
SCREENED INT.: 132.0-142.0
BEDROCK DEPTH: 11.5
BEDROCK LITH.: ST
SCREENED ZONE: 1U

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.146
AS	<2.500
BTZ	<1.140
C6H6	<1.340
CA	37100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	142000.000
CL6CP	<0.211
CLC6H5	<0.580
CLDAN	<0.233
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.079
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.085
ETC6H5	<1.280
FL	<1220.000
HG	<0.359
ISODR	<0.109
K	1470.000
MEC6H5	<1.210
MG	751.000
MIBK	<12.900
MXYLEN	<1.350
NA	278000.000
NIT	47.900
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.097
SO4	401000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37308
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 20.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	1.690
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	120000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	275000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	59.100
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	54.100
DIMP	78.400
DITH	<1.100
DLDRN	0.291
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2090.000
HG	<0.240
ISODR	<0.060
K	4130.000
MEC6H5	<1.210
MG	68100.000
MIBK	<12.900
MXYLEN	<1.350
NA	272000.000
NIT	667.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	430000.000
T12DCE	<1.200
TCLEE	14.400
TRCLE	<1.100
XYLEN	<2.470
ZN	21.600

WELL 37309
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 23.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	6.270
ALDRN	<0.700
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	144000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	624000.000
CL6CP	<0.700
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	27.100
CPMSO2	32.600
CR	<5.960
CU	<7.940
DBCP	0.176
DCPD	475.000
DIMP	829.000
DITH	6.480
DLDRN	<0.600
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.520
ETC6H5	<1.280
FL	2790.000
HG	<0.240
ISODR	<0.600
K	2580.000
MEC6H5	<1.210
MG	71400.000
MIBK	<12.900
MXYLEN	<1.350
NA	539000.000
NIT	2180.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.530
PPDDT	<0.700
SO4	591000.000
T12DCE	<1.200
TCLEE	45.400
TRCLE	3.160
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37312
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 13.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	135000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	258000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	1.620
DMDS	<1.800
DMMP	<15.200
ENDRN	1.510
ETC6H5	<1.280
FL	2090.000
HG	<0.240
ISODR	<0.060
K	2430.000
MEC6H5	<1.210
MG	72500.000
MIBK	<12.900
MXYLEN	<1.350
NA	250000.000
NIT	1020.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	481000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37313
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 28.8
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	270000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	730000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	2170.000
DITH	8.970
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2030.000
HG	<0.240
ISODR	<0.060
K	12300.000
MEC6H5	<1.210
MG	> 400000.000
MIBK	<12.900
MXYLEN	<1.350
NA	600000.000
NIT	85.400
OXAT	<2.000
PB	23.300
PPDDE	<0.053
PPDDT	<0.070
SO4	1030000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37316
AQUIFER: DENVER
SCREENED INT.: 88.1- 96.2
BEDROCK DEPTH: 31.0
BEDROCK LITH.: SH
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	74500.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	27.000
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2060.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	505000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 37317
AQUIFER: DENVER
SCREENED INT.: 51.2- 60.6
BEDROCK DEPTH: 31.1
BEDROCK LITH.: SH
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	56000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1290.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	627000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37318
AQUIFER: DENVER
SCREENED INT.: 41.8- 50.7
BEDROCK DEPTH: 27.0
BEDROCK LITH.: SH
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	44300.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	313000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 37319
AQUIFER: DENVER
SCREENED INT.: 145.4-154.5
BEDROCK DEPTH: 29.0
BEDROCK LITH.: SH
SCREENED ZONE: 6

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	6.760
CHCL3	3.100
CL	6110.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1670.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	20200.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37320
AQUIFER: ALLUVIUM
SCREENED INT.: 22.7- 32.7
BEDROCK DEPTH: 35.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.750
CA	127000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	155000.000
CL6CP	<0.070
CLC6H5	10.000
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	12.100
DBCP	<0.130
DCPD	<9.310
DIMP	21.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.480
ISODR	<0.060
K	2890.000
MEC6H5	<1.210
MG	44300.000
MIBK	<12.900
MXYLEN	<1.350
NA	176000.000
NIT	4200.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	413000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37321
AQUIFER: DENVER
SCREENED INT.: 64.0- 73.9
BEDROCK DEPTH: 35.0
BEDROCK LITH.: SS
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	16800.000
CL6CP	<0.083
CLC6H5	3.600
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	216000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37322
AQUIFER: DENVER
SCREENED INT.: 87.8- 96.9
BEDROCK DEPTH: 35.0
BEDROCK LITH.: SS
SCREENED ZONE: 5

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	17100.000
CL6CP	<0.083
CLC6H5	7.740
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	207000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 37323
AQUIFER: DENVER
SCREENED INT.: 16.5- 26.3
BEDROCK DEPTH: 10.0
BEDROCK LITH.: SH
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	36.700
CL	238000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	15.700
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2310.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1020000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37327
AQUIFER: ALLUVIUM
SCREENED INT.: 29.6- 34.5
BEDROCK DEPTH: 34.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	257000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2700.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1190000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.210
ZN	.

WELL 37330
AQUIFER: ALLUVIUM
SCREENED INT.: 37.5- 57.2
BEDROCK DEPTH: 57.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	18.100
CL	291000.000
CL6CP	<0.083
CLC6H5	2.690
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	1630.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	154000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37331
AQUIFER: ALLUVIUM
SCREENED INT.: 39.6- 48.6
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	25.800
CL	327000.000
CL6CP	<0.083
CLC6H5	6.590
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1730.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	169000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 37332
AQUIFER: ALLUVIUM
SCREENED INT.: 46.9- 51.4
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	4.500
BTZ	<2.000
C6H6	<1.340
CA	116000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	714000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.711
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	2540.000
HG	<0.240
ISODR	<0.060
K	3970.000
MEC6H5	<1.210
MG	> 200000.000
MIBK	<12.900
MXYLEN	<1.350
NA	501000.000
NIT	5130.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	393000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	131.000

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37333
AQUIFER: ALLUVIUM
SCREENED INT.: 38.4- 47.7
BEDROCK DEPTH: 47.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	80100.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	13.500
CL	394000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.205
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	4740.000
MEC6H5	<1.210
MG	10500.000
MIBK	<12.900
MXYLEN	<1.350
NA	233000.000
NIT	3330.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	157000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37334
AQUIFER: ALLUVIUM
SCREENED INT.: 42.3- 67.3
BEDROCK DEPTH: 64.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	72000.000
CL6CP	<0.083
CLC6H5	3.710
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.169
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	64800.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37335
AQUIFER: ALLUVIUM
SCREENED INT.: 38.2- 57.6
BEDROCK DEPTH: 51.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.740
CA	69800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	112000.000
CL6CP	<0.070
CLC6H5	8.550
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.065
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2430.000
MEC6H5	<1.210
MG	13600.000
MIBK	<12.900
MXYLEN	<1.350
NA	80900.000
NIT	255.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	54400.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	39.800

WELL 37336
AQUIFER: ALLUVIUM
SCREENED INT.: 19.3- 38.9
BEDROCK DEPTH: 39.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	9.230
CL	225000.000
CL6CP	<0.083
CLC6H5	6.910
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.082
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1360.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	159000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37337
AQUIFER: ALLUVIUM
SCREENED INT.: 25.8- 40.3
BEDROCK DEPTH: 32.1
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	63000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.590
DLDRN	0.068
DMDS	<1.160
DMMP	<30.400
ENDRN	<0.060
ETC6H5	<0.620
FL	1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	123000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WELL 37338
AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 29.2
BEDROCK DEPTH: 23.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.490
CA	127000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	148000.000
CL6CP	<0.070
CLC6H5	8.370
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.062
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1400.000
HG	<0.240
ISODR	<0.060
K	16000.000
MEC6H5	<1.210
MG	41900.000
MIBK	<12.900
MXYLEN	<1.350
NA	180000.000
NIT	1040.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	392000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	25.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37339
AQUIFER: ALLUVIUM
SCREENED INT.: 11.7- 22.3
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	537000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	2020000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	515.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	4230.000
HG	<0.240
ISODR	<0.060
K	3510.000
MEC6H5	<1.210
MG	167000.000
MIBK	<12.900
MXYLEN	<1.350
NA	1060000.000
NIT	9230.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	2180000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	93.900

WELL 37340
AQUIFER: ALLUVIUM
SCREENED INT.: 23.5- 34.1
BEDROCK DEPTH: 32.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	.
AS	.
BTZ	.
C6H6	<1.340
CA	.
CCL4	<2.400
CD	.
CH2CL2	<5.000
CHCL3	<1.400
CL	.
CL6CP	.
CLC6H5	<0.580
CLDAN	.
CPMS	.
CPMSO	.
CPMSO2	.
CR	.
CU	.
DBCP	<0.130
DCPD	.
DIMP	.
DITH	.
DLDRN	.
DMDS	.
DMMP	.
ENDRN	.
ETC6H5	<1.280
FL	.
HG	.
ISODR	.
K	.
MEC6H5	<1.210
MG	.
MIBK	.
MXYLEN	<1.350
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	.
PPDDT	.
SO4	.
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37341
AQUIFER: ALLUVIUM
SCREENED INT.: 20.3- 50.7
BEDROCK DEPTH: 48.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	65300.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	47500.000
CL6CP	<0.070
CLC6H5	2.420
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<30.400
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.480
ISODR	<0.060
K	4280.000
MEC6H5	<1.210
MG	13100.000
MIBK	<12.900
MXYLEN	<1.350
NA	60700.000
NIT	725.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	103000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37342
AQUIFER: ALLUVIUM
SCREENED INT.: 12.9- 29.0
BEDROCK DEPTH: 27.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	1.470
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	311000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	576000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	41.100
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1460.000
HG	<0.240
ISODR	<0.060
K	6130.000
MEC6H5	<1.210
MG	74500.000
MIBK	<12.900
MXYLEN	<1.350
NA	444000.000
NIT	5650.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	883000.000
T12DCE	<1.200
TCLEE	2.200
TRCLE	<1.100
XYLEN	<2.470
ZN	82.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37343
AQUIFER: ALLUVIUM
SCREENED INT.: 3.7- 35.1
BEDROCK DEPTH: 35.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	2.240
ALDRN	<0.070
AS	3.900
BTZ	<2.000
C6H6	<1.340
CA	144000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	333000.000
CL6CP	<0.070
CLC6H5	8.930
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	26.700
DBCP	<0.130
DCPD	16.800
DIMP	966.000
DITH	1.830
DLDRN	<0.060
DMDS	<1.800
DMMP	<152.000
ENDRN	<0.052
ETC6H5	<1.280
FL	1600.000
HG	<0.240
ISODR	<0.060
K	4590.000
MEC6H5	<1.210
MG	54000.000
MIBK	<12.900
MXYLEN	<1.350
NA	270000.000
NIT	190.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	428000.000
T12DCE	1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	24.400

WELL 37344
AQUIFER: ALLUVIUM
SCREENED INT.: 15.5- 40.9
BEDROCK DEPTH: 42.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	13.700
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.720
CA	177000.000
CCL4	9.880
CD	<5.160
CH2CL2	<5.000
CHCL3	1370.000
CL	402000.000
CL6CP	<0.070
CLC6H5	6.530
CLDAN	.
CPMS	3.290
CPMSO	110.000
CPMSO2	<4.700
CR	<5.960
CU	22.100
DBCP	10.600
DCPD	<9.310
DIMP	1160.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<380.000
ENDRN	<0.052
ETC6H5	<1.280
FL	1350.000
HG	<0.480
ISODR	<0.060
K	4740.000
MEC6H5	<1.210
MG	48800.000
MIBK	<12.900
MXYLEN	<1.350
NA	292000.000
NIT	2670.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	495000.000
T12DCE	<1.200
TCLEE	115.000
TRCLE	7.060
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37345
AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 37.1
BEDROCK DEPTH: 37.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	74700.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	52000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1270.000
HG	<0.240
ISODR	<0.060
K	1660.000
MEC6H5	<1.210
MG	16200.000
MIBK	<12.900
MXYLEN	<1.350
NA	69500.000
NIT	668.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	153000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	77.100

WELL 37346
AQUIFER: ALLUVIUM
SCREENED INT.: 8.6- 24.0
BEDROCK DEPTH: 24.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	91800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	73900.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	52.200
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	3660.000
MEC6H5	<1.210
MG	17200.000
MIBK	<12.900
MXYLEN	<1.350
NA	71800.000
NIT	722.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	159000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	42.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37347
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 33.8
BEDROCK DEPTH: 33.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	70500.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	55500.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	33.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	3050.000
MEC6H5	<1.210
MG	16000.000
MIBK	<12.900
MXYLEN	<1.350
NA	69500.000
NIT	1180.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	112000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	52.200

WELL 37348
AQUIFER: ALLUVIUM
SCREENED INT.: 16.4- 42.0
BEDROCK DEPTH: 41.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	148000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	189000.000
CL6CP	<0.070
CLC6H5	2.050
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1470.000
HG	<0.480
ISODR	<0.060
K	2430.000
MEC6H5	<1.210
MG	35100.000
MIBK	<12.900
MXYLEN	<1.350
NA	124000.000
NIT	4010.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	334000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	34.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37349
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.6
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	181000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	277000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	456.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1250.000
HG	<0.240
ISODR	<0.060
K	3050.000
MEC6H5	<1.210
MG	47100.000
MIBK	<12.900
MXYLEN	<1.350
NA	127000.000
NIT	6790.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	311000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	116.000

WELL 37350
AQUIFER: ALLUVIUM
SCREENED INT.: 26.9- 52.3
BEDROCK DEPTH: 52.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	114000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	2.120
CL	86100.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	16.600
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.480
ISODR	<0.060
K	3660.000
MEC6H5	<1.210
MG	30200.000
MIBK	<12.900
MXYLEN	<1.350
NA	83400.000
NIT	7010.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	218000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37351
AQUIFER: ALLUVIUM
SCREENED INT.: 17.9- 38.5
BEDROCK DEPTH: 36.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	139000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	128000.000
CL6CP	<0.070
CLC6H5	<1.730
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	12.400
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<30.400
ENDRN	<0.052
ETC6H5	<1.280
FL	1690.000
HG	<0.480
ISODR	<0.060
K	1840.000
MEC6H5	<1.210
MG	38000.000
MIBK	<12.900
MXYLEN	<1.350
NA	135000.000
NIT	7890.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	206000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37352
AQUIFER: ALLUVIUM
SCREENED INT.: 29.8- 38.3
BEDROCK DEPTH: 37.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	112000.000
CCL4	<2.400
CD	<5.160
CH2CL2	9.970
CHCL3	<1.400
CL	82200.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1380.000
HG	<0.240
ISODR	<0.060
K	<1260.000
MEC6H5	<1.210
MG	28200.000
MIBK	<12.900
MXYLEN	<1.350
NA	112000.000
NIT	3360.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	177000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	37.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37353
AQUIFER: ALLUVIUM
SCREENED INT.: 27.1- 42.4
BEDROCK DEPTH: 44.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	119000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	119000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	103.000
DITH	<1.100
DLDRN	0.156
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	1690.000
MEC6H5	<1.210
MG	32500.000
MIBK	<12.900
MXYLEN	<1.350
NA	135000.000
NIT	4030.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	187000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	97.900

WELL 37354
AQUIFER: ALLUVIUM
SCREENED INT.: 13.8- 49.1
BEDROCK DEPTH: 49.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.510
CA	108000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.380
CL	87300.000
CL6CP	<0.070
CLC6H5	7.340
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	13.100
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1300.000
HG	<0.480
ISODR	<0.060
K	2150.000
MEC6H5	<1.210
MG	28200.000
MIBK	<12.900
MXYLEN	<1.350
NA	106000.000
NIT	7750.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	160000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.600

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37355
AQUIFER: ALLUVIUM
SCREENED INT.: 11.1- 71.7
BEDROCK DEPTH: 70.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	9.590
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	148000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	3.250
CL	196000.000
CL6CP	<0.070
CLC6H5	5.790
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	11.100
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.116
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1640.000
HG	<0.240
ISODR	<0.060
K	2000.000
MEC6H5	<1.210
MG	37000.000
MIBK	<12.900
MXYLEN	<1.350
NA	157000.000
NIT	6270.000
OXAT	<2.000
PB	24.500
PPDDE	<0.053
PPDDT	<0.070
SO4	208000.000
T12DCE	<1.200
TCLEE	1.480
TRCLE	<1.100
XYLEN	<2.470
ZN	35.200

WELL 37356
AQUIFER: ALLUVIUM
SCREENED INT.: 8.3- 38.4
BEDROCK DEPTH: 38.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	106000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	95000.000
CL6CP	<0.070
CLC6H5	7.390
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	57.400
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	3390.000
MEC6H5	<1.210
MG	25900.000
MIBK	<12.900
MXYLEN	<1.350
NA	111000.000
NIT	4680.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	155000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	29.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37357
AQUIFER: ALLUVIUM
SCREENED INT.: 4.5- 19.7
BEDROCK DEPTH: 19.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	121000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	24.300
CL	126000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	29.600
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	6640.000
MEC6H5	<1.210
MG	32900.000
MIBK	<12.900
MXYLEN	<1.350
NA	137000.000
NIT	10300.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	192000.000
T12DCE	<1.200
TCLEE	3.390
TRCLE	<1.100
XYLEN	<2.470
ZN	67.400

WELL 37358
AQUIFER: ALLUVIUM
SCREENED INT.: 44.3- 59.9
BEDROCK DEPTH: 59.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	135000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	73800.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2150.000
MEC6H5	<1.210
MG	15000.000
MIBK	<12.900
MXYLEN	<1.350
NA	73200.000
NIT	3460.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	123000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37359
AQUIFER: ALLUVIUM
SCREENED INT.: 23.2- 43.7
BEDROCK DEPTH: 42.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	3.700
112TCE	<1.000
11DCE	<1.100
11DCLE	2.310
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	229000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	134000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	4470.000
MEC6H5	<1.210
MG	31800.000
MIBK	<12.900
MXYLEN	<1.350
NA	165000.000
NIT	9060.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	333000.000
T12DCE	1.260
TCLEE	3.950
TRCLE	5.130
XYLEN	<2.470
ZN	<20.100

WELL 37360
AQUIFER: ALLUVIUM
SCREENED INT.: 26.4-101.9
BEDROCK DEPTH: 101.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	137000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	62200.000
CL6CP	<0.070
CLC6H5	7.520
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2920.000
MEC6H5	<1.210
MG	14900.000
MIBK	<12.900
MXYLEN	<1.350
NA	71900.000
NIT	8900.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	132000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37361
AQUIFER: ALLUVIUM
SCREENED INT.: 21.7- 92.3
BEDROCK DEPTH: 92.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	1.530
CA	120000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	62300.000
CL6CP	<0.070
CLC6H5	7.760
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2000.000
MEC6H5	<1.210
MG	15600.000
MIBK	<12.900
MXYLEN	<1.350
NA	81100.000
NIT	7890.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	143000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	22.800

WELL 37362
AQUIFER: ALLUVIUM
SCREENED INT.: 34.5- 45.2
BEDROCK DEPTH: 42.5
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	158000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	234000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1770.000
HG	<0.240
ISODR	<0.060
K	2460.000
MEC6H5	<1.210
MG	53800.000
MIBK	<12.900
MXYLEN	<1.350
NA	314000.000
NIT	1700.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	449000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	55.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37363
AQUIFER: ALLUVIUM
SCREENED INT.: 6.9- 32.2
BEDROCK DEPTH: 32.1
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	105000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	98600.000
CL6CP	<0.070
CLC6H5	9.420
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	2460.000
MEC6H5	<1.210
MG	23600.000
MIBK	<12.900
MXYLEN	<1.350
NA	111000.000
NIT	870.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	180000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WELL 37364*
AQUIFER: ALLUVIUM
SCREENED INT.: 6.8- 27.3
BEDROCK DEPTH: 28.9
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	6.200
BTZ	<2.000
C6H6	<1.340
CA	36200.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	31800.000
CL6CP	<0.070
CLC6H5	4.690
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1200.000
HG	<0.240
ISODR	<0.060
K	4160.000
MEC6H5	<1.210
MG	7410.000
MIBK	<12.900
MXYLEN	<1.350
NA	57400.000
NIT	1280.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	70100.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37366
AQUIFER: ALLUVIUM
SCREENED INT.: 2.2- 17.2
BEDROCK DEPTH: 20.0
BEDROCK LITH.: SS
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	137000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	45200.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	0.072
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.240
ISODR	<0.060
K	3850.000
MEC6H5	<1.210
MG	25600.000
MIBK	<12.900
MXYLEN	<1.350
NA	127000.000
NIT	7240.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	106000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	72.000

WELL 37367
AQUIFER: ALLUVIUM
SCREENED INT.: 11.5- 38.4
BEDROCK DEPTH: 38.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	2.920
CA	158000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	127.000
CL	201000.000
CL6CP	<0.083
CLC6H5	9.230
CLDAN	<0.152
CPMS	4.160
CPMSO	113.000
CPMSO2	4.310
CR	<5.960
CU	<7.940
DBCP	2.570
DCPD	<9.310
DIMP	397.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2050.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	50900.000
MIBK	<12.900
MXYLEN	<1.040
NA	265000.000
NIT	2820.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	578000.000
T12DCE	<1.750
TCLEE	35.800
TRCLE	4.100
XYLEN	<1.340
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37368
AQUIFER: ALLUVIUM
SCREENED INT.: 18.1- 34.3
BEDROCK DEPTH: 34.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.560
BTZ	<1.140
C6H6	2.630
CA	367000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	29.900
CL	690000.000
CL6CP	<0.083
CLC6H5	11.500
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.430
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	1.110
DCPD	<9.310
DIMP	55.700
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2580.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	96500.000
MIBK	<12.900
MXYLEN	<1.040
NA	384000.000
NIT	9020.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	784000.000
T12DCE	<1.750
TCLEE	16.000
TRCLE	1.930
XYLEN	<1.340
ZN	<20.100

WELL 37369
AQUIFER: ALLUVIUM
SCREENED INT.: 4.1- 25.2
BEDROCK DEPTH: 25.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	3.000
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	210000.000
CL6CP	<0.083
CLC6H5	8.880
CLDAN	<0.152
CPMS	<1.080
CPMSO	8.590
CPMSO2	4.110
CR	.
CU	.
DBCP	<0.130
DCPD	59.400
DIMP	251.000
DITH	<3.340
DLDRN	0.333
DMDS	<1.160
DMMP	<76.000
ENDRN	0.428
ETC6H5	<0.620
FL	2690.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	391000.000
T12DCE	<1.750
TCLEE	8.960
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37370
AQUIFER: ALLUVIUM
SCREENED INT.: 4.4- 25.8
BEDROCK DEPTH: 25.8
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.720
BTZ	<1.140
C6H6	8.430
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	568000.000
CL6CP	<0.083
CLC6H5	27.300
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	278.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<76.000
ENDRN	<0.060
ETC6H5	<0.620
FL	2550.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	899000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.650
XYLEN	<1.340
ZN	.

WELL 37371
AQUIFER: DENVER
SCREENED INT.: 28.3- 39.0
BEDROCK DEPTH: 26.0
BEDROCK LITH.:
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	231000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	467000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	1100.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2590.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	61900.000
MIBK	<12.900
MXYLEN	<1.040
NA	428000.000
NIT	838.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	700000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37372
AQUIFER: DENVER
SCREENED INT.: 61.5- 88.5
BEDROCK DEPTH: 26.0
BEDROCK LITH.:
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	10.300
CA	.
CCL4	<1.690
CD	.
CH2CL2	.
CHCL3	<1.880
CL	57800.000
CL6CP	<0.083
CLC6H5	42.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	0.207
DCPD	<9.310
DIMP	.
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	2350.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	370000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	2.830
XYLEN	<1.340
ZN	.

WELL 37373
AQUIFER: ALLUVIUM
SCREENED INT.: 4.3- 25.7
BEDROCK DEPTH: 25.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	18.200
ALDRN	<0.083
AS	3.650
BTZ	<1.140
C6H6	<1.920
CA	329000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	744000.000
CL6CP	<0.083
CLC6H5	3.560
CLDAN	<0.152
CPMS	<1.080
CPMSO	4.090
CPMSO2	16.100
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	430.000
DIMP	.
DITH	19.300
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	2620.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	108000.000
MIBK	<12.900
MXYLEN	<1.040
NA	589000.000
NIT	59.600
OXAT	5.100
PB	<18.600
PPDDE	0.113
PPDDT	0.110
SO4	921000.000
T12DCE	<1.750
TCLEE	15.700
TRCLE	3.570
XYLEN	<1.340
ZN	29.800

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37374
AQUIFER: ALLUVIUM
SCREENED INT.: 8.7- 24.9
BEDROCK DEPTH: 26.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.790
BTZ	<1.140
C6H6	2.680
CA	557000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	2.930
CL	386000.000
CL6CP	<0.083
CLC6H5	13.300
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	445.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	4170.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	160000.000
MIBK	<12.900
MXYLEN	<1.040
NA	754000.000
NIT	938.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2140000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	<20.100

WELL 37376
AQUIFER: DENVER
SCREENED INT.: 40.3- 51.0
BEDROCK DEPTH: 31.0
BEDROCK LITH.:
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	3.640
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	14800.000
CL6CP	<0.083
CLC6H5	33.000
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	192000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.380
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37377
AQUIFER: ALLUVIUM
SCREENED INT.: 22.7- 38.9
BEDROCK DEPTH: 39.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	5.800
CA	151000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	2.250
CL	165000.000
CL6CP	<0.083
CLC6H5	22.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.070
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	63.100
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2340.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	56900.000
MIBK	<12.900
MXYLEN	<1.040
NA	229000.000
NIT	697.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	506000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.710
XYLEN	<1.340
ZN	29.400

WELL 37378
AQUIFER: ALLUVIUM
SCREENED INT.: 23.8- 34.7
BEDROCK DEPTH: 35.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	2.680
BTZ	<1.140
C6H6	3.140
CA	113000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	104000.000
CL6CP	<0.083
CLC6H5	12.600
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	0.073
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1360.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	36800.000
MIBK	<12.900
MXYLEN	<1.040
NA	173000.000
NIT	1350.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	327000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37379
AQUIFER: DENVER
SCREENED INT.: 39.3- 55.5
BEDROCK DEPTH: 27.0
BEDROCK LITH.:
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	5.760
CA	272000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	418000.000
CL6CP	<0.083
CLC6H5	17.800
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	47.100
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	3000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	41900.000
MIBK	<12.900
MXYLEN	<1.040
NA	729000.000
NIT	2070.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1450000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.370
XYLEN	<1.340
ZN	210.000

WELL 37380
AQUIFER: DENVER
SCREENED INT.: 64.3- 75.0
BEDROCK DEPTH: 27.0
BEDROCK LITH.:
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	3.650
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	412000.000
CL6CP	<0.083
CLC6H5	15.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	0.191
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2100.000
HG	<0.359
ISODR	<0.056
K	5580.000
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1100000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37381
AQUIFER: ALLUVIUM
SCREENED INT.: 7.3- 28.5
BEDROCK DEPTH: 28.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	600000.000
CCL4	<1.690
CD	8.580
CH2CL2	<2.480
CHCL3	<1.880
CL	1060000.000
CL6CP	<0.083
CLC6H5	2.680
CLDAN	<0.152
CPMS	<1.080
CPMSO	3.640
CPMSO2	<2.240
CR	52.400
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	3650.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	148000.000
MIBK	<12.900
MXYLEN	<1.040
NA	504000.000
NIT	.
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	1420000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	40.900

WELL 37383
AQUIFER: ALLUVIUM
SCREENED INT.: 17.6- 39.0
BEDROCK DEPTH: 50.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	3.170
CA	162000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	<1.880
CL	131000.000
CL6CP	<0.083
CLC6H5	11.400
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	51.300
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	1580.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	49900.000
MIBK	<12.900
MXYLEN	<1.040
NA	233000.000
NIT	2230.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	570000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	<20.100

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37387
AQUIFER: DENVER
SCREENED INT.: 36.8- 42.6
BEDROCK DEPTH: 17.0
BEDROCK LITH.:
SCREENED ZONE: 2

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	73.800
CA	206000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	8.620
CL	303000.000
CL6CP	<0.083
CLC6H5	74.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	8.140
CU	<7.940
DBCP	0.779
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	1.320
FL	3220.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	35600.000
MIBK	<12.900
MXYLEN	1.370
NA	1170000.000
NIT	17200.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	2350000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	8.680
XYLEN	3.600
ZN	<20.100

WELL 37388
AQUIFER: DENVER
SCREENED INT.: 69.8- 86.0
BEDROCK DEPTH: 17.0
BEDROCK LITH.:
SCREENED ZONE: 4

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	10.100
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	403000.000
CL6CP	<0.083
CLC6H5	32.800
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.230
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2650.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	1580000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	1.830
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37389
AQUIFER: ALLUVIUM
SCREENED INT.: 8.4- 35.2
BEDROCK DEPTH: 23.5
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	<1.920
CA	141000.000
CCL4	<1.690
CD	<5.160
CH2CL2	<2.480
CHCL3	56.500
CL	217000.000
CL6CP	<0.083
CLC6H5	2.740
CLDAN	<0.152
CPMS	<1.080
CPMSO	9.520
CPMSO2	5.490
CR	<5.960
CU	<7.940
DBCP	0.400
DCPD	<9.310
DIMP	343.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<15.200
ENDRN	<0.060
ETC6H5	<0.620
FL	2190.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	53800.000
MIBK	<12.900
MXYLEN	<1.040
NA	219000.000
NIT	163.000
OXAT	<1.350
PB	<18.600
PPDDE	<0.046
PPDDT	<0.059
SO4	405000.000
T12DCE	<1.750
TCLEE	28.500
TRCLE	<1.310
XYLEN	<1.340
ZN	21.200

WELL 37390
AQUIFER: DENVER
SCREENED INT.: 40.1- 46.0
BEDROCK DEPTH: 23.5
BEDROCK LITH.:
SCREENED ZONE: 3

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	<2.500
BTZ	<1.140
C6H6	8.500
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	<1.880
CL	55700.000
CL6CP	<0.083
CLC6H5	23.700
CLDAN	<0.152
CPMS	<1.080
CPMSO	<1.980
CPMSO2	<2.240
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	.
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	.
ENDRN	<0.060
ETC6H5	<0.620
FL	<1000.000
HG	.
ISODR	<0.056
K	.
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	242000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	<1.340
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL 37391
AQUIFER: ALLUVIUM
SCREENED INT.: 19.7- 41.1
BEDROCK DEPTH: 40.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	2.260
ALDRN	<0.083
AS	3.320
BTZ	<1.140
C6H6	<1.920
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	79.300
CL	390000.000
CL6CP	<0.083
CLC6H5	<1.360
CLDAN	<0.152
CPMS	3.260
CPMSO	148.000
CPMSO2	5.920
CR	.
CU	.
DBCP	4.690
DCPD	<9.310
DIMP	> 2030.000
DITH	<3.340
DLDRN	<0.054
DMDS	<1.160
DMMP	<16.300
ENDRN	<0.060
ETC6H5	<0.620
FL	2070.000
HG	<0.500
ISODR	<0.056
K	4840.000
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	<1.040
NA	.
NIT	.
OXAT	<1.350
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	174000.000
T12DCE	<1.750
TCLEE	92.000
TRCLE	2.200
XYLEN	<1.340
ZN	.

WELL 37392
AQUIFER: ALLUVIUM
SCREENED INT.: 13.2- 29.4
BEDROCK DEPTH: 28.1
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.090
112TCE	<1.630
11DCE	<1.850
11DCLE	<1.930
12DCLE	<2.070
ALDRN	<0.083
AS	.
BTZ	.
C6H6	15.100
CA	.
CCL4	<1.690
CD	.
CH2CL2	<2.480
CHCL3	115.000
CL	112000.000
CL6CP	<0.203
CLC6H5	8.410
CLDAN	<0.152
CPMS	0.675
CPMSO	.
CPMSO2	4.490
CR	.
CU	.
DBCP	<0.130
DCPD	<9.310
DIMP	29.000
DITH	1.250
DLDRN	0.095
DMDS	.
DMMP	<16.300
ENDRN	0.234
ETC6H5	1.420
FL	1980.000
HG	<0.500
ISODR	<0.056
K	2910.000
MEC6H5	<2.100
MG	.
MIBK	<12.900
MXYLEN	1.140
NA	.
NIT	.
OXAT	.
PB	.
PPDDE	<0.046
PPDDT	<0.059
SO4	427000.000
T12DCE	<1.750
TCLEE	<2.760
TRCLE	<1.310
XYLEN	1.940
ZN	.

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL BOLLER
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	198000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	18.400
CL	177000.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	10.100
CR	<5.960
CU	<7.940
DBCP	0.187
DCPD	<9.310
DIMP	133.000
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1280.000
HG	<0.480
ISODR	<0.060
K	2150.000
MEC6H5	<1.210
MG	55500.000
MIBK	<12.900
MXYLEN	<1.350
NA	281000.000
NIT	2780.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	615000.000
T12DCE	<1.200
TCLEE	5.720
TRCLE	1.250
XYLEN	<2.470
ZN	131.000

WELL CIII
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 58.0
BEDROCK LITH.: SH
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	167000.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	91700.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.480
ISODR	<0.060
K	2610.000
MEC6H5	<1.210
MG	17800.000
MIBK	<12.900
MXYLEN	<1.350
NA	89300.000
NIT	9440.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	197000.000
T12DCE	<1.200
TCLEE	1.830
TRCLE	5.410
XYLEN	<2.470
ZN	66.900

WRIR WATER CHEMISTRY SUMMARY, 3RD QUARTER, FY87

WELL XII
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	91600.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	72800.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	18.900
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	<1220.000
HG	<0.480
ISODR	<0.060
K	1840.000
MEC6H5	<1.210
MG	24100.000
MIBK	<12.900
MXYLEN	<1.350
NA	108000.000
NIT	3740.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	130000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	49.200

WELL XXIA
AQUIFER: ALLUVIUM
SCREENED INT.: 0.0- 0.0
BEDROCK DEPTH: 0.0
BEDROCK LITH.:
SCREENED ZONE: ALLUVIUM

COMPOUND	CONCENTRATION
111TCE	<1.700
112TCE	<1.000
11DCE	<1.100
11DCLE	<1.200
12DCLE	<0.610
ALDRN	<0.070
AS	<3.070
BTZ	<2.000
C6H6	<1.340
CA	83800.000
CCL4	<2.400
CD	<5.160
CH2CL2	<5.000
CHCL3	<1.400
CL	60300.000
CL6CP	<0.070
CLC6H5	<0.580
CLDAN	.
CPMS	<1.300
CPMSO	<4.200
CPMSO2	<4.700
CR	<5.960
CU	<7.940
DBCP	<0.130
DCPD	<9.310
DIMP	<10.500
DITH	<1.100
DLDRN	<0.060
DMDS	<1.800
DMMP	<15.200
ENDRN	<0.052
ETC6H5	<1.280
FL	1320.000
HG	<0.480
ISODR	<0.060
K	1690.000
MEC6H5	<1.210
MG	23000.000
MIBK	<12.900
MXYLEN	<1.350
NA	91300.000
NIT	3450.000
OXAT	<2.000
PB	<18.600
PPDDE	<0.053
PPDDT	<0.070
SO4	115000.000
T12DCE	<1.200
TCLEE	<1.300
TRCLE	<1.100
XYLEN	<2.470
ZN	161.000

APPENDIX D.2: EPA CHEMISTRY DATA

EPA WATER CHEMISTRY SUMMARY

WELL:EPA001 EPA LOCID:198DW001001 SAMPLE DATE:12/16/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA004 EPA LOCID:198DW004001 SAMPLE DATE:12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	9.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	68.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA005 LOCID:198DW005001 SAMPLE DATE:12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA006 EPA LOCID:198DW006001 SAMPLE DATE:12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	12.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA007 EPA LOCID:198DW007001 SAMPLE DATE:12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	10.00
CCL4	< 5.00
TRCLE	55.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	12.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DIMP	< 1.00
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA008 EPA LOCID:198DW008001 SAMPLE DATE:12/17/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	10.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	92.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
CL6CP	<10.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
DBCP	< 0.004

EPA WATER CHEMISTRY SUMMARY

WELL:EPA011 EPA LOCID:198DW011001 SAMPLE DATE:12/18/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	7.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010 EPA LOCID:198DW010001 SAMPLE DATE:12/18/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	10.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	58.00
CCL4	< 5.00
TRCLE	55.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	15.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA013 EPA LOCID:198DW013001 SAMPLE DATE:12/18/85

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA017 EPA LOCID:198DW017001 SAMPLE DATE:12/19/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 0.50
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA019 EPA LOCID:198DW019001 SAMPLE DATE:12/19/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	7.00
T12DCE	6.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	8.00
CCL4	< 5.00
TRCLE	10.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	8.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	0.089
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA020 EPA LOCID:198DW020001 SAMPLE DATE:12/20/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	7.00
CCL4	< 5.00
TRCLE	12.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	8.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 3.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA021 EPA LOCID:198DW021001 SAMPLE DATE:12/20/85

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<10.00
DIMP	< 5.50
CL6CP	<10.00
DBCP	< 0.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA025 EPA LOCID:198DW025001 SAMPLE DATE:01/13/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA023 EPA LOCID:198DW023001 SAMPLE DATE:01/14/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA024 EPA LOCID:198DW024001 SAMPLE DATE:01/14/86

COMPOUND	CONCENTRATION
CH2CL2	< 8.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA026 EPA LOCID:198DW026001 SAMPLE DATE:01/13/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	9.00
CCL4	< 6.00
TRCLE	39.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	11.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA028 EPA LOCID:198DW028001 SAMPLE DATE:01/13/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	19.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA029 EPA LOCID:198DW029001 SAMPLE DATE:01/13/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA030 EPA LOCID:198DW030001 SAMPLE DATE:01/15/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	7.00
11DCLE	8.00
T12DCE	6.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	11.00
CCL4	6.00
TRCLE	22.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	15.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA031 EPA LOCID:198DW031001 SAMPLE DATE:01/15/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	14.00
T12DCE	9.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	6.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	< 10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA052 EPA LOCID:198DW052001 SAMPLE DATE:01/20/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	7.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
TCLEE	< 285.00
DIMP	< 10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA045 EPA LOCID:198DW045001 SAMPLE DATE:01/17/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	< 10.00
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
CLDAN	< 0.25
CL6CP	< 10.00
DBCP	< 0.11

EPA WATER CHEMISTRY SUMMARY

WELL:EPA046 EPA LOCID:198DW046001 SAMPLE DATE:01/17/86

COMPOUND	CONCENTRATION
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA048 EPA LOCID:198DW048001 SAMPLE DATE:01/17/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	10.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	6.00
CCL4	< 6.00
TRCLE	84.00
112TCE	< 6.00
C6H6	< 5.00
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	< 10.00
CL6CP	< 10.00
DBCP	< 0.11

EPA WATER CHEMISTRY SUMMARY

WELL:EPA047 EPA LOCID:198DW047001 SAMPLE DATE:01/17/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	6.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA051 EPA LOCID:198DW051001 SAMPLE DATE:01/20/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	12.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	10.00
CCL4	< 6.00
TRCLE	88.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	9.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25
CL6CP	<10.00
DBCP	< 0.11
TCLEE	<276.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA032 EPA LOCID:198DW032001 SAMPLE DATE:01/15/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	13.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA033 EPA LOCID:198DW033001 SAMPLE DATE:01/14/86

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 6.00
TRCLE	6.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA034 EPA LOCID:198DW034001 SAMPLE DATE:01/14/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	7.00
CCL4	< 6.00
TRCLE	8.00
112TCE	6.00
C6H6	< 1.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA035 EPA LOCID:198DW035001 SAMPLE DATE:01/16/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	9.00
11DCLE	10.00
T12DCE	13.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	20.00
CCL4	< 6.00
TRCLE	23.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	17.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	<12.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA036 EPA LOCID:198DW036001 SAMPLE DATE:01/16/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	11.00
11DCLE	10.00
T12DCE	15.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	26.00
CCL4	< 6.00
TRCLE	91.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	15.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 9.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.01
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA037 EPA LOCID:198DW037001 SAMPLE DATE:01/16/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	9.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	48.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 2.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.02
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA038 EPA LOCID:198DW038001 SAMPLE DATE:01/16/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	0.02
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA053 EPA LOCID:198DW053001 SAMPLE DATE:01/20/86

COMPOUND	CONCENTRATION
CH2CL2	< 6.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 6.00
CCL4	11.00
TRCLE	< 5.00
112TCE	< 6.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
DIMP	<10.00
CL6CP	<10.00
DBCP	< 0.11
ALDRN	< 0.01
DLDRN	< 0.10
PPDDE	< 0.01
ENDRN	< 0.01
PPDDT	< 0.02
CLDAN	< 0.25

EPA WATER CHEMISTRY SUMMARY

WELL:EPA076 EPA LOCID:198DW076001 SAMPLE DATE:06/05/86

COMPOUND	CONCENTRATION
CH2CL2	< 3.00
11DCE	11.00
11DCLE	11.00
T12DCE	16.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	25.00
CCL4	< 5.00
TRCLE	110.00
112TCF	< 5.00
C6H6	< 5.00
TCLEE	21.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA055 EPA LOCID:198DW055001 SAMPLE DATE:05/30/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	7.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA056 EPA LOCID:198DW056001 SAMPLE DATE:05/30/86

COMPOUND	CONCENTRATION
CH2CL2	< 3.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	34.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA058 EPA LOCID:198DW058001 SAMPLE DATE:06/02/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	9.00
CCL4	< 5.00
TRCLE	33.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	12.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA059 EPA LOCID:198DW059001 SAMPLE DATE:06/02/86

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	8.00
CCL4	< 5.00
TRCLE	15.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	11.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00
CL6CP	<15.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA060 EPA LOCID:198DW060001 SAMPLE DATE:06/20/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	12.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	6.00
CCL4	< 5.00
TRCLE	53.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA062 EPA LOCID:198DW062001 SAMPLE DATE:06/03/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	38.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA063 EPA LOCID:198DW063001 SAMPLE DATE:06/03/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	14.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	120.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA066 EPA LOCID:198DW066001 SAMPLE DATE:06/03/86

COMPOUND	CONCENTRATION
CL6CP	<15.00
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	23.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA068 EPA LOCID:198DW068001 SAMPLE DATE:06/04/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA069 EPA LOCID:198DW069001 SAMPLE DATE:06/04/86

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	6.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA071 EPA LOCID:198DW071001 SAMPLE DATE:06/05/86

COMPOUND	CONCENTRATION
CH2CL2	< 1.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
FPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA072 EPA LOCID:198DW072001 SAMPLE DATE:06/05/86

COMPOUND	CONCENTRATION
CH2CL2	< 1.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	6.00
CCL4	< 5.00
TRCLE	56.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	7.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA073 EPA LOCID:198DW073001 SAMPLE DATE:06/05/86

COMPOUND	CONCENTRATION
CH2CL2	< 2.00
11DCE	7.00
11DCLE	10.00
T12DCE	13.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	17.00
CCL4	< 5.00
TRCLE	16.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	16.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	<123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA067 EPA LOCID:198DW067001 SAMPLE DATE:06/04/86

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 5.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	8.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	< 15.00
ALDRN	< 0.20
DLDRN	< 0.30
PPDDE	< 0.30
ENDRN	< 0.40
PPDDT	< 5.00
CLDAN	< 123.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012M EPA LOCID:198MW012010 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 4.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	6.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010 EPA LOCID:198DW010002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	1.20
11DCLE	10.00
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	95.00
TRCLE	100.00
TCLEE	7.20
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA019 EPA LOCID:198DW019002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	7.00
11DCLE	11.00
T12DCE	< 0.50
CHCL3	1.40
111TCE	14.00
TRCLE	13.00
TCLEE	14.00
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA063 EPA LOCID:198DW063002 SAMPLE DATE:03/02/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	19.00
TCLEE	< 0.50
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA073 EPA LOCID:198DW073002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	6.50
11DCLE	11.00
T12DCE	< 0.50
CHCL3	1.40
111TCE	13.00
TRCLE	12.00
TCLEE	8.80
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA077 EPA LOCID:198DW077001 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	2.80
11DCLE	2.40
T12DCE	< 0.50
CHCL3	0.81
111TCE	6.00
TRCLE	83.00
TCLEE	4.40
C6H6	< 1.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010 EPA LOCID:198DW010003 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
11DCE	1.00
11DCLE	9.40
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	92.00
TRCLE	95.00
TCLEE	6.60
C6H6	< 1.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA008G EPA LOCID:198GW008011 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	0.73
TRCLE	3.00
TCLEE	0.85
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA009G EPA LOCID:198GW009013 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
11DCE	0.66
11DCLE	0.95
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	29.00
TCLEE	1.50
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010G EPA LOCID:198GW010011 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	2.30
TCLEE	1.10
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA011G EPA LOCID:198GW011009 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	< 0.50
TCLEE	< 0.50
C6H6	< 1.00
DIMP	< 2.00
PCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012G EPA LOCID:198G012012 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	0.90
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	35.00
TCLEE	0.60
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014G EPA LOCID:198GW014009 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	8.50
TCLEE	120.00
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015G EPA LOCID:198GW015011 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	1.30
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	< 0.50
TRCLE	12.00
TCLEE	0.56
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA016G EPA LOCID:198GW016010 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
11DCE	1.40
11DCLE	2.00
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	2.80
TRCLE	12.00
TCLEE	3.50
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA005M EPA LOCID:198MW005015 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	0.66
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	1.50
TRCLE	5.50
TCLEE	1.70
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012M EPA LOCID:198MW012010 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	2.80
11DCLE	1.00
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	1.10
TRCLE	6.40
TCLEE	2.10
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA013M EPA LOCID:198MW013012 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	0.61
11DCLE	3.00
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	2.50
TRCLE	4.80
TCLEE	2.30
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014M EPA LOCID:198MW014013 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	0.53
11DCLE	5.10
T12DCE	< 0.50
CHCL3	0.93
111TCE	8.30
TRCLE	12.00
TCLEE	5.70
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M EPA LOCID:198MW015015 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	1.80
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	5.70
TRCLE	8.70
TCLEE	< 0.50
C6H6	< 0.50
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA517M EPA LOCID:198MW517006 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	0.51
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	0.67
TRCLE	< 0.50
TCLEE	< 0.50
C6H6	< 1.00
DIMP	< 2.00
DCPD	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA005M EPA LOCID:198MW005016 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	0.71
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	1.60
TRCLE	5.20
TCLEE	1.50
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012M EPA LOCID:198MW012011 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	2.80
11DCLE	0.89
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	0.58
TRCLE	4.80
TCLEE	1.40
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA013M EPA LOCID:198MW013013 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	0.63
11DCLE	2.90
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	2.40
TRCLE	4.30
TCLEE	2.00
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014M EPA LOCID:198MW014014 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
11DCE	1.80
11DCLE	5.10
T12DCE	< 0.50
CHCL3	0.75
111TCE	8.00
TRCLE	12.00
TCLEE	5.70
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M EPA LOCID:198MW015016 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	1.80
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	5.50
TRCLE	8.80
TCLEE	< 0.50
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M EPA LOCID:198MW015017 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
11DCE	1.80
11DCLE	< 0.50
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	5.70
TRCLE	8.60
TCLEE	< 0.50
C6H6	< 0.50

EPA WATER CHEMISTRY SUMMARY

WELL:EPA517M EPA LOCID:198MW517005 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
11DCE	< 0.50
11DCLE	0.52
T12DCE	< 0.50
CHCL3	< 0.50
111TCE	0.88
TRCLE	< 0.50
TCLEE	< 0.50
C6H6	< 1.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012M EPA LOCID:198MW012010 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
CL6CP	<20.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00
DBCP	< 0.10

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014M EPA LOCID:198MW014013 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	7.00
T12DCE	8.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	12.00
CCL4	< 5.00
TRCLE	16.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	10.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00
DBCP	< 0.10

EPA WATER CHEMISTRY SUMMARY

WELL:EPA005M EPA LOCID:198MW005015 SAMPLE DATE:02/24/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	9.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M EPA LOCID:198MW015015 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
CH2CL2	10.000
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	12.00
CCL4	< 5.00
TRCLE	16.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M EPA LOCID:198MW015017 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	7.00
CCL4	< 5.00
TRCLE	11.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10

EPA WATER CHEMISTRY SUMMARY

WELL:EPA013M EPA LOCID:198MW013012 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
CH2CL2	6.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	8.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA008G EPA LOCID:198GW008011 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA009G EPA LOCID:198GW009013 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	24.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010G EPA LOCID:198GW010011 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA011G EPA LOCID:198GW011009 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA012G EPA LOCID:198GW012012 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	7.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	45.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL EPA016G EPA LOCID:198GW016010 SAMPLE DATE:02/26/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	10.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA014G EPA LOCID:198GW014009 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
CH2CL2	< 7.00
11DCE	< 6.00
11DCLE	< 6.00
T12DCE	< 6.00
CHCL3	< 6.00
12DCLE	< 6.00
111TCE	< 6.00
CCL4	< 6.00
TRCLE	9.00
112TCE	< 6.00
C6H6	< 6.00
TCLEE	110.00
MEC6H4	< 6.00
CLC6H5	< 6.00
ETC6H5	< 6.00
XYLENE	< 6.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
FNDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA015G EPA LOCID:198GW015011 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	19.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA517M EPA LOCID:198MW517005 SAMPLE DATE:02/27/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	< 5.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	< 5.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00
CL6CP	<20.00
DBCP	< 0.10
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA063 EPA LOCID:198DW063002 SAMPLE DATE:03/02/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	8.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	< 5.00
CCL4	< 5.00
TRCLE	19.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	< 5.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA010 EPA LOCID:198DW010002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	12.00
T12DCE	85.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	130.00
CCL4	< 5.00
TRCLE	91.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	10.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA077 EPA LOCID:198DW077001 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	< 6.00
11DCLE	< 5.00
T12DCE	20.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	10.00
CCL4	< 5.00
TRCLE	66.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	6.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA073 EPA LOCID:198DW073002 SAMPLE DATE:03/03/87

COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	8.00
11DCLE	11.00
T12DCE	27.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	23.00
CCL4	< 5.00
TRCLE	16.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	18.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

EPA WATER CHEMISTRY SUMMARY

WELL:EPA019 EPA LOCID:198DW019002 SAMPLE DATE:03/03/87

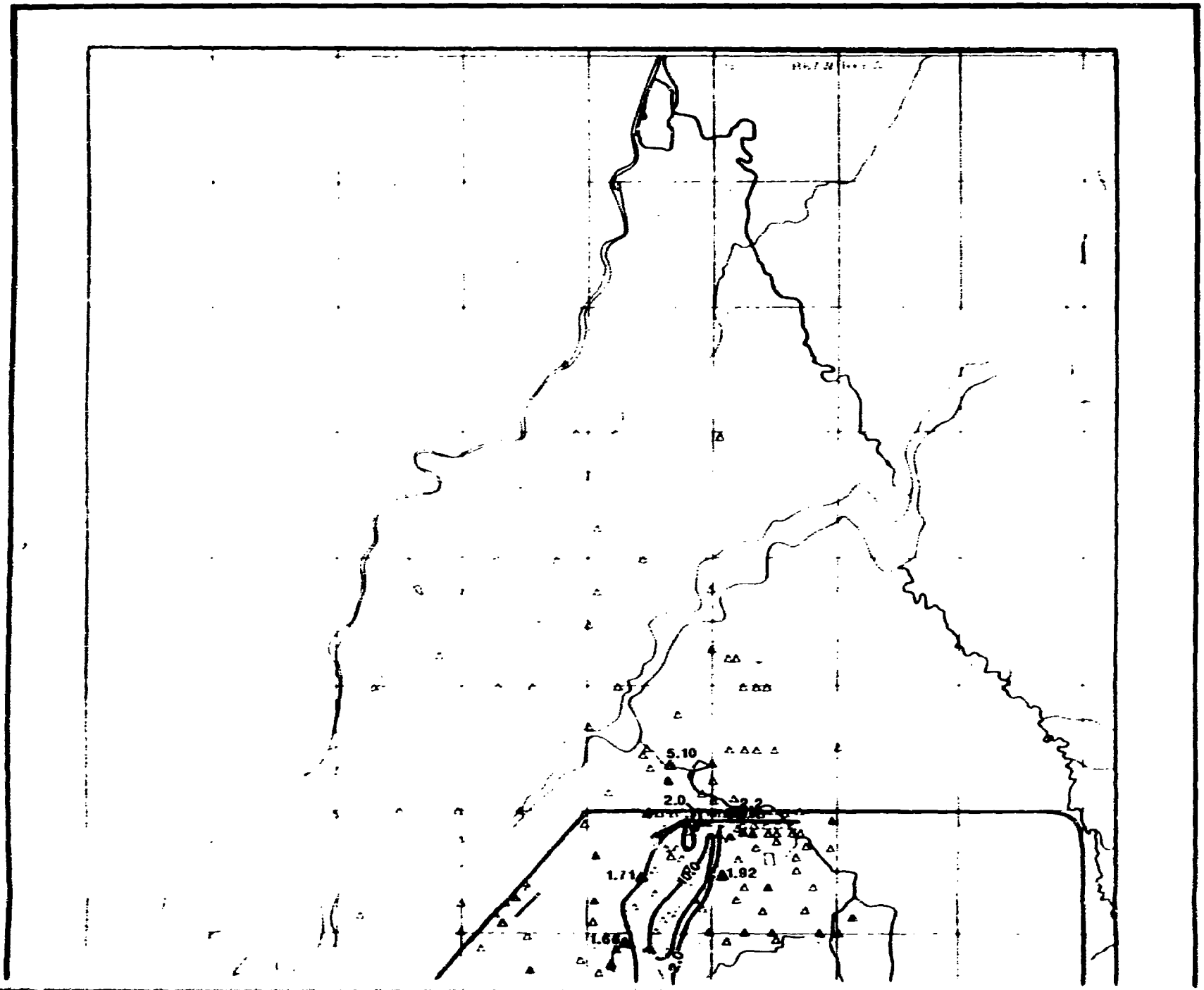
COMPOUND	CONCENTRATION
CH2CL2	< 5.00
11DCE	8.00
11DCLE	12.00
T12DCE	28.00
CHCL3	< 5.00
12DCLE	< 5.00
111TCE	19.00
CCL4	< 5.00
TRCLE	14.00
112TCE	< 5.00
C6H6	< 5.00
TCLEE	16.00
MEC6H4	< 5.00
CLC6H5	< 5.00
ETC6H5	< 5.00
XYLENE	< 5.00

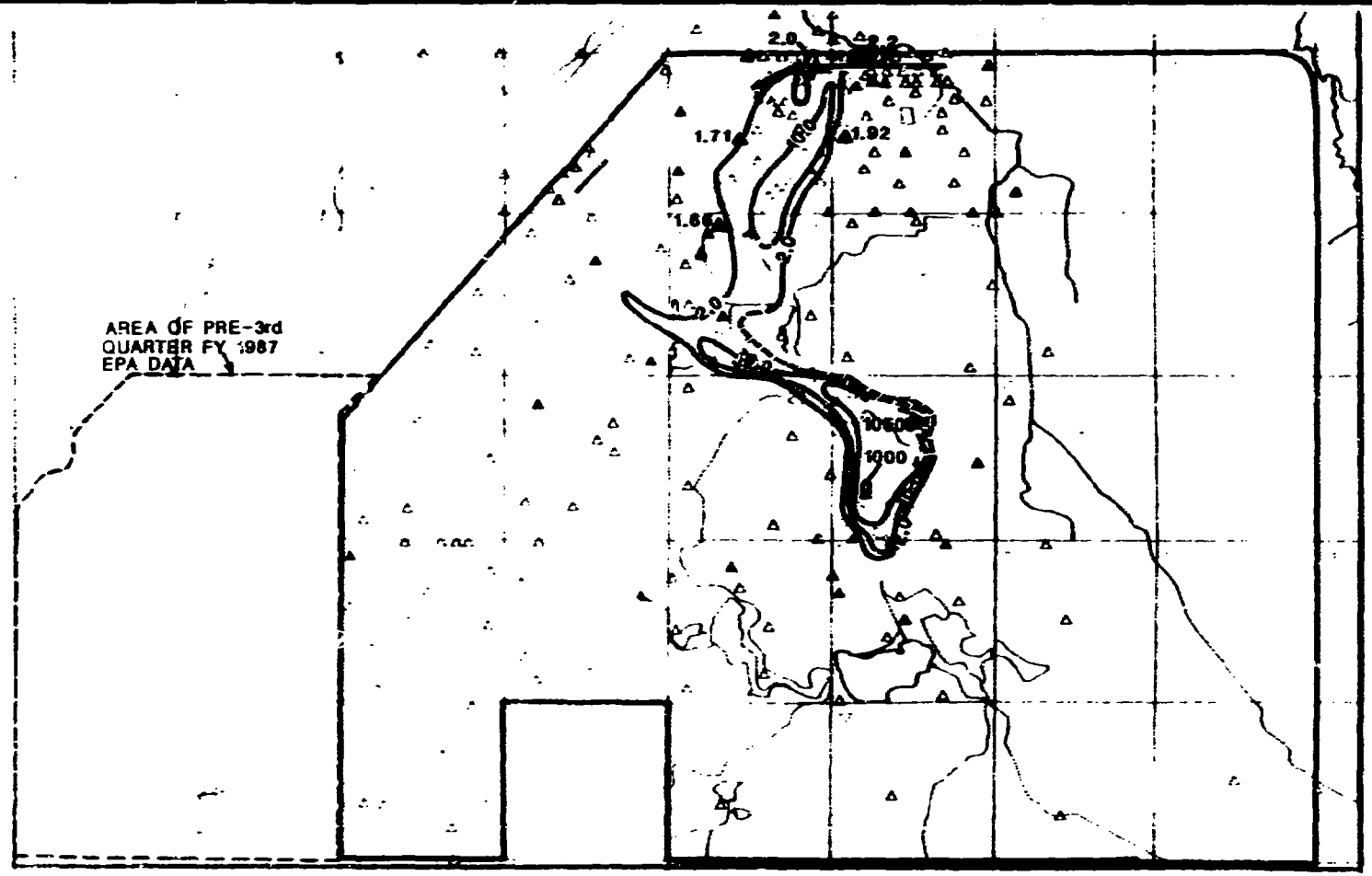
EPA WATER CHEMISTRY SUMMARY

WELL:EPA015M EPA LOCID:198MW015017 SAMPLE DATE:02/25/87

COMPOUND	CONCENTRATION
ALDRN	< 0.05
DLDRN	< 0.10
PPDDE	< 0.10
ENDRN	< 0.10
PPDDT	< 0.10
CLDAN	< 0.50
ISODR	< 0.00

APPENDIX D.3: ALLUVIAL/UNCONFINED PLUME MAPS (D-1 TO D-9)


5.10
2.0
2.2
1.71
1.92
1.65



EXPLANATION

- △ Alluvial Well
- ▲ Unconfined Denver Fm.Well
- Isoconcentration Line, Dashed Where Inferred
- △ 2.65 Isolated Alluvial Detection or Detection Less Than Highest CRL, in ug/l

CI: 2.0 ug/l
10.0 ug/l
50 ug/l
1000 ug/l

N

0 5000
Scale in Feet

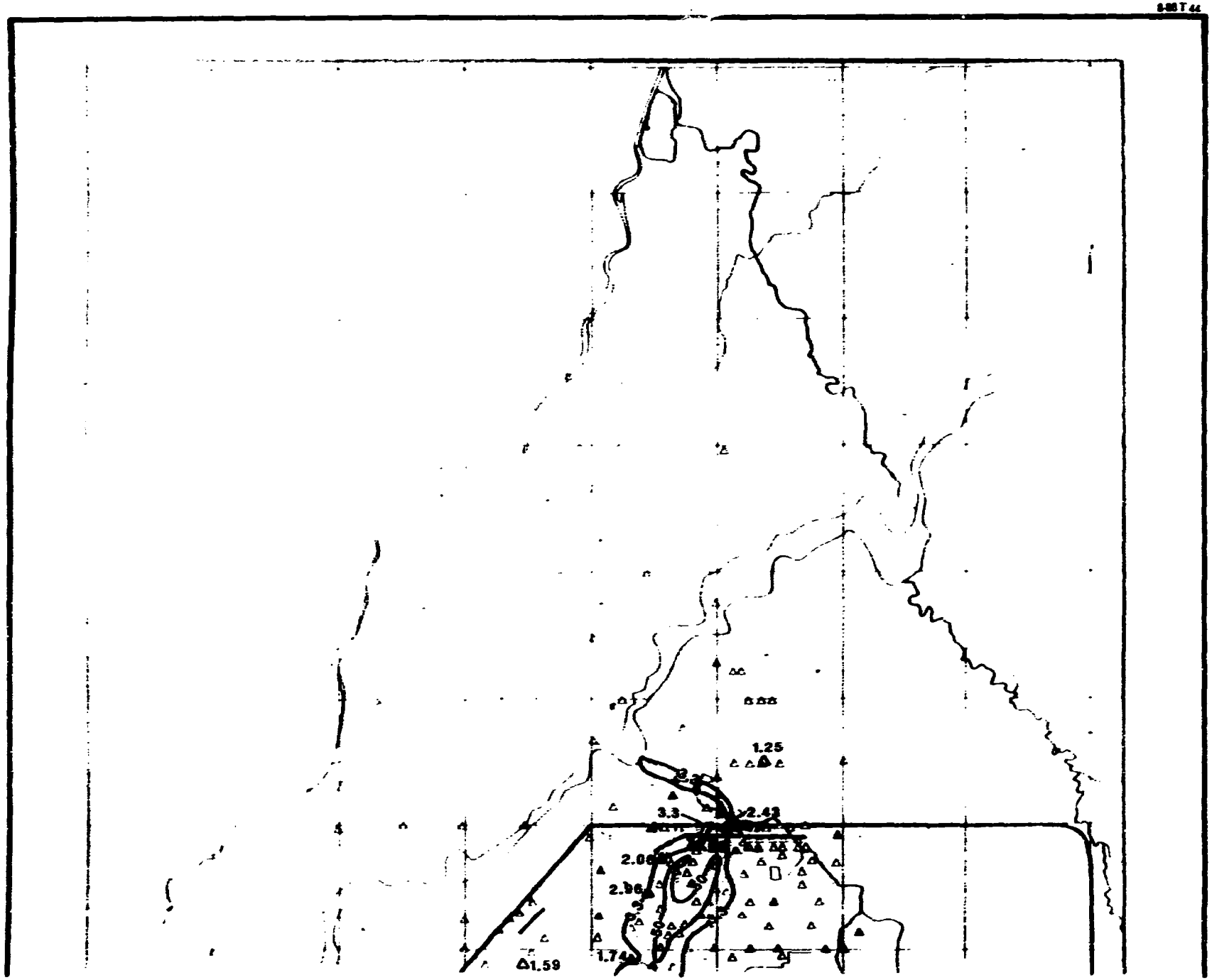
Figure D-1

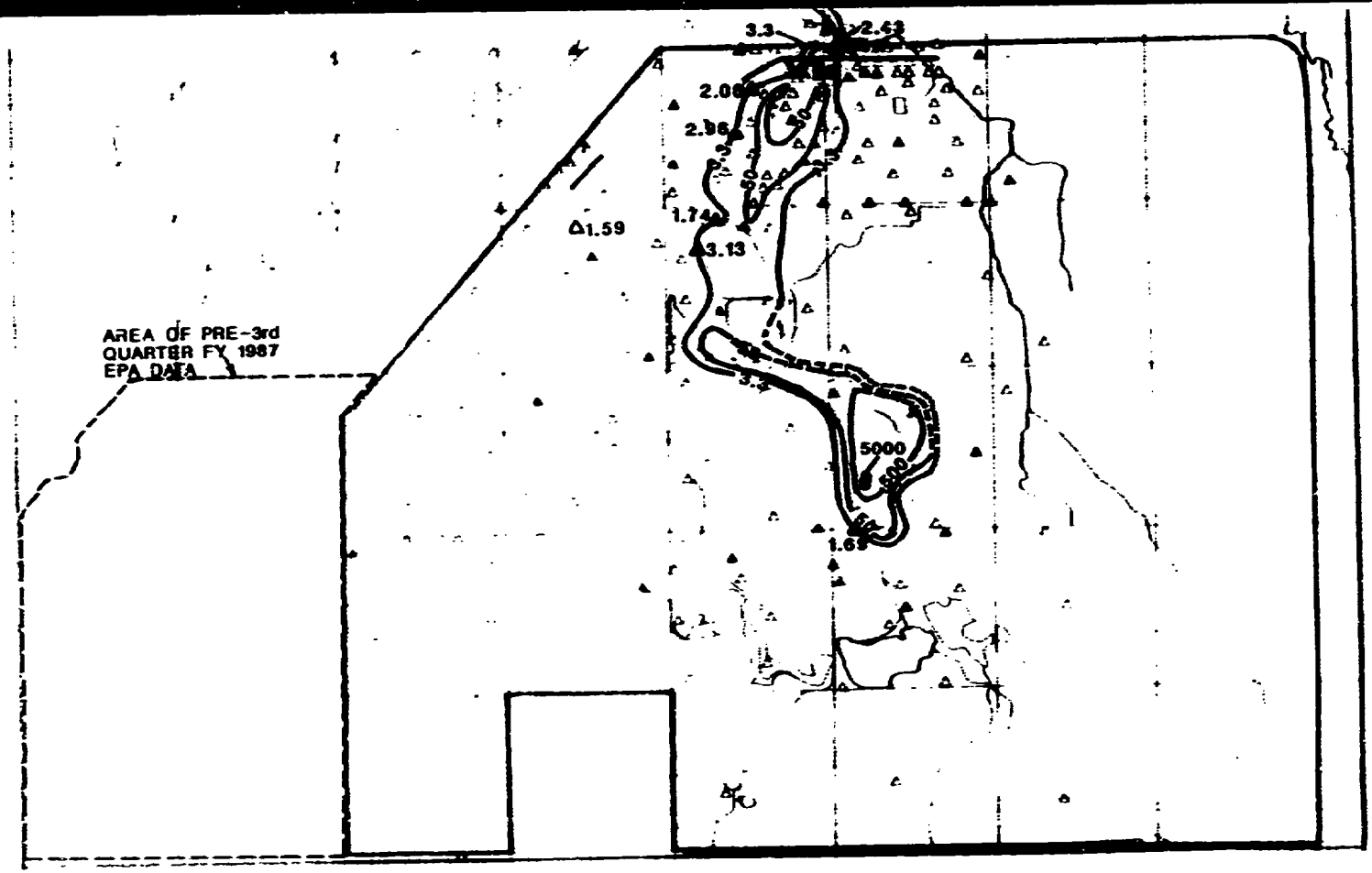
OXATHIANE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: HLA, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


1.25
3.3
2.43
2.06
2.36
1.74
1.59



EXPLANATION

△	Alluvial Well	Cl: 3.3 ug/l
▲	Unconfined Denver Fm.Well	50 ug/l
	Isoconcentration Line, Dashed Where Inferred	500 ug/l
		5000 ug/l
△ 2.65	Isolated Alluvial Detection or Detection Less Than Highest CRL, in ug/l	

N

0 5000

Scale in Feet

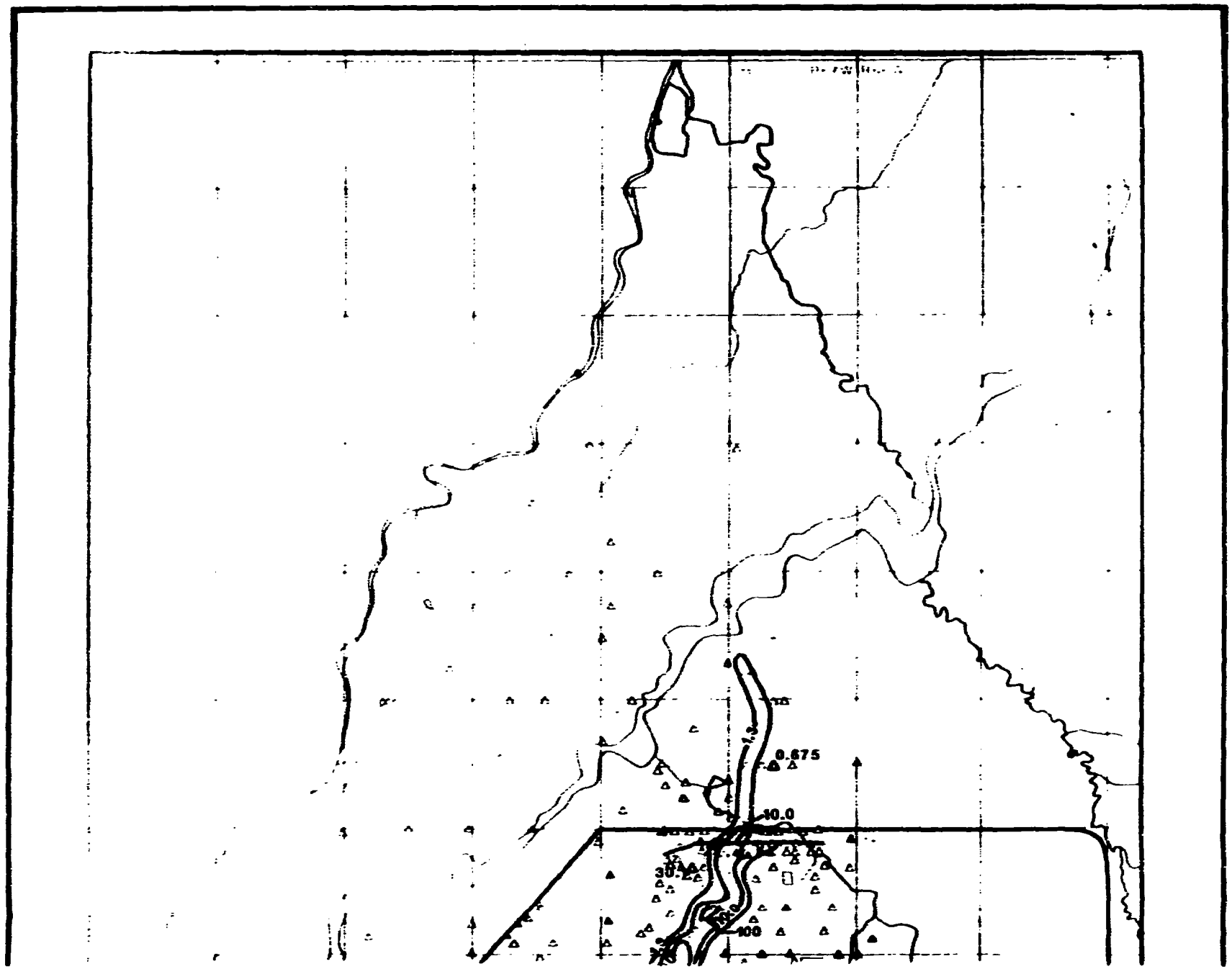
Figure D-2

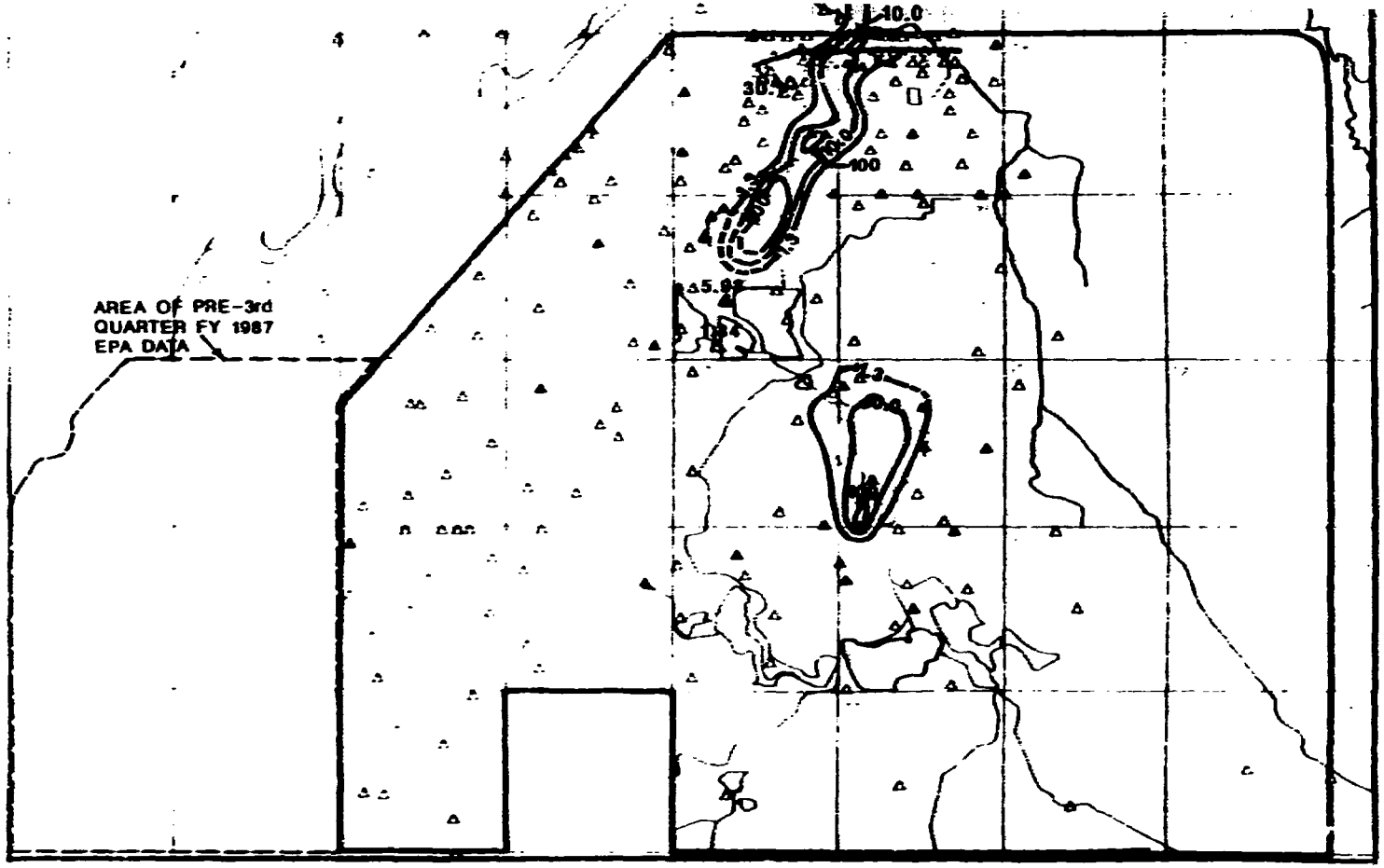
DITHIANE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: HLA, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


0.675
10.0
100



EXPLANATION

- △ Alluvial Well
- ▲ Unconfined Denver Fm. Well
- Isoconcentration Line, Dashed Where Inferred
- △ 2.65 Isolated Alluvial Detection or Detection Less Than Highest CRL, in ug/l

Cl: 1.3 ug/l
10.0 ug/l
100 ug/l

N

0 5000
Scale in Feet

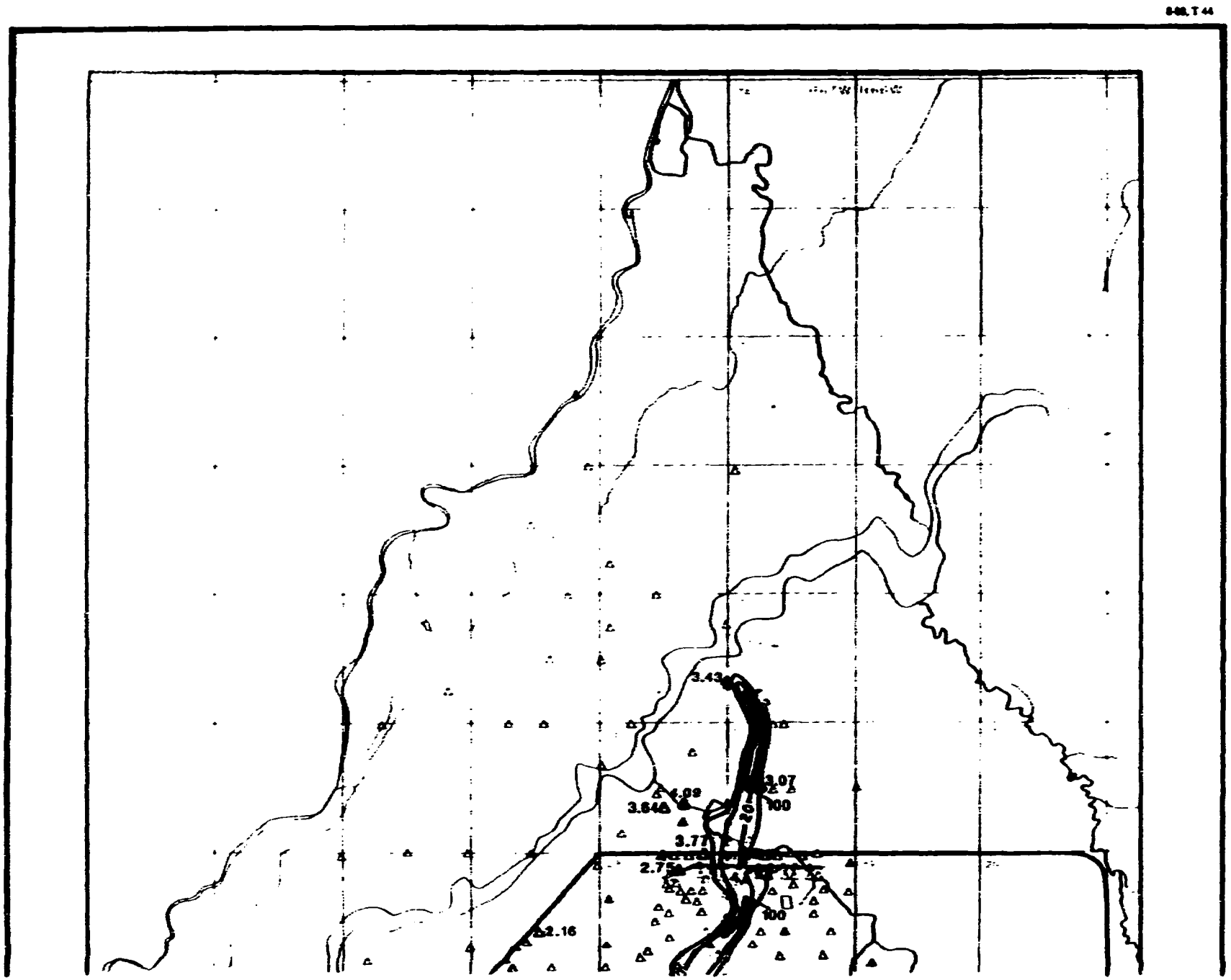
Figure D-3

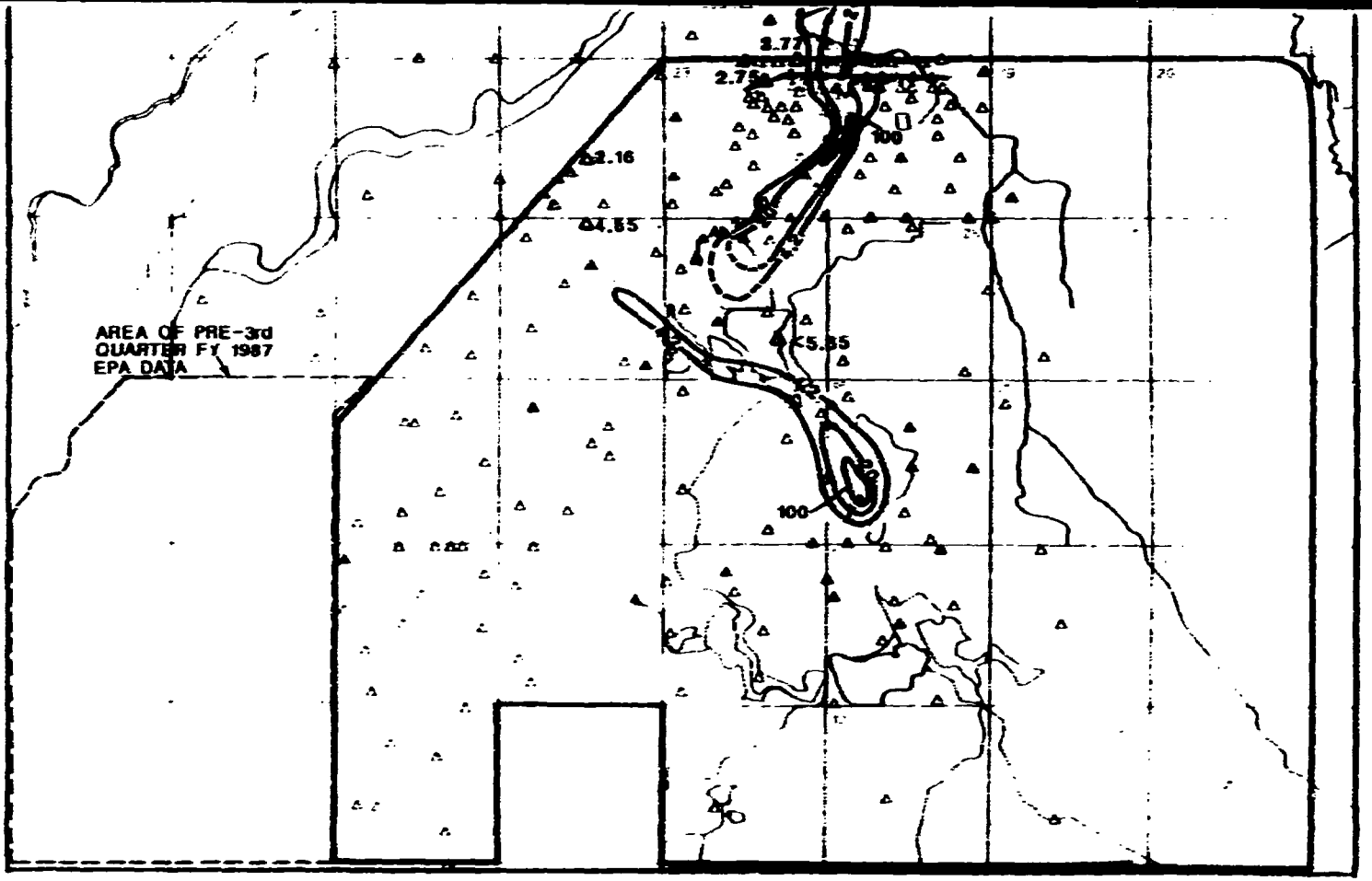
CPMS PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: HLA, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


3.43
3.07
4.09
3.84
100
3.77
2.75
100
2.16



EXPLANATION

- △ Alluvial Well
- ▲ Unconfined Denver Fm.Well
- Isoconcentration Line, Dashed Where Inferred
- △ 2.65 Isolated Alluvial Detection or Detection Less Than Highest CRL, in ug/l

Cl: 4.2 ug/l
20 ug/l
100 ug/l

N

0 5000
Scale in Feet

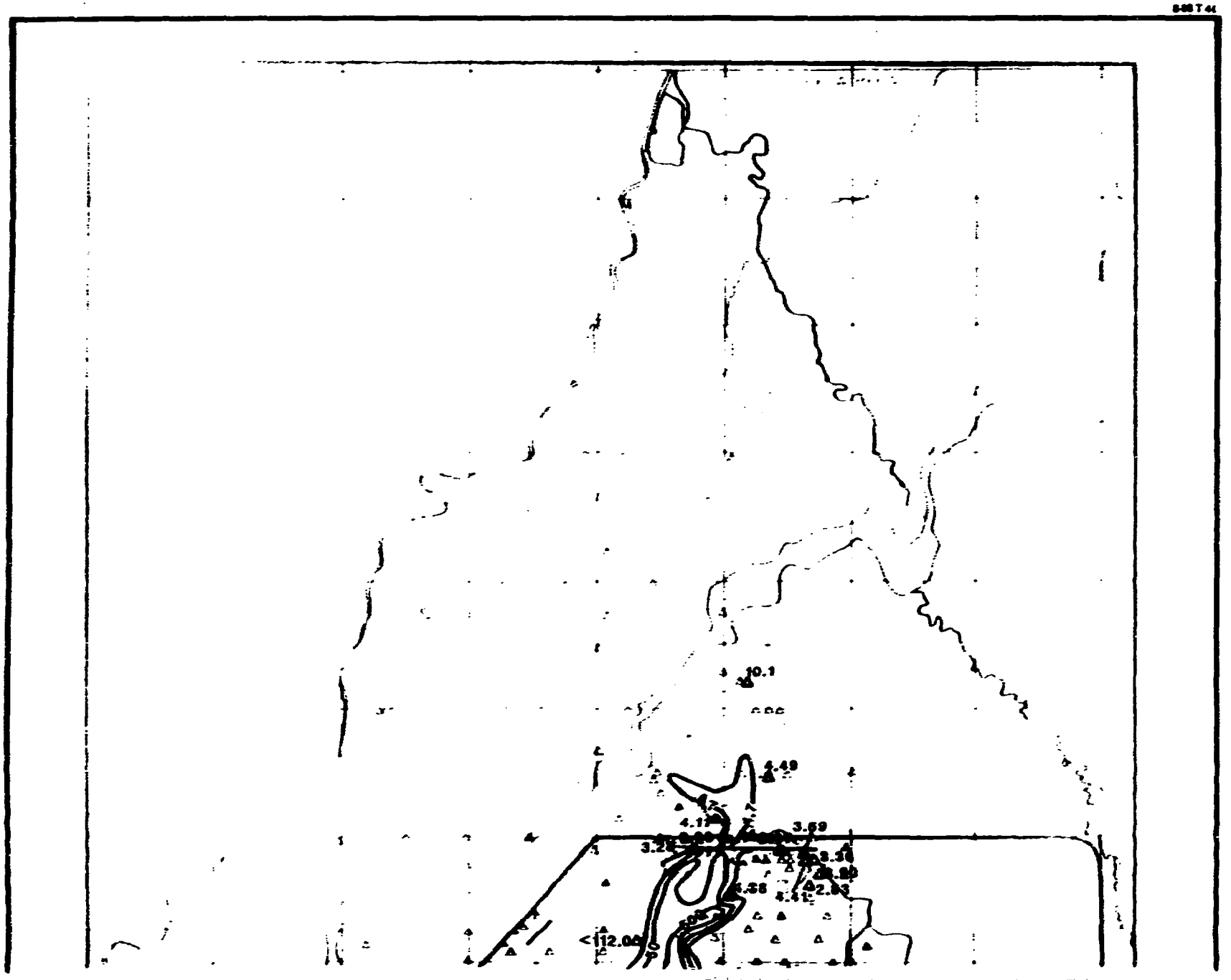
Figure D–4

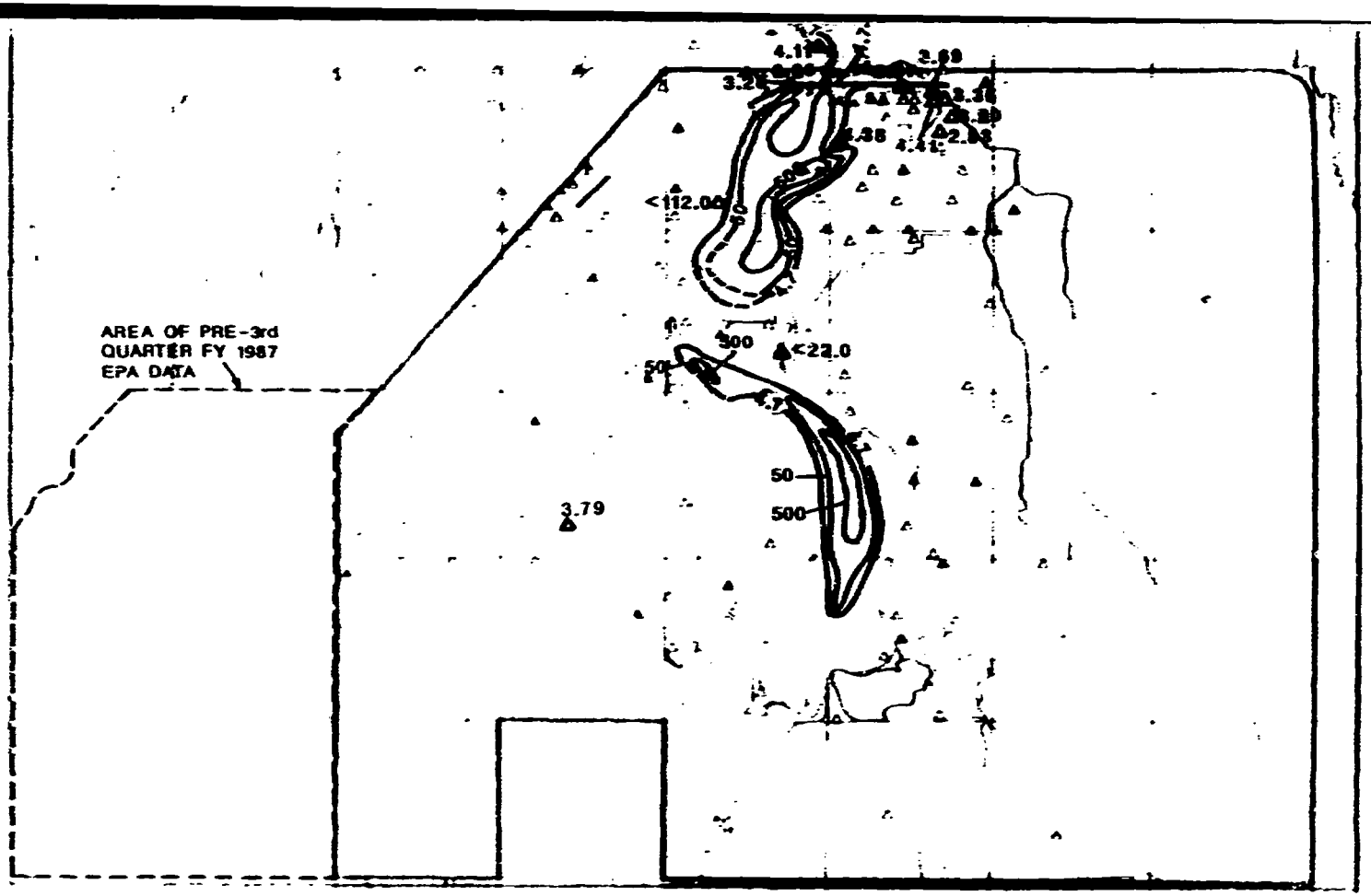
CPMSO PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: HLA, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


10.1
4.49
3.69
3.38
2.83
<12.00



EXPLANATION

- △ Alluvial Well
- ▲ Unconfined Denver Fm.Well
- isoconcentration Line, Dashed Where Inferred
- △ 2.65 Isolated Alluvial Detection or Detection Less Than Highest CRL, in ug/l

Cl: 4.7 ug/l
50 ug/l
500 ug/l

N

0 5000
Scale in Feet

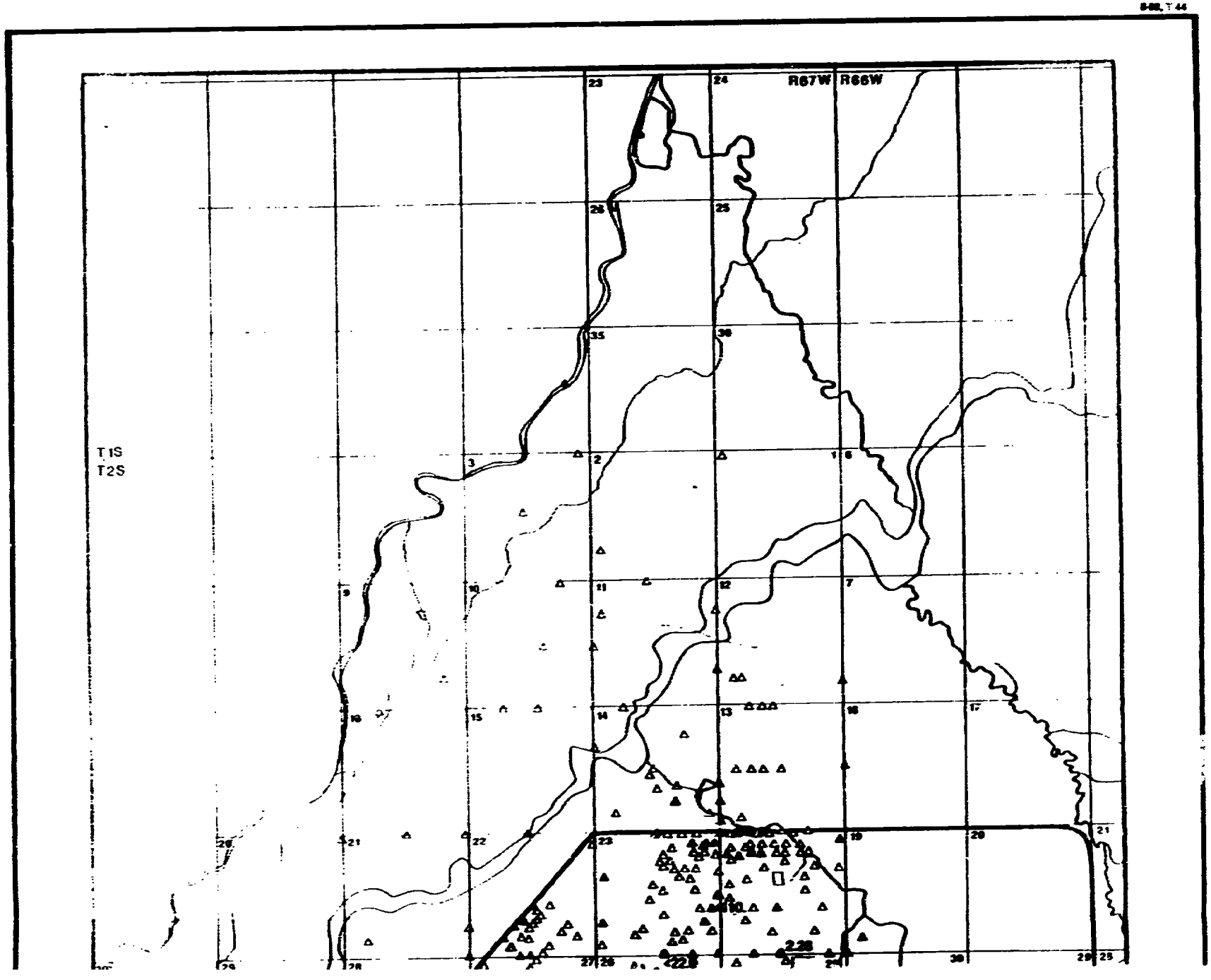
Figure D-5

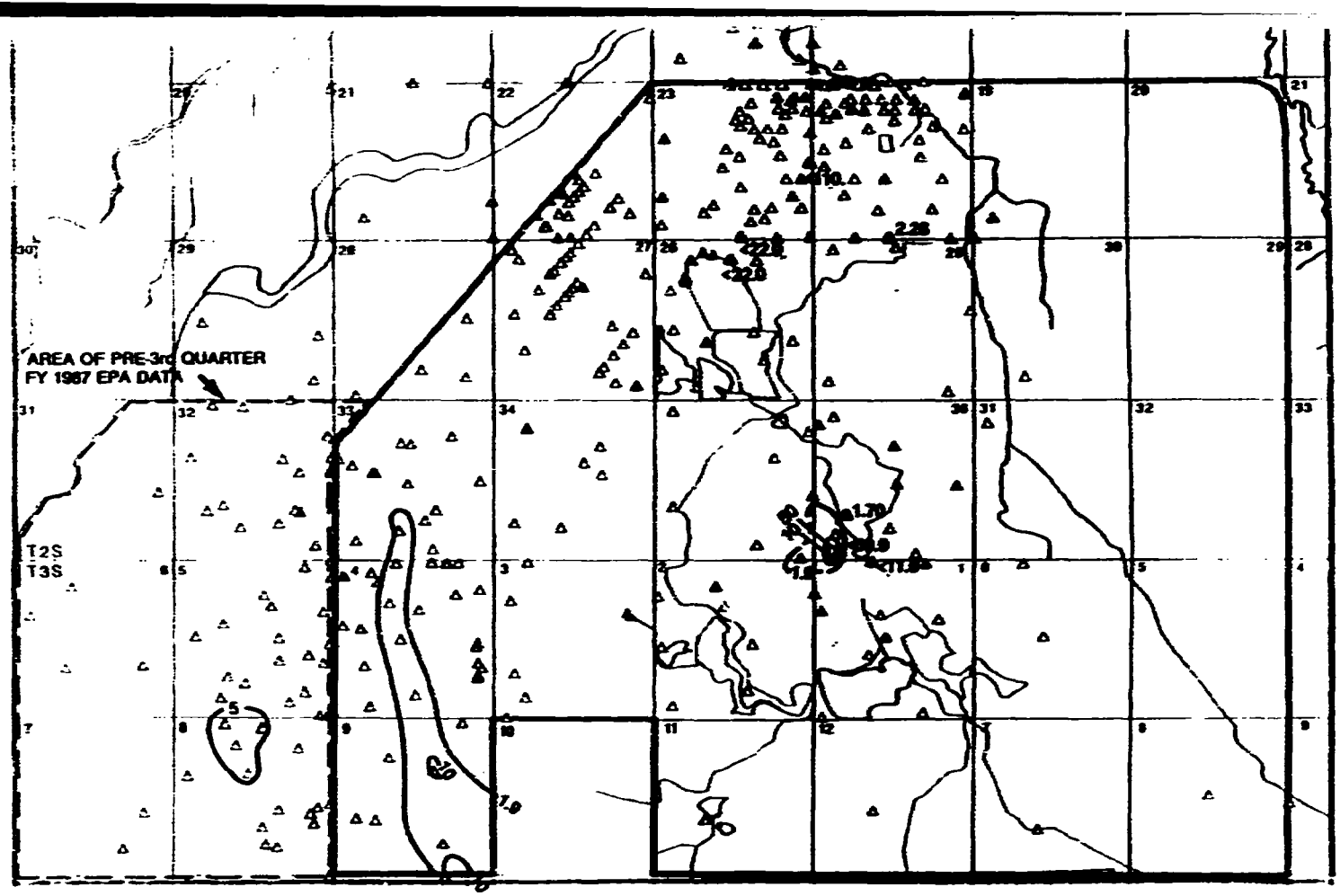
CPMSO$_2$ PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: HLA, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W R66W
T1S
T2S



EXPLANATION

- Alluvial Well
- Unconfined Denver Fm.Well
- Isoconcentration Line, Dashed Where Inferred
- 2.65 Isolated Alluvial Detection or Concentration Less Than Highest CRL, in ug/l

Cl: 1.9 ug/l
5 ug/l
10 ug/l
50 ug/l

N

0 5000
Scale in Feet

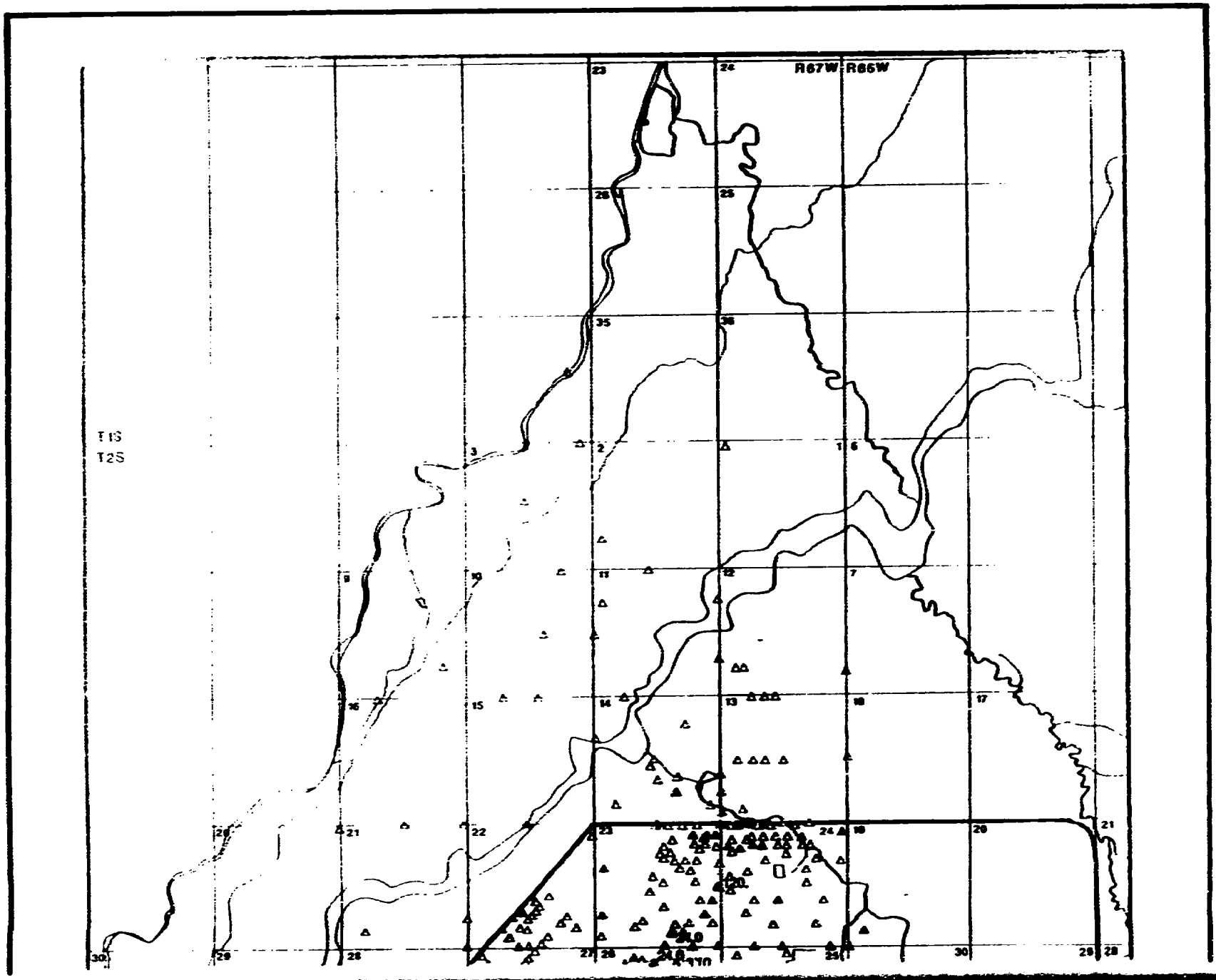
Figure D-6

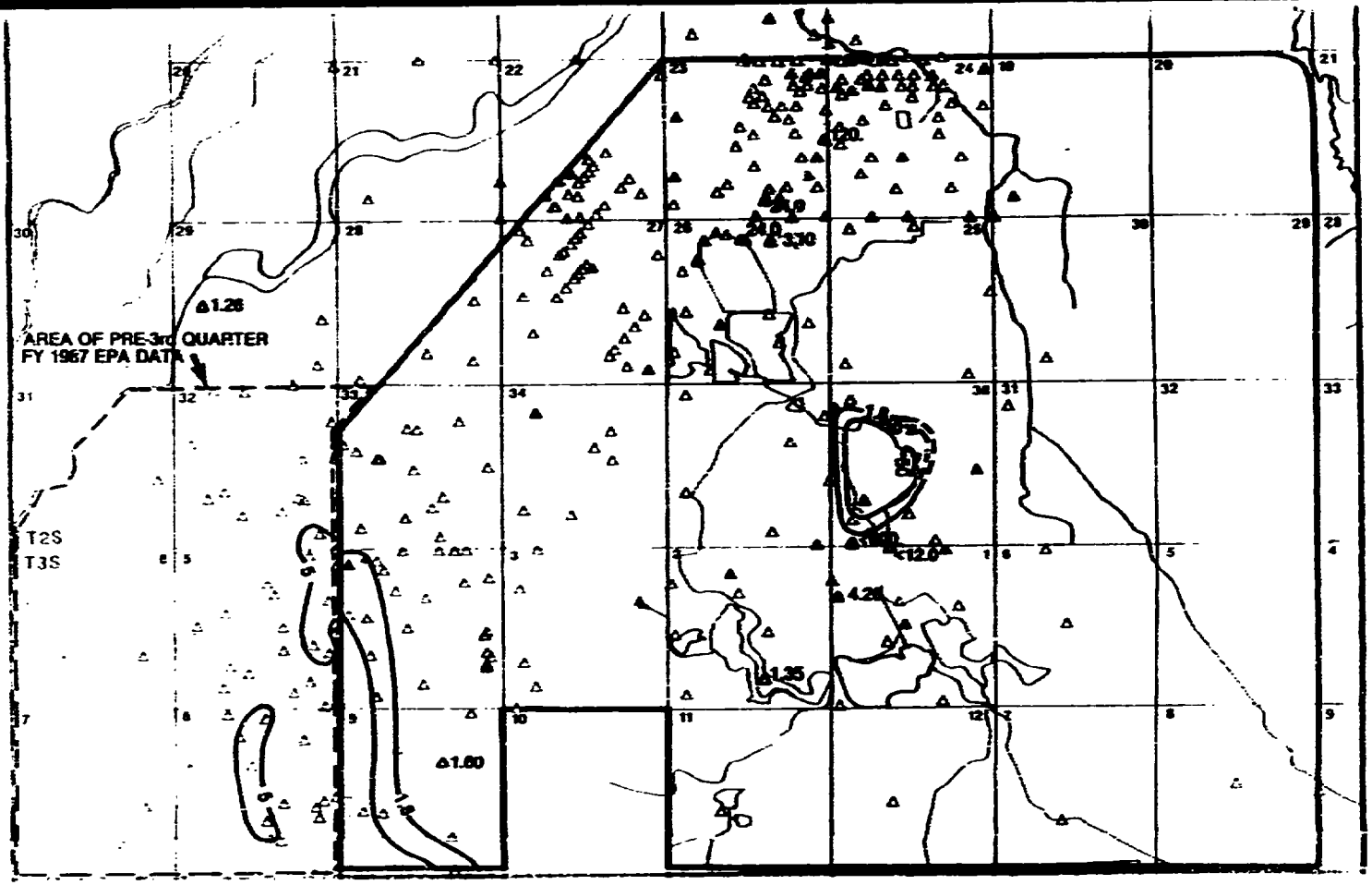
11 DICHLOROETHENE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W R66W
T1S
T2S



EXPLANATION

- △ Alluvial Well
- ▲ Unconfined Denver Fm.Well
- Isoconcentration Line, Dashed Where Inferred
- △ 2.65 Isolated Alluvial Detection or Concentration Less Than Highest CRL, in ug/l

Cl: 1.8 ug/l
5 ug/l
10 ug/l
50 ug/l

N

0 5000
Scale in Feet

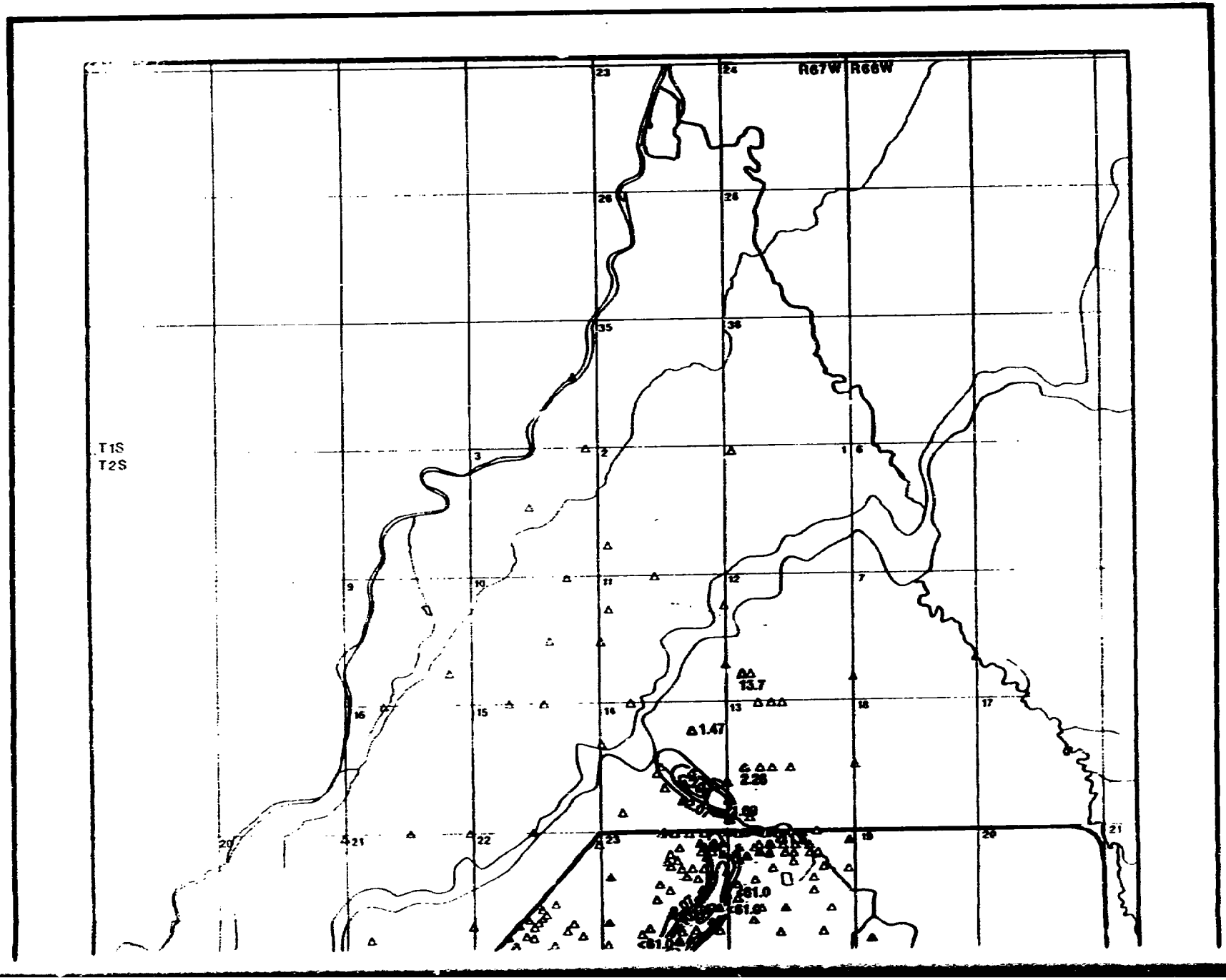
Figure D-7

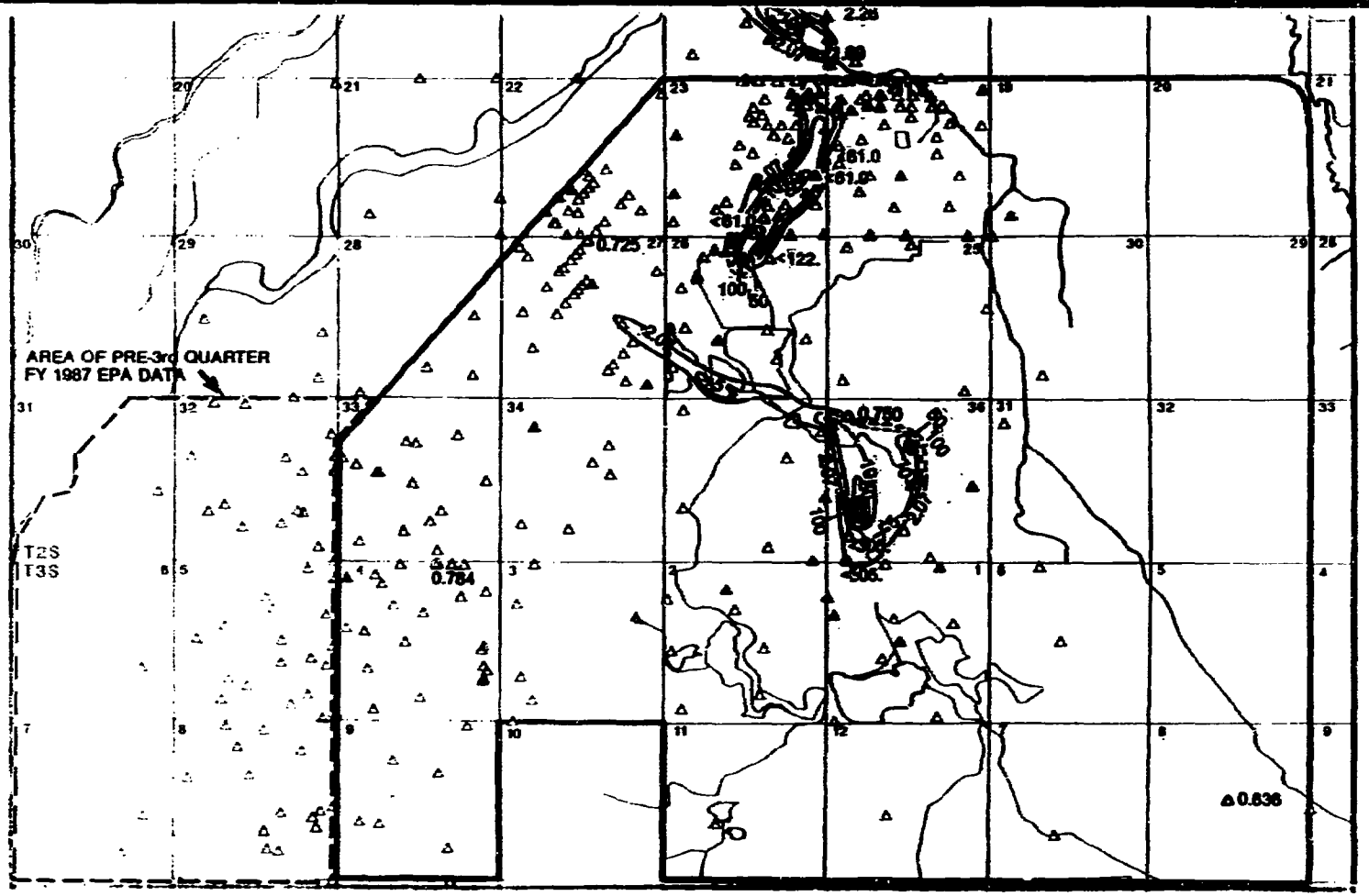
T1,2-DICHLOROETHENE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W R66W
T1S
T2S
13.7
1.47
2.28
81.0
81.0



EXPLANATION

- Alluvial Well
- Unconfined Denver Fm.Well
- Isoconcentration line, Dashed Where Inferred
- 2.65 Isolated Alluvial Detection or Concentration Less Than Highest CRL, in ug/l

Cl: 2.07 ug/l
5 ug/l
10 ug/l
50 ug/l
100 ug/l

N

0 5000
Scale in Feet

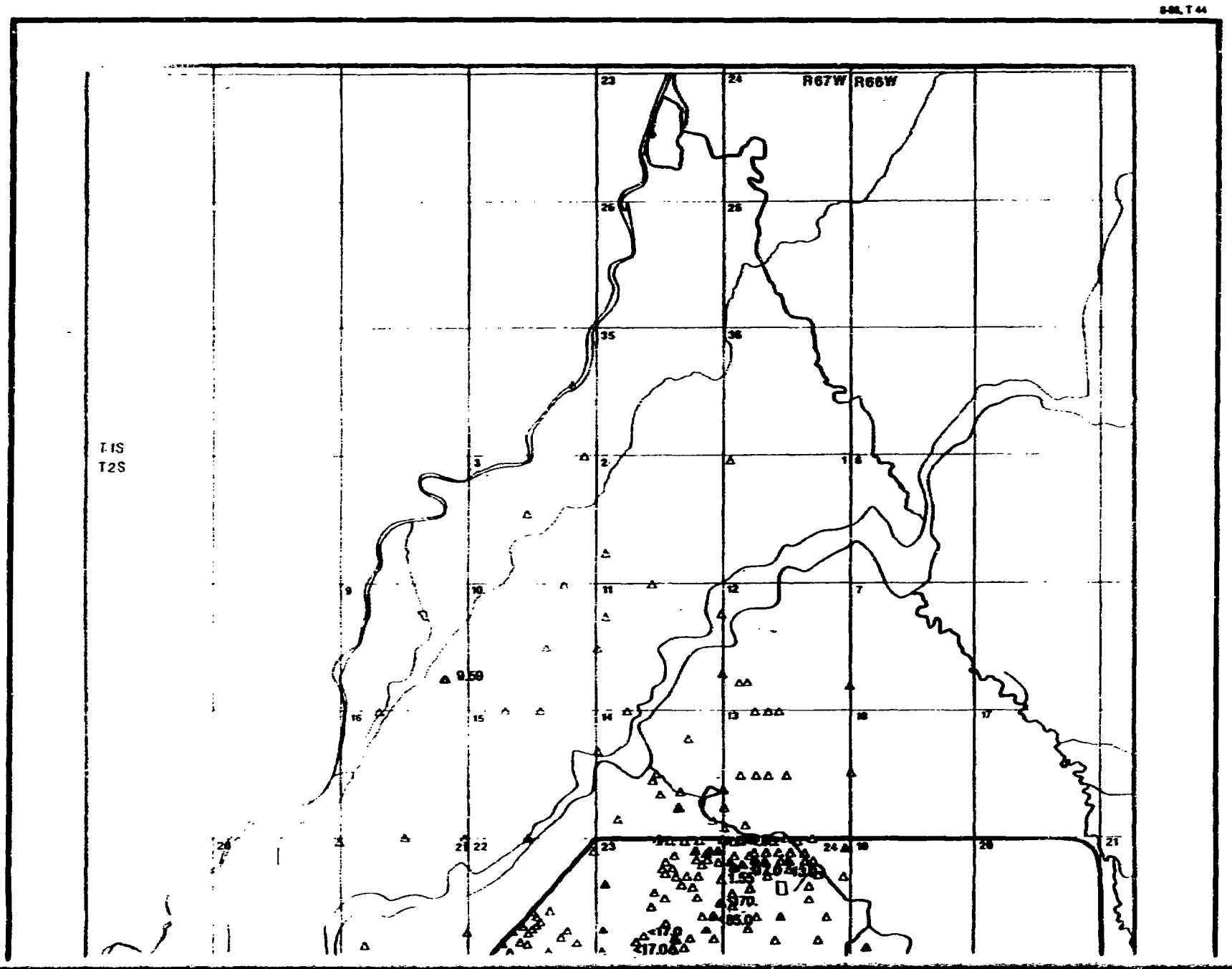
Figure D-8

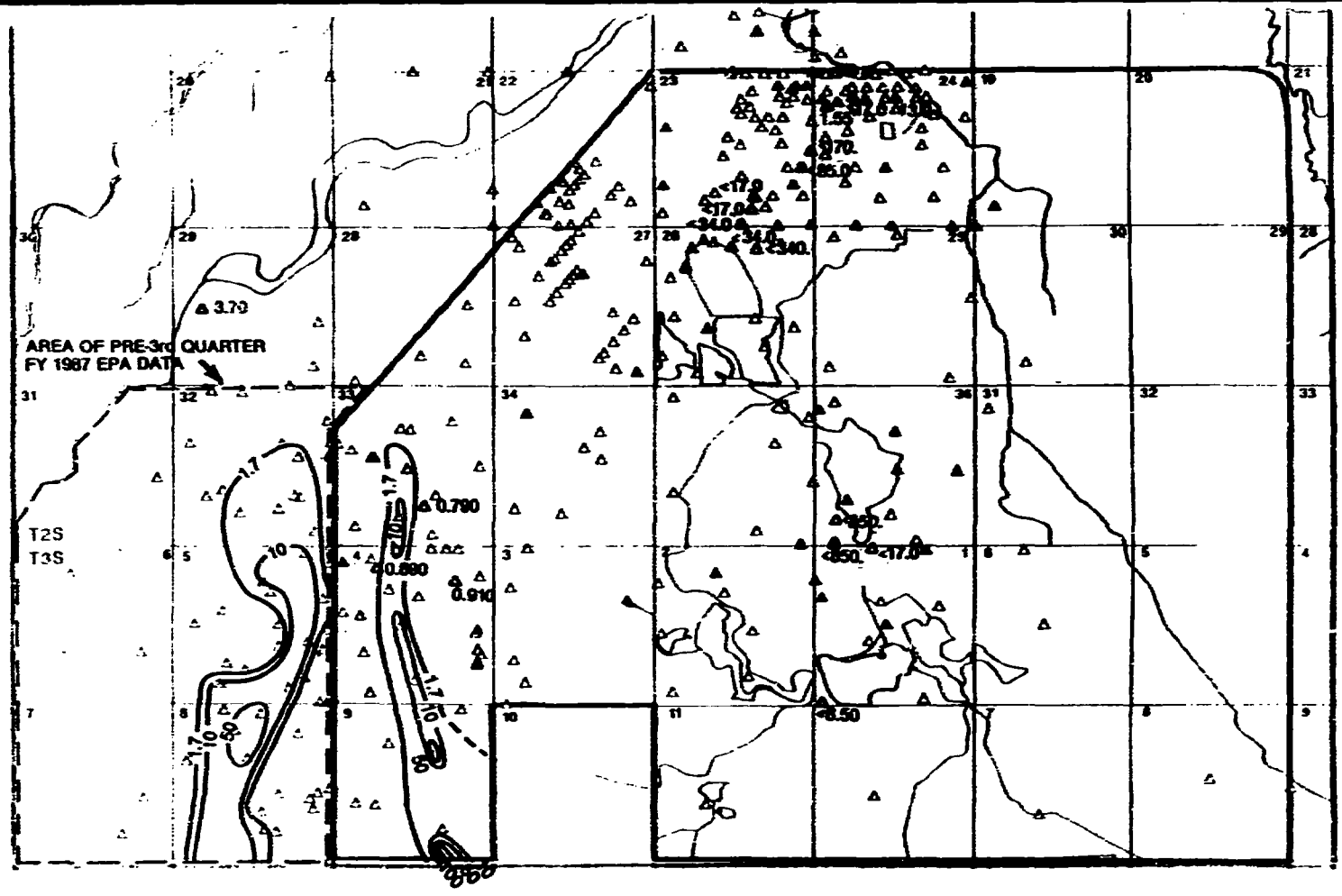
1,2 DICHLOROETHENE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


R67W
R66W
T1S
T2S



EXPLANATION

- Alluvial Well
- Unconfined Denver Fm.Well
- Isoconcentration Line, Dashed Where Inferred
- 2.65 Isolated Alluvial Detection or Concentration Less Than Highest CRL, in ug/l

Cl: 1.7 ug/l
10 ug/l
50 ug/l
100 ug/l

N

0 5000

Scale in Feet

Figure D-9

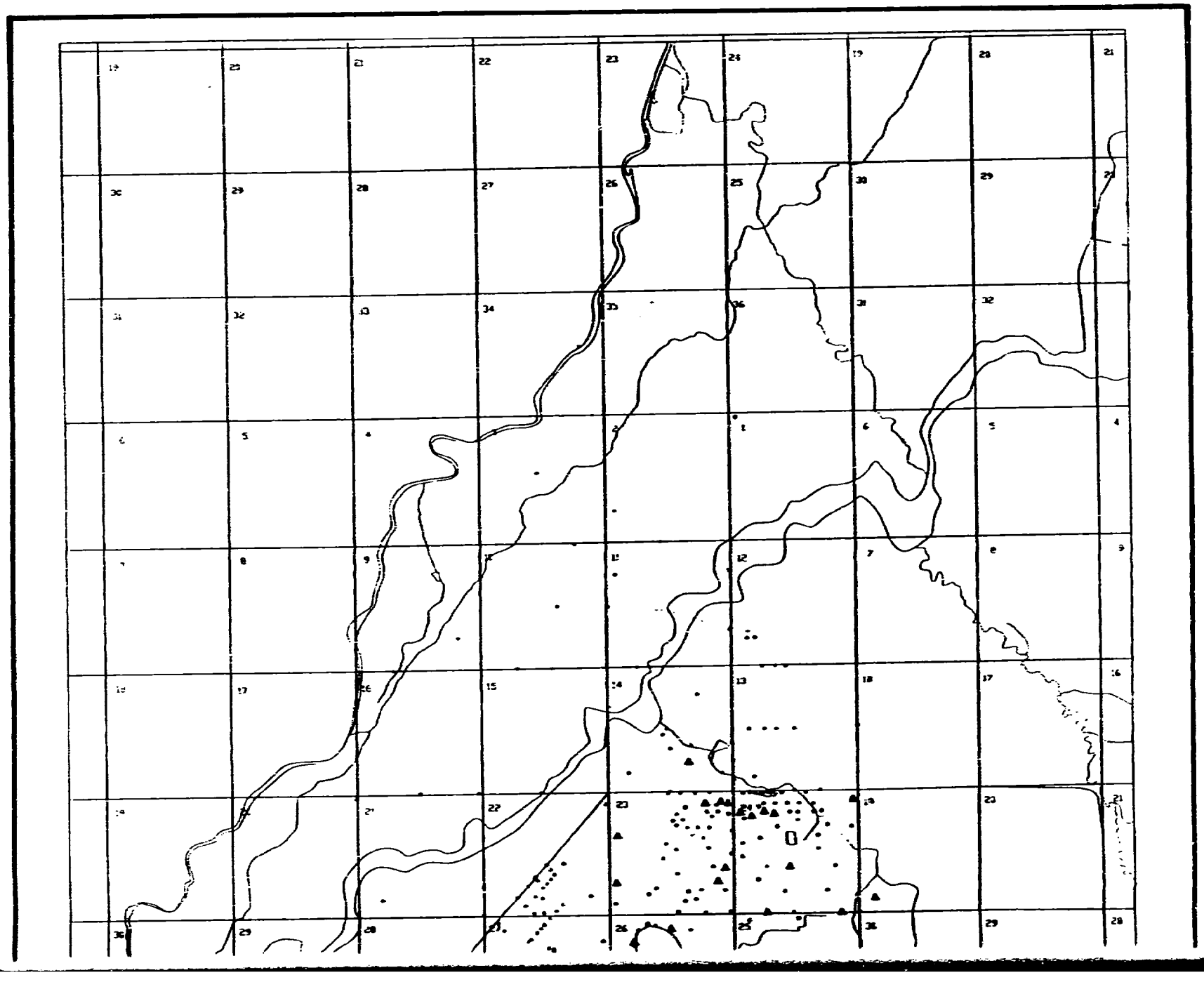
1,1,1-TRICHLOROETHENE PLUMES UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

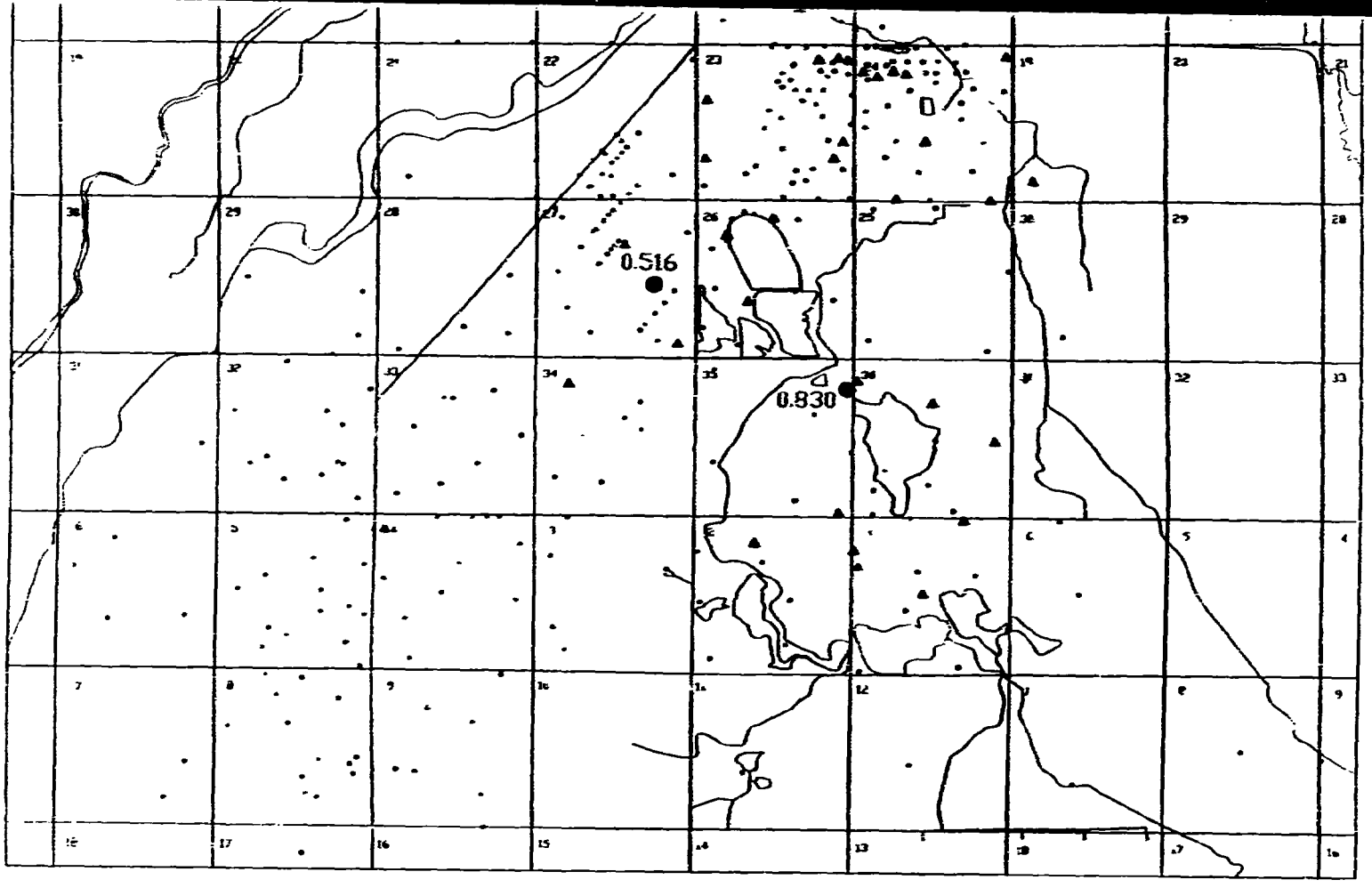
SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

APPENDIX D.4: ALLUVIAL/UNCONFINED POINT PLOTS
(D-10 TO D-26)





EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

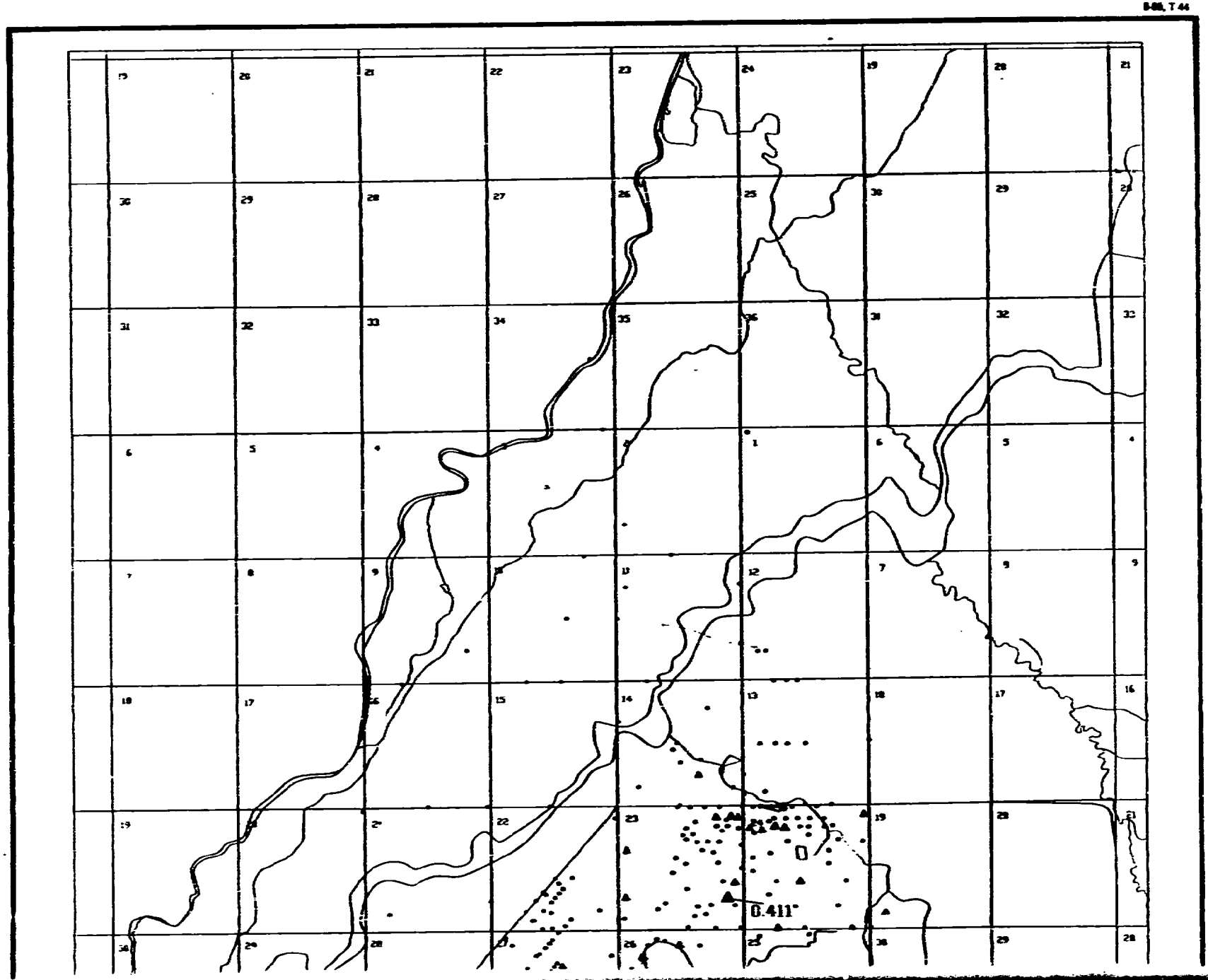
Figure D–10

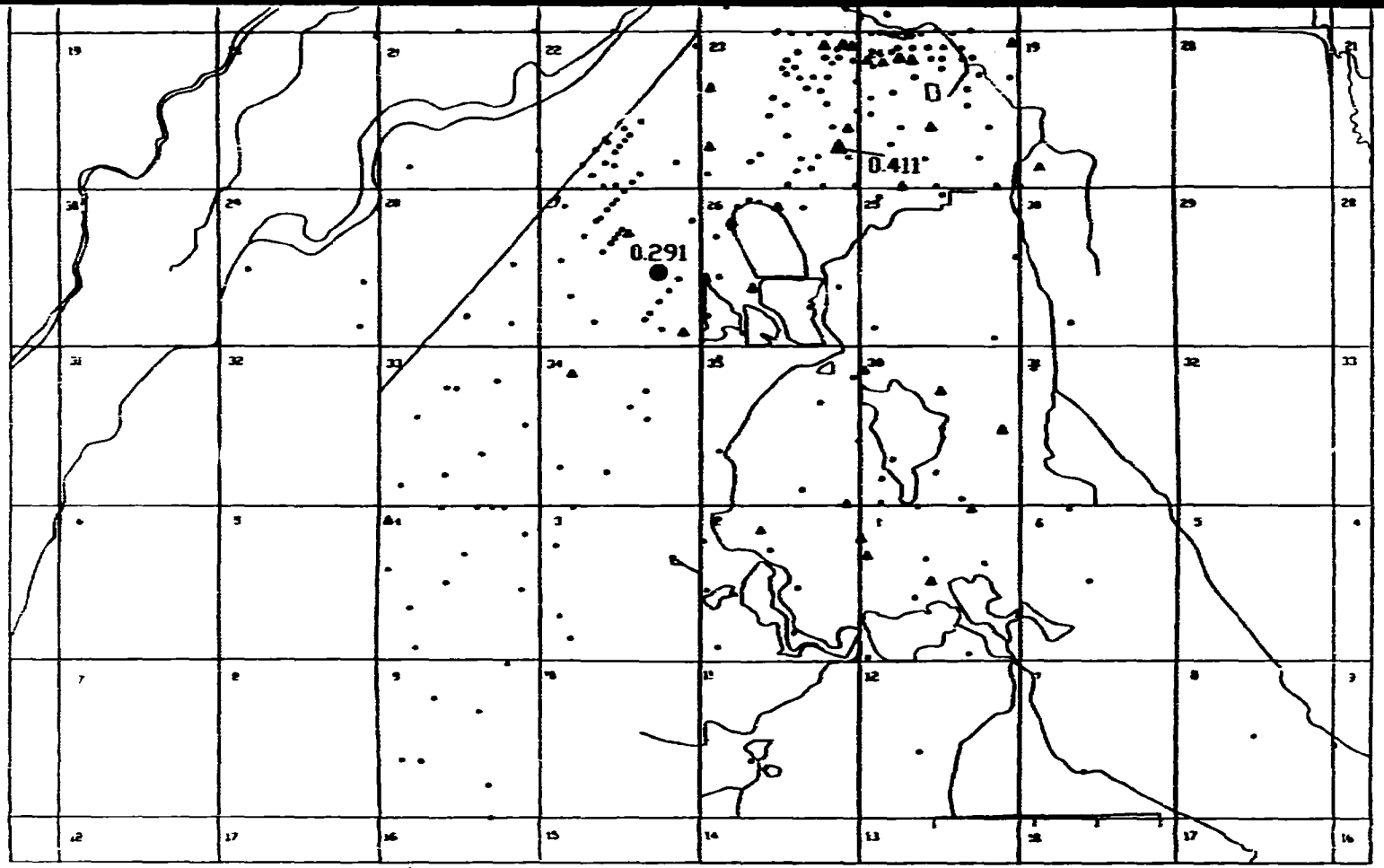
ALDRIN DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


0.411



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

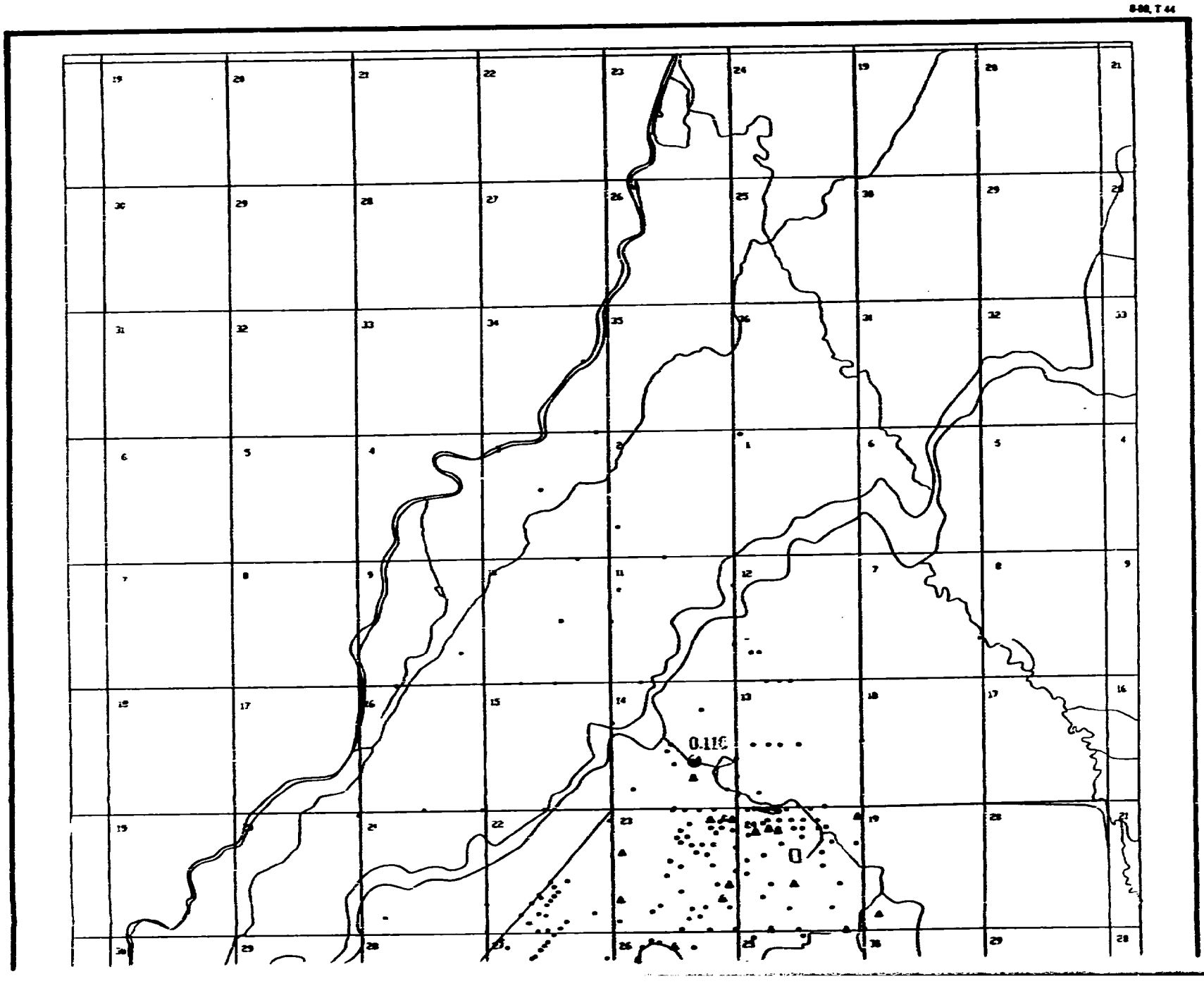
Figure D-11

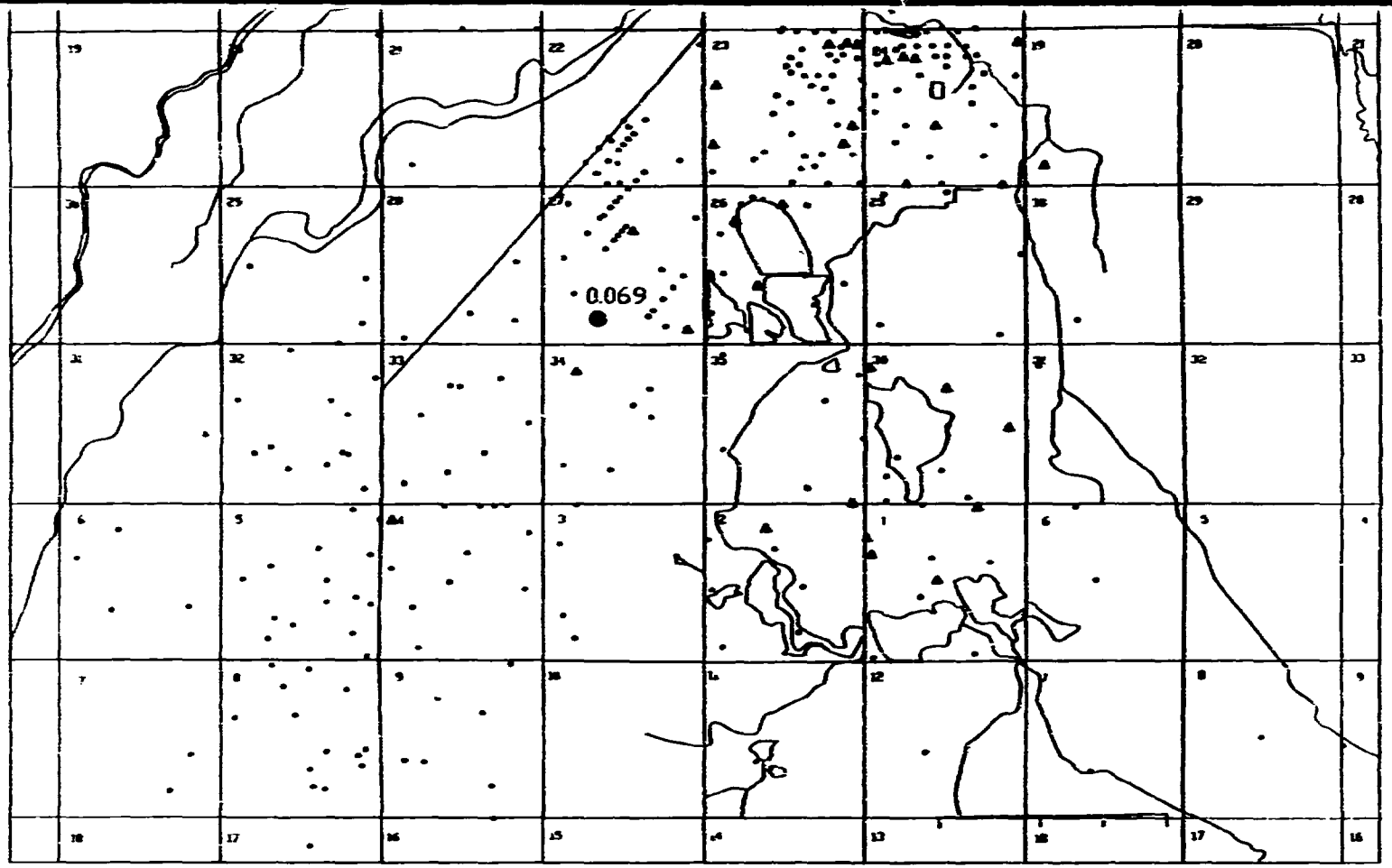
ISODRIN DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


0.11



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/L
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/L

N

0 5000

Scale in Feet

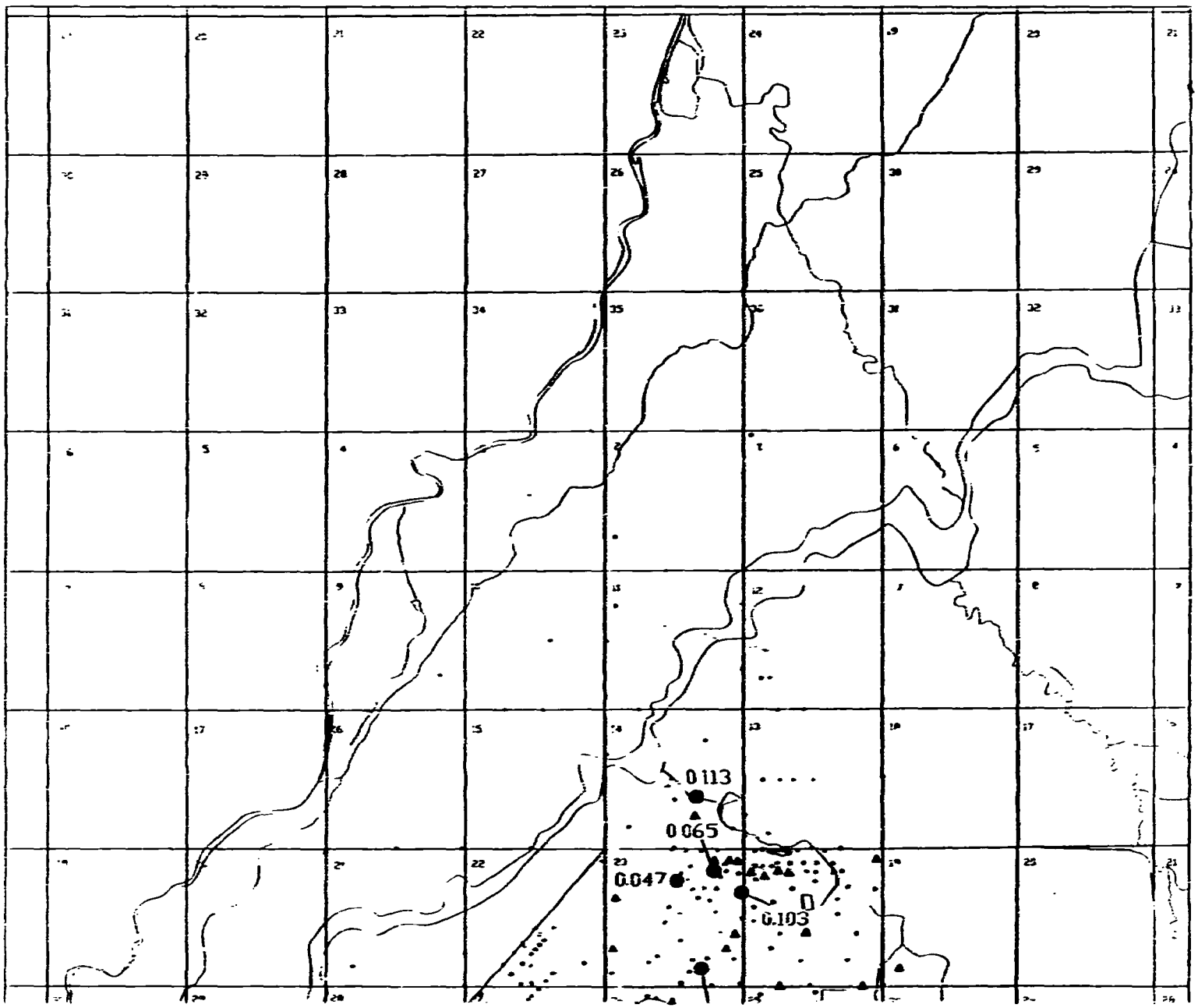
Figure D-12

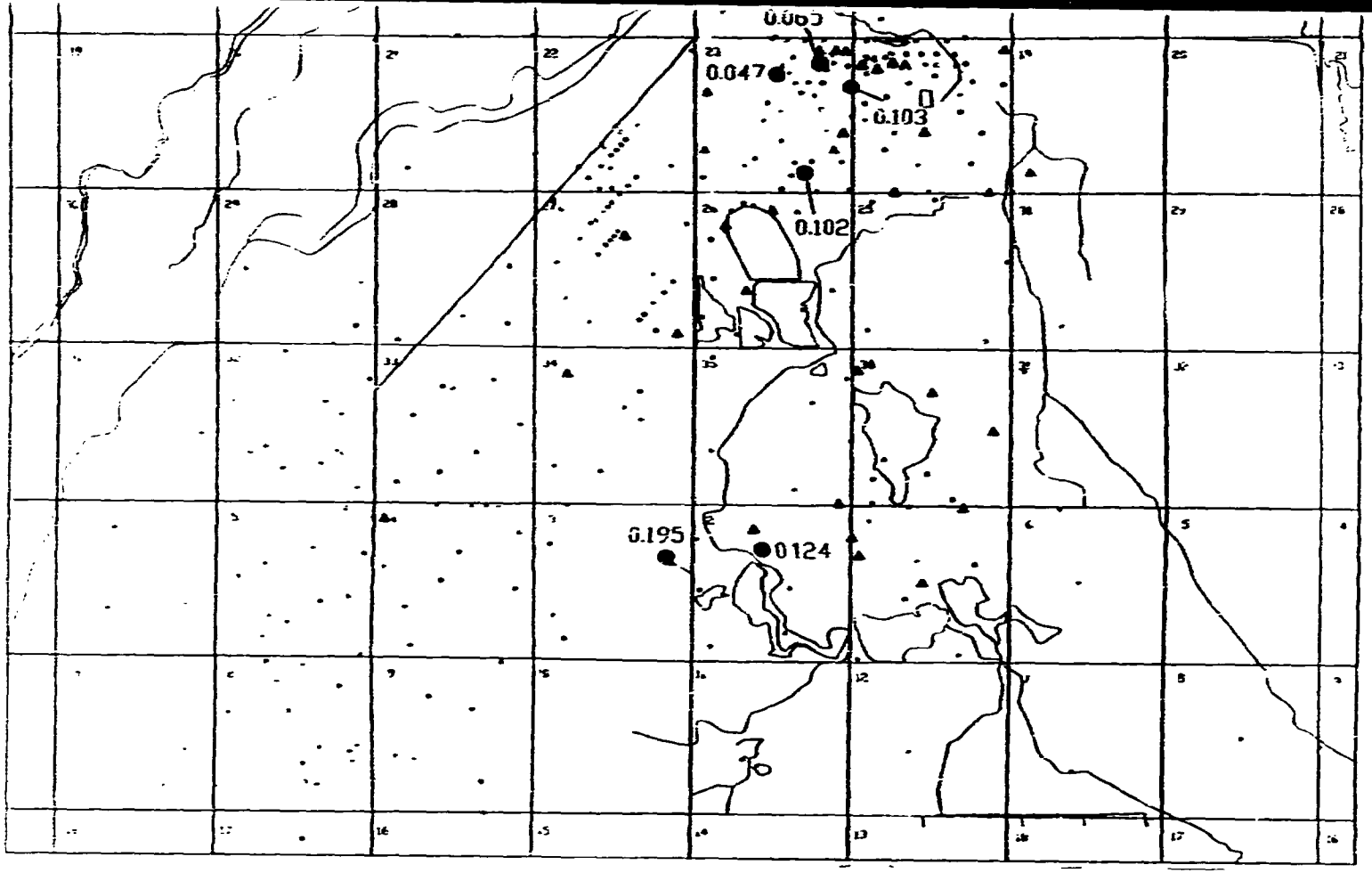
PP-DDT DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


0.113
0.065
0.047
0
0.103



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

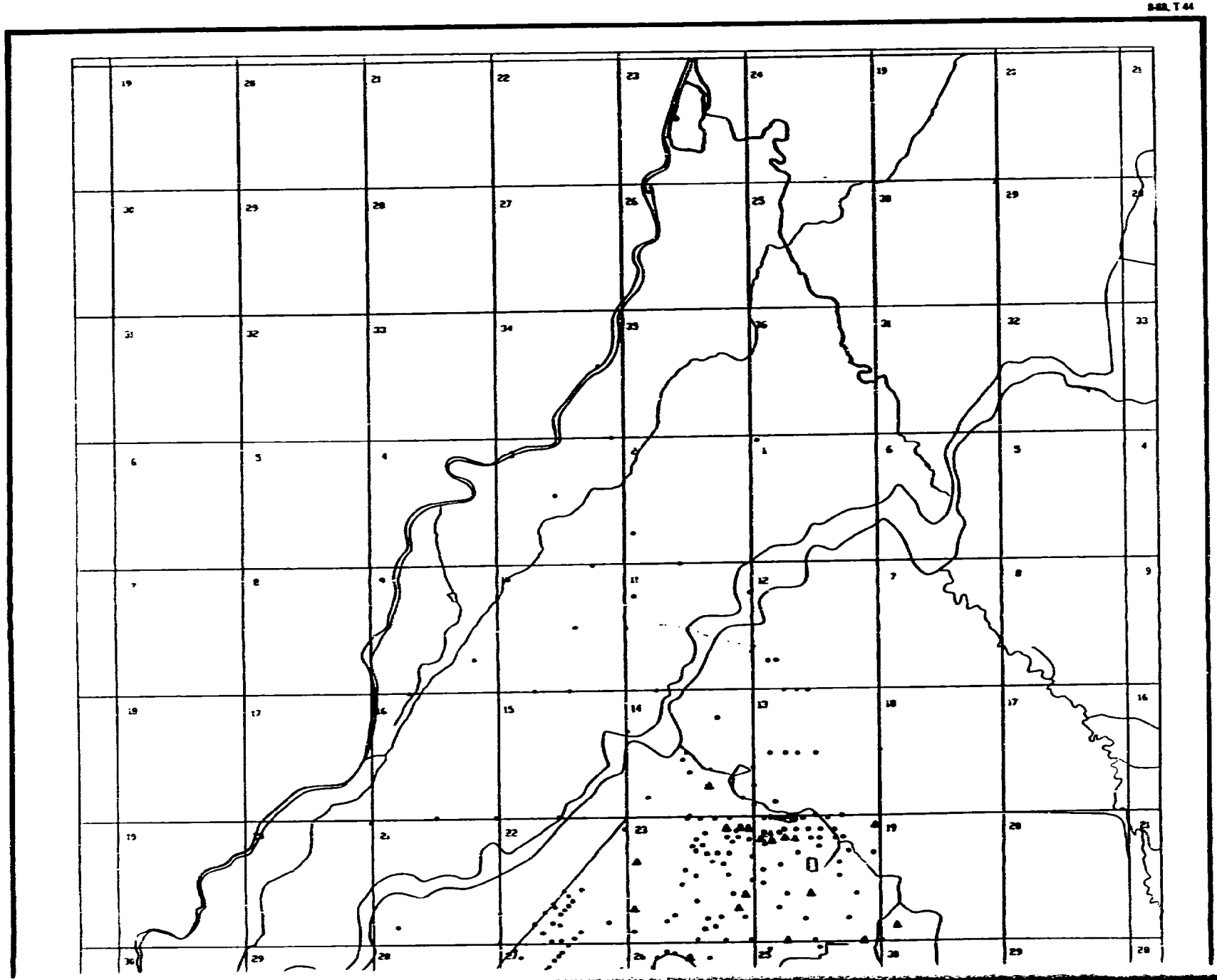
Figure D-13

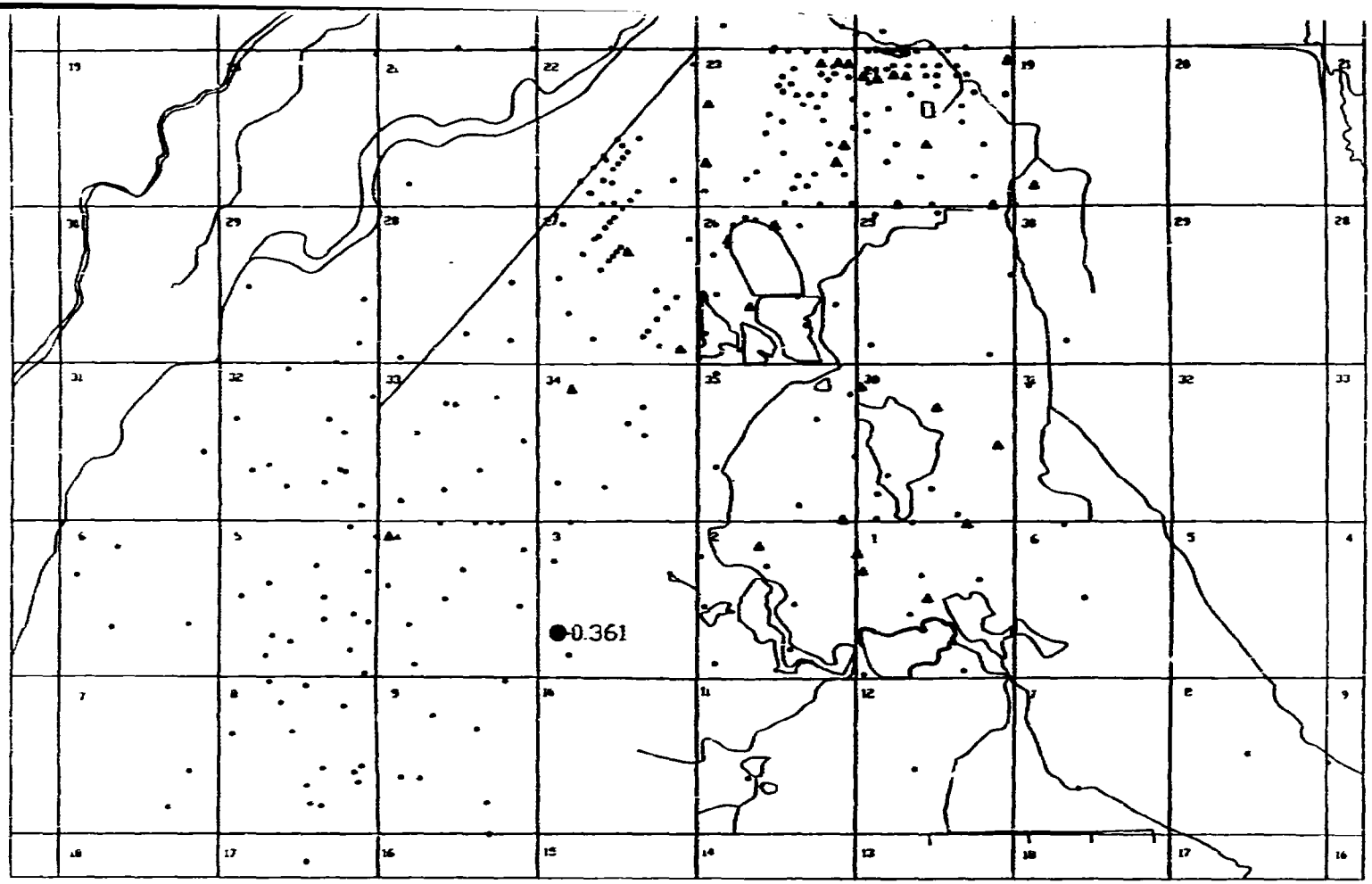
PPDDE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland





EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

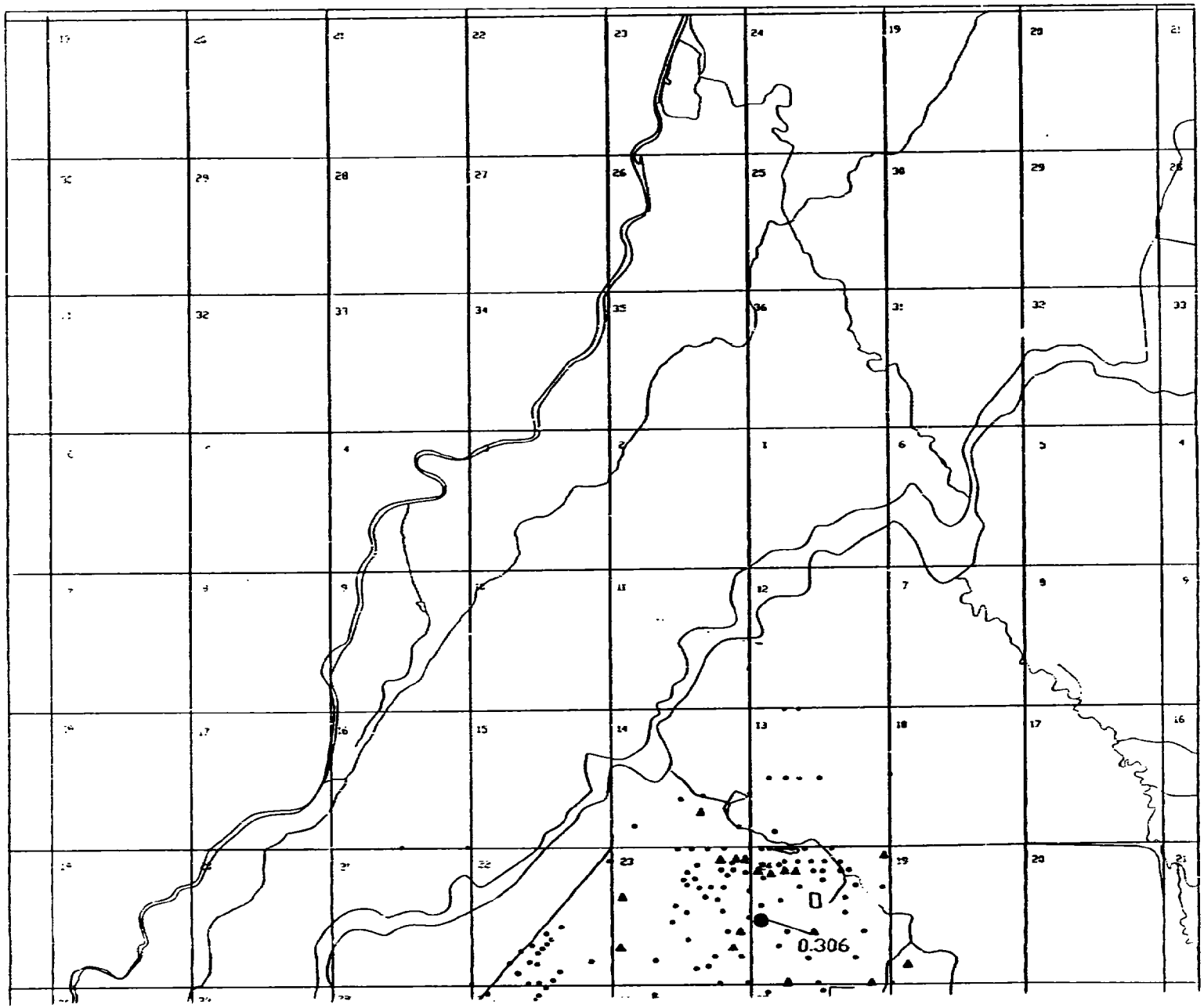
Figure D-14

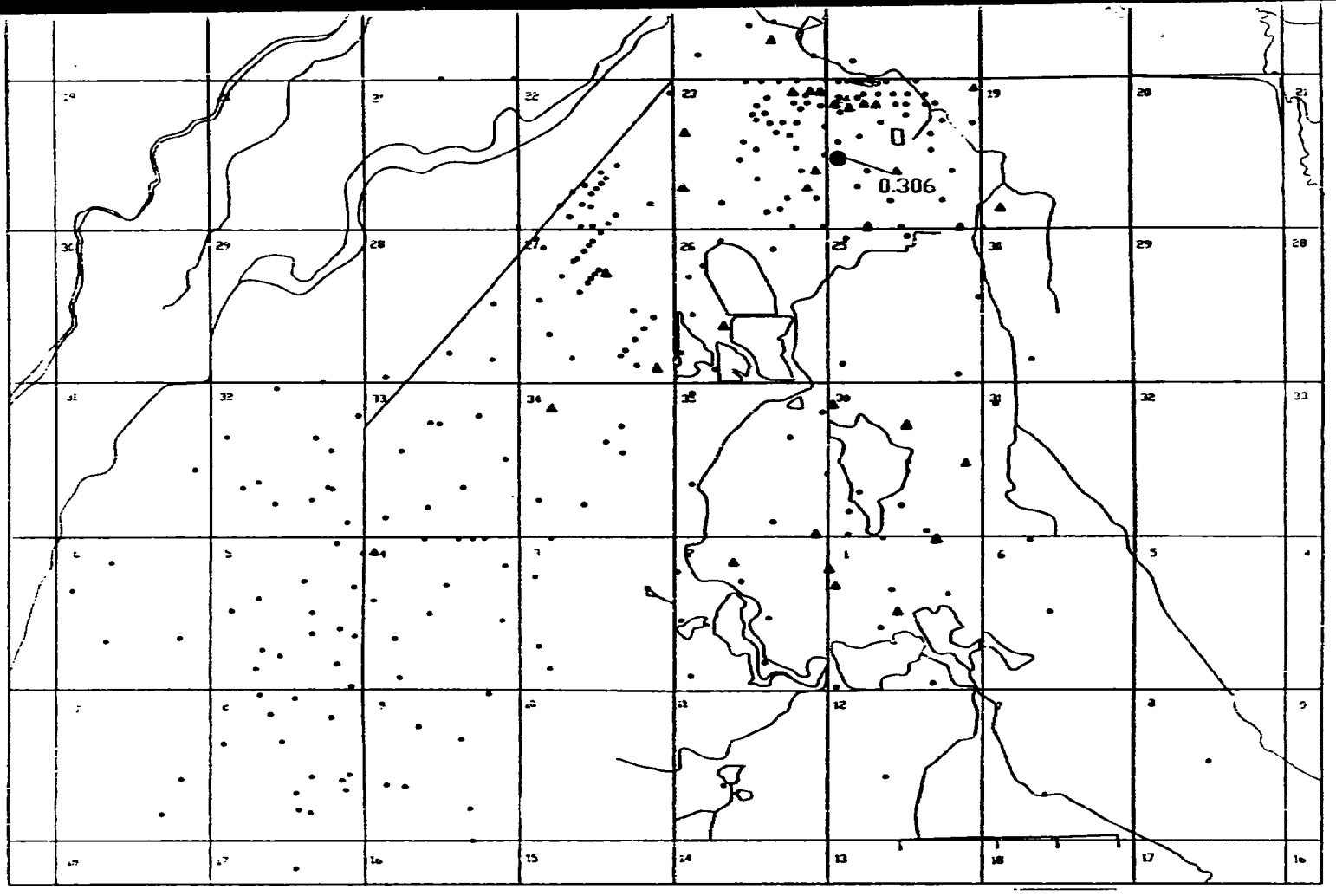
HEXACHLOROCYCLOPENTADIENE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


0.306



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

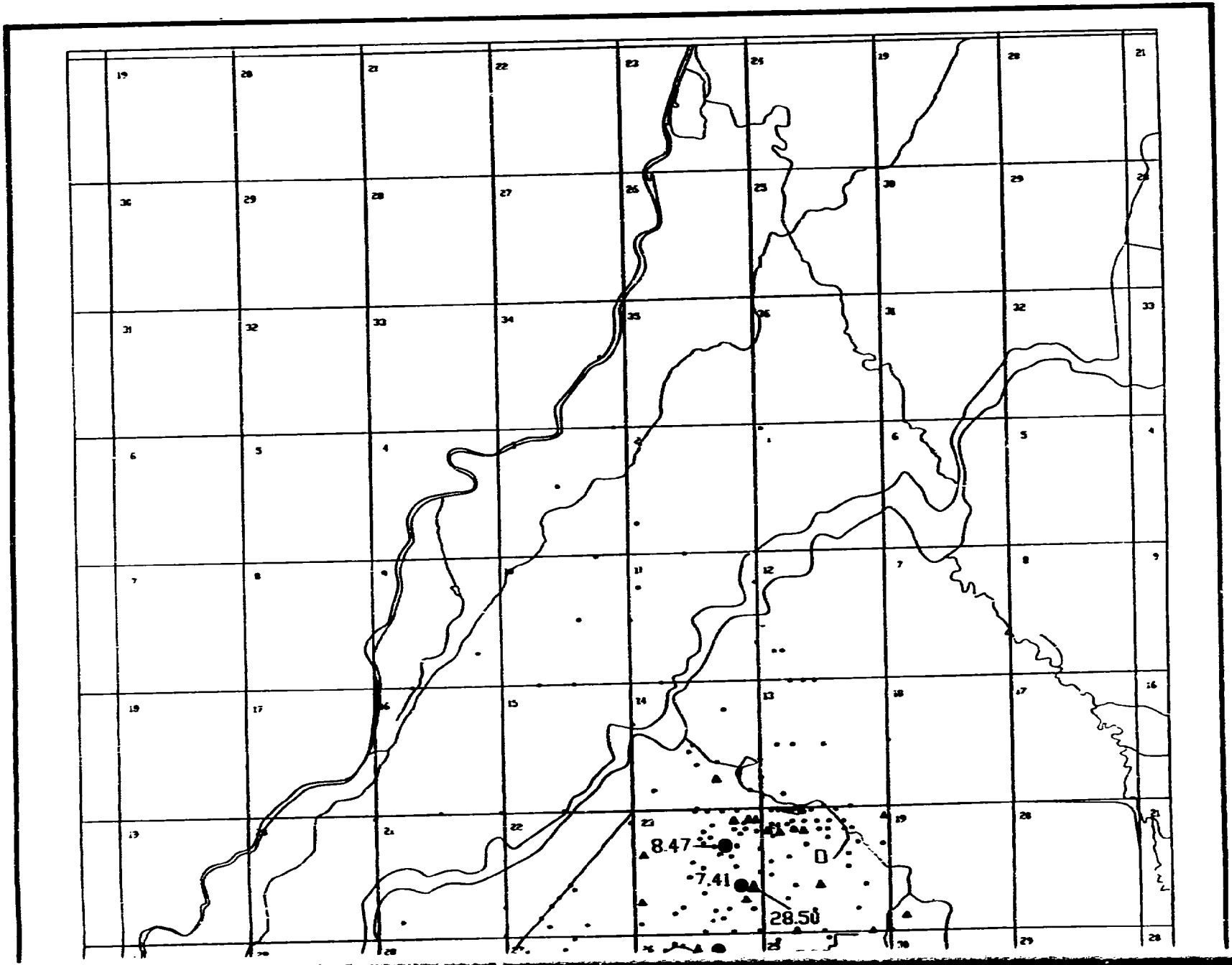
Figure D-15

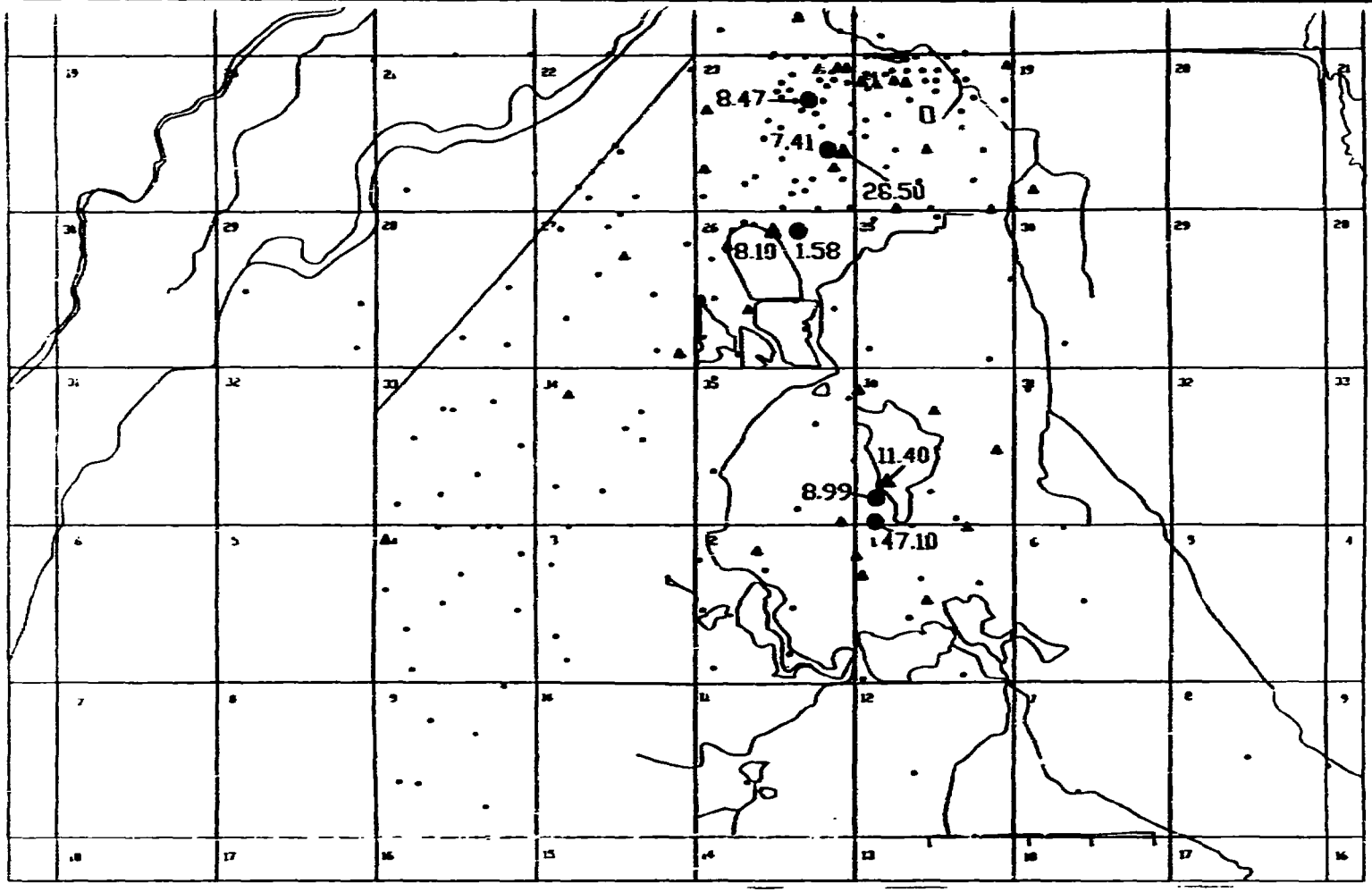
CHLORDANE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


8.47
7.41
28.50



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

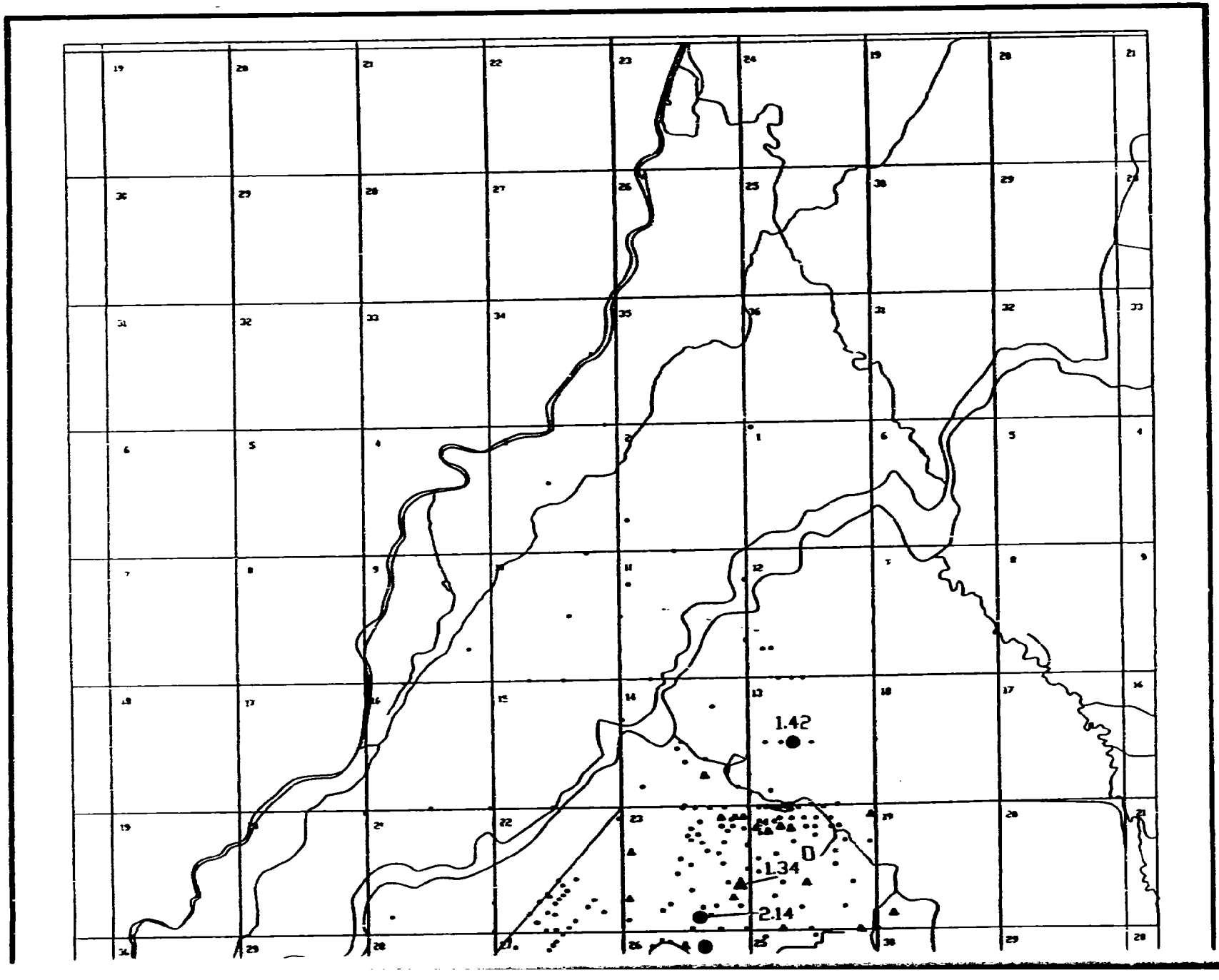
Figure D-16

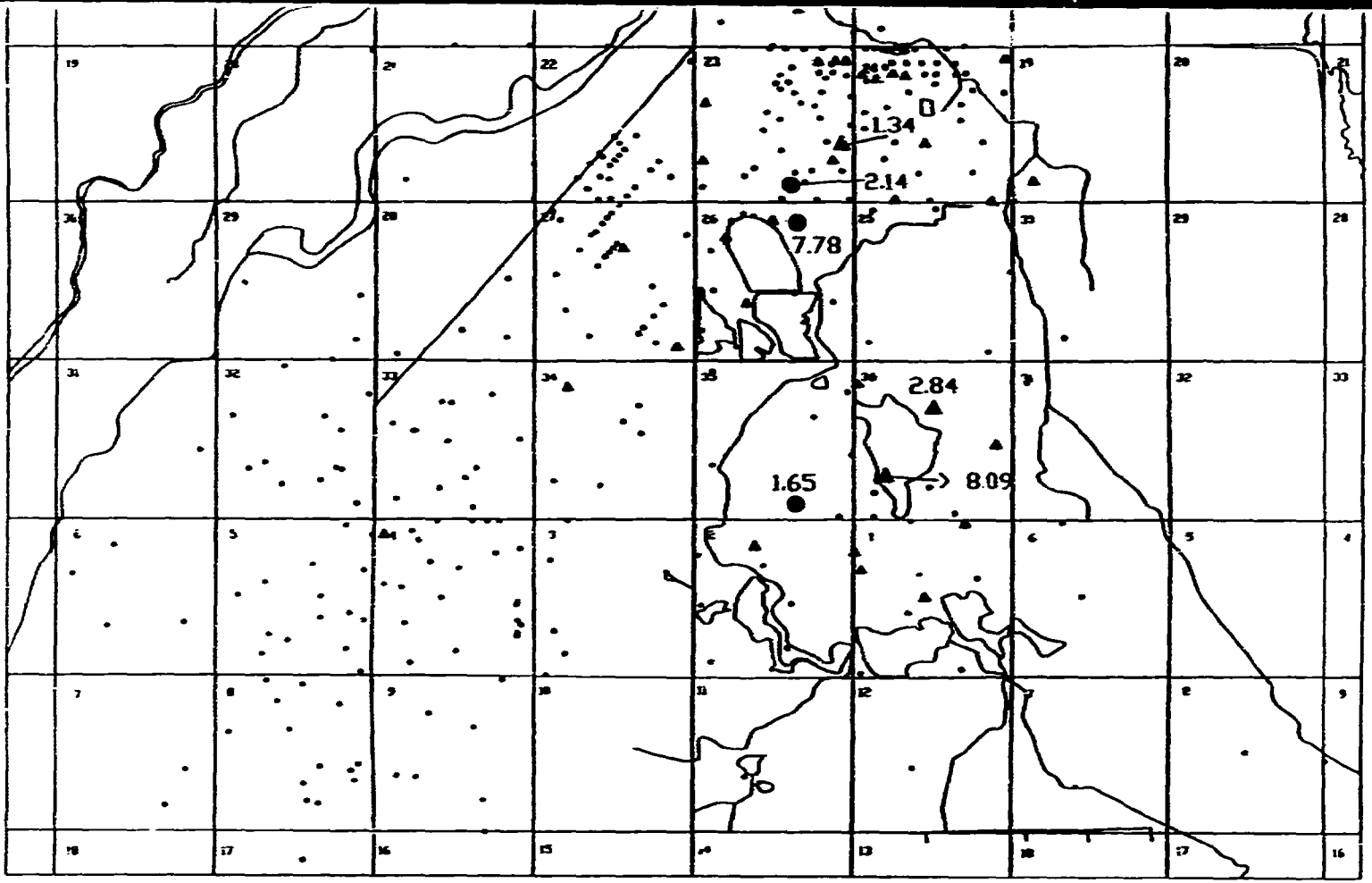
DMDS DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


1.42
0
1.34
2.14



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

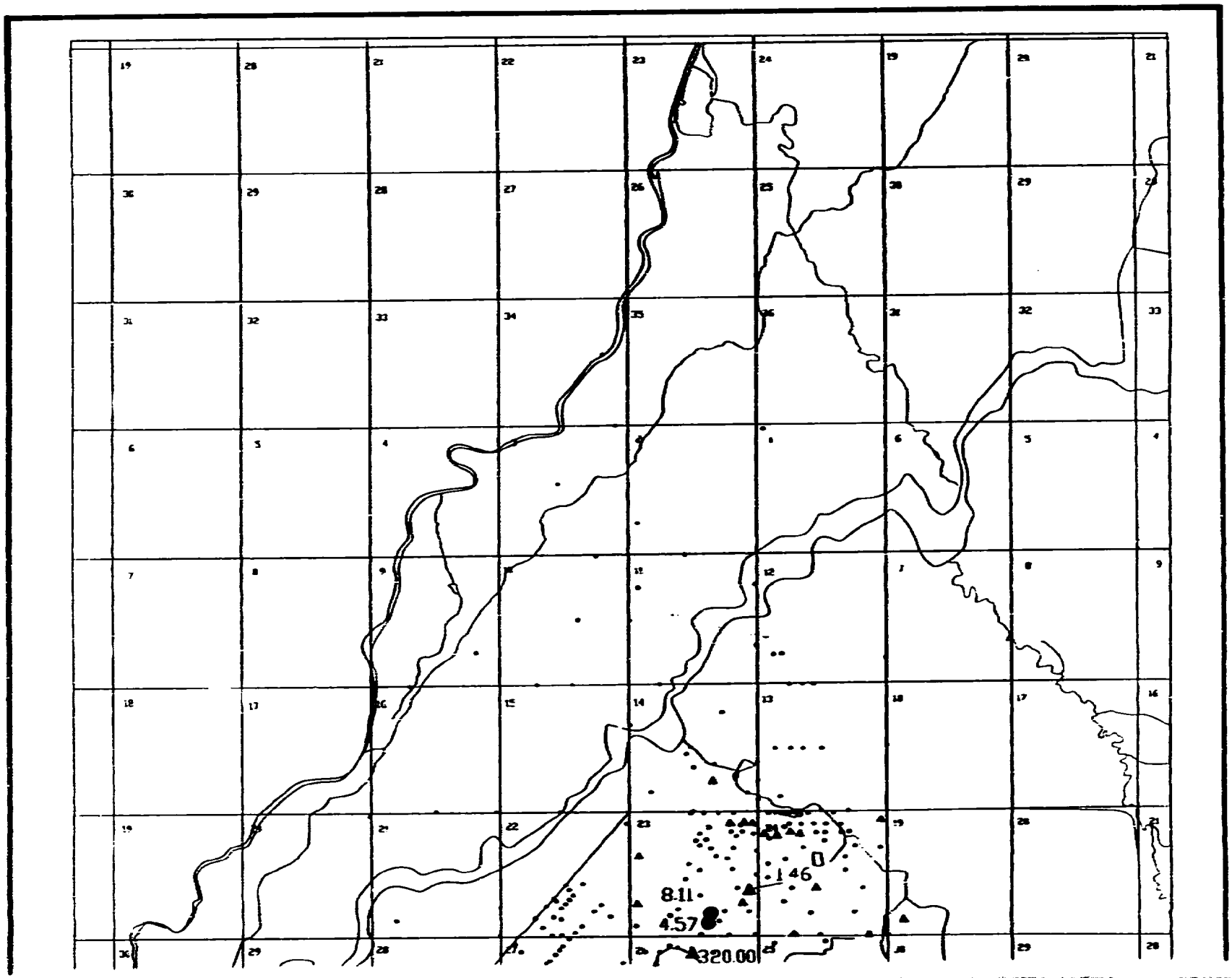
Figure D-17

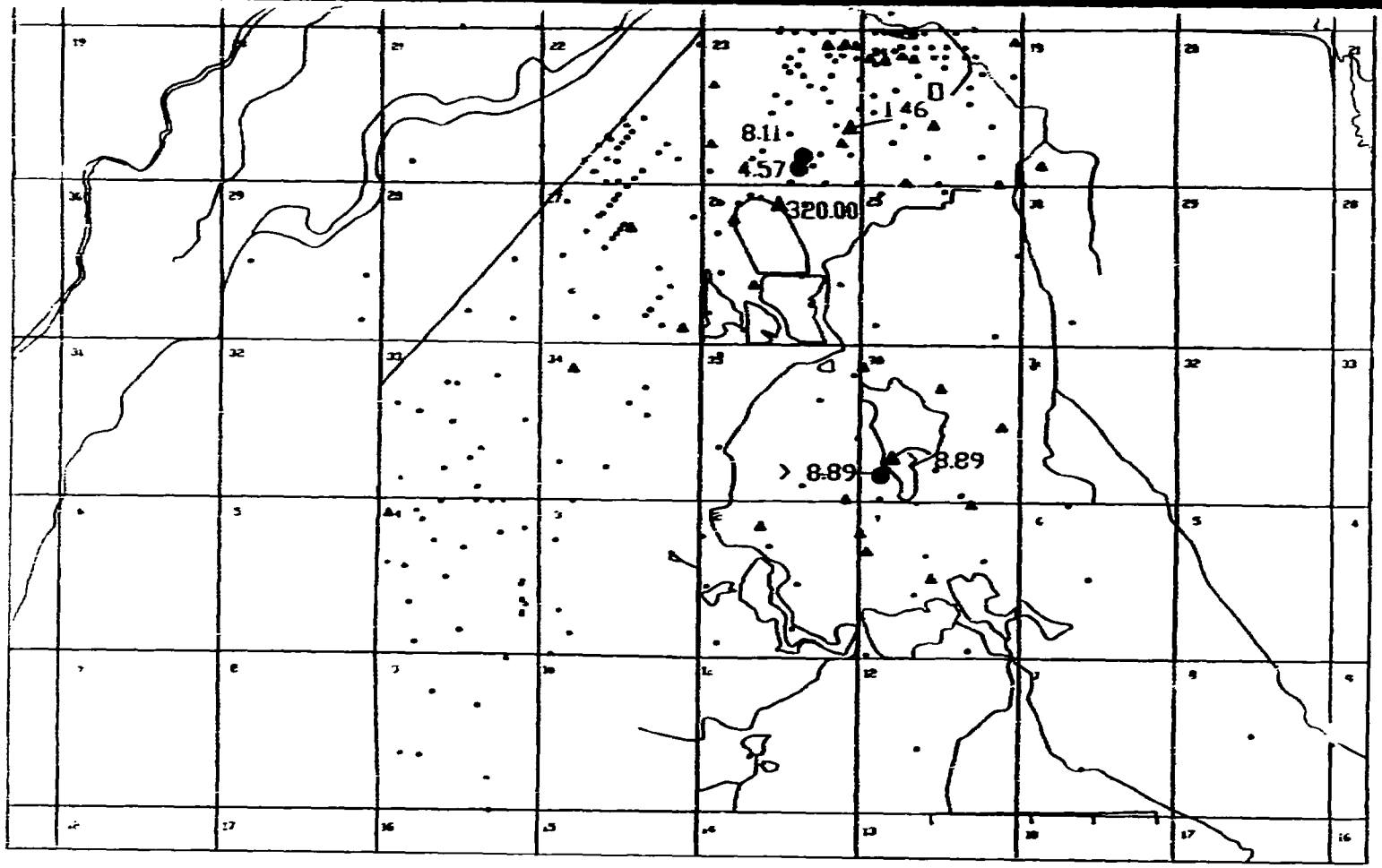
ETHYLBENZENE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


8.11
4.57
320.00



EXPLANATION

- Alluvial Well
  172.00
- Alluvial Detection, Units in ug/L
- Unconfined Denver Formation Well
  10.0
- Unconfined Denver Formation Detection, Units in ug/L

N

0 5000

Scale in Feet

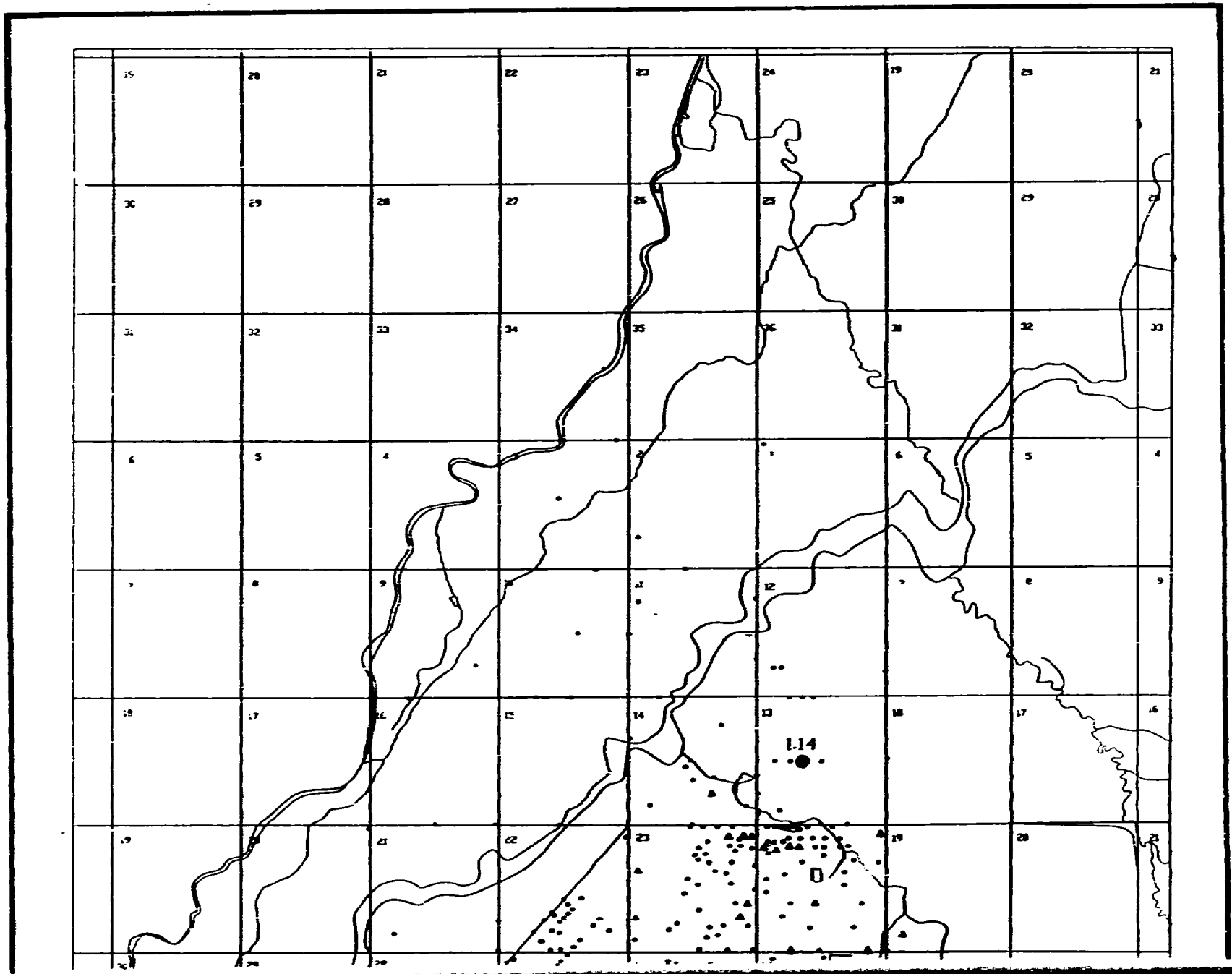
Figure D-18

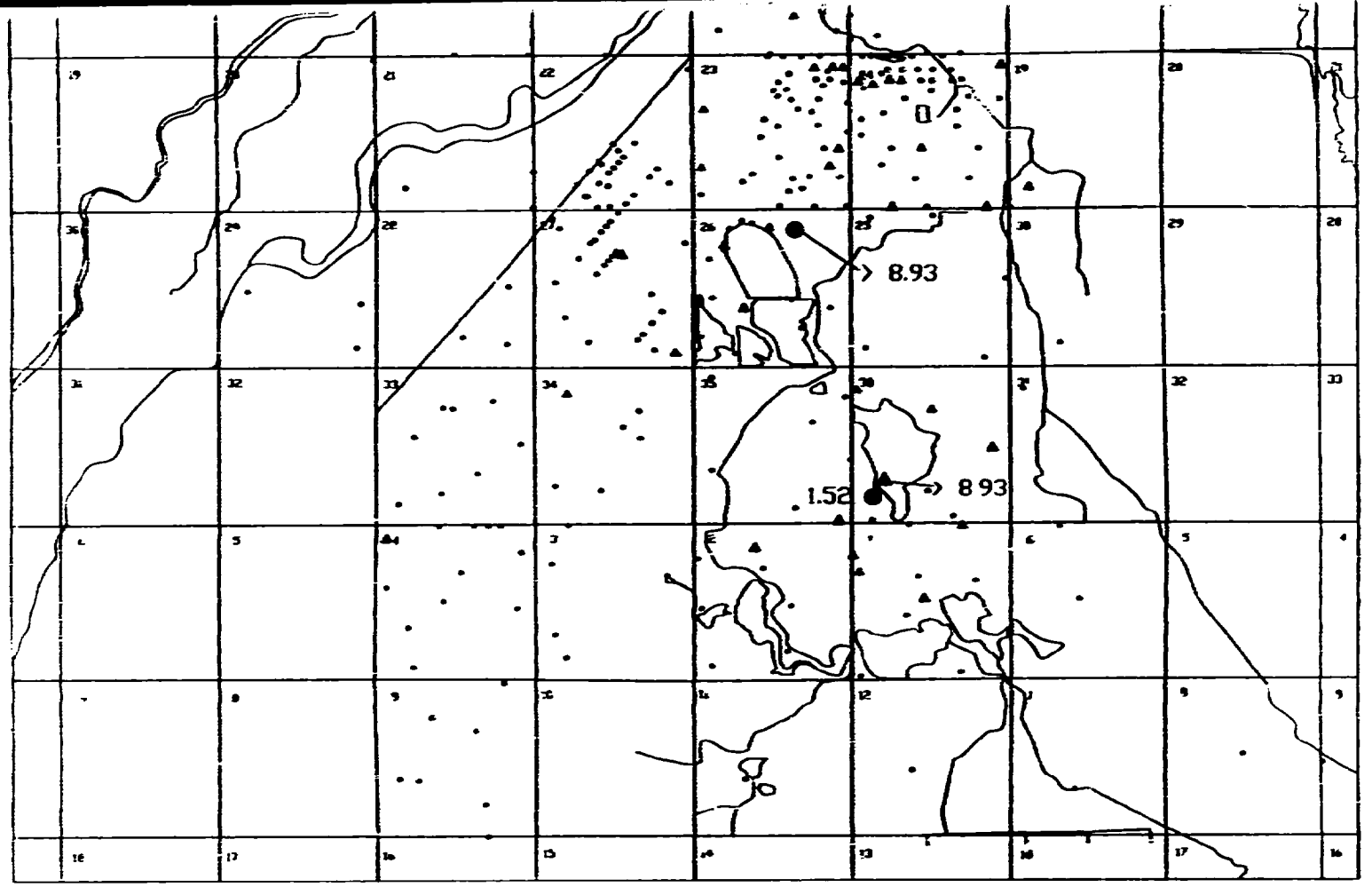
TOLUENE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUAHTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


1.14
0



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

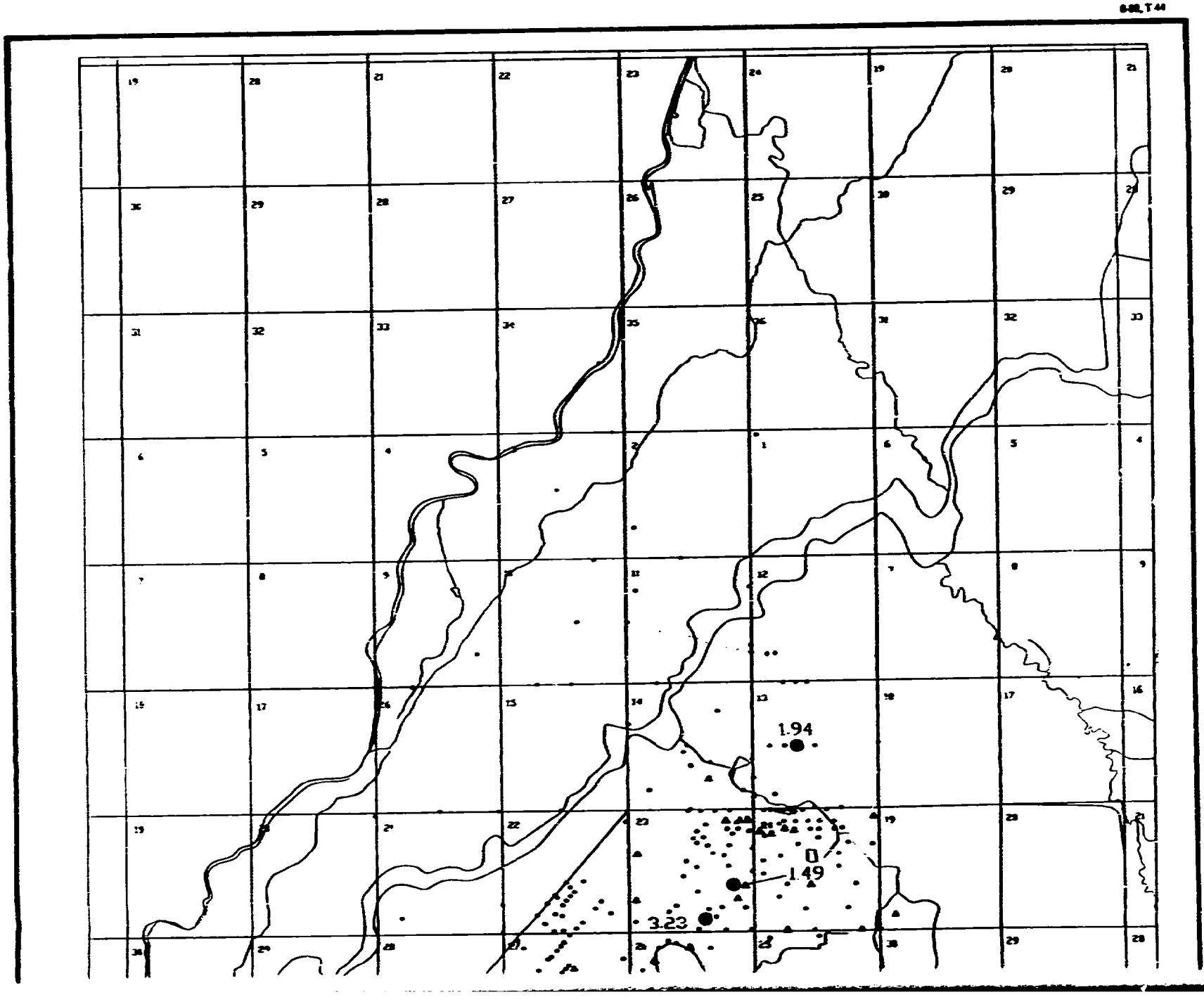
Figure D-19

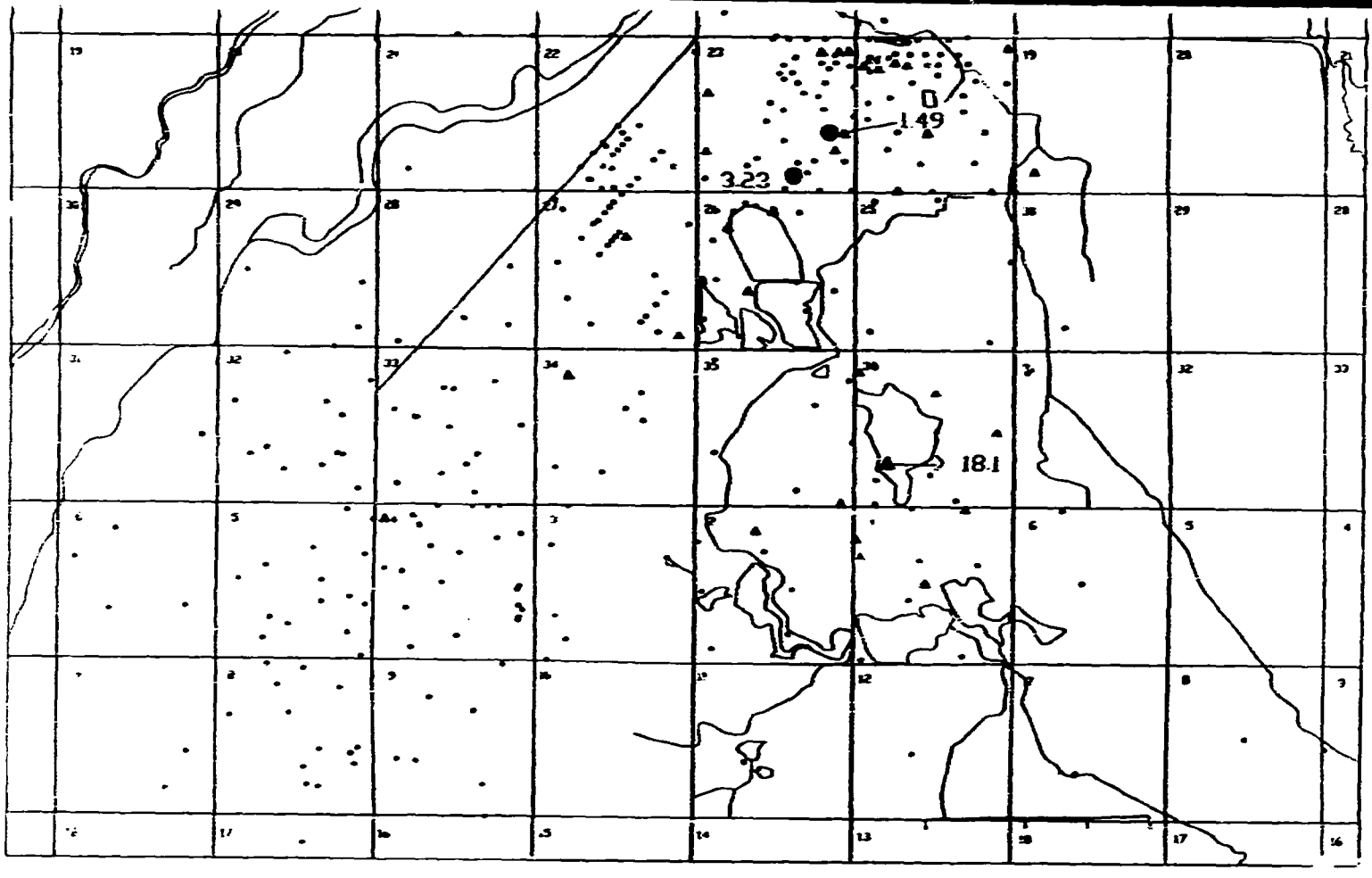
M-XYLENE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


1.94
1.49
3.23



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/L
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/L

N

0 5000

Scale in Feet

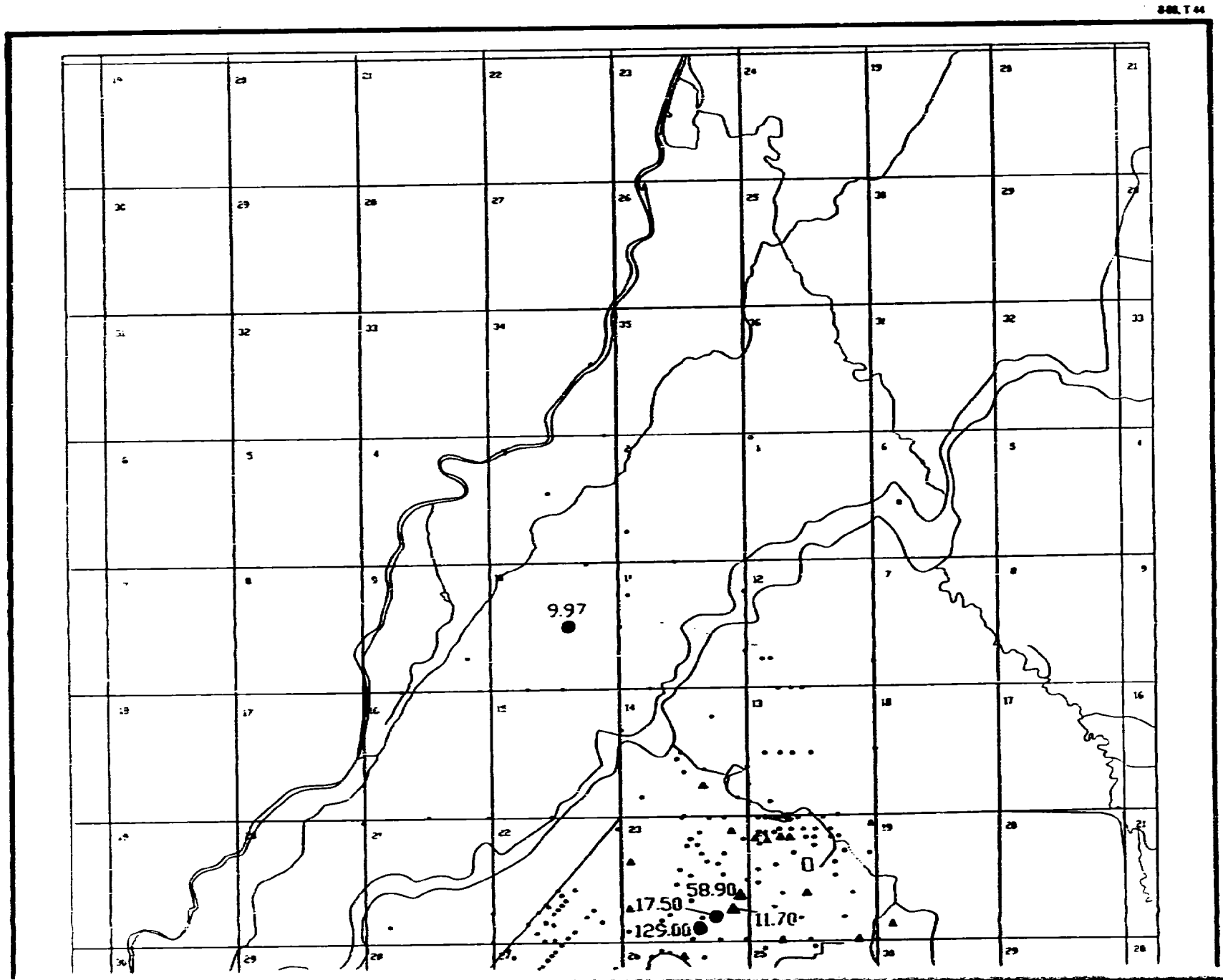
Figure D-20

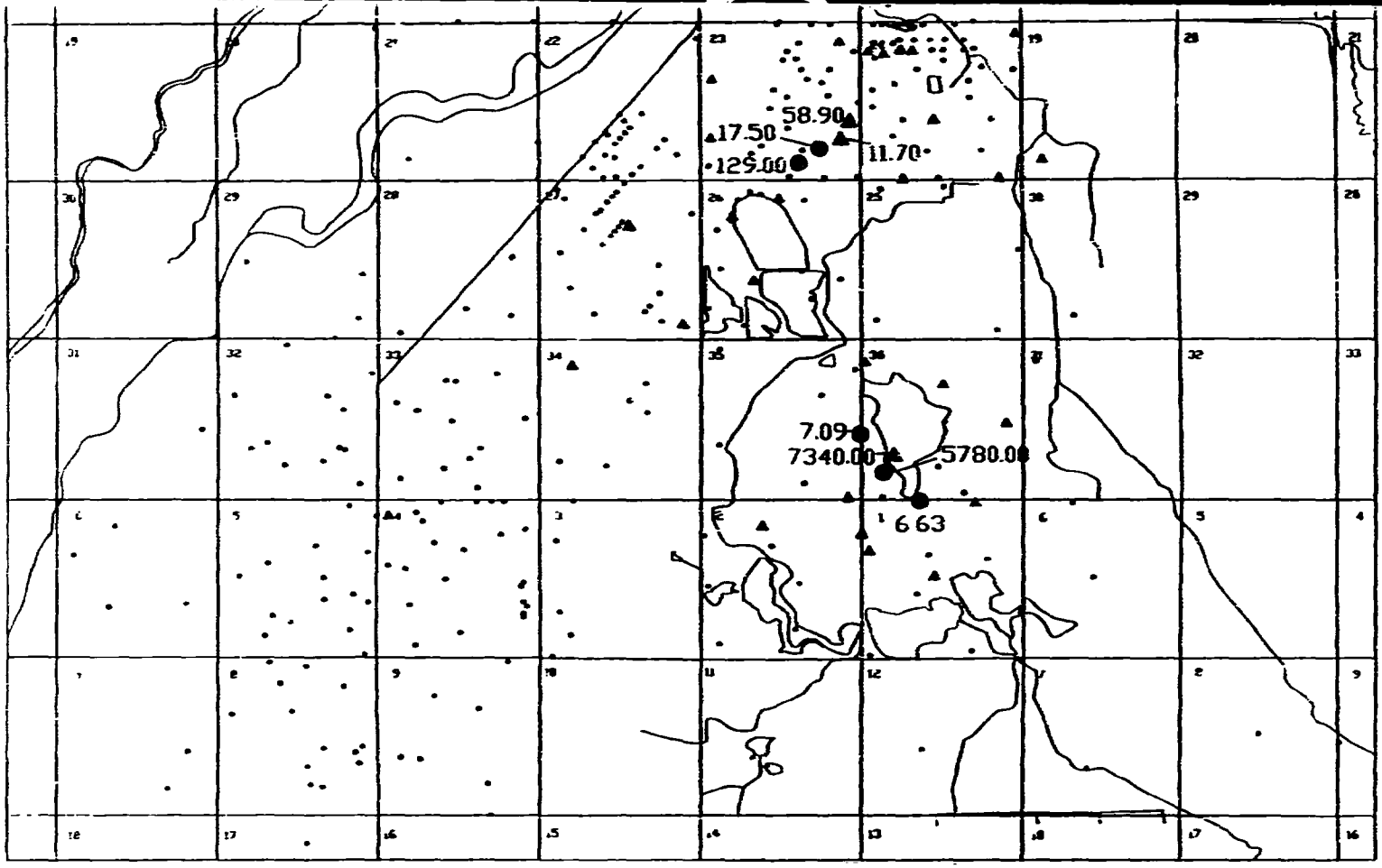
O,P-XYLENE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


9.97
58.90
17.50
11.70
125.00



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

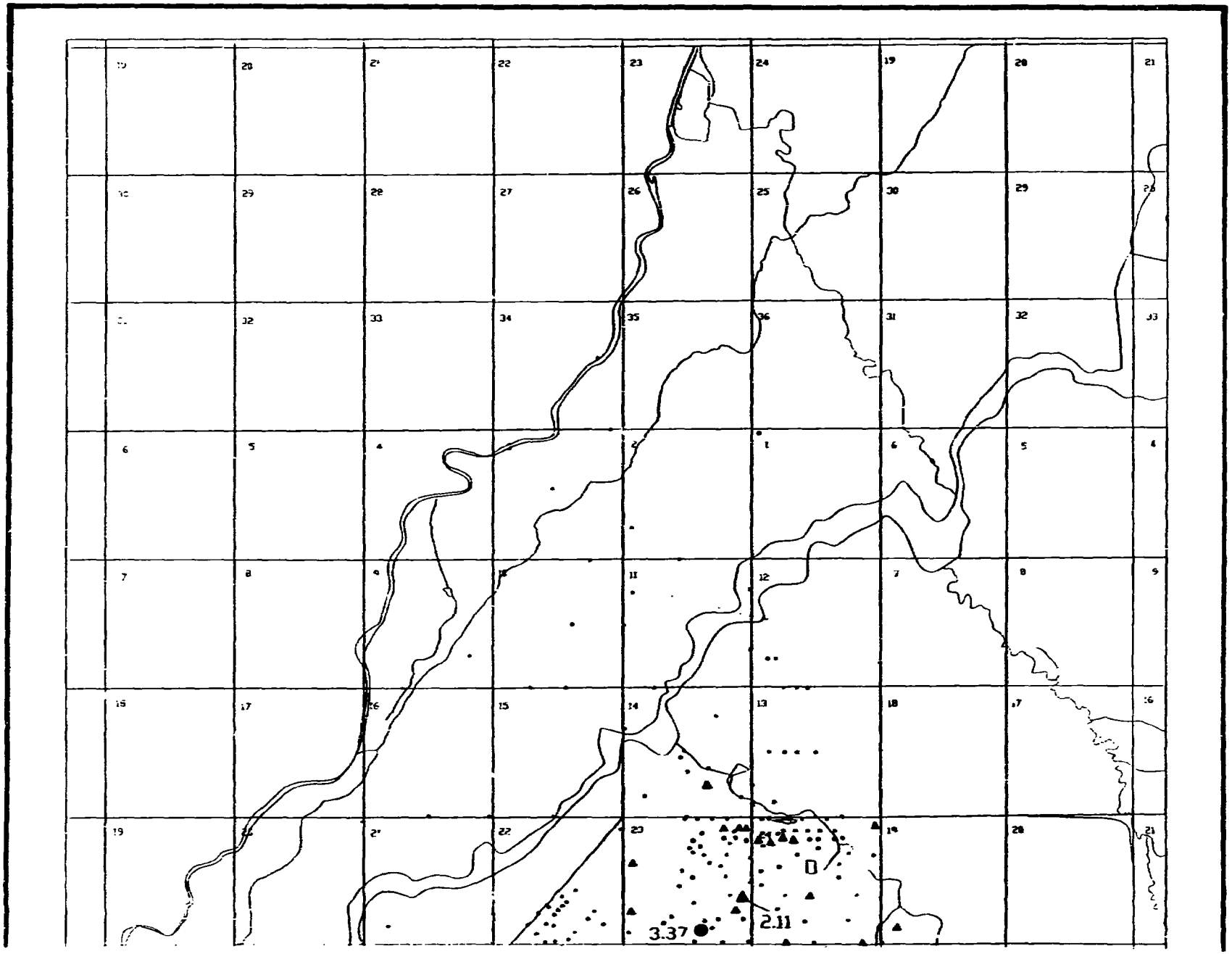
Figure D-21

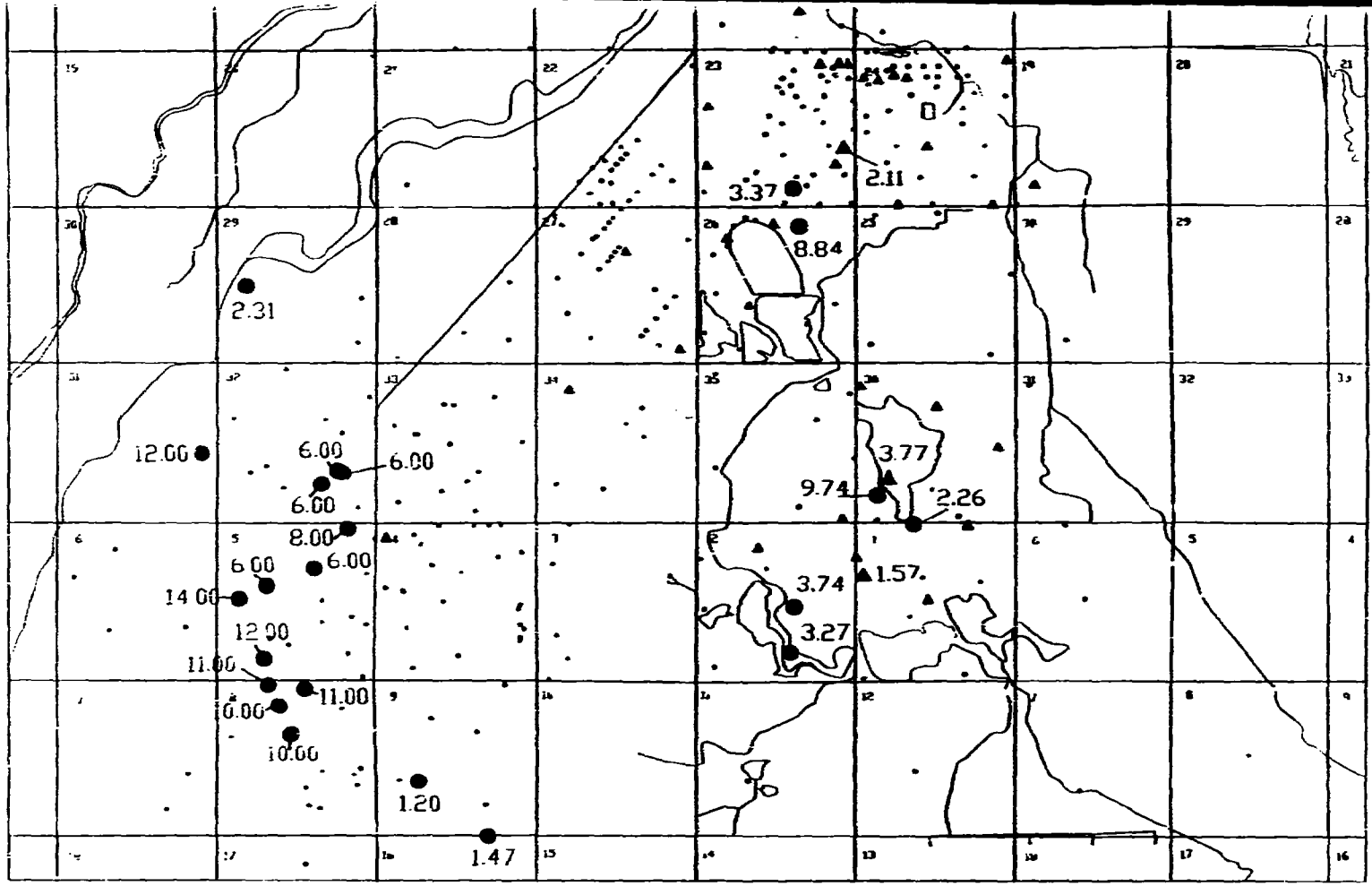
METHYLENE CHLORIDE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


3.37
2.11



EXPLANATION

- Alluvial Well
  172.00
  Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
  10.0
  Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

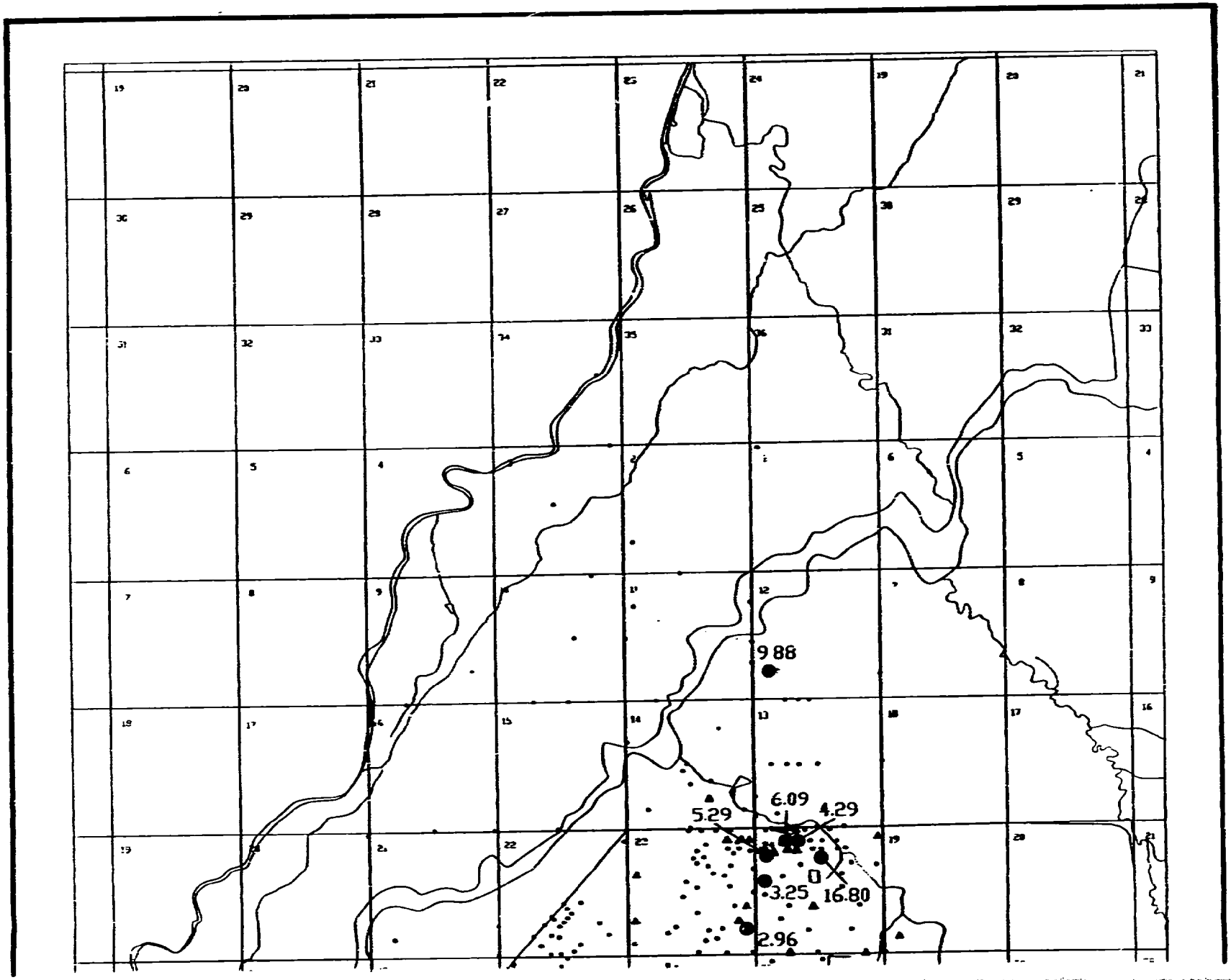
Figure D-22

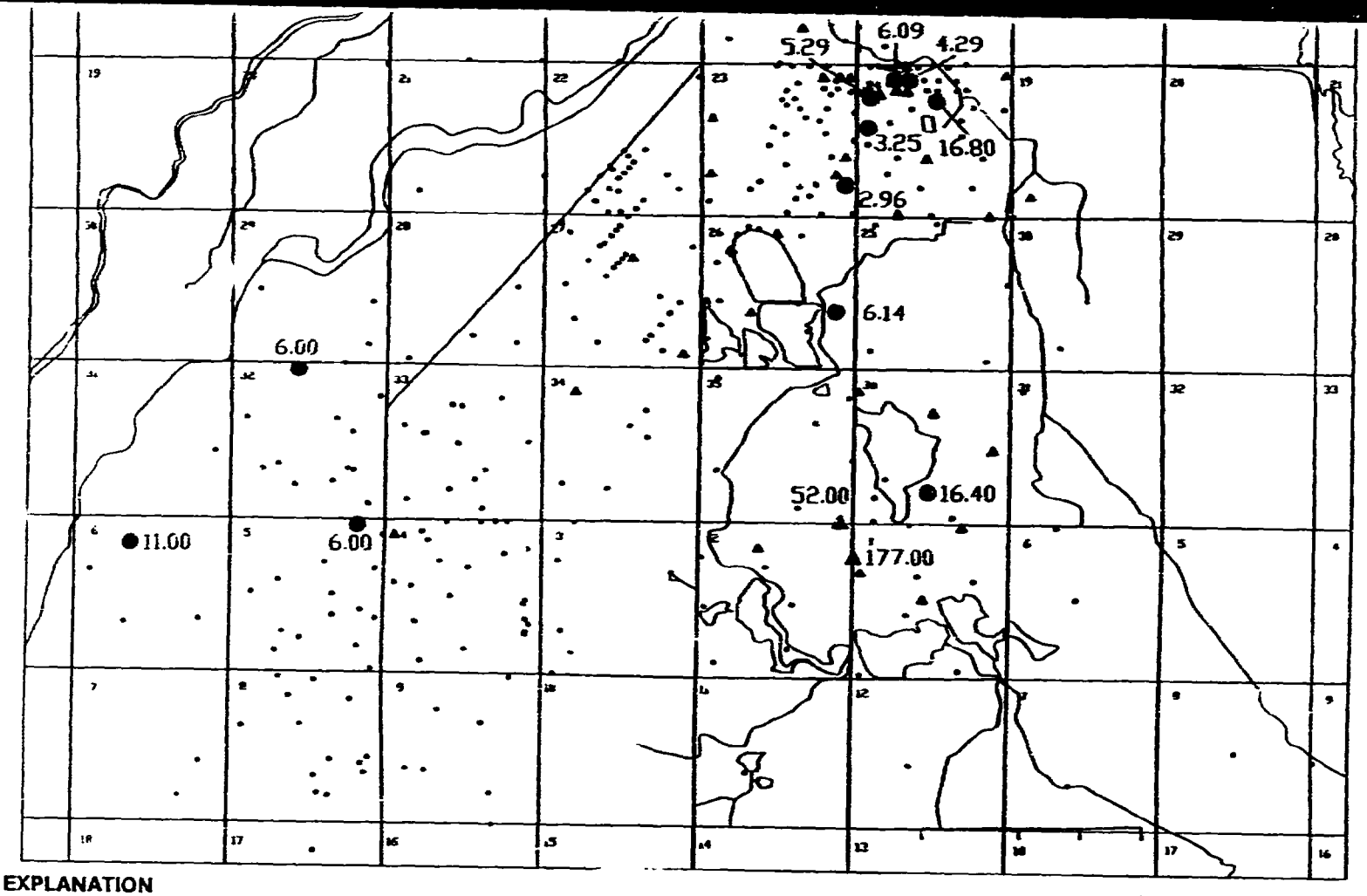
11 DICHLOROETHANE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


9.88
6.09
4.29
5.29
3.25
16.80
2.96



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

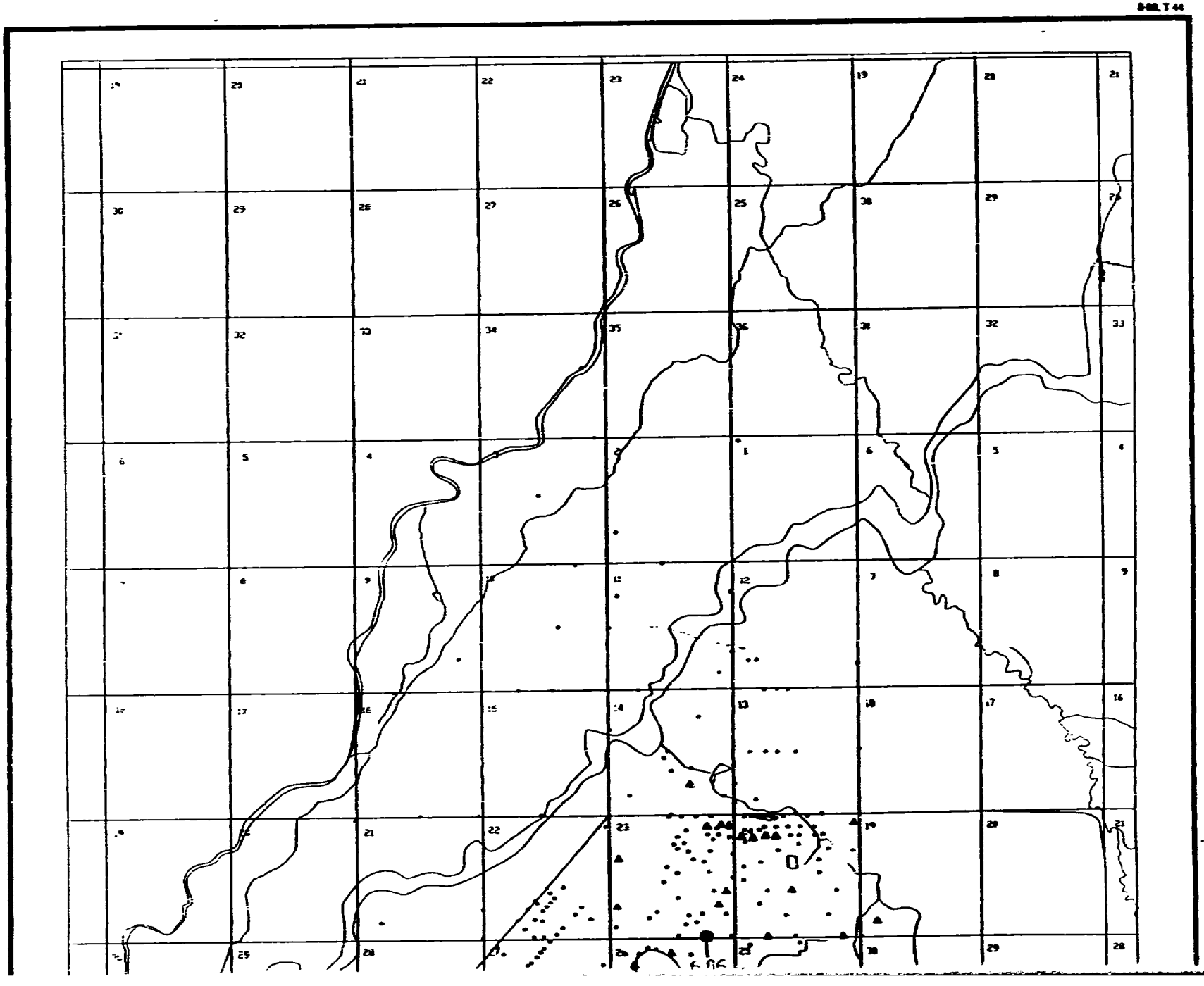
Figure D-23

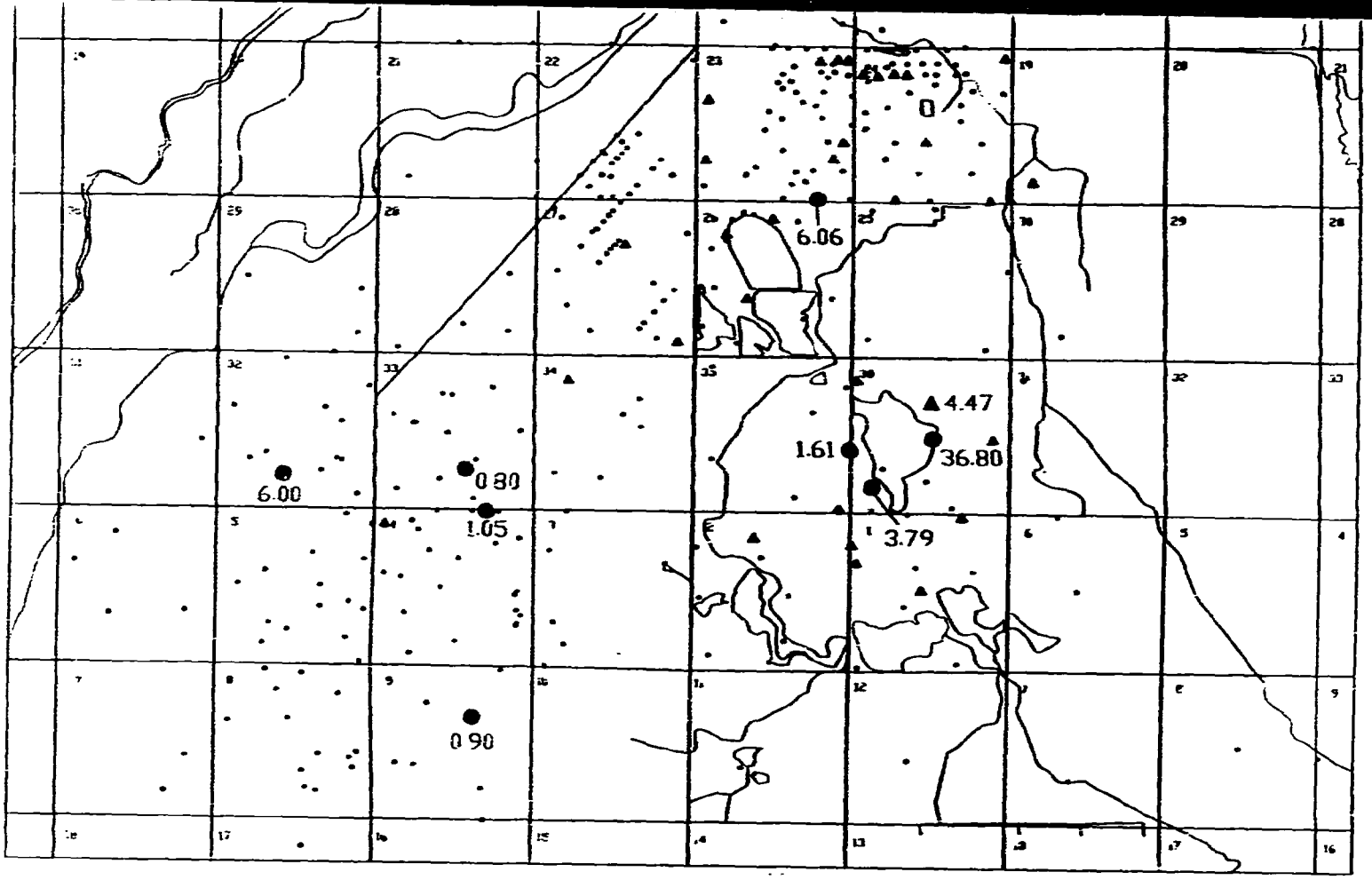
CARBON TETRACHLORIDE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland





EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

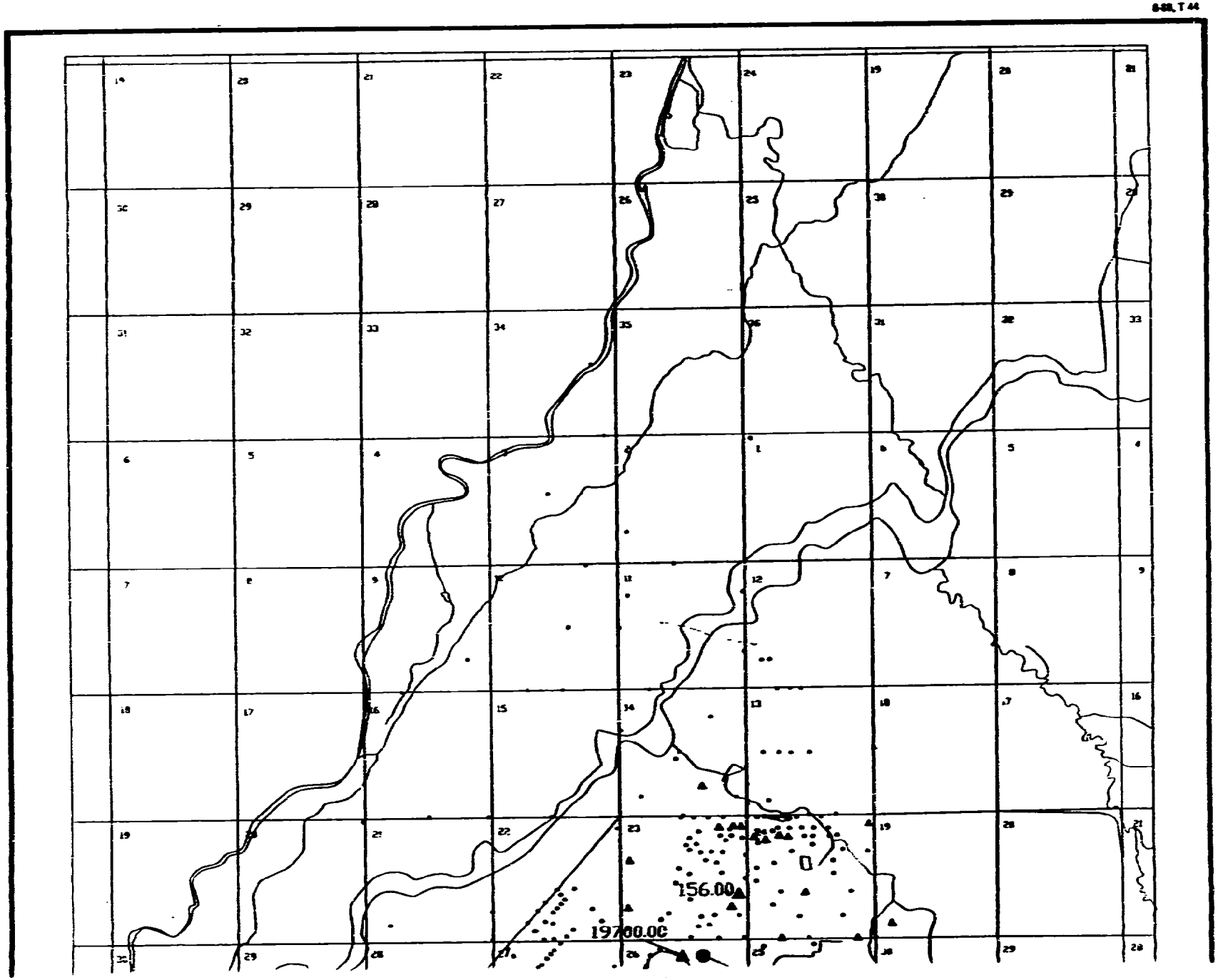
Figure D-24

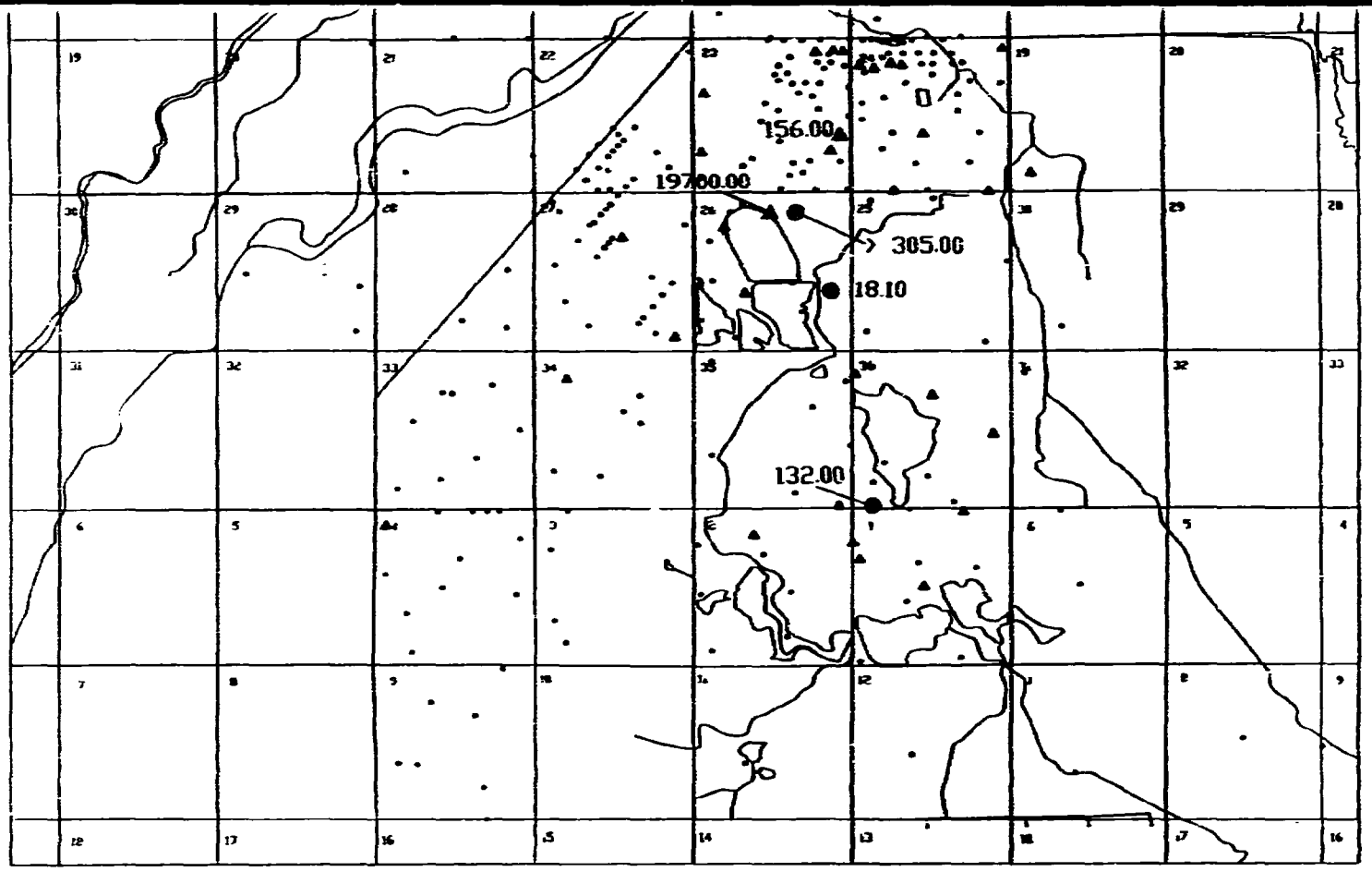
112 TRICHLOROETHANE DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


156.00
19700.00



EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

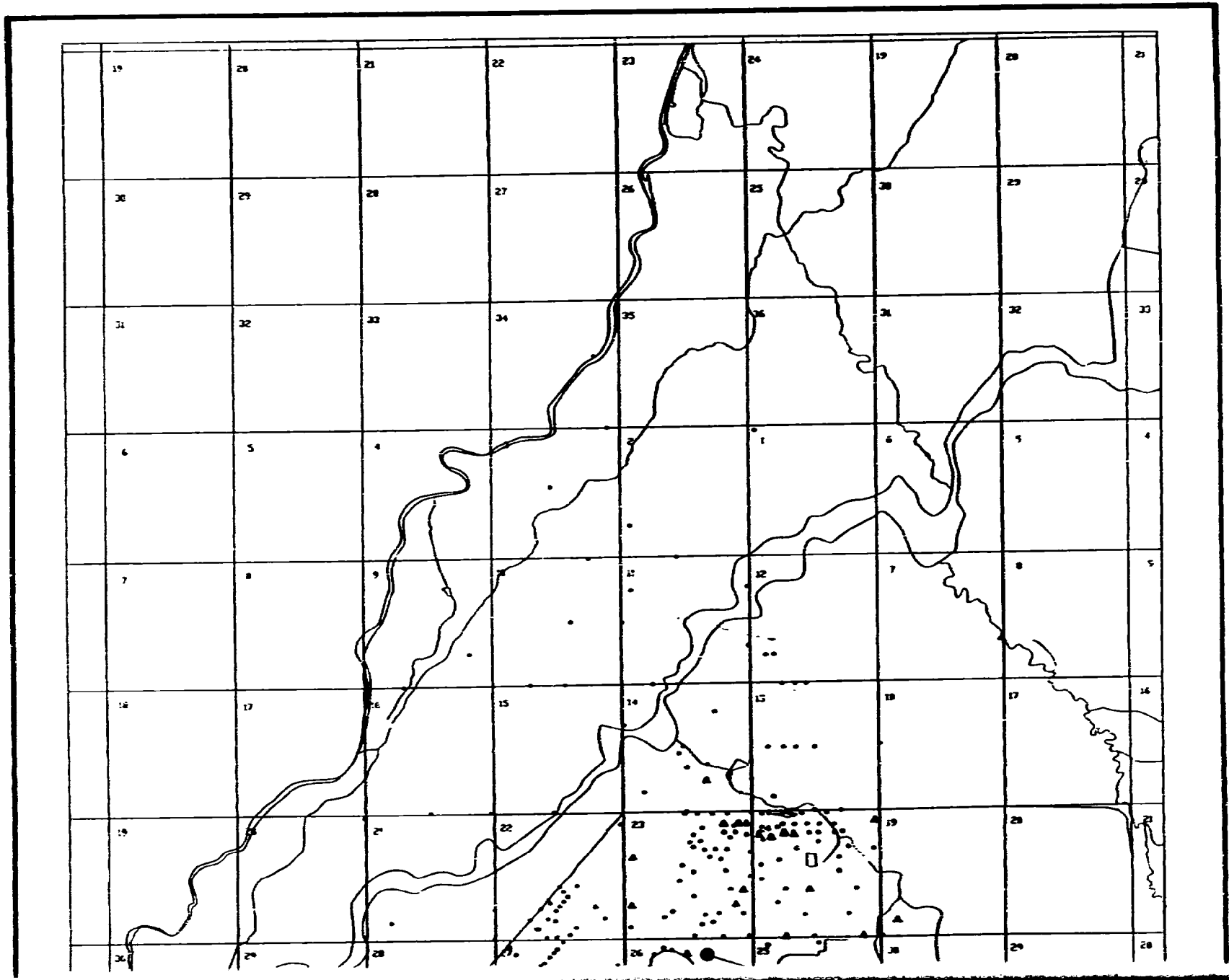
Figure D-25

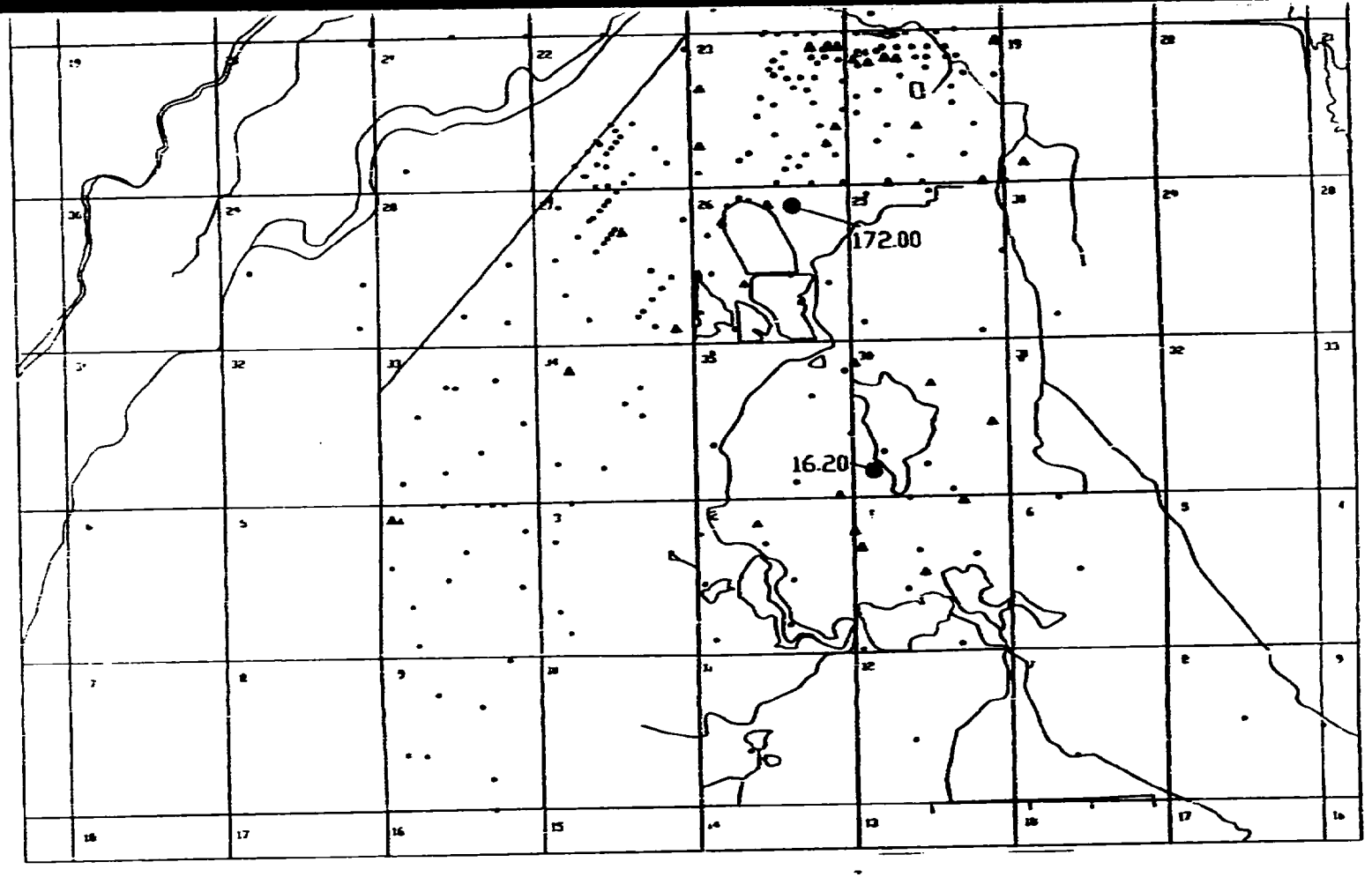
DMMP DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland





EXPLANATION

- Alluvial Well
- 172.00 Alluvial Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

N

0 5000

Scale in Feet

Figure D-26

MIBK DETECTIONS UNCONFINED GROUNDWATER FLOW SYSTEM
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

APPENDIX D.5: DENVER FM POINTS PLOTS (D-27 TO D-168)

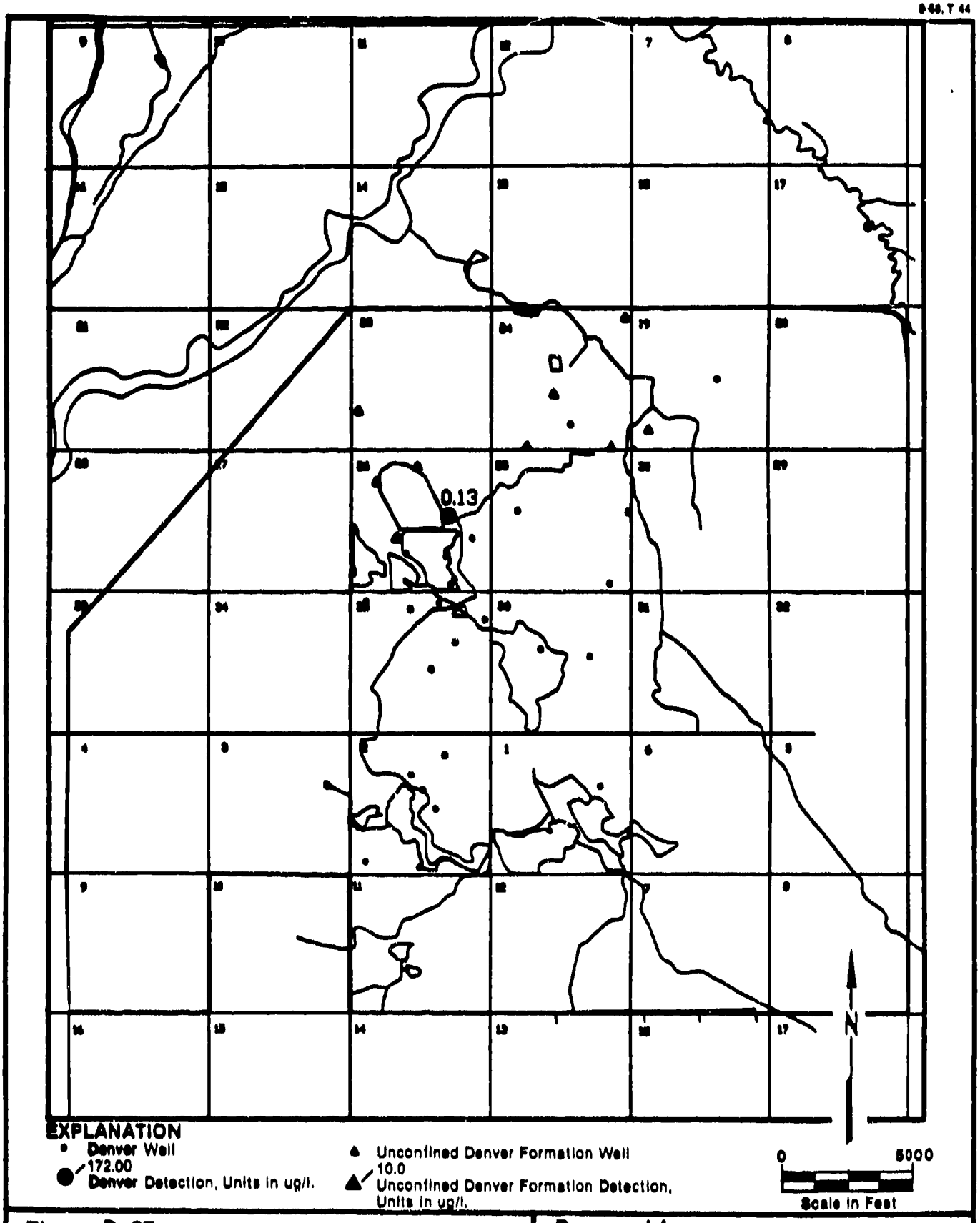
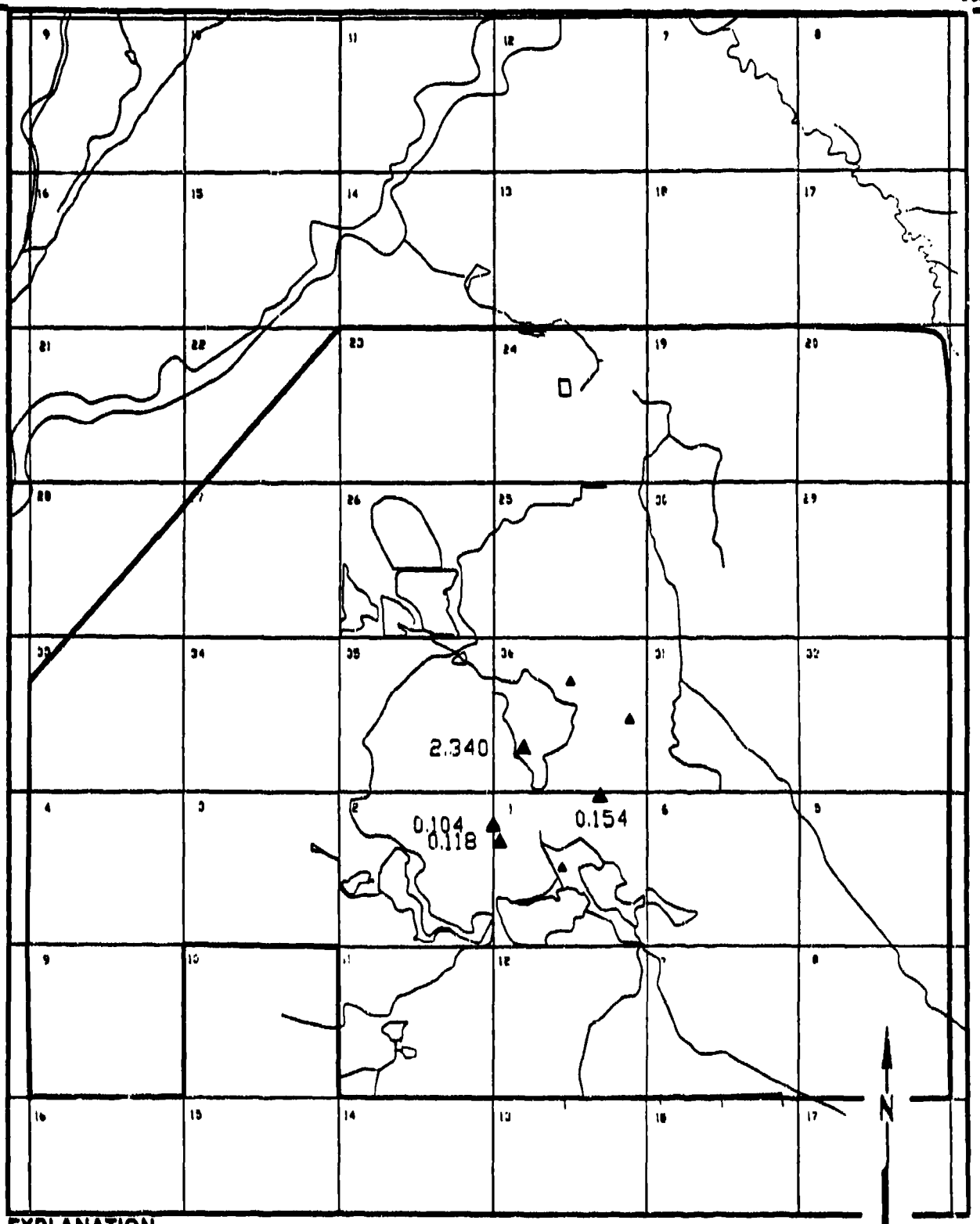


Figure D-27
ALDRIN DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-28

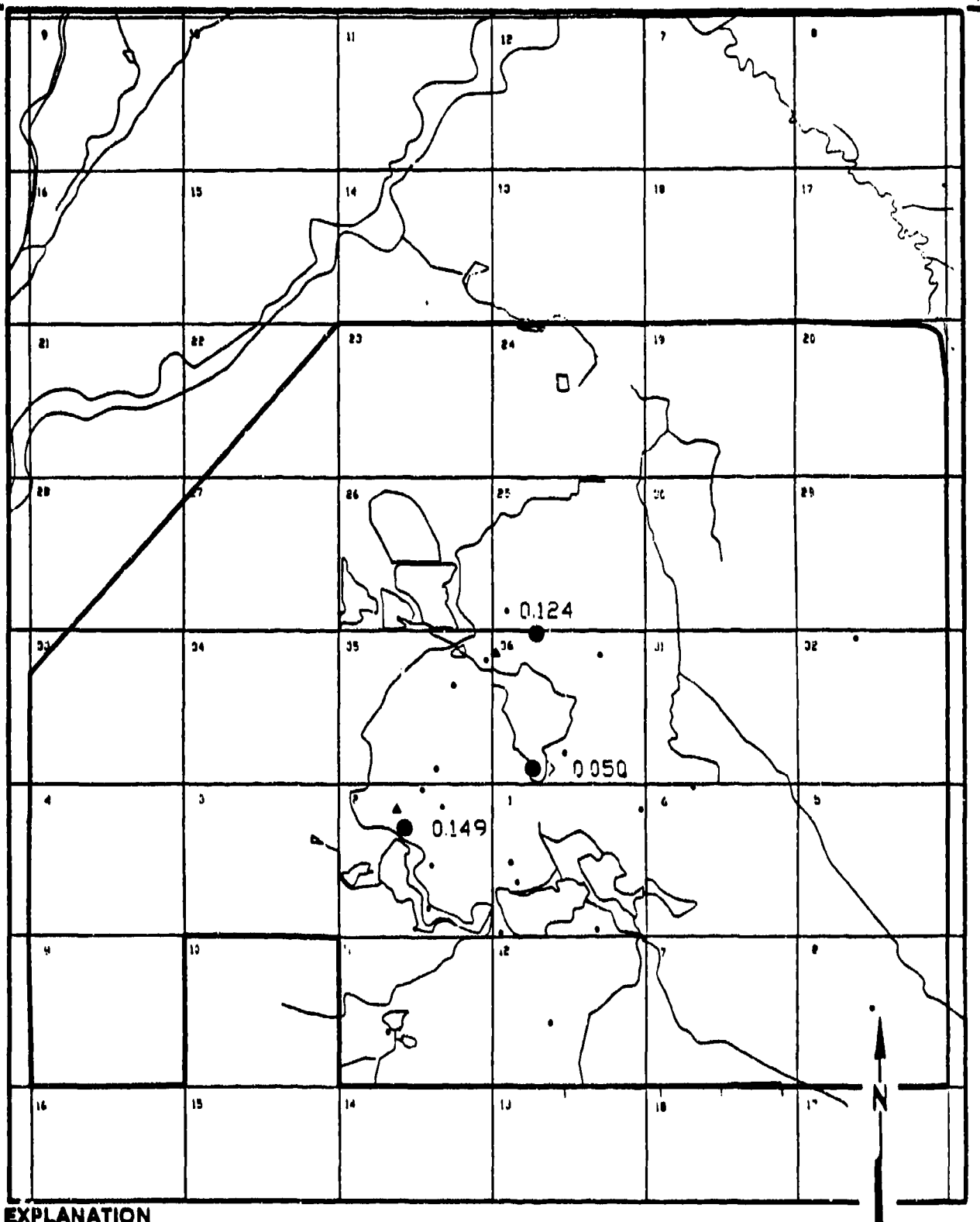
DIELDRIN DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-29
DIELDRIN DETECTIONS DENVER ZONE A
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

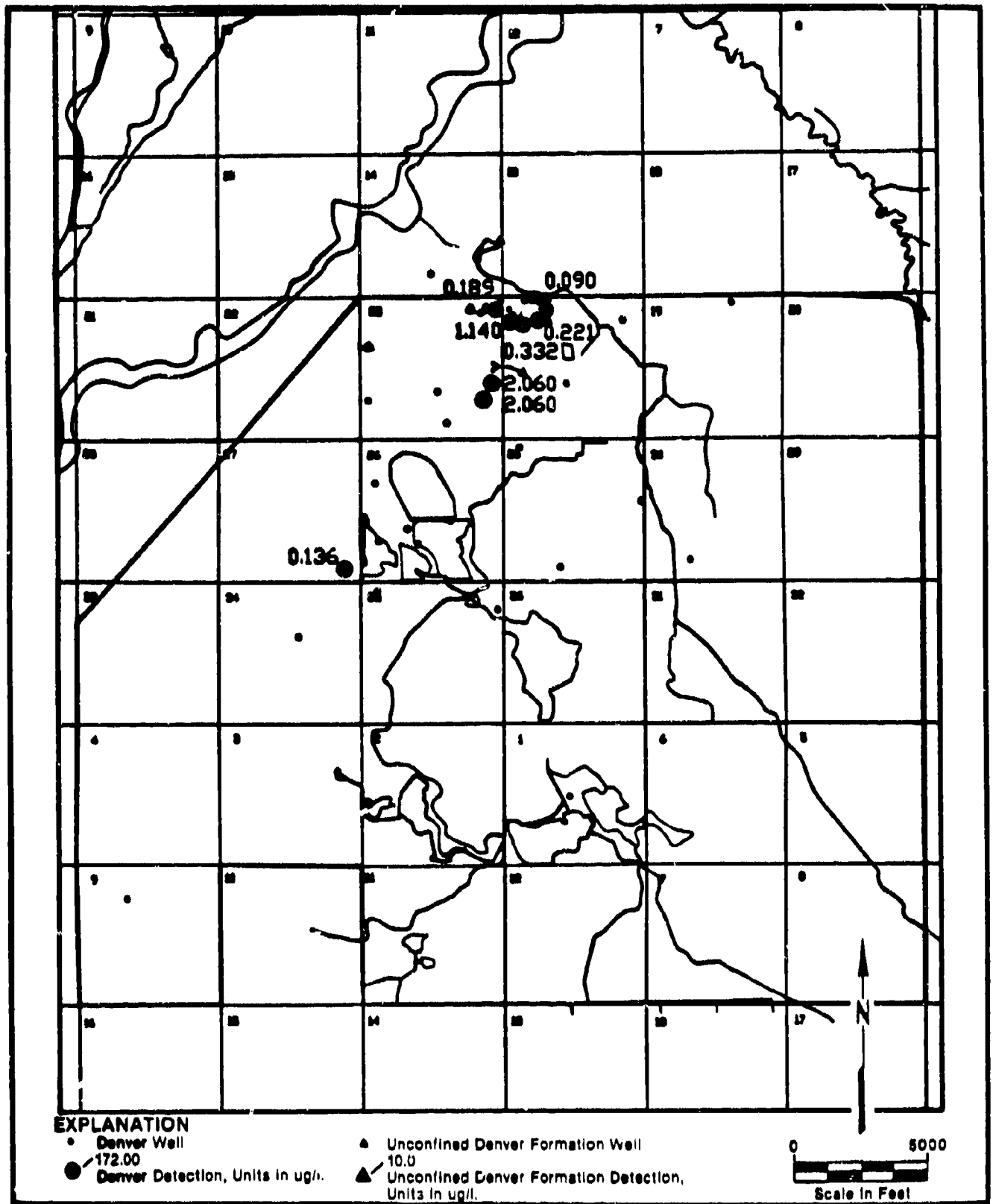
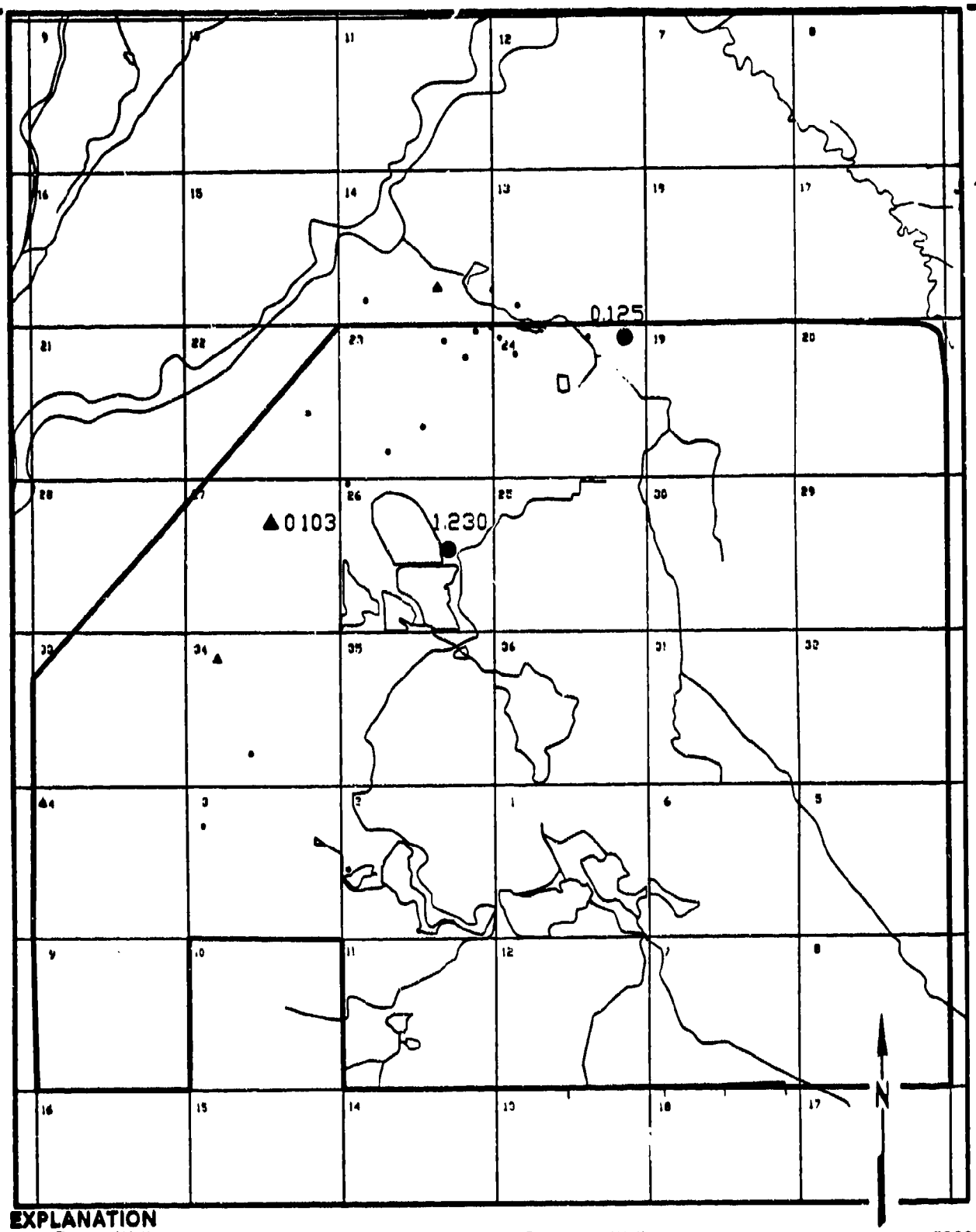


Figure D-30
DIELDRIN DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-31
DIELDRIN DETECTIONS DENVER ZONE 3
3RD QUARTER FY 1987

SOURCE: Nuller/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

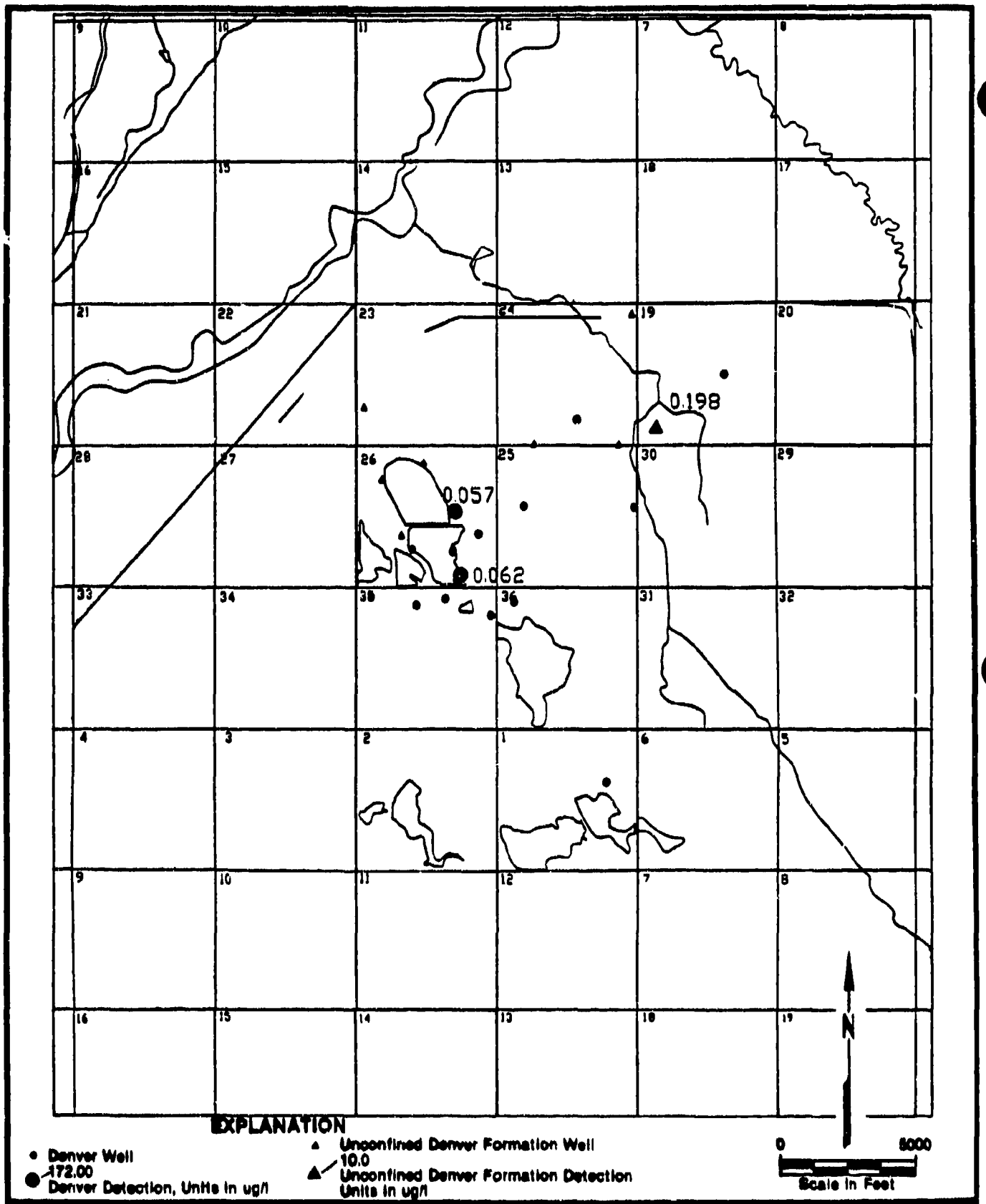


Figure D-32

ENDRIN DETECTIONS DENVER ZONE 1,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

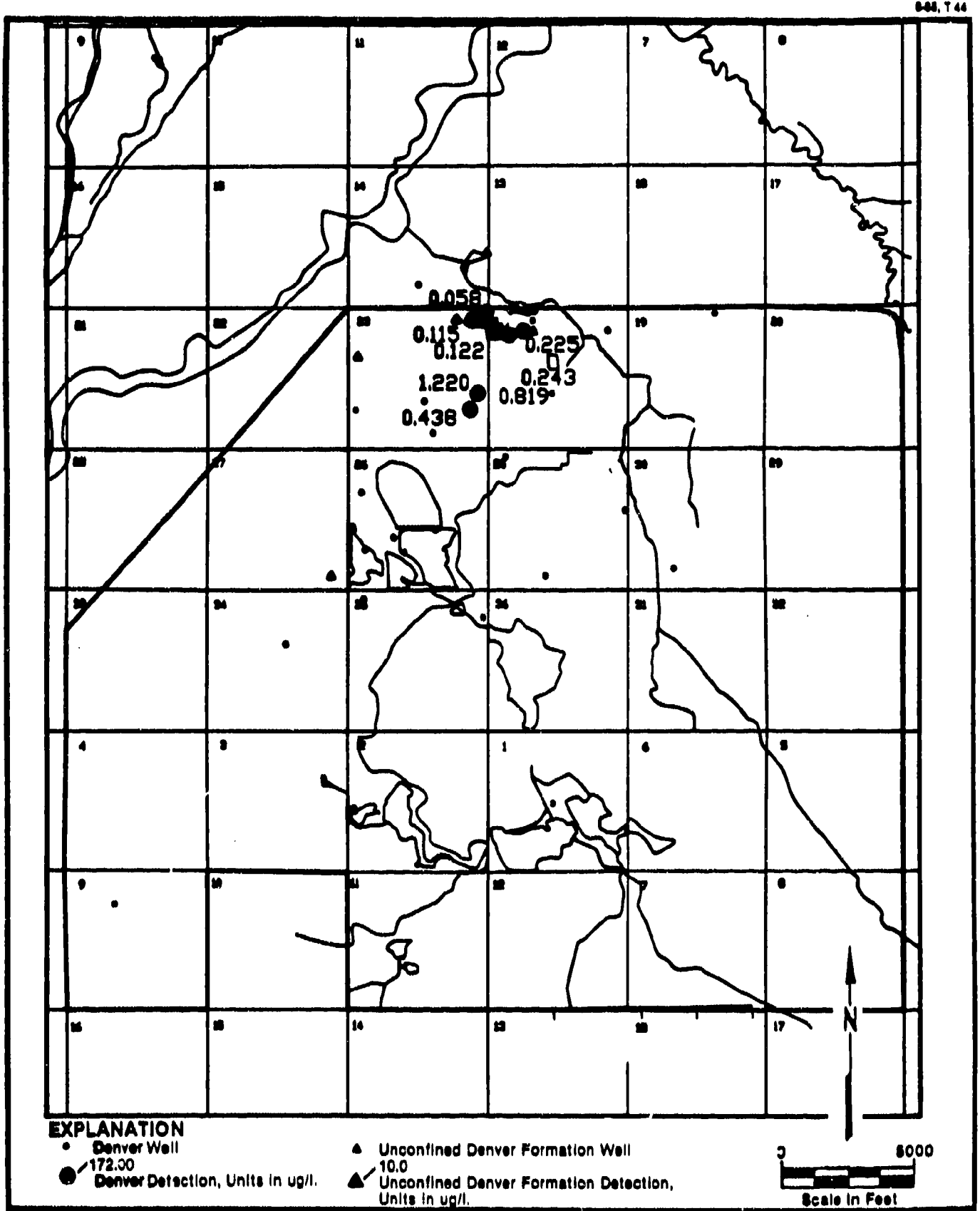


Figure D-33

ENDRIN DETECTIONS DENVER ZONE 2 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

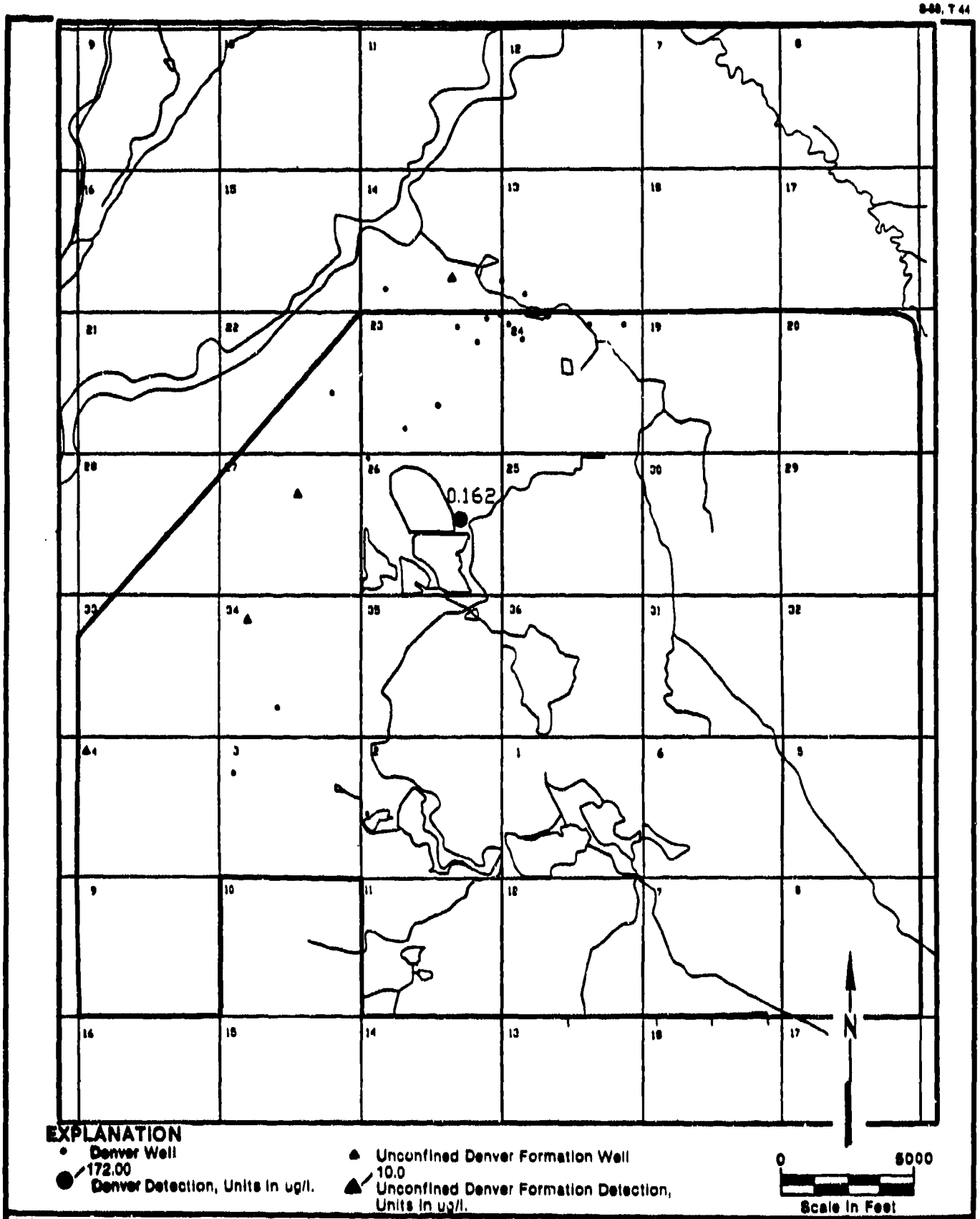


Figure D-34

ENDRIN DETECTIONS DENVER ZONE 3 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

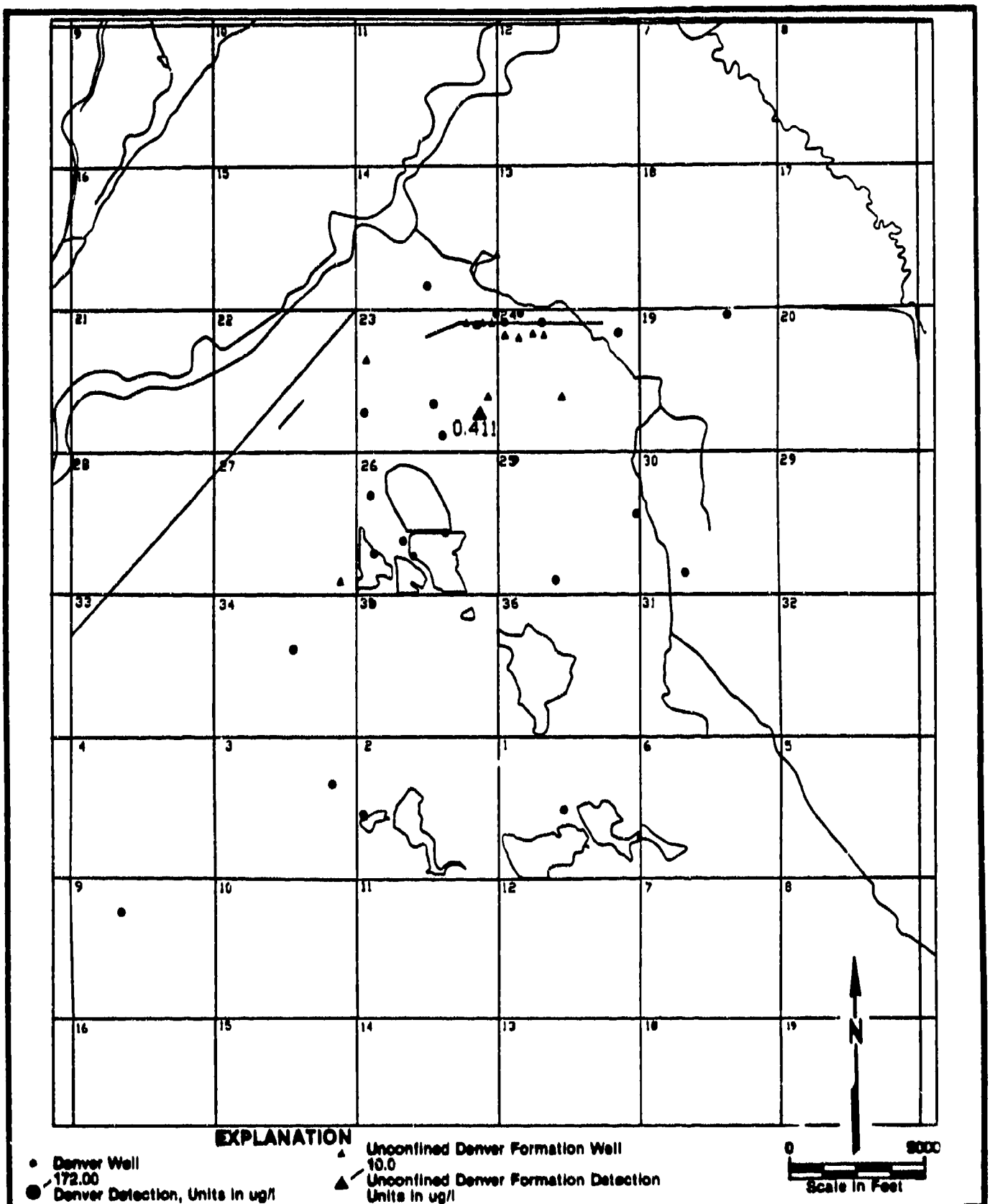


Figure D-35

ISODRIN DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

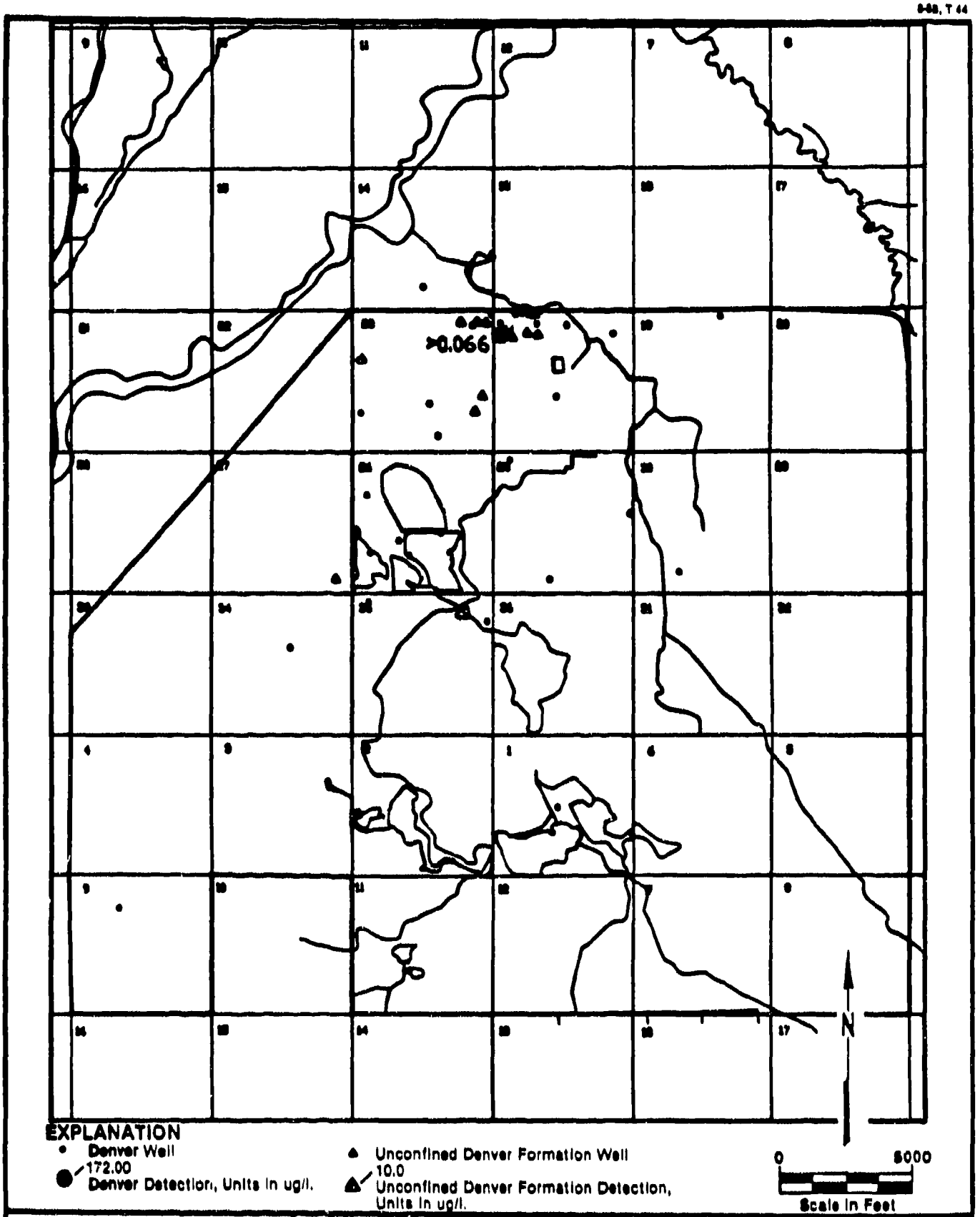
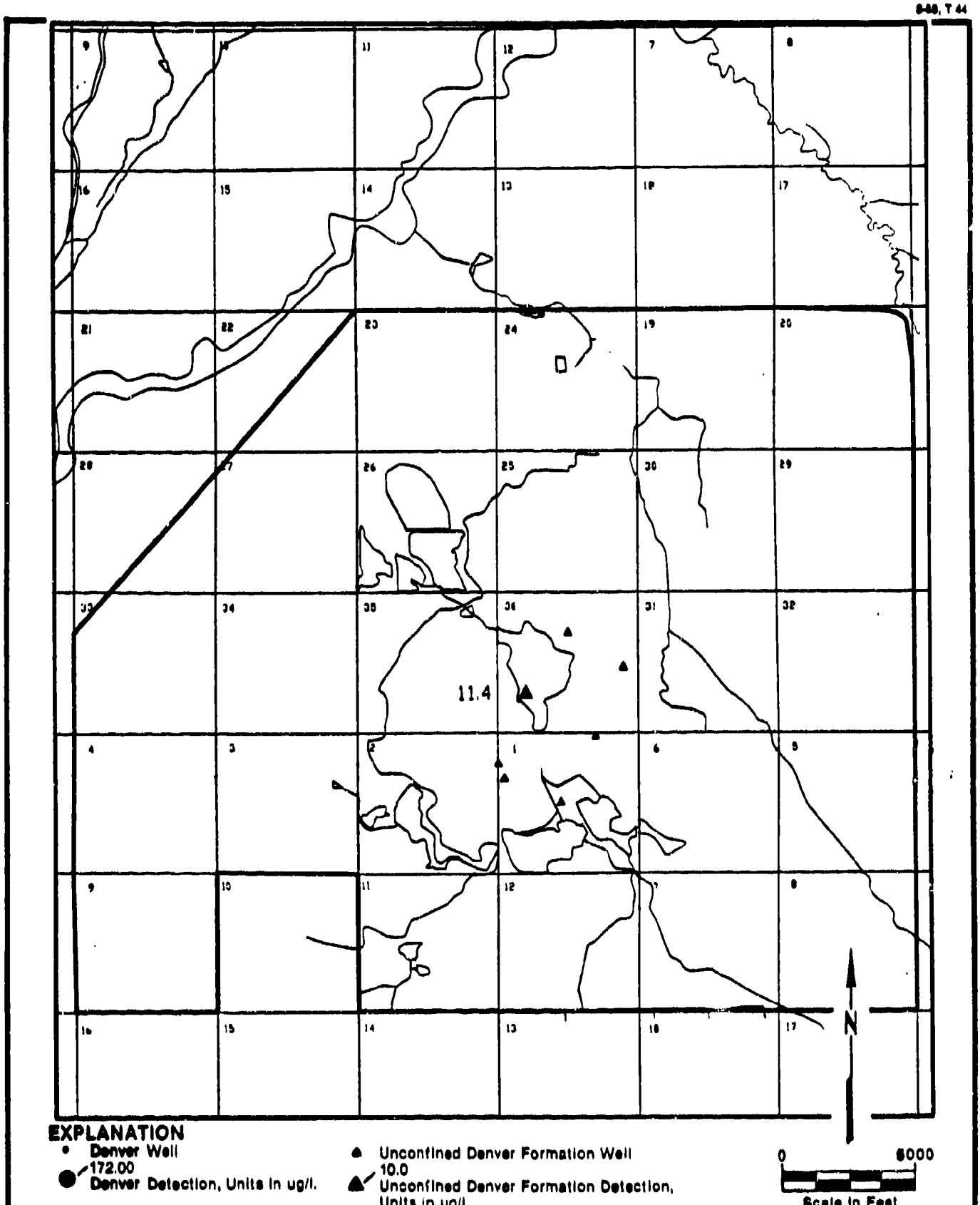


Figure D-36
PP-DDT DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-37
DMDS DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

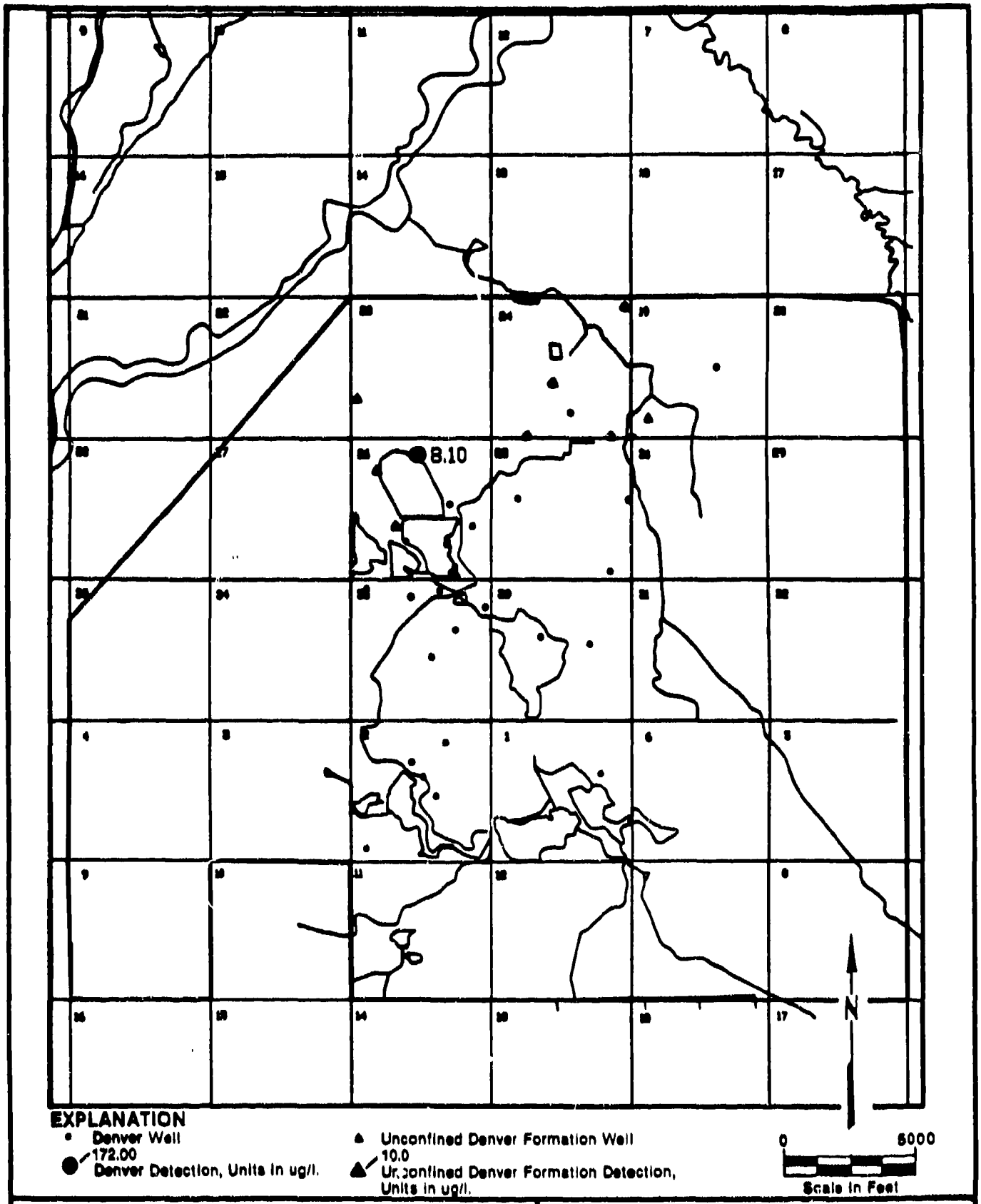


Figure D-38
DMDS DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

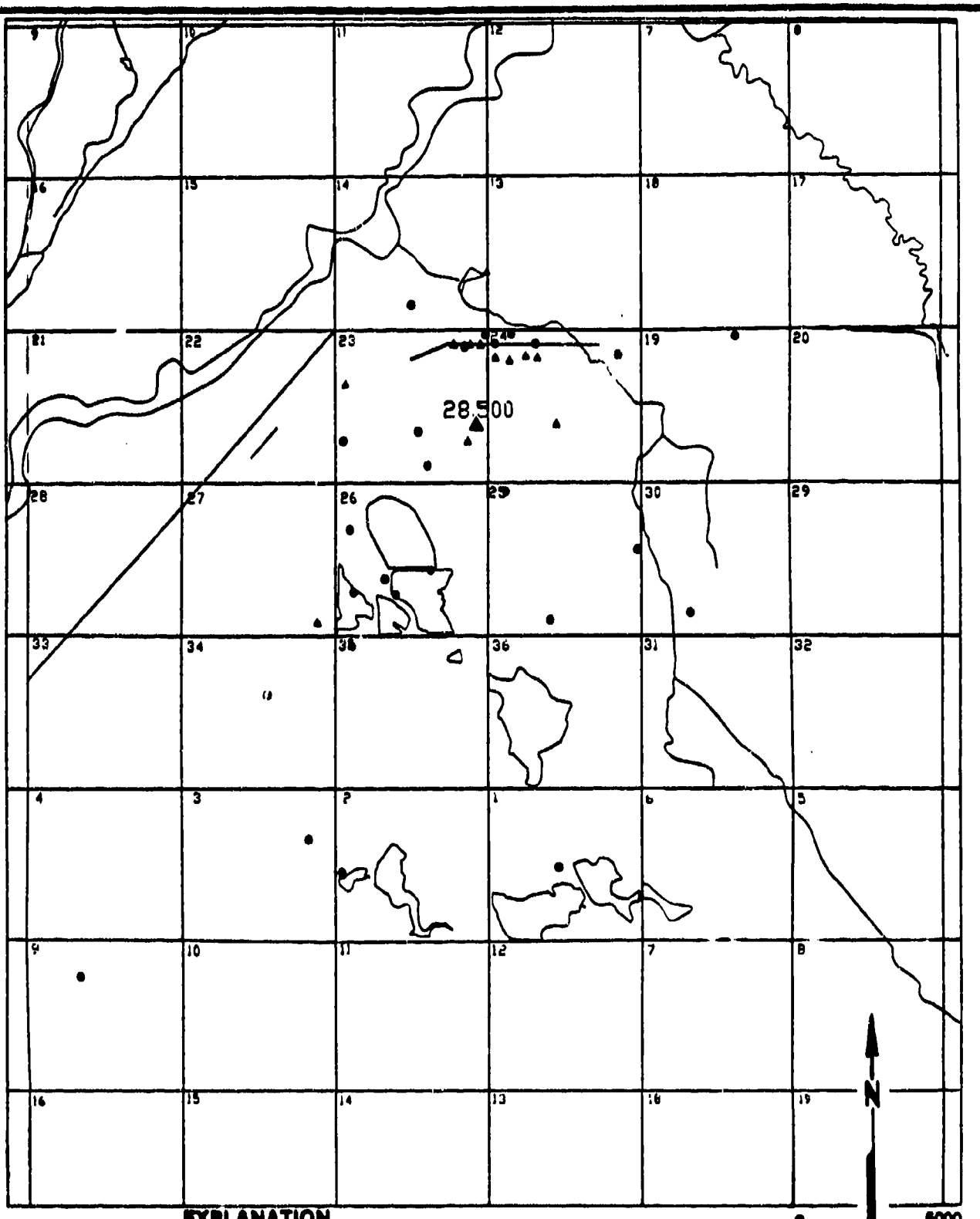
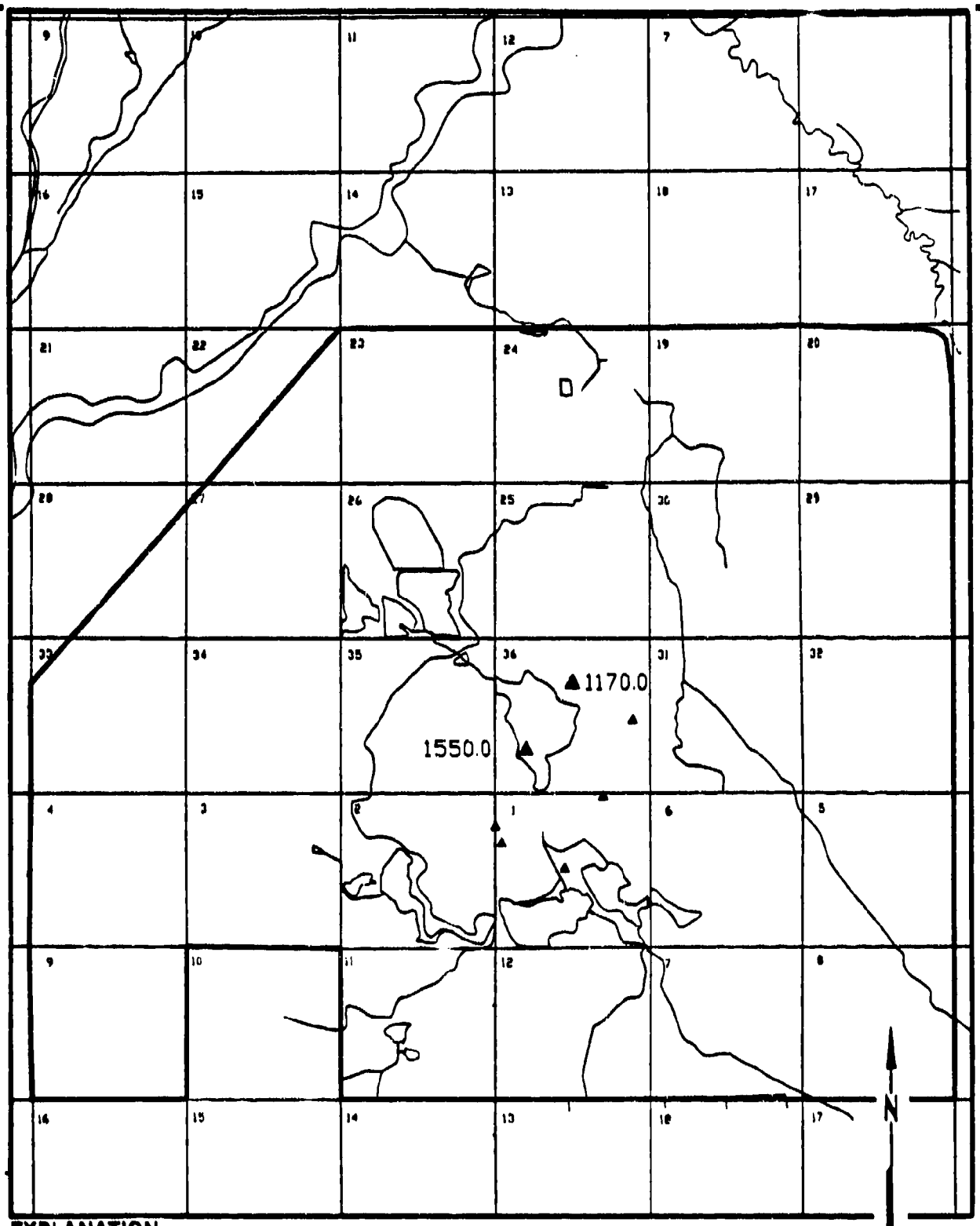


Figure D-39

DMDS DETECTIONS DENVER ZONE 2,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

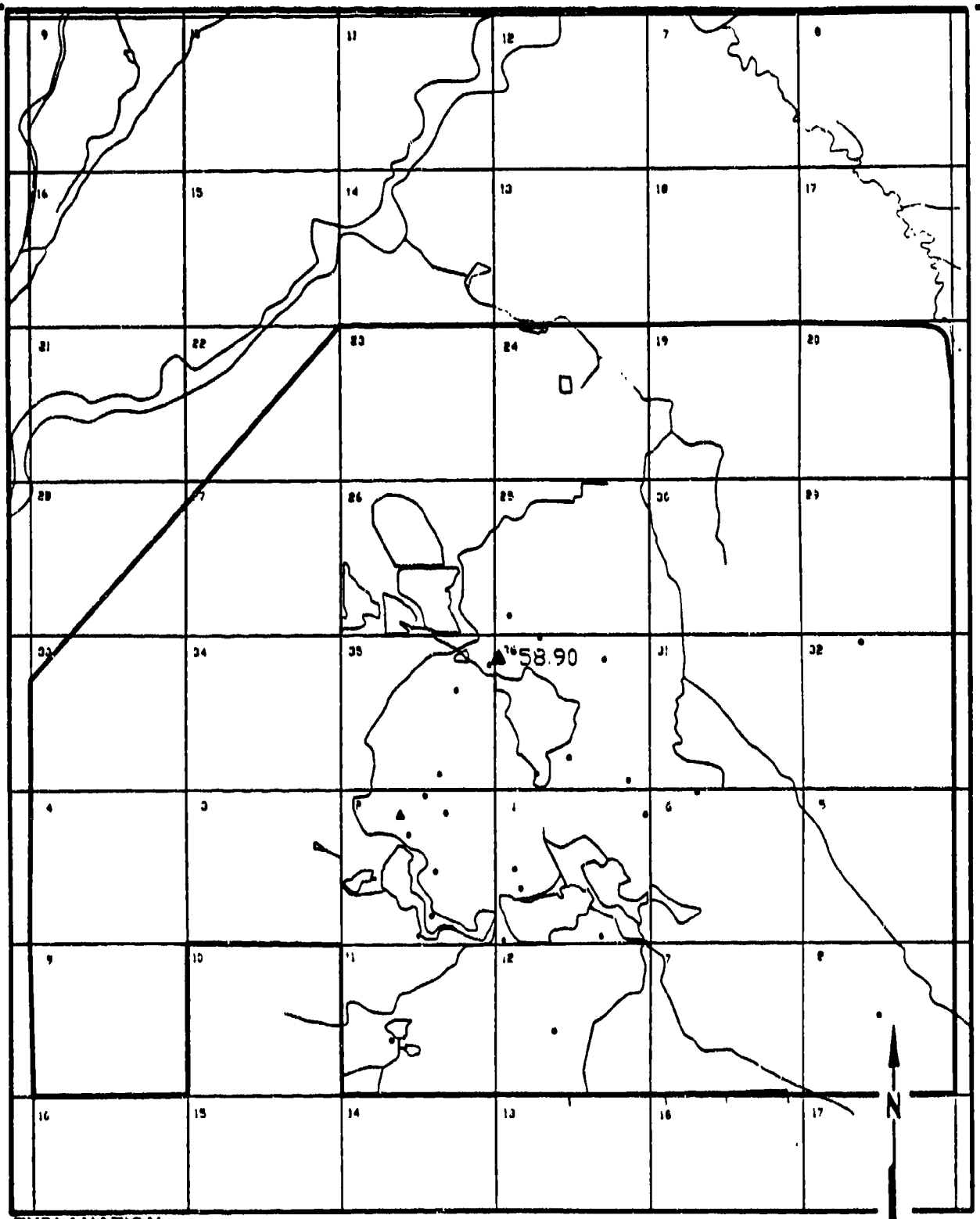
- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-40
OXATHIANE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-41

OXATHIANE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

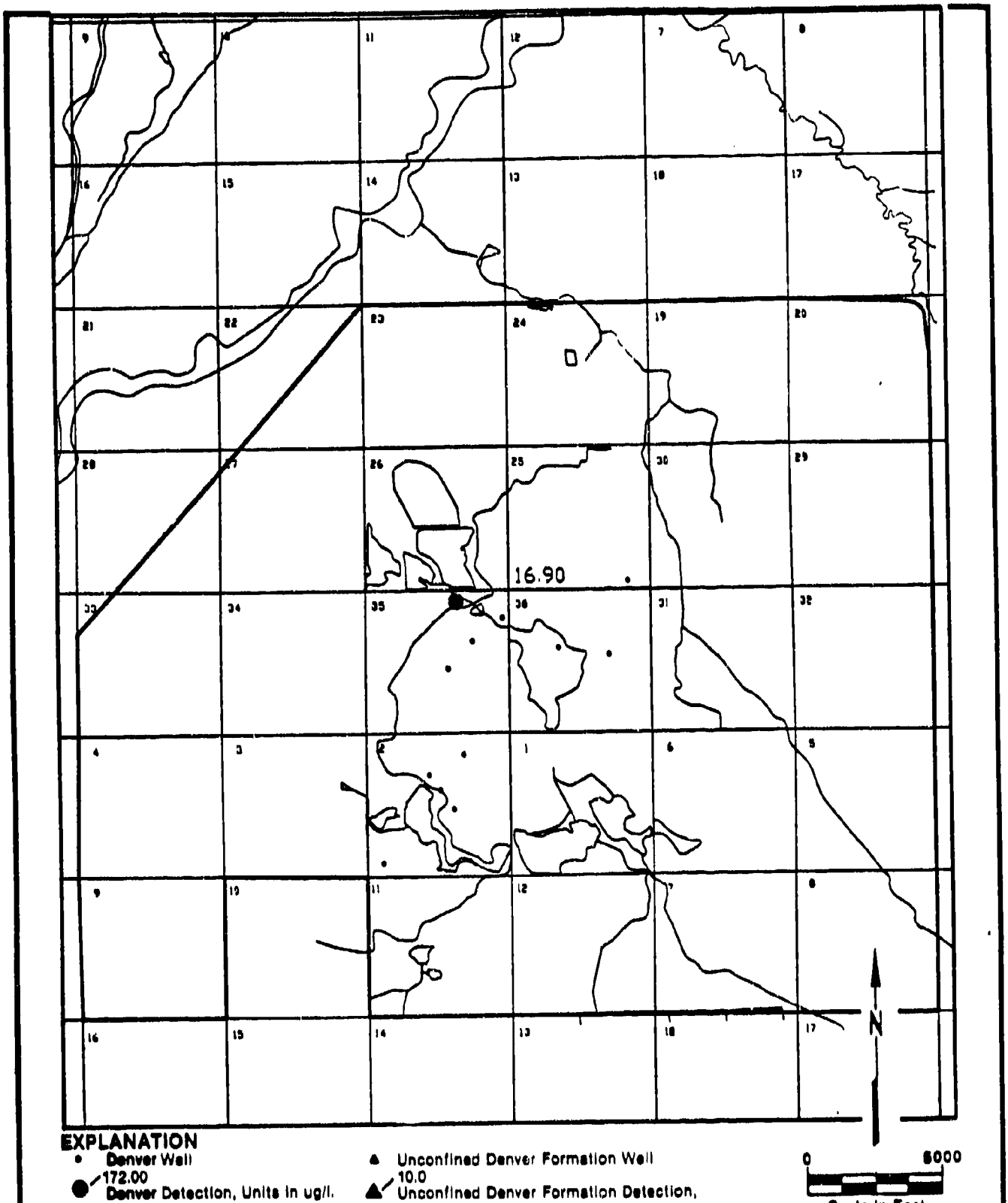


Figure D-42
OXATHIANE DETECTIONS DENVER ZONE 1U
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

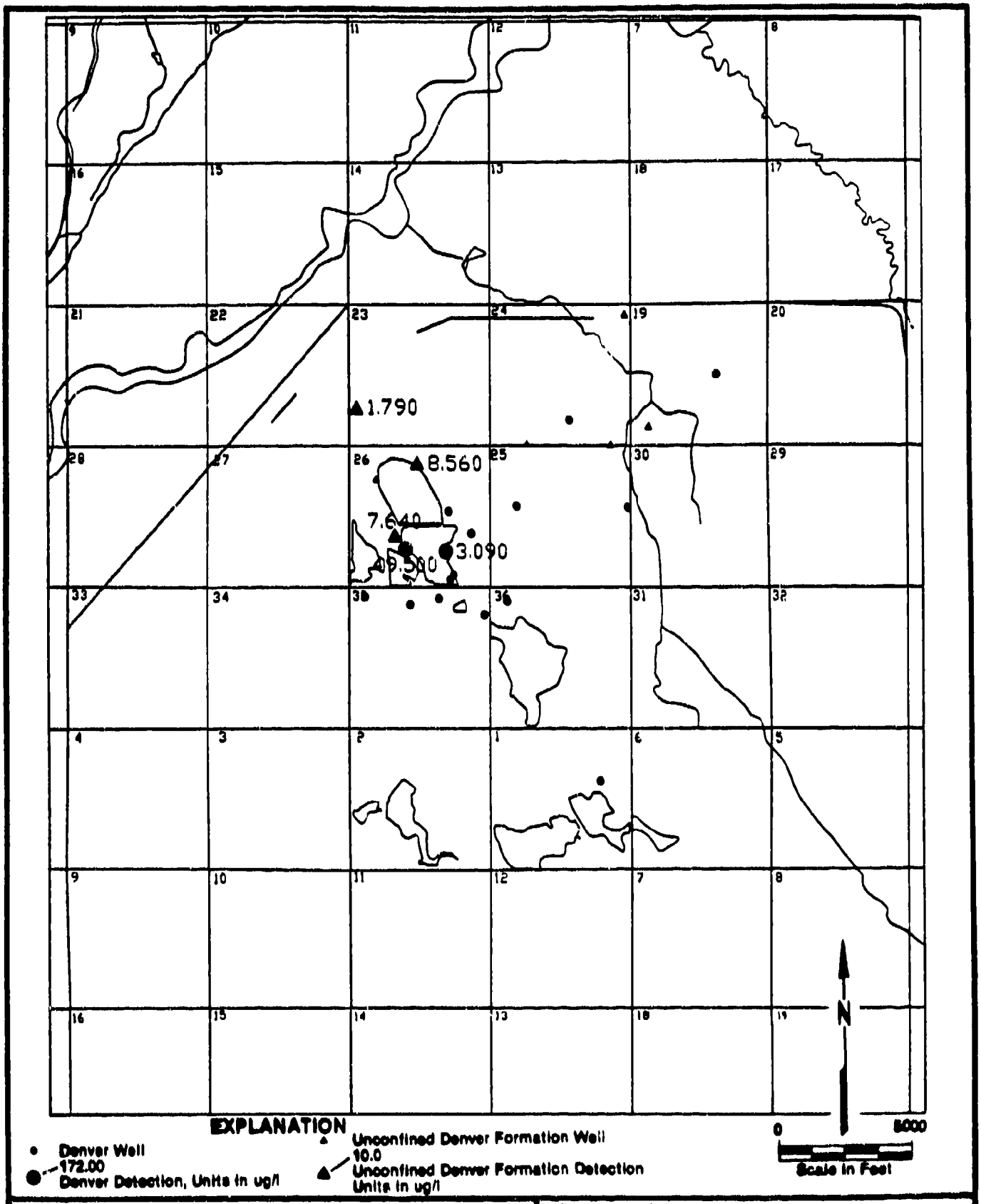


Figure D-43

OXATHIANE DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

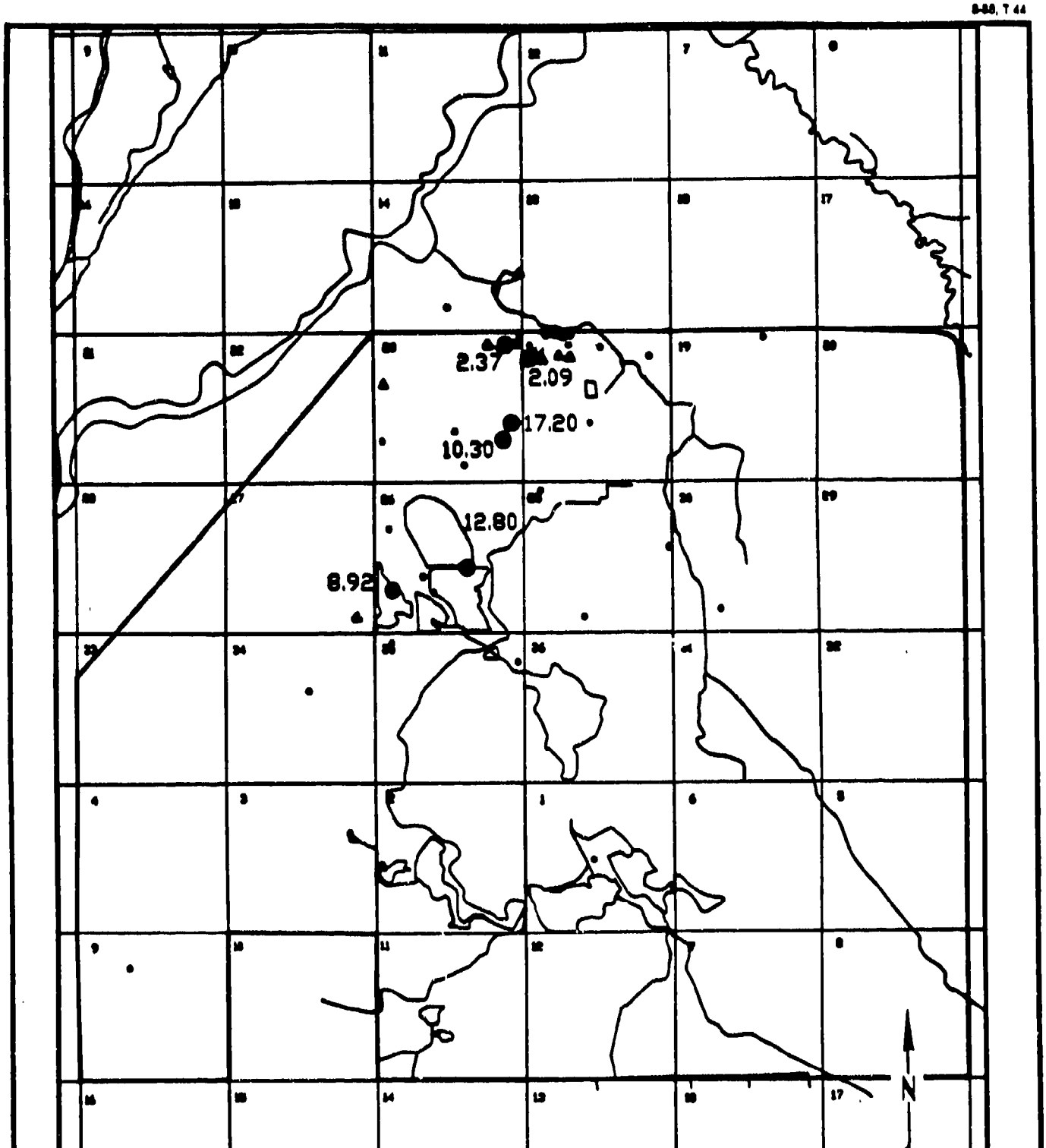
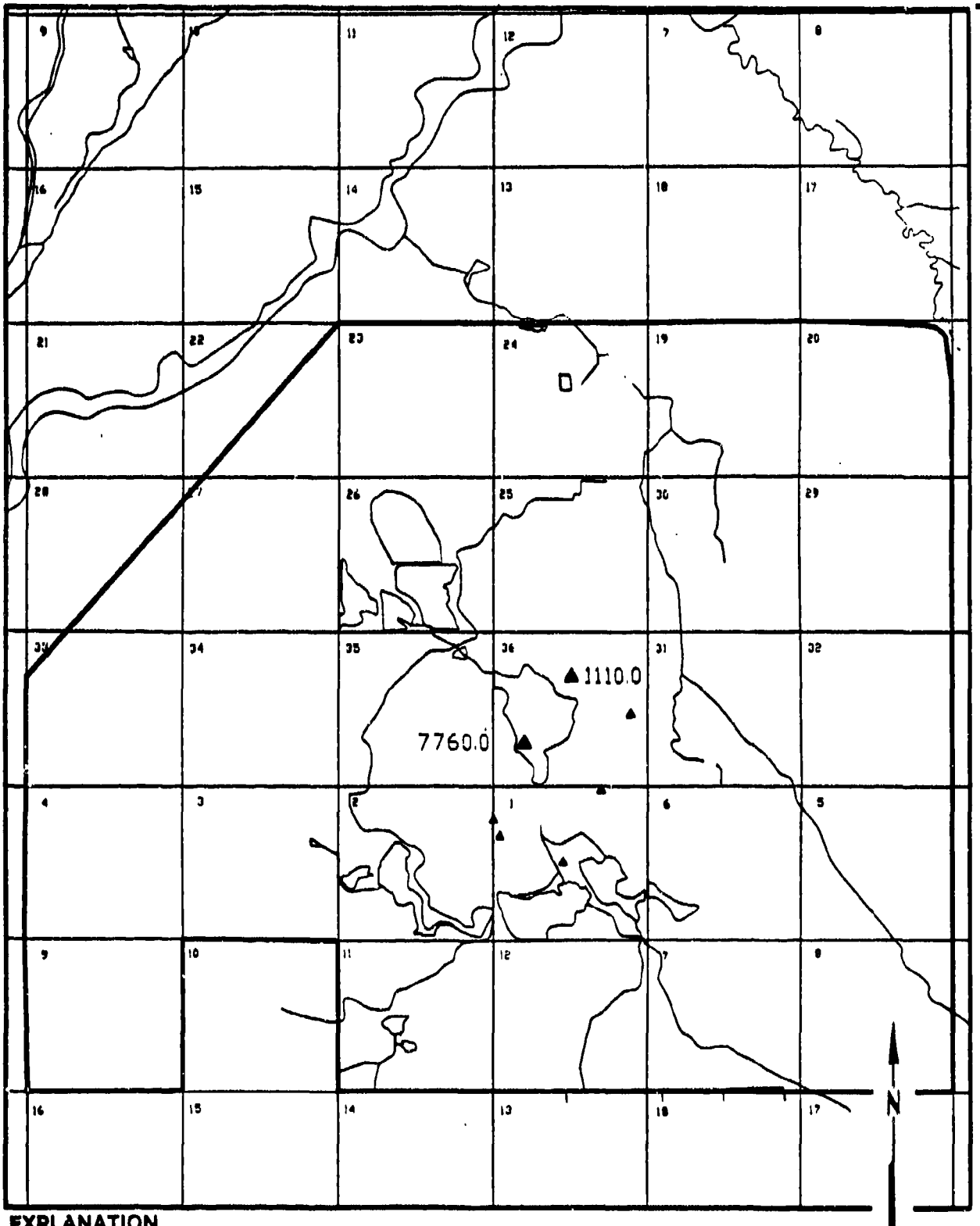


Figure D-44
OXATHIANE DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



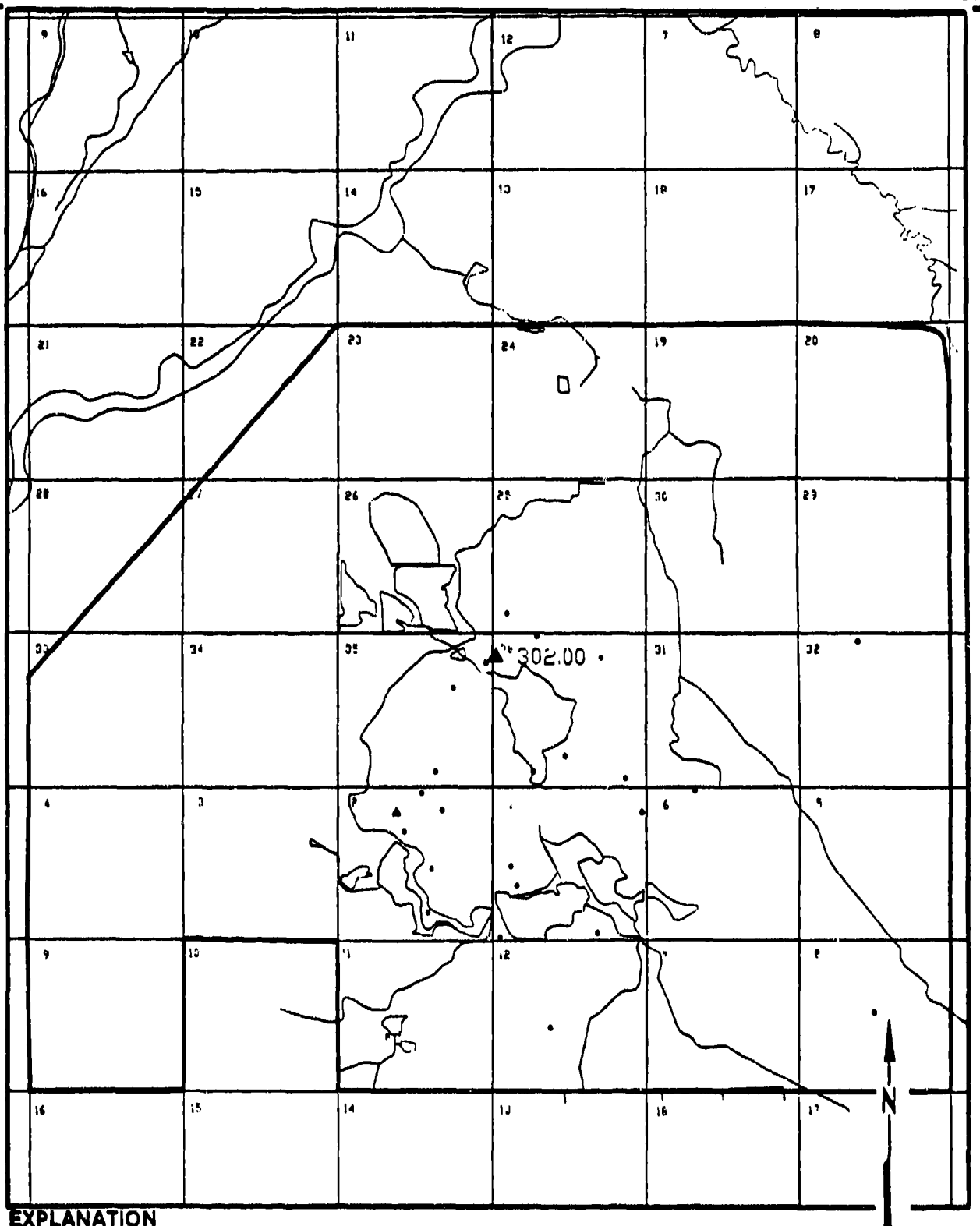
EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-45
DITHIANE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-46

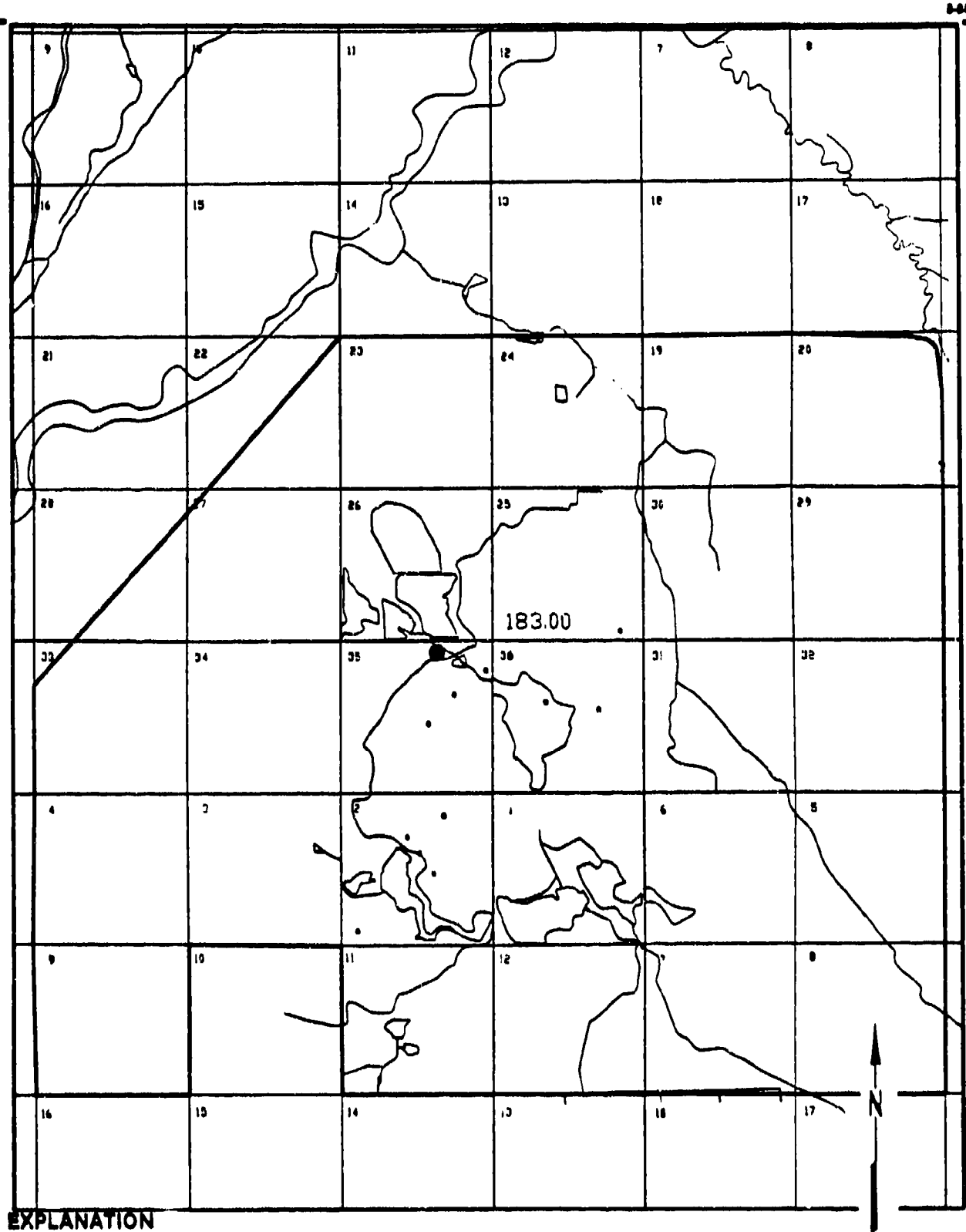
DITHIANE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-47

DITHIANE DETECTIONS DENVER ZONE 1U 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

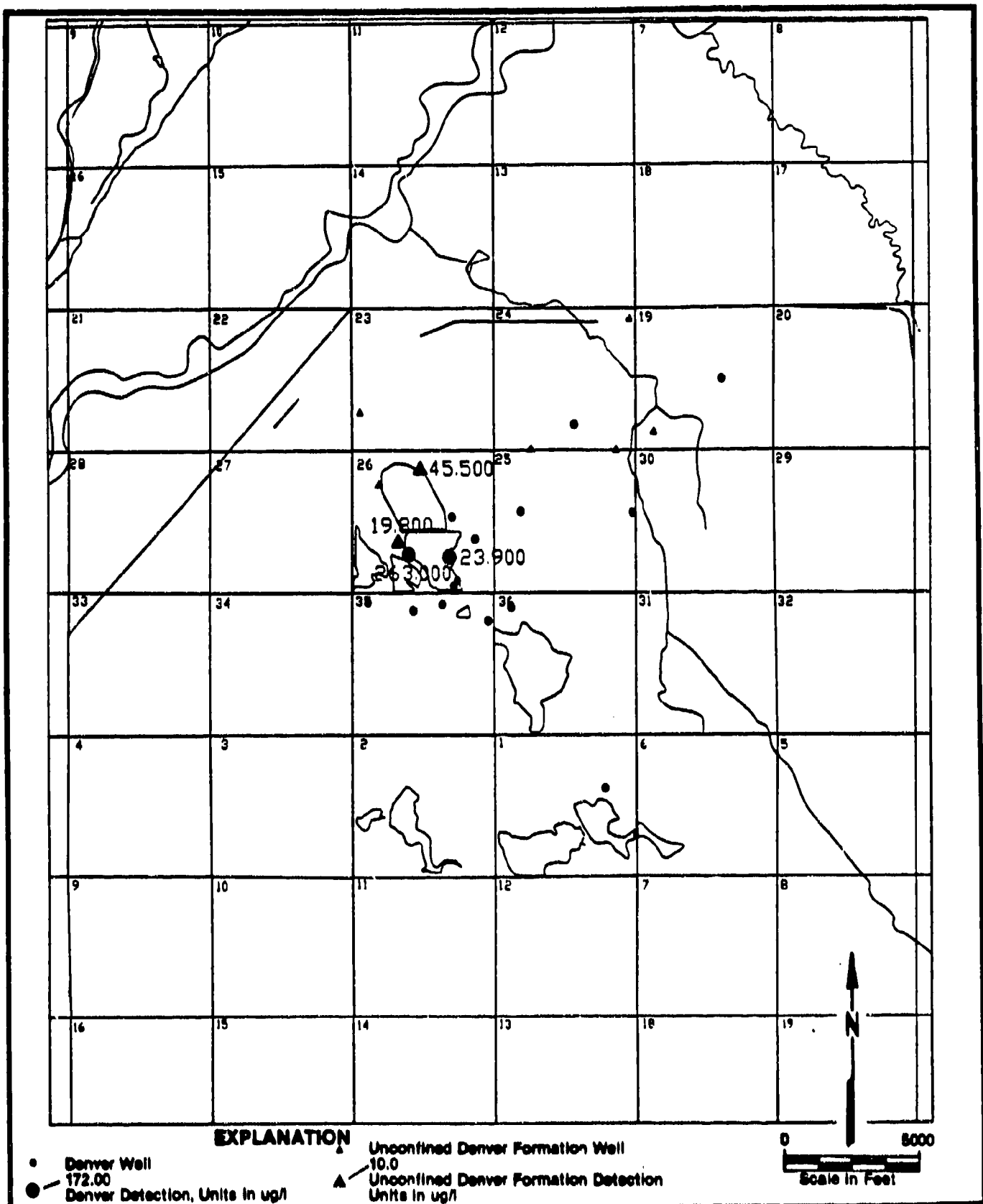


Figure D-48

DITHIANE DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

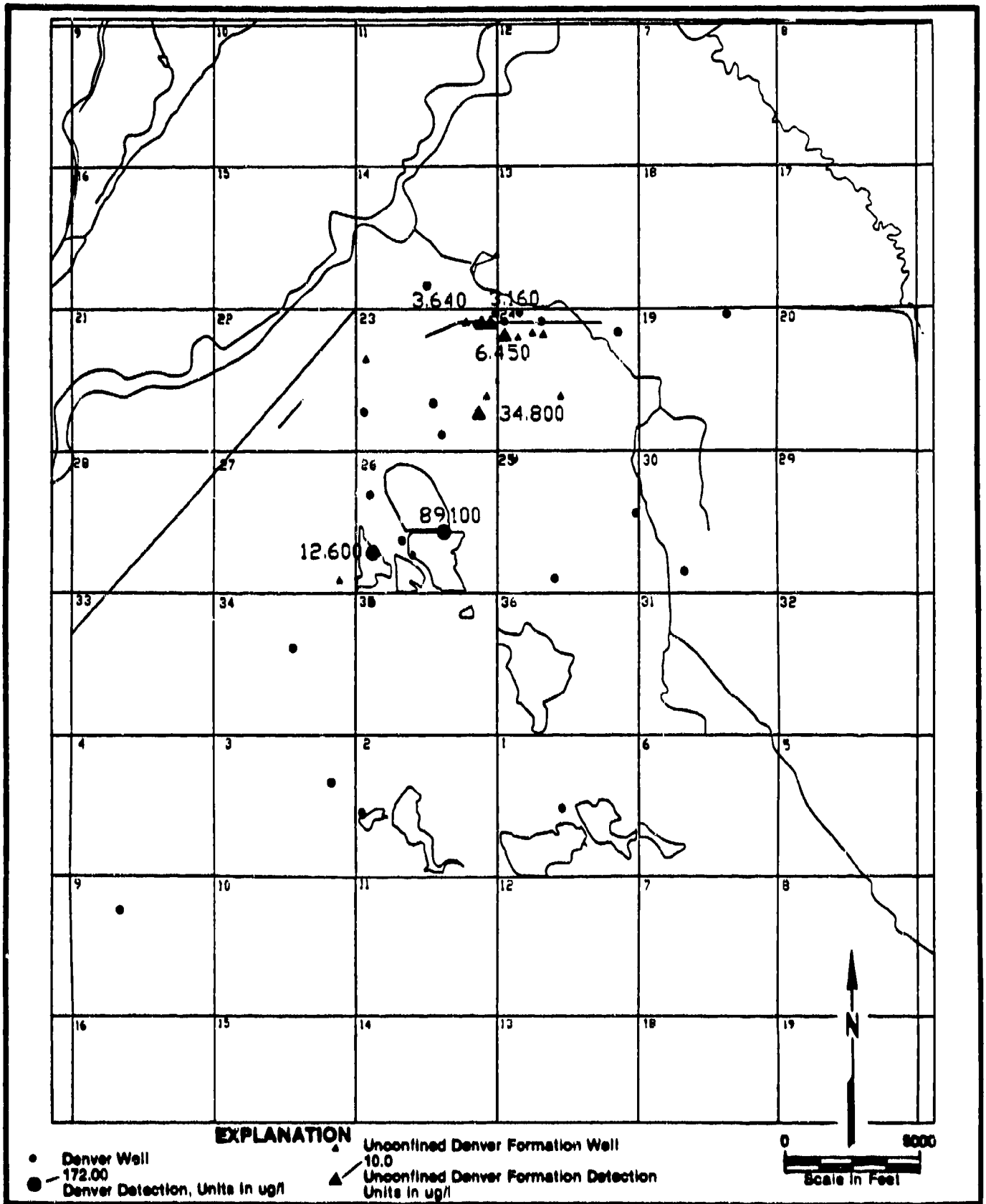
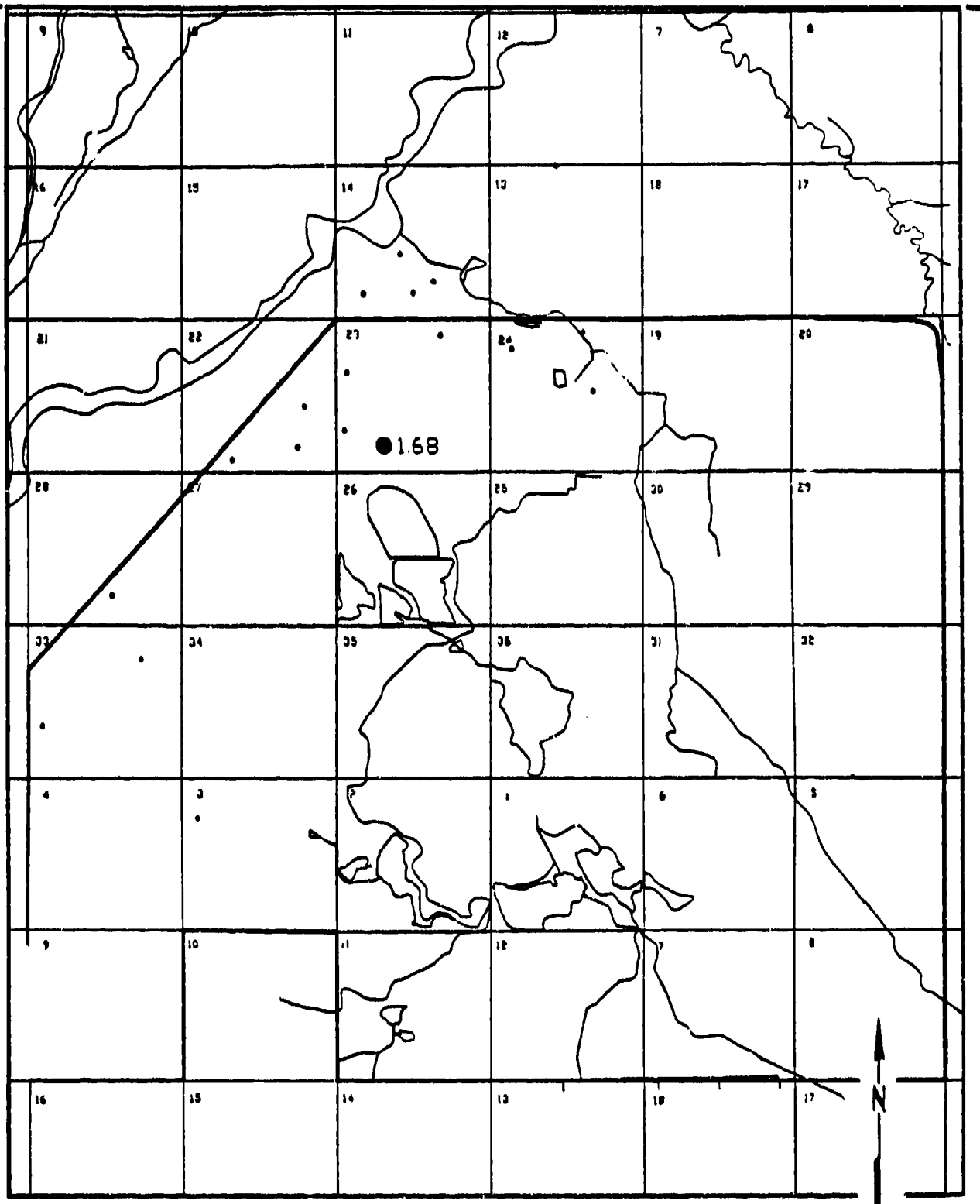


Figure D-49

DITHIANE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-50

DITHIANE DETECTIONS DENVER ZONE 4
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

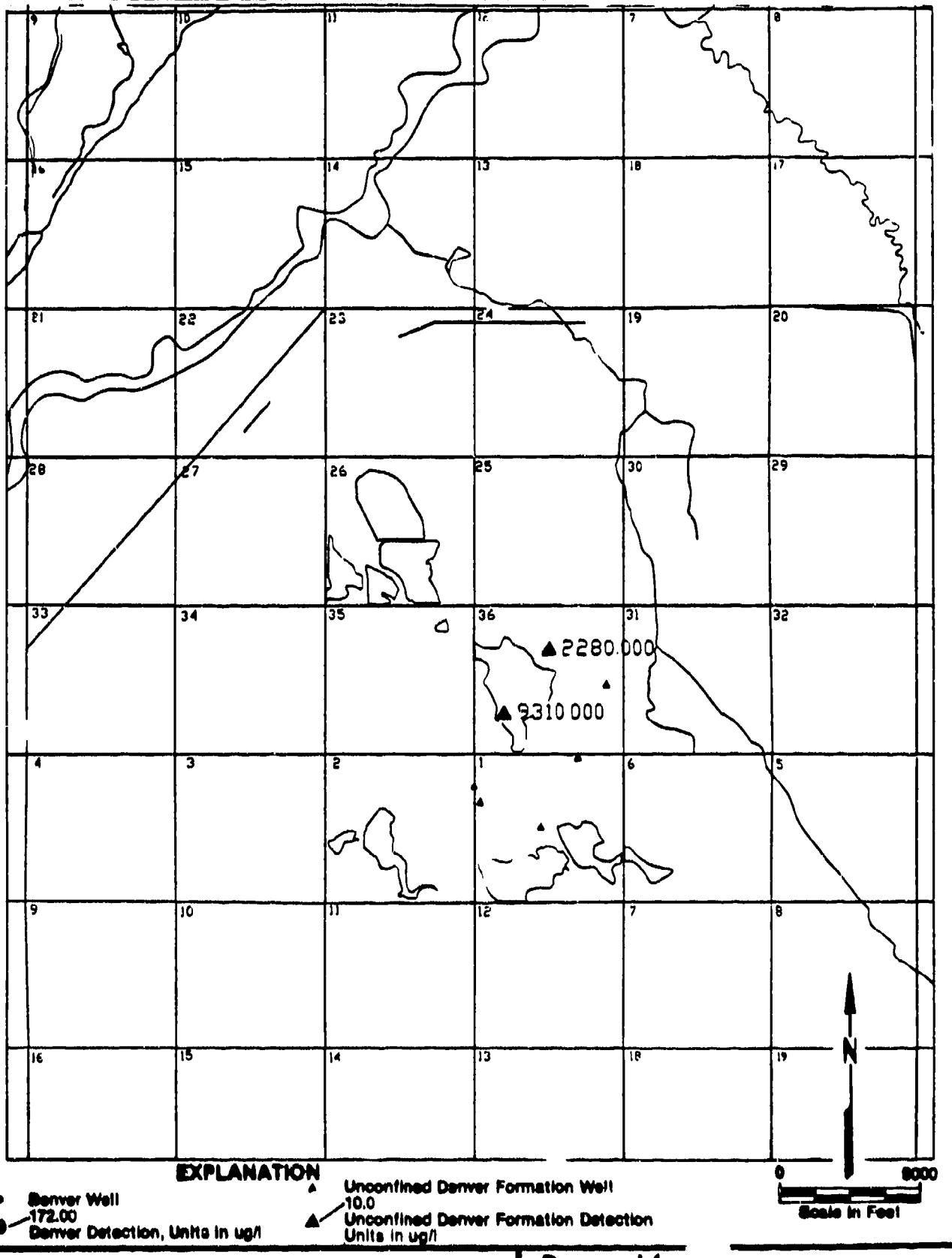


Figure D-51

OXATHIANE/DITHIANE DETECTIONS DENVER ZONE VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

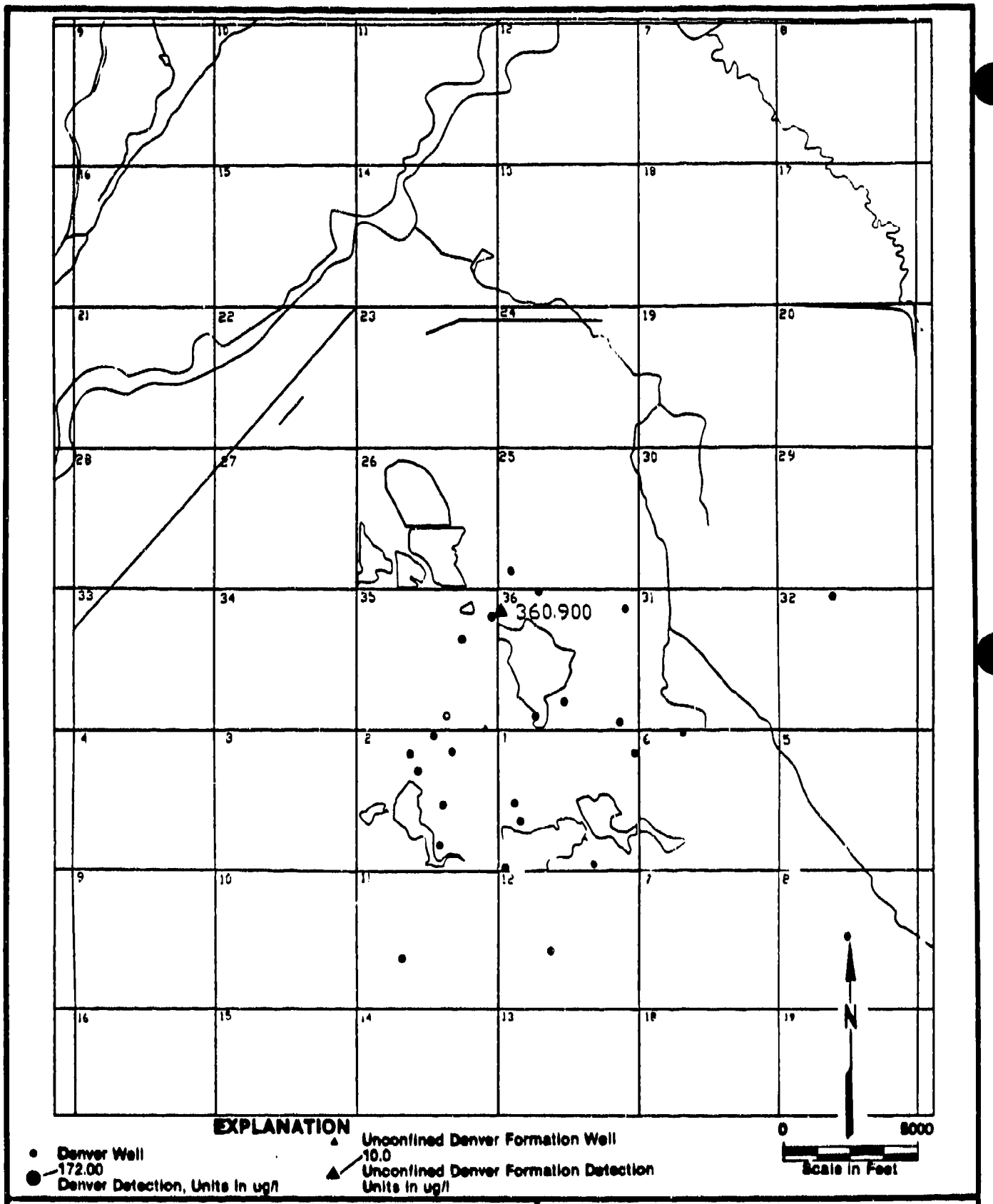


Figure D-52

OXATHIANE/DITHIANE DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

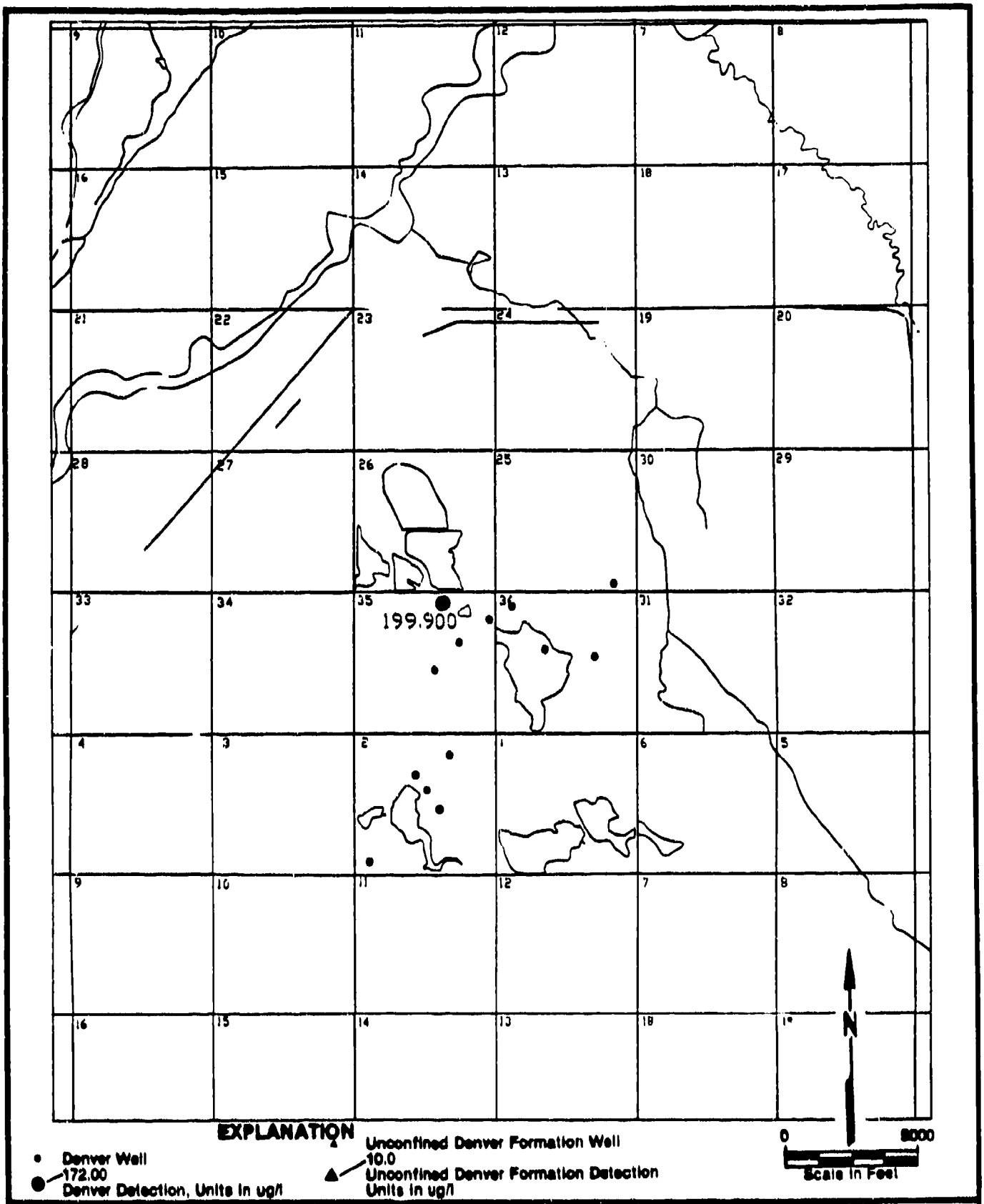


Figure D-53

OXATHIANE/DITHIANE DETECTIONS DENVER ZONE 1U, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

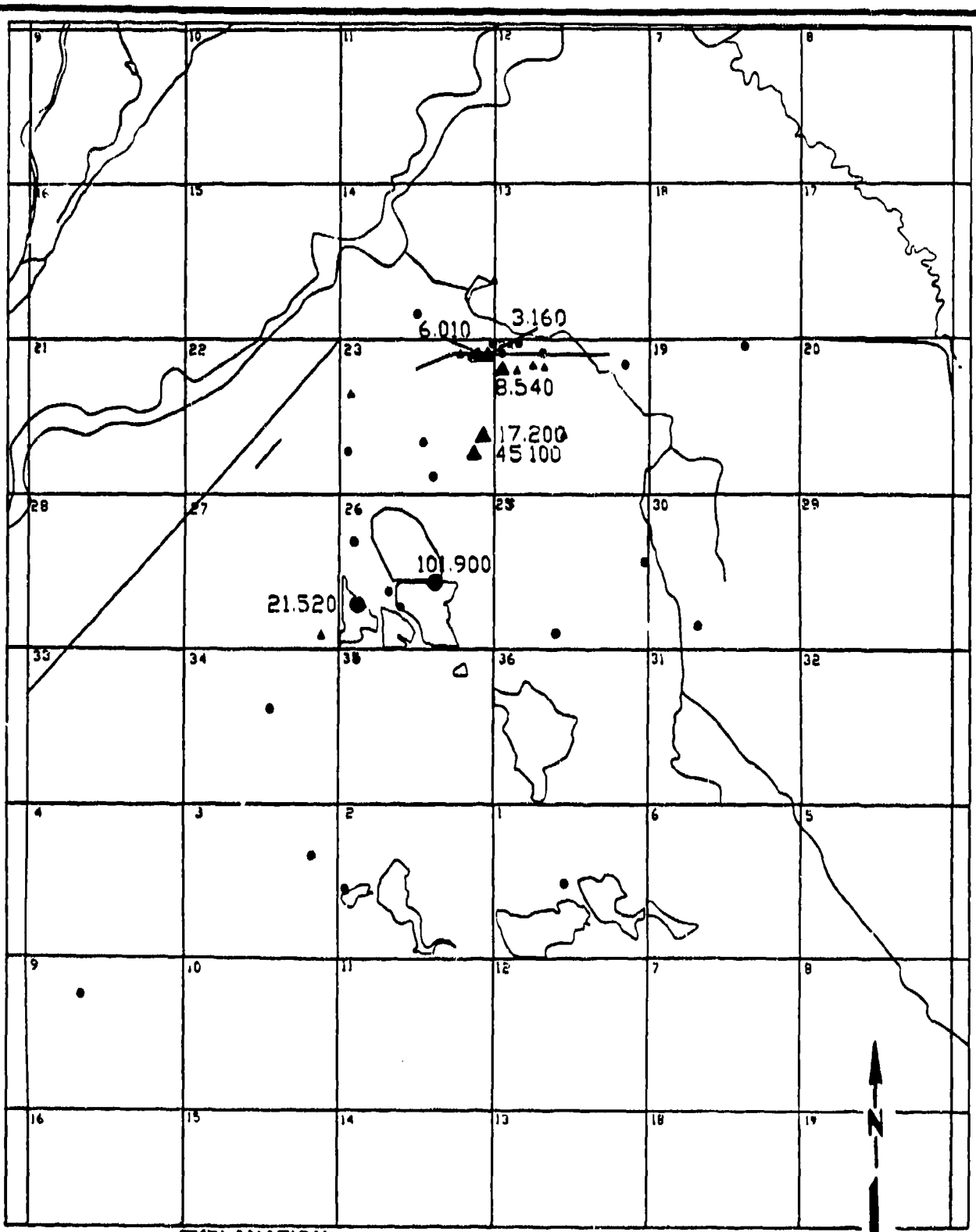


Figure D-54

OXATHIANE/DITHIANE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

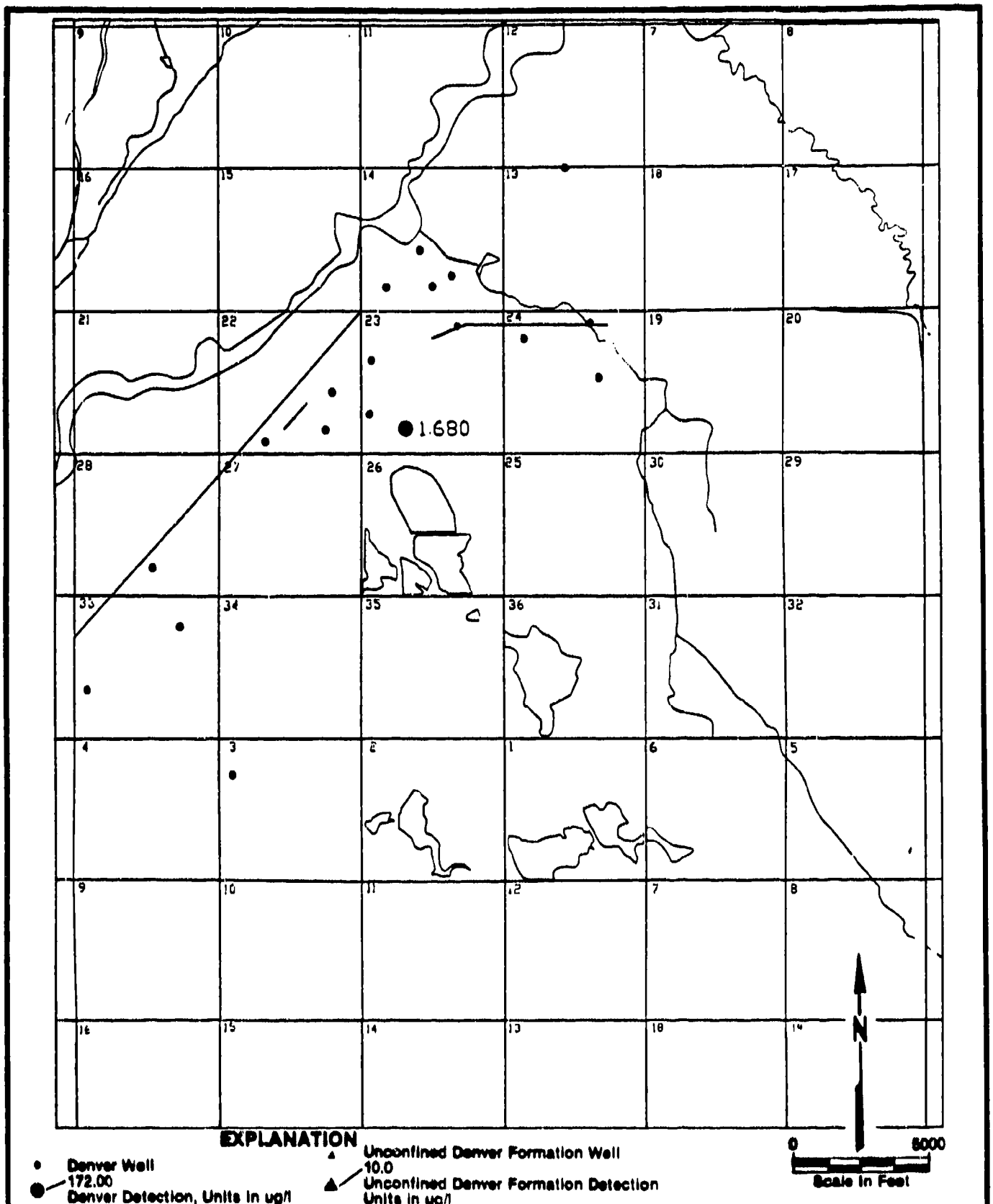


Figure D-55

OXATHIANE/DITHIANE DETECTIONS DENVER ZONE 4, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

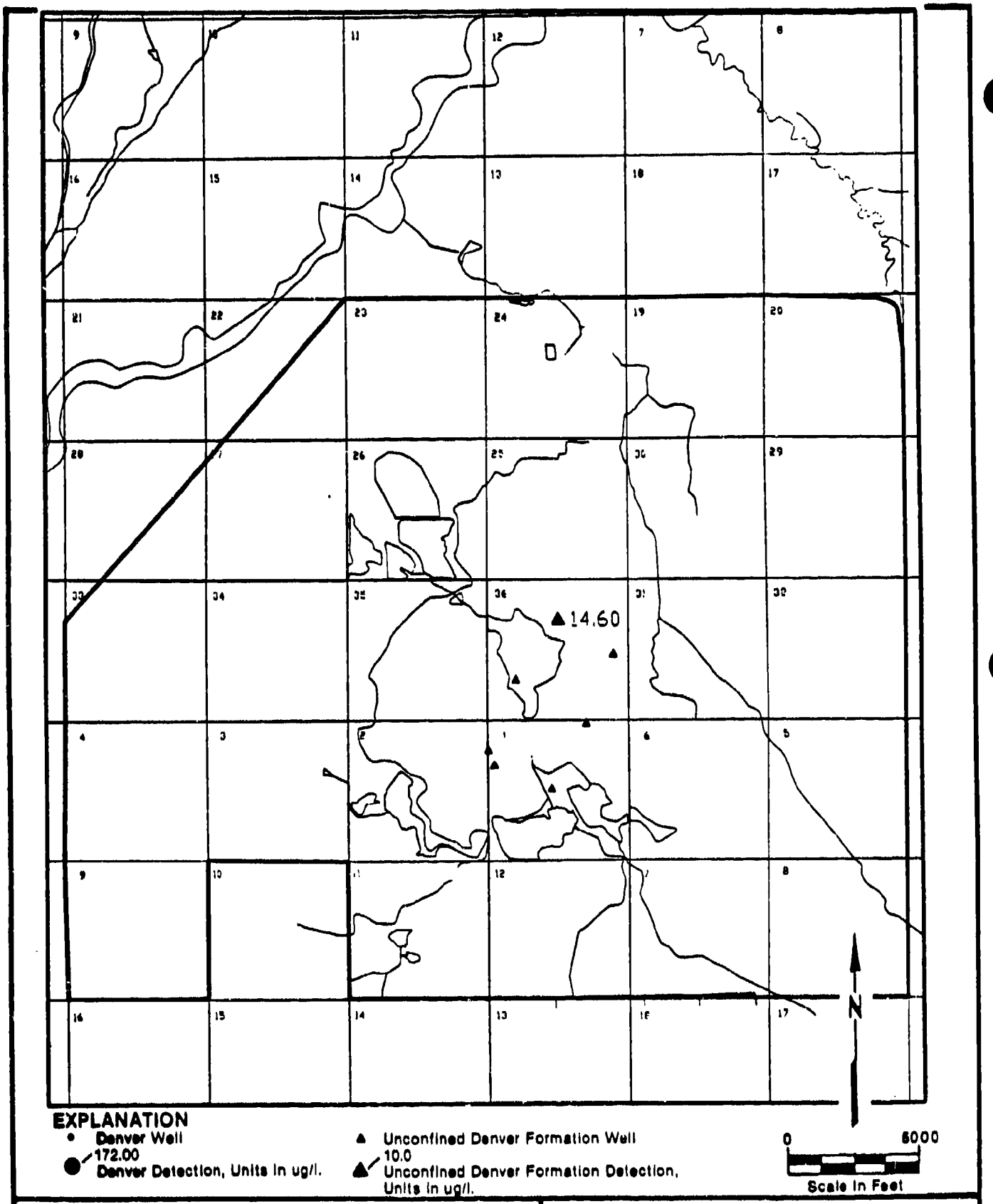


Figure D-56
BENZOTHIAZOLE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

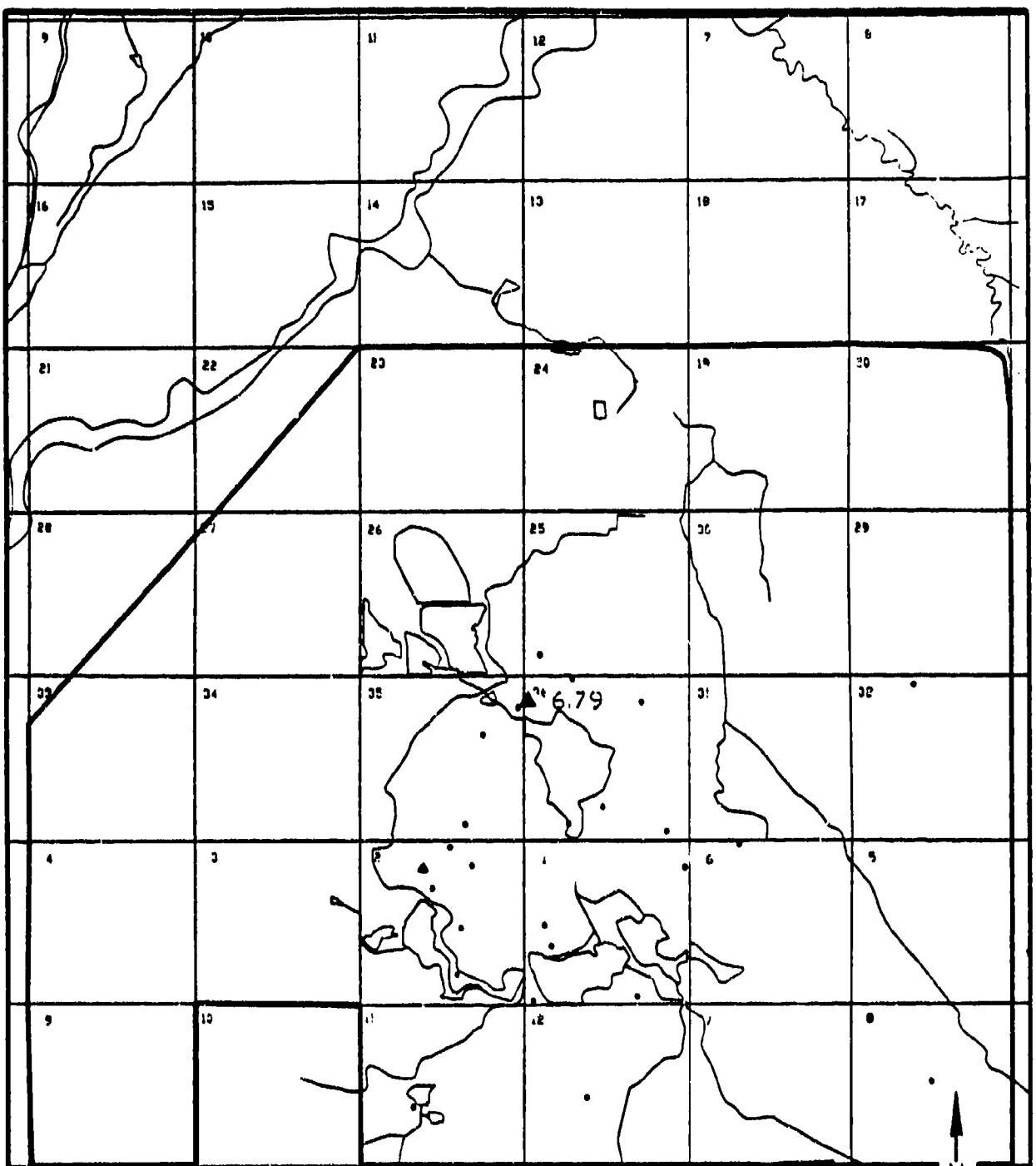


Figure D-57
BENZOTHIAZOLE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

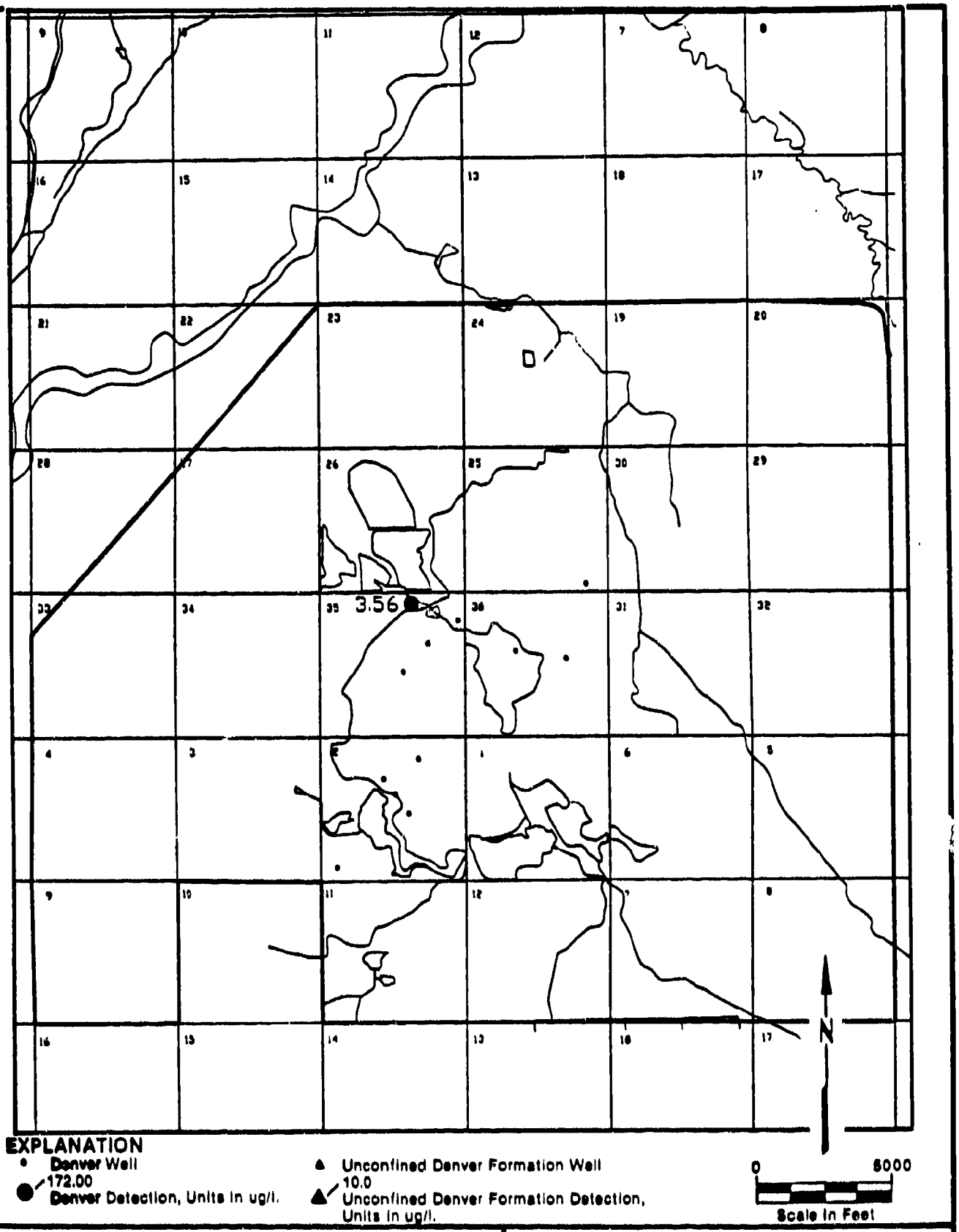


Figure D-58
BENZOTHIAZOLE DETECTIONS DENVER ZONE 1U 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

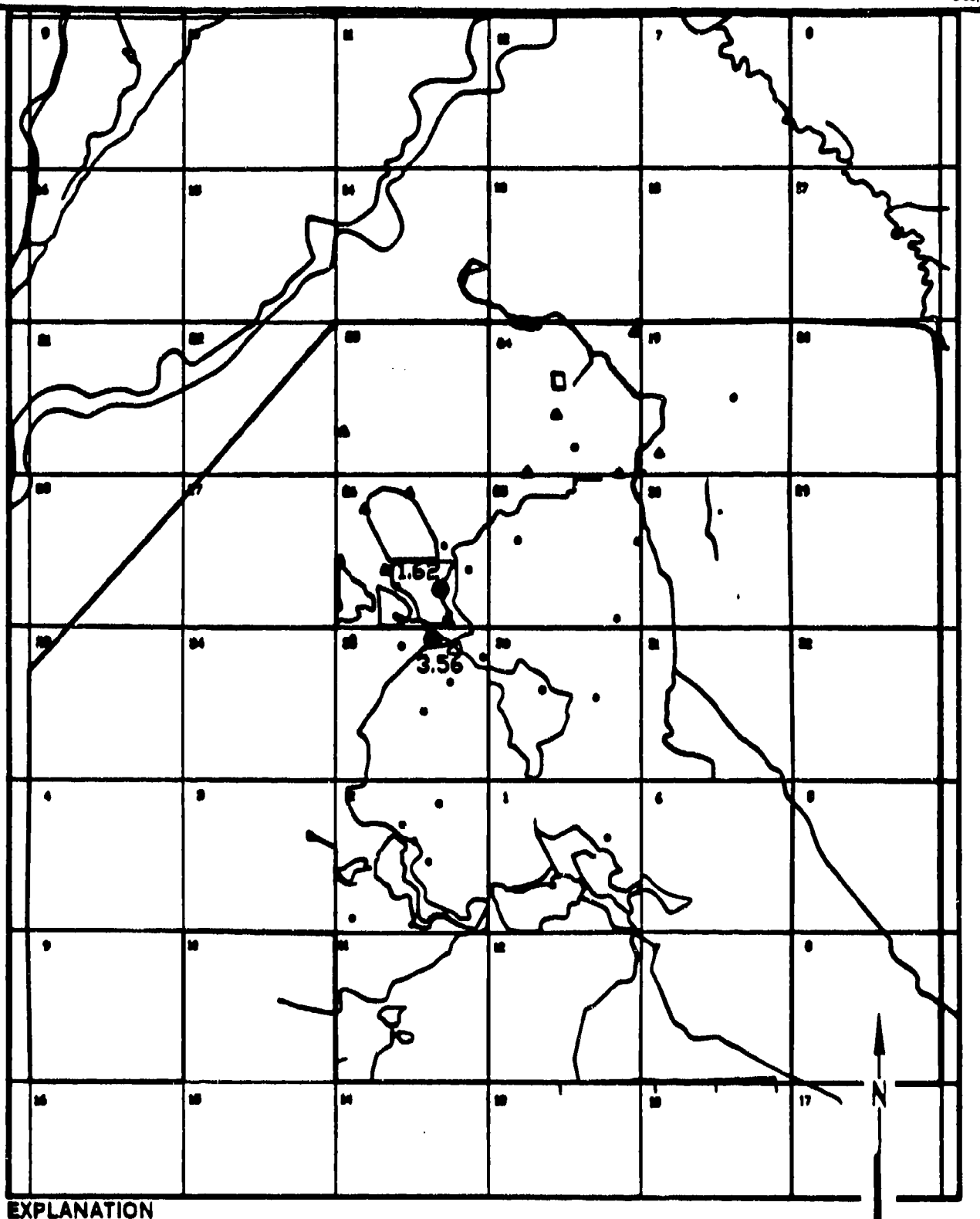


Figure D-59

BENZOTHIAZOLE DETECTIONS DENVER ZONE 1 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

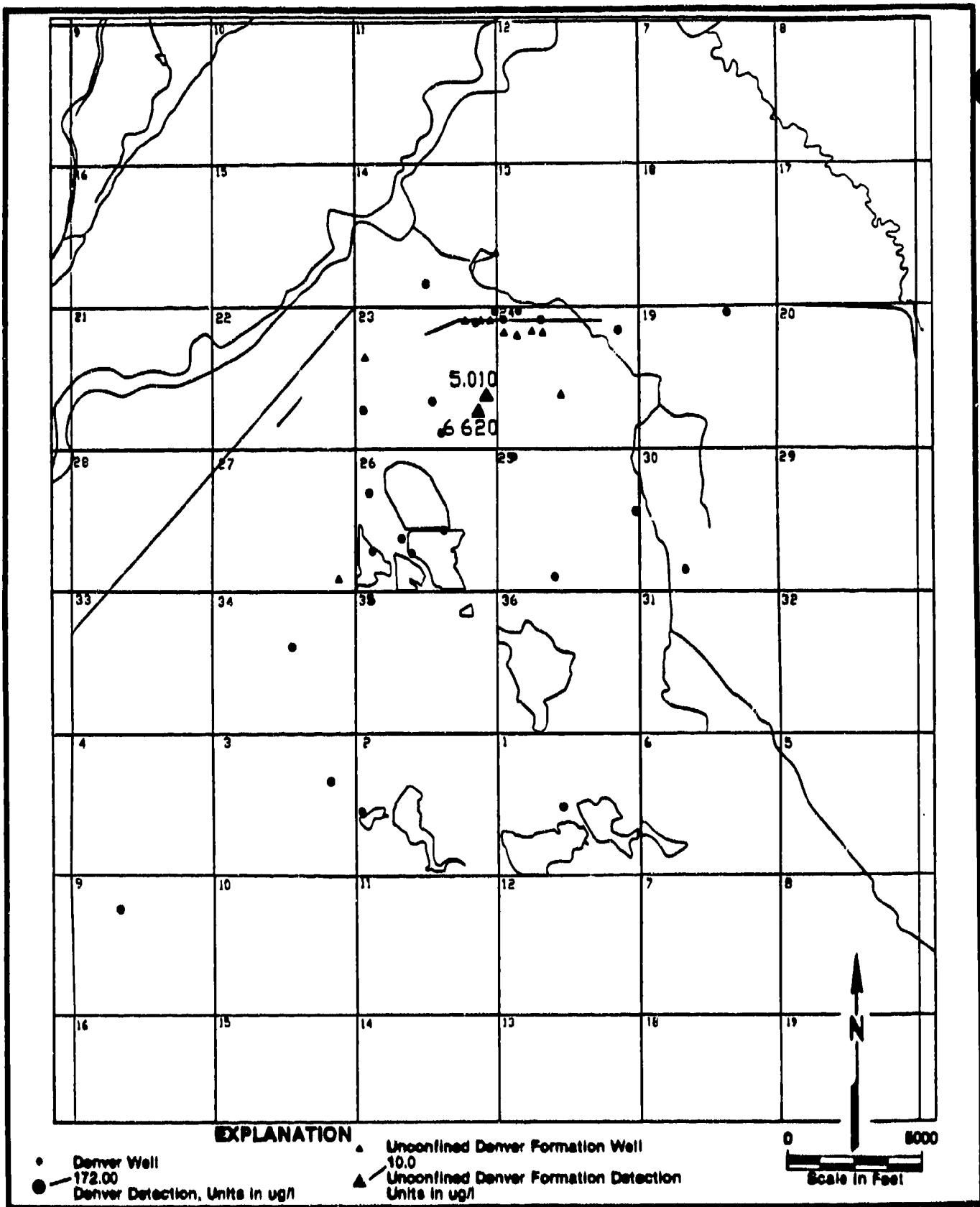
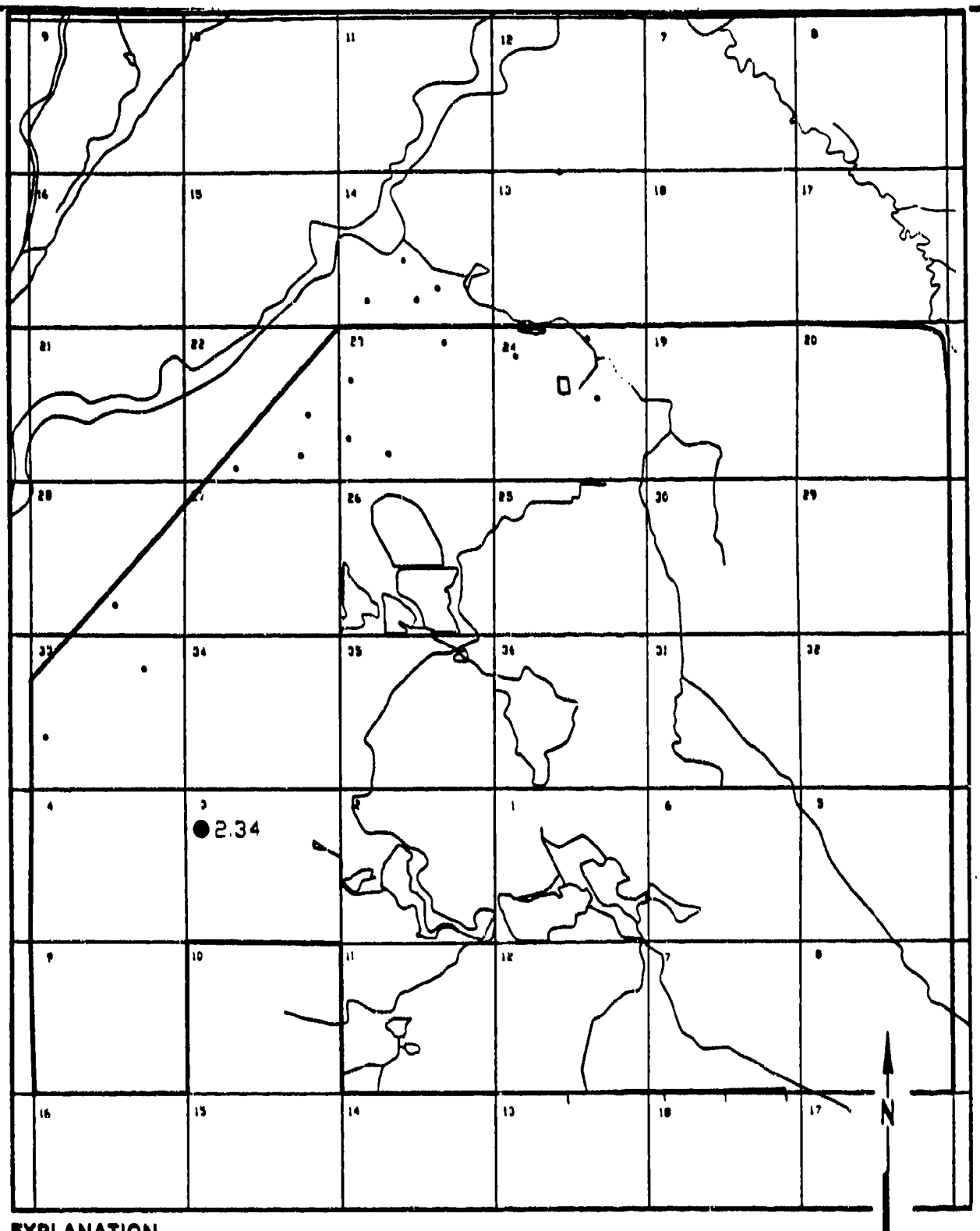


Figure D-60

BENZOTHIAZOLE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-61
BENZOTHIAZOLE DETECTIONS DENVER ZONE 4 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

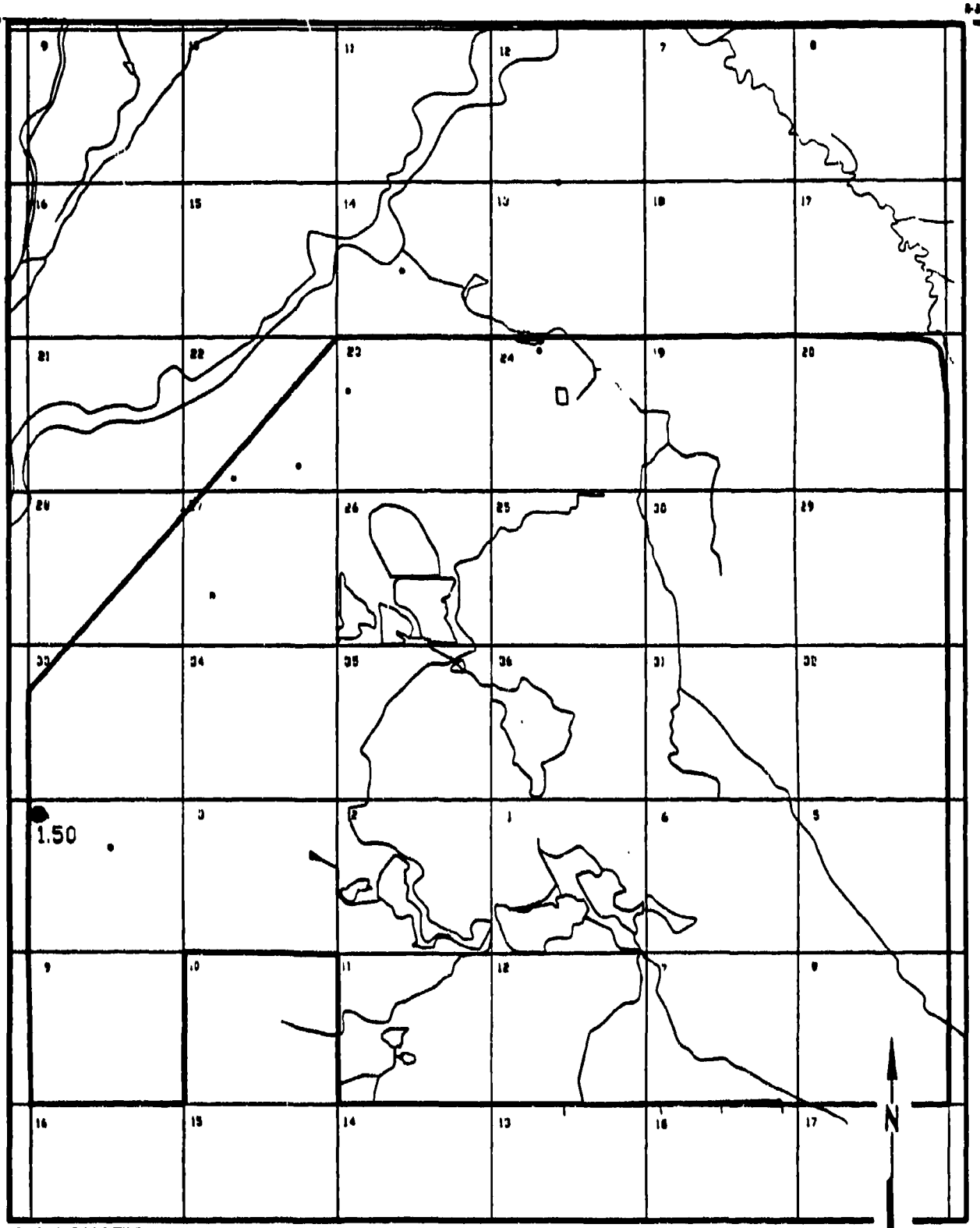
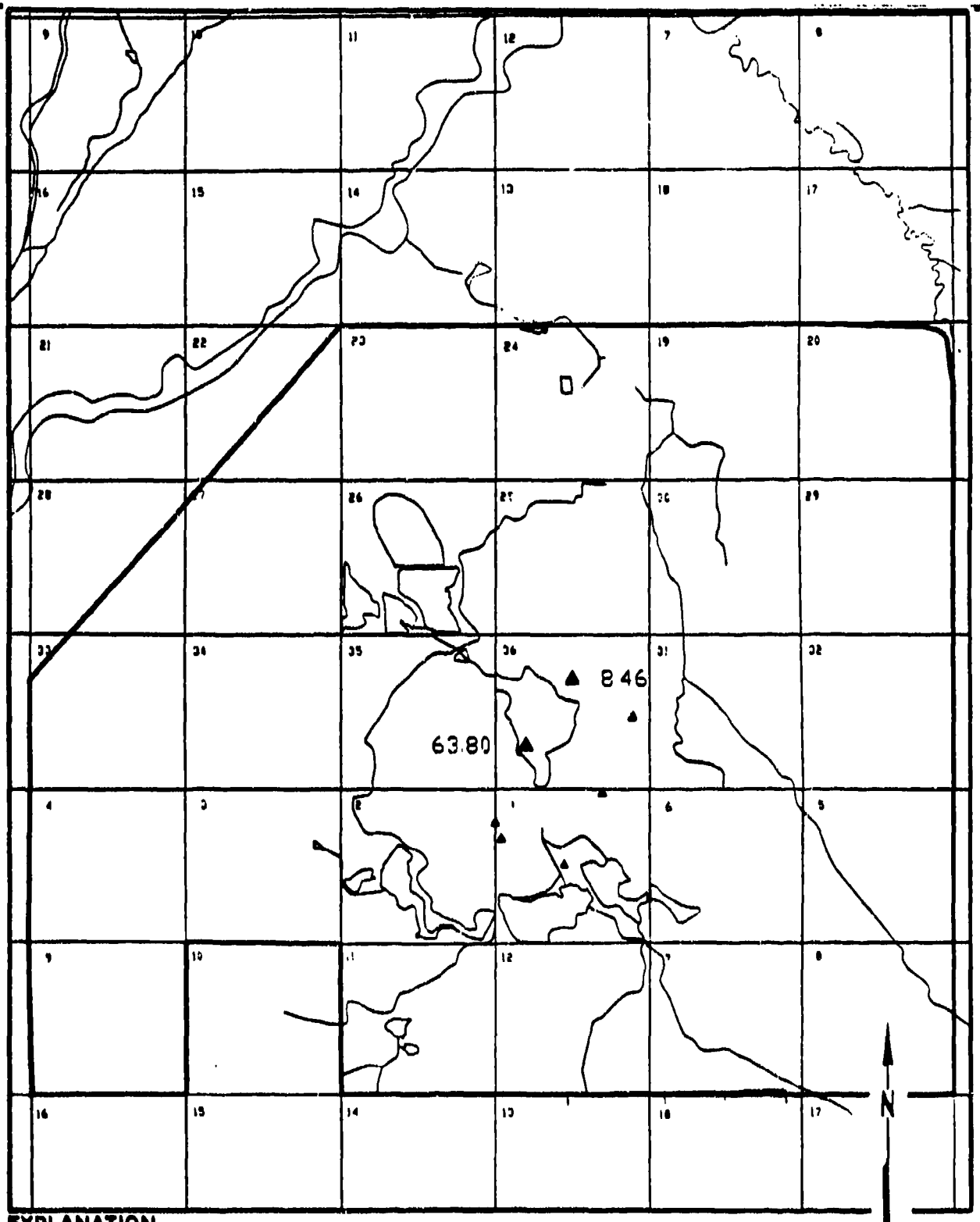


Figure D-62
BENZOTHIAZOLE DETECTIONS DENVER ZONE 5 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



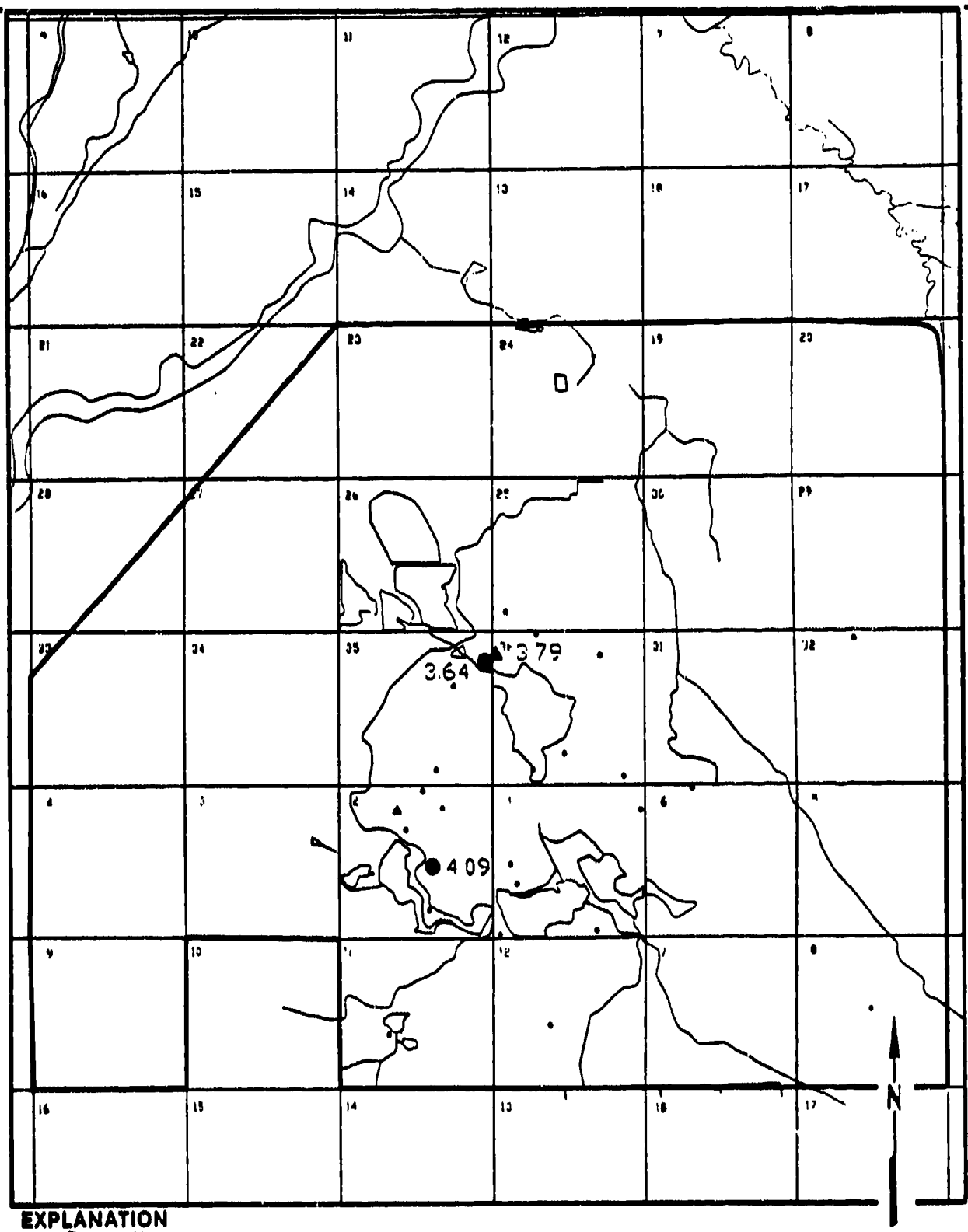
EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-63
CPMS DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-64
CPMS DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

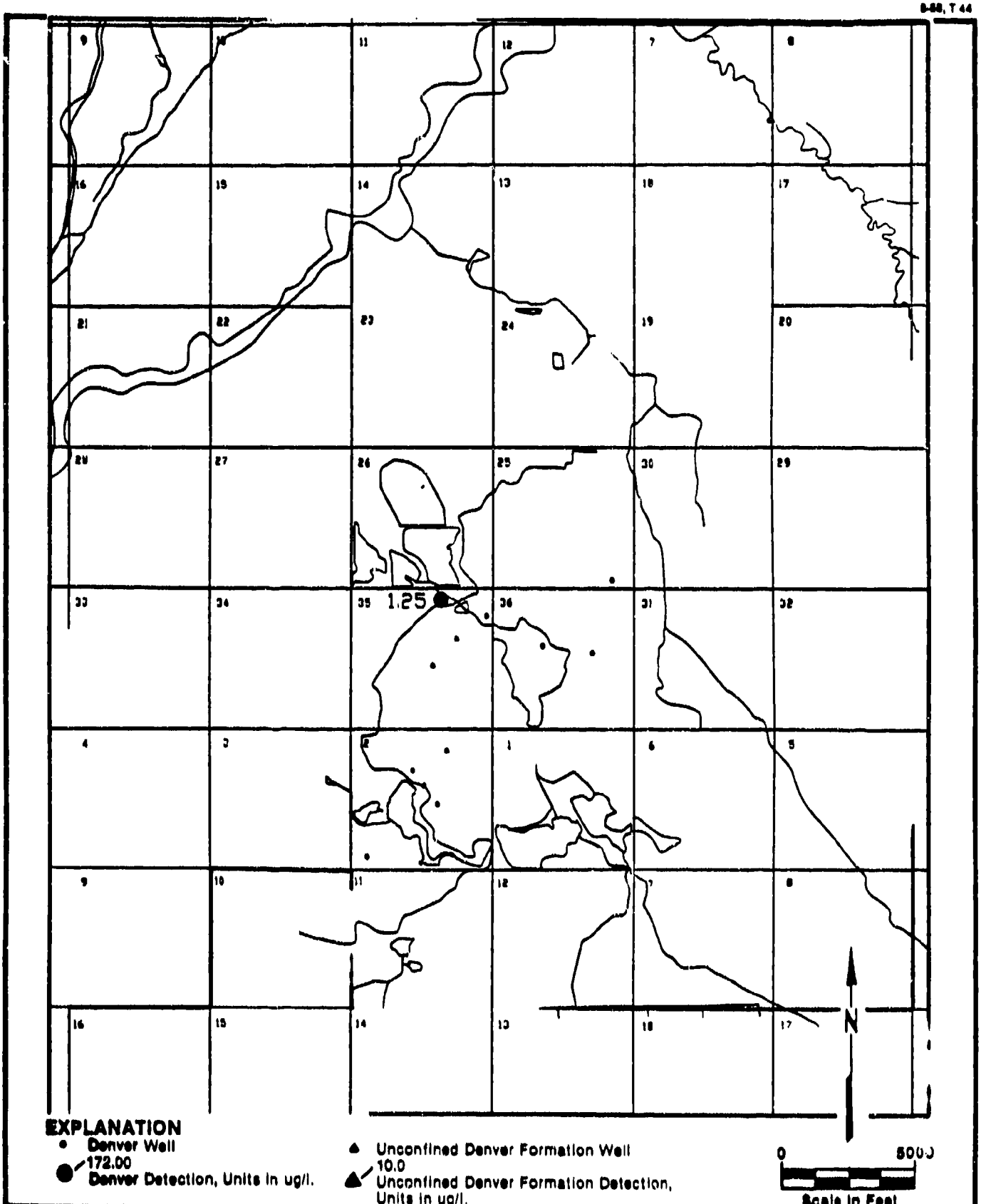


Figure D-65
CPMS DETECTIONS DENVER ZONE 1U
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

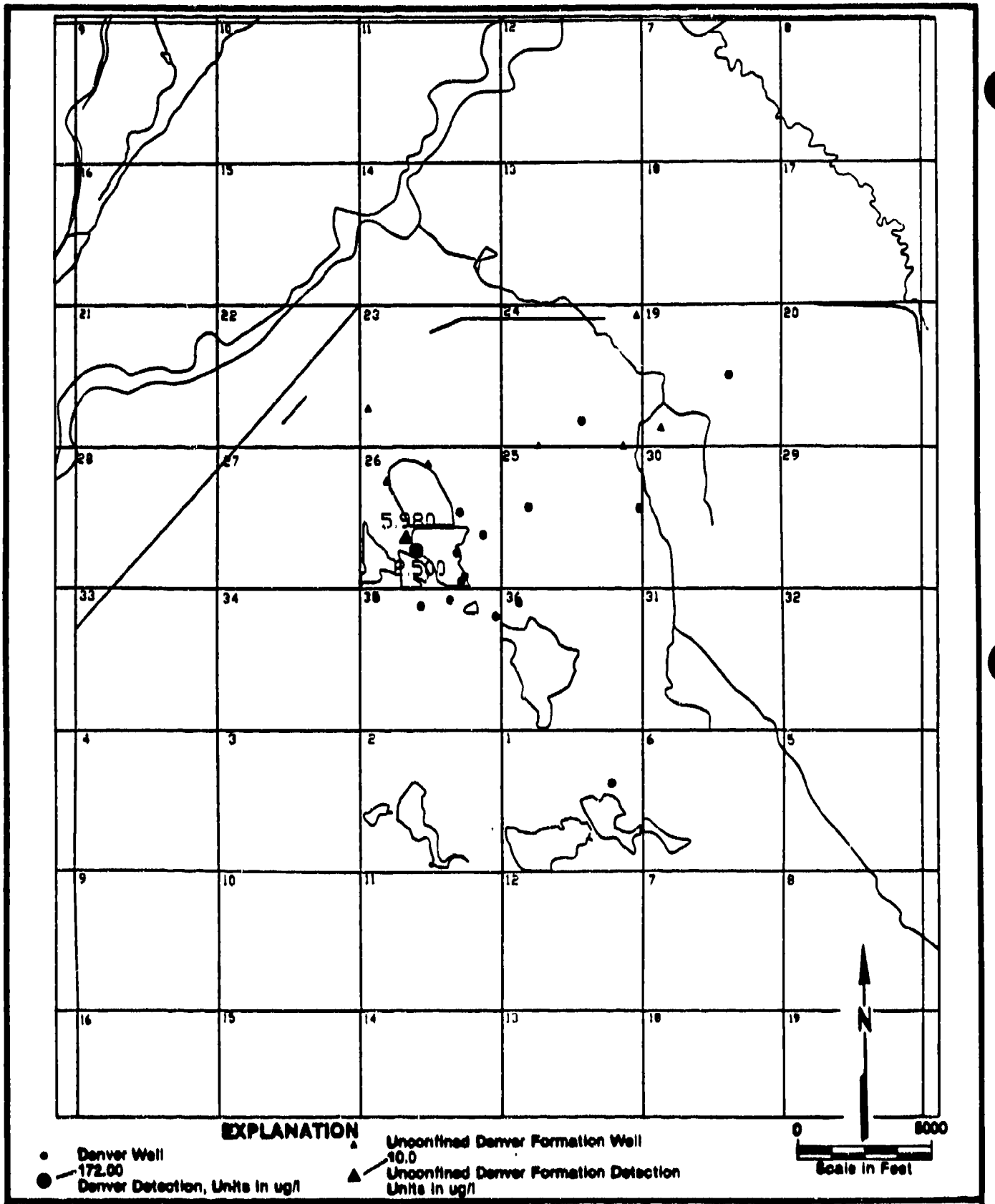
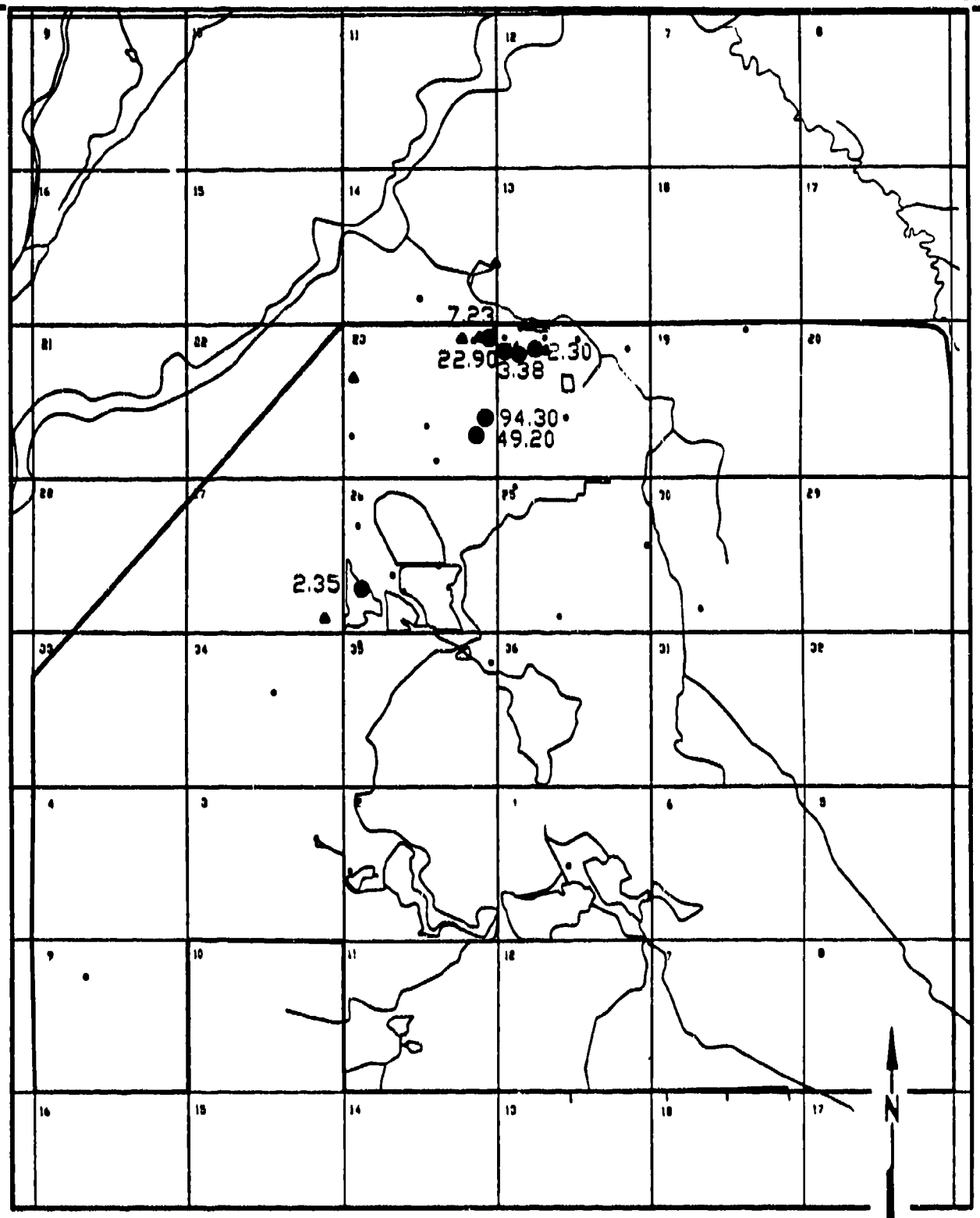


Figure D-66

CPMS DETECTIONS DENVER ZONE 1,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



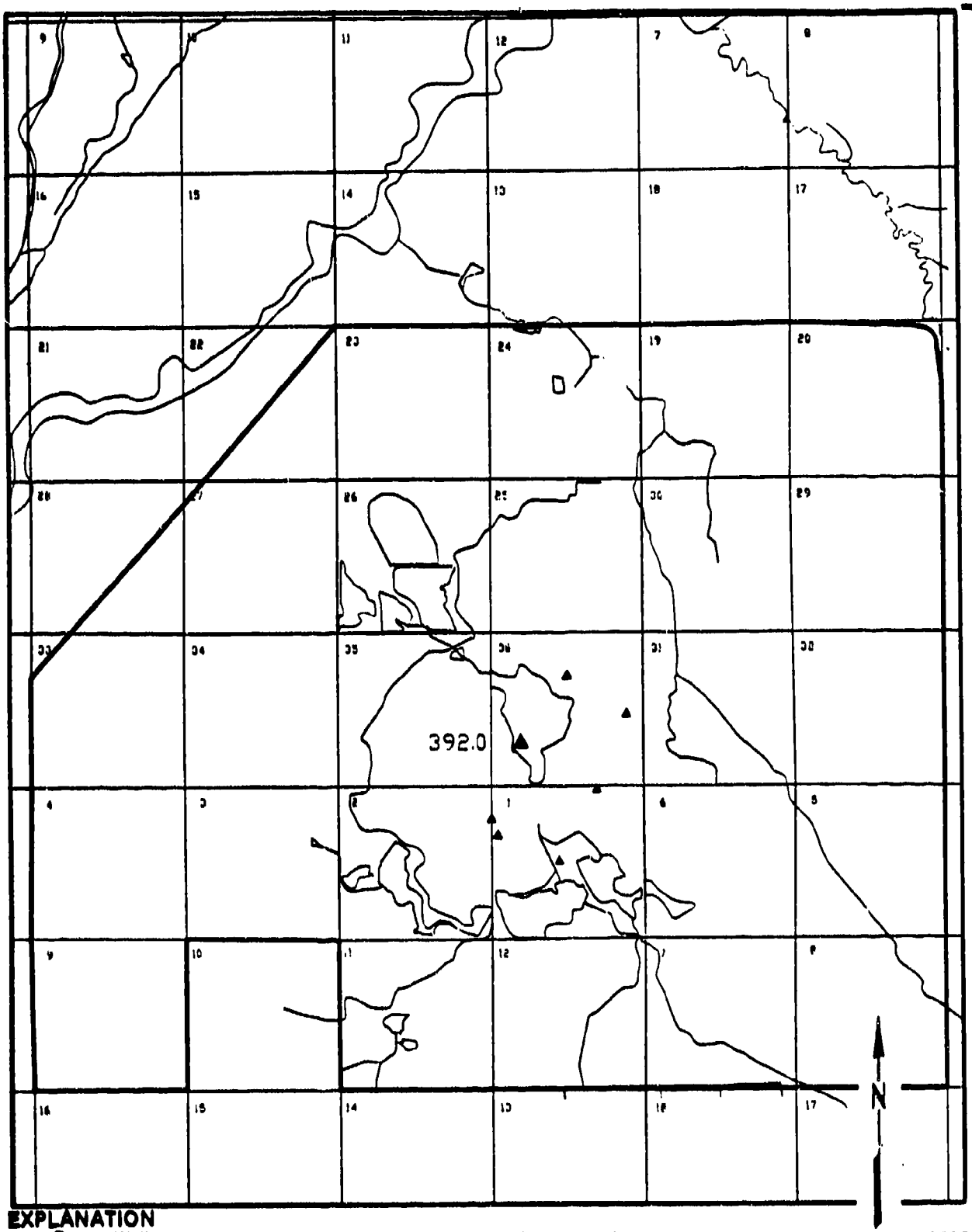
EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-67
CPMS DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-68
CPMSO DETECTIONS DENVER ZONE VC/VCE
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

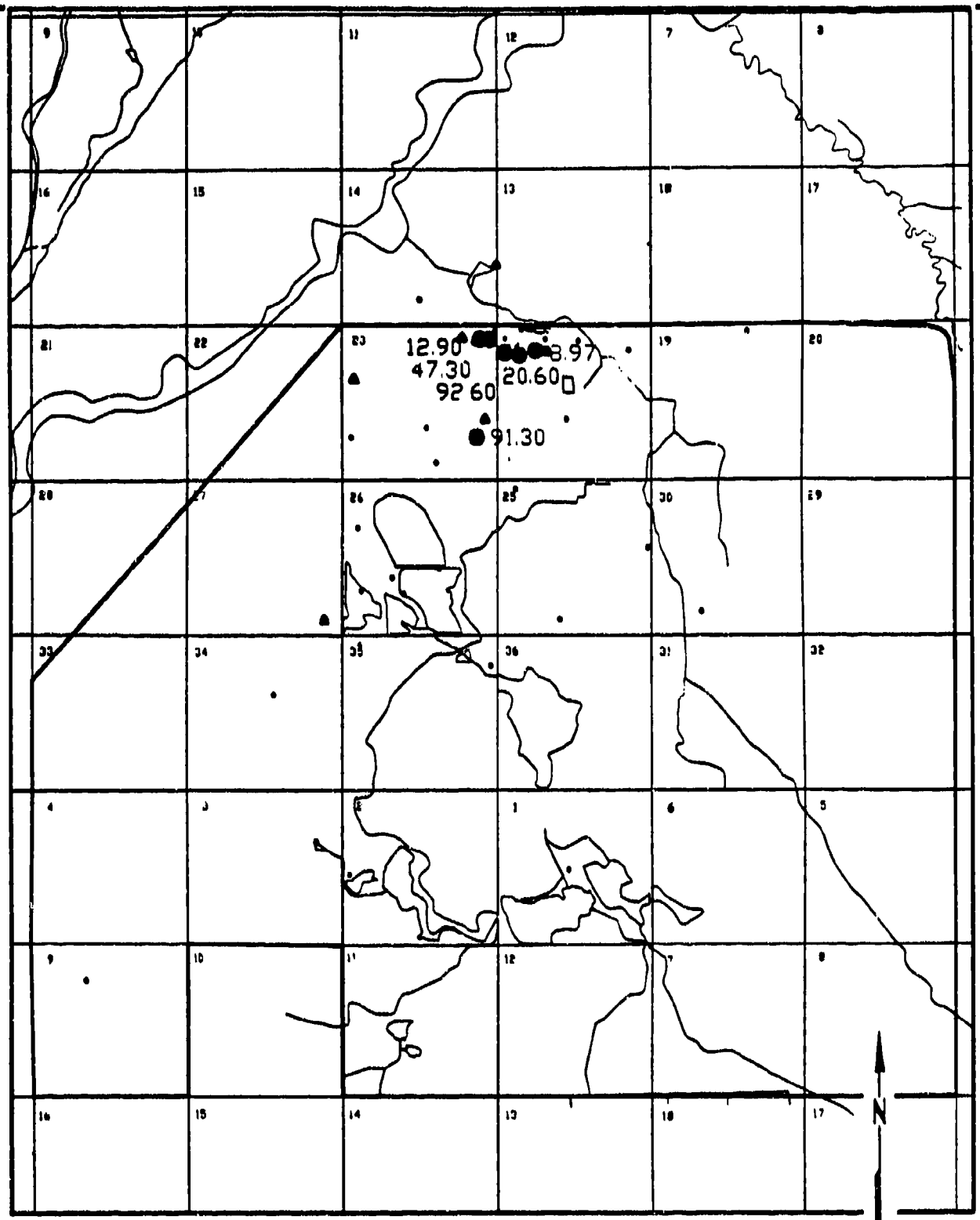


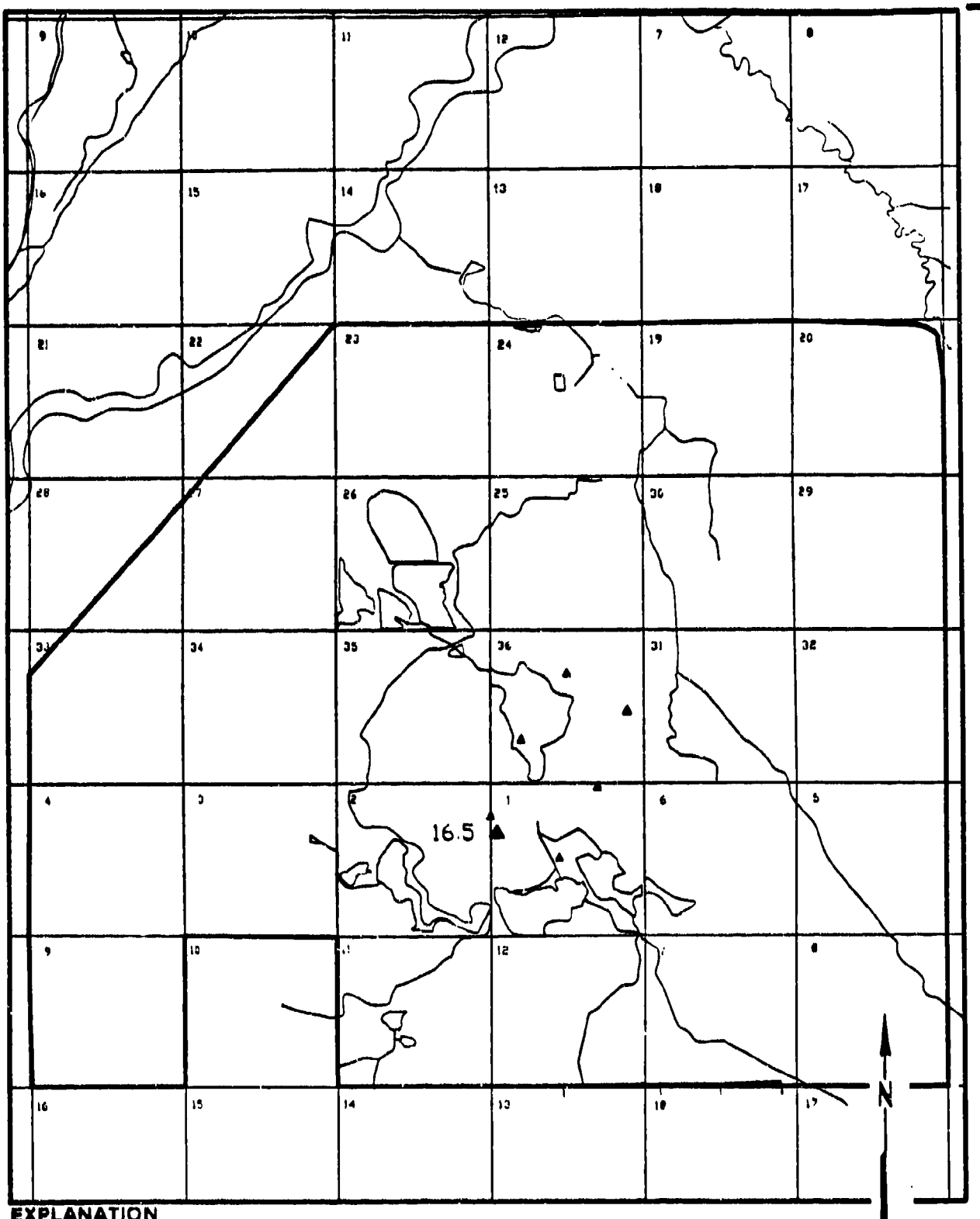
Figure D-69

CPMSO DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-70
CPMSO$_3$ DETECTIONS DENVER ZONE VC/VCE
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

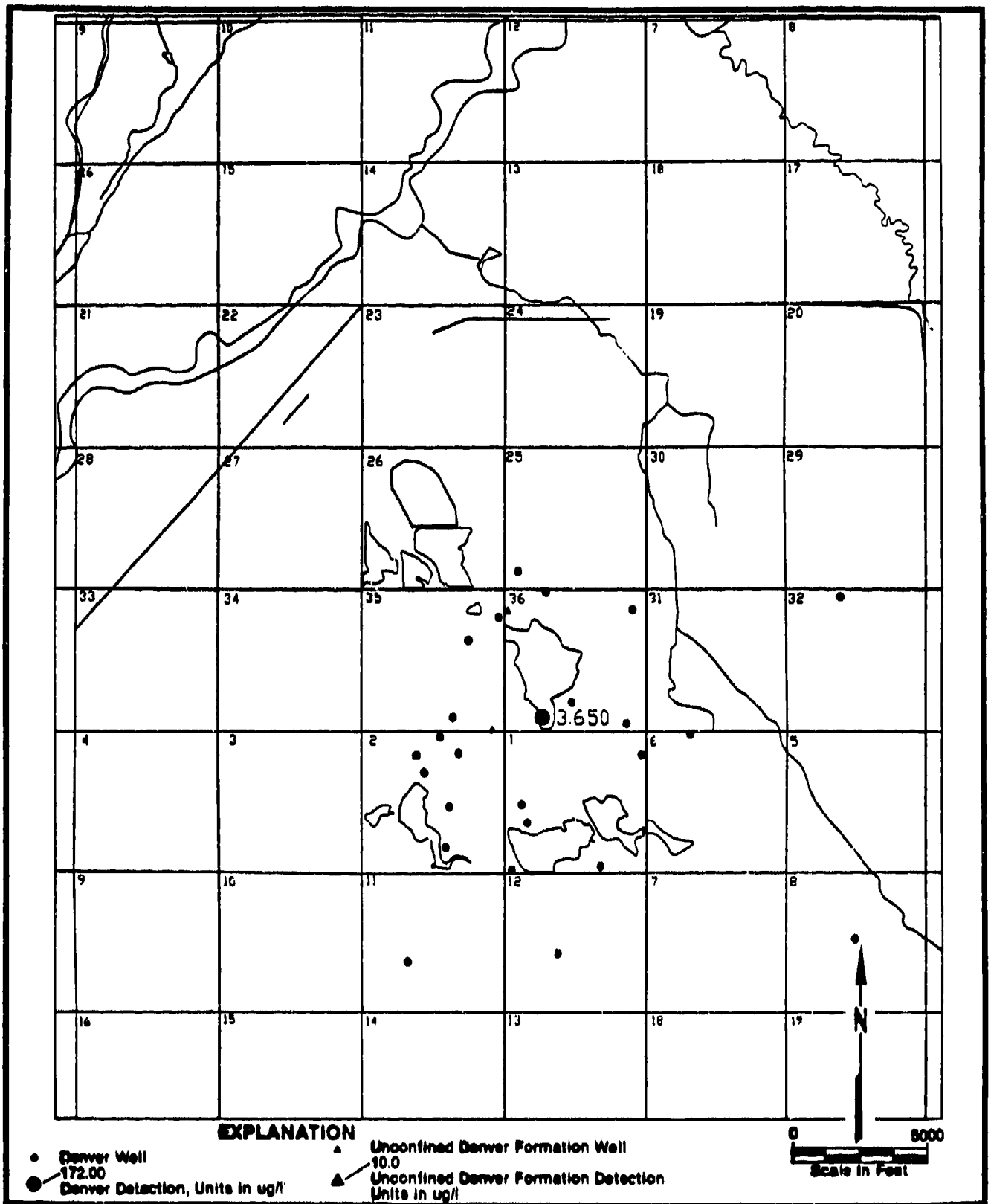


Figure D-71

CPMSO, DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

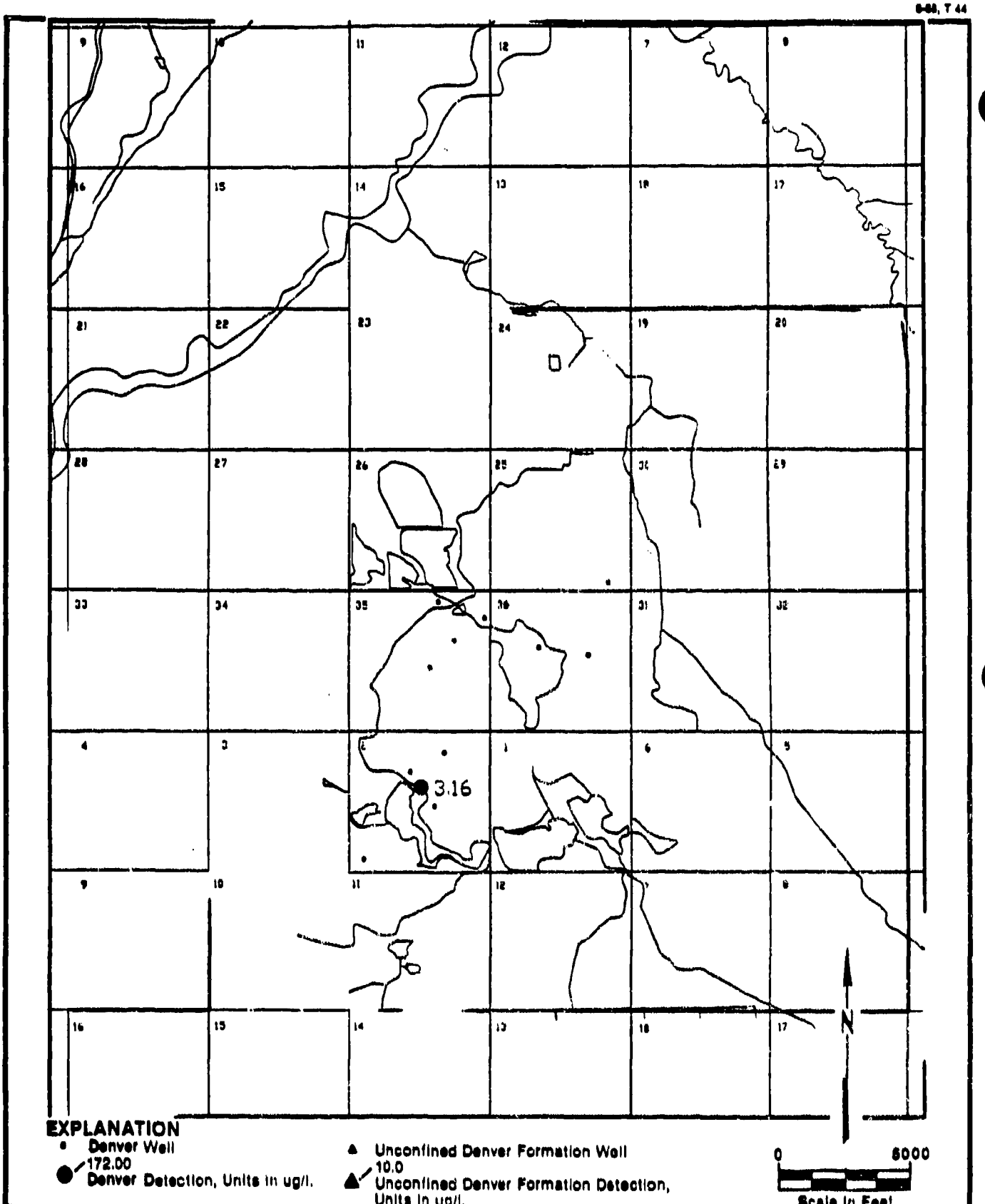


Figure D-72

CPMSO, DETECTIONS DENVER ZONE 1U 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

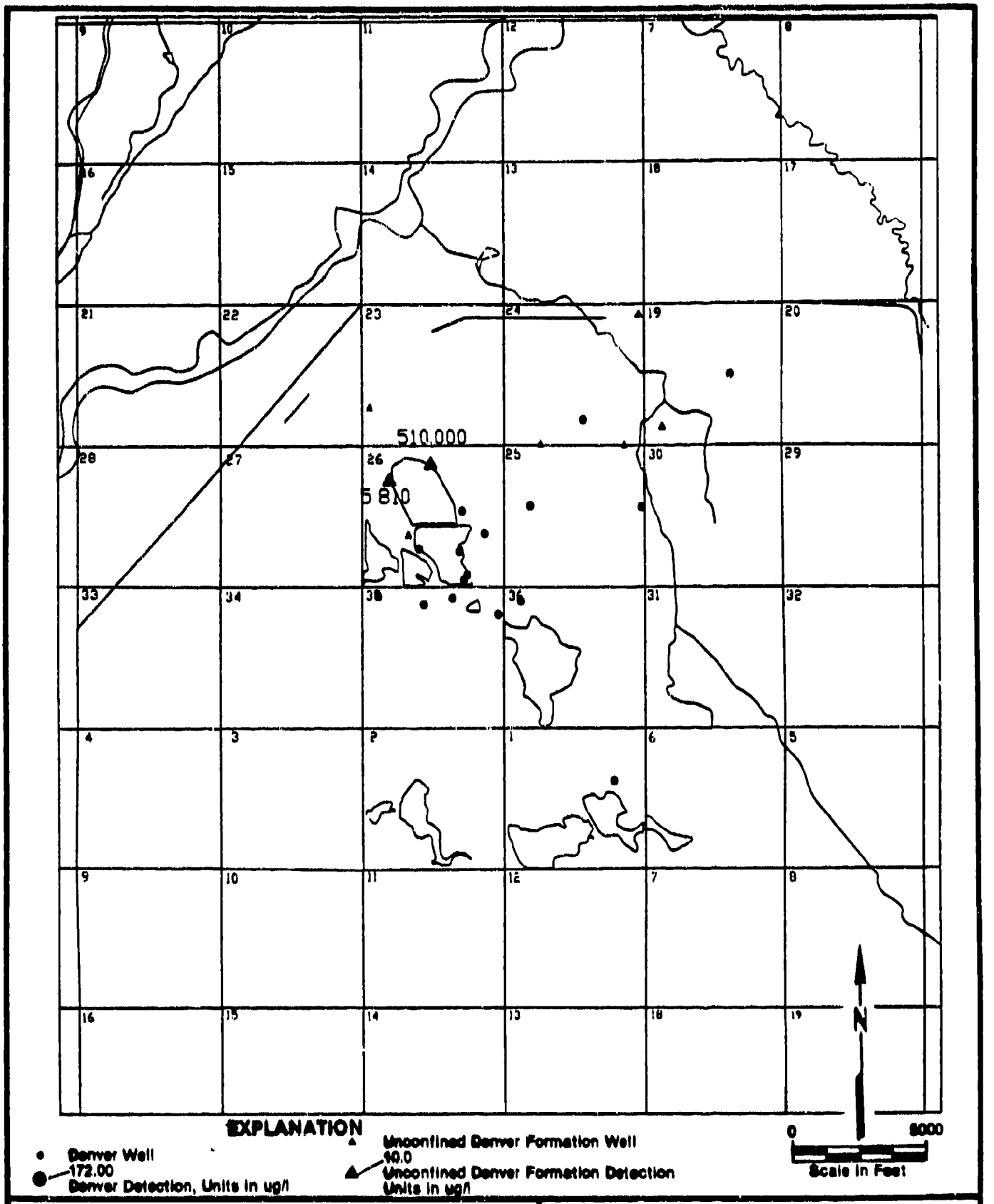


Figure D-73

CPMSO, DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

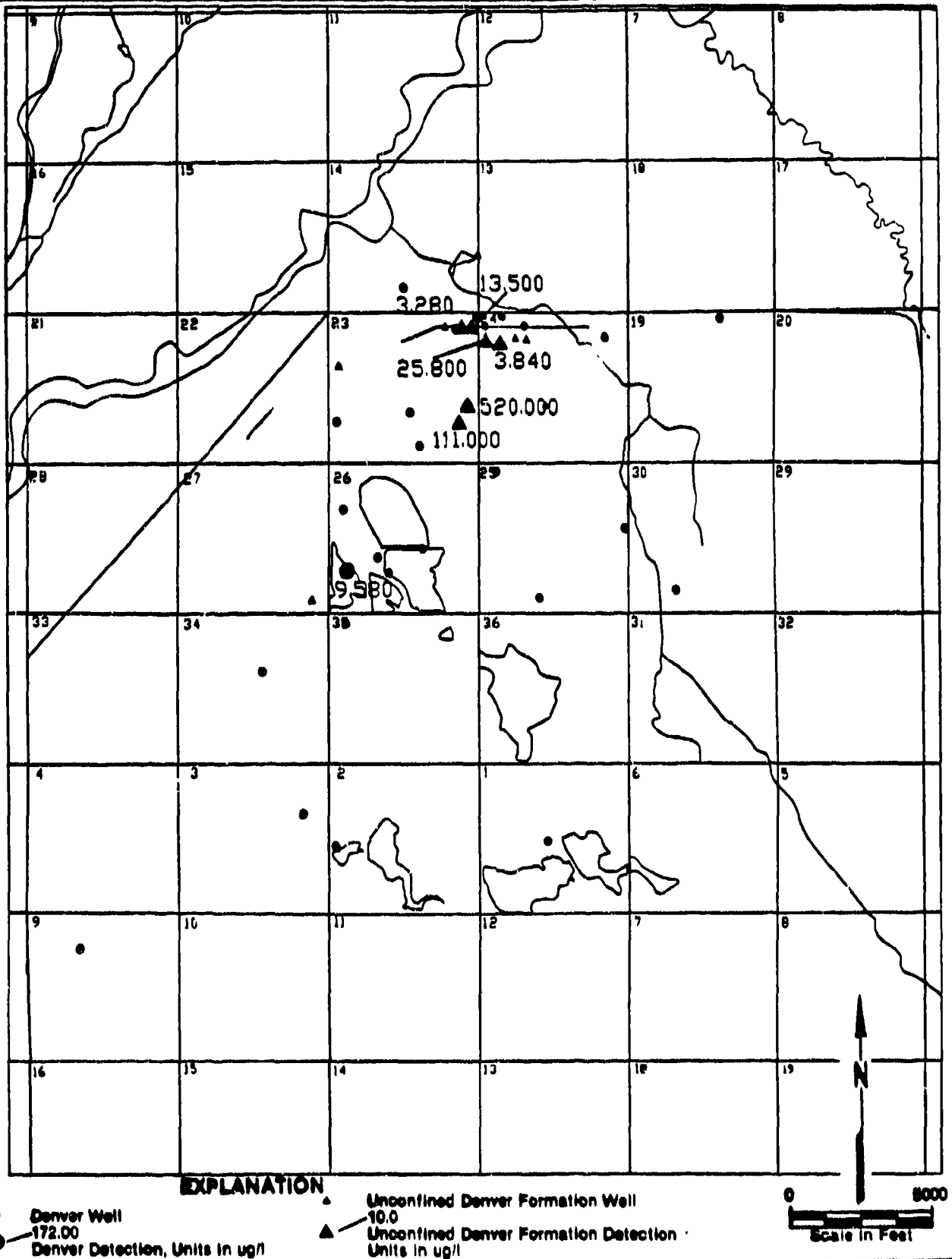


Figure D-74

CPMSO$_2$ DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

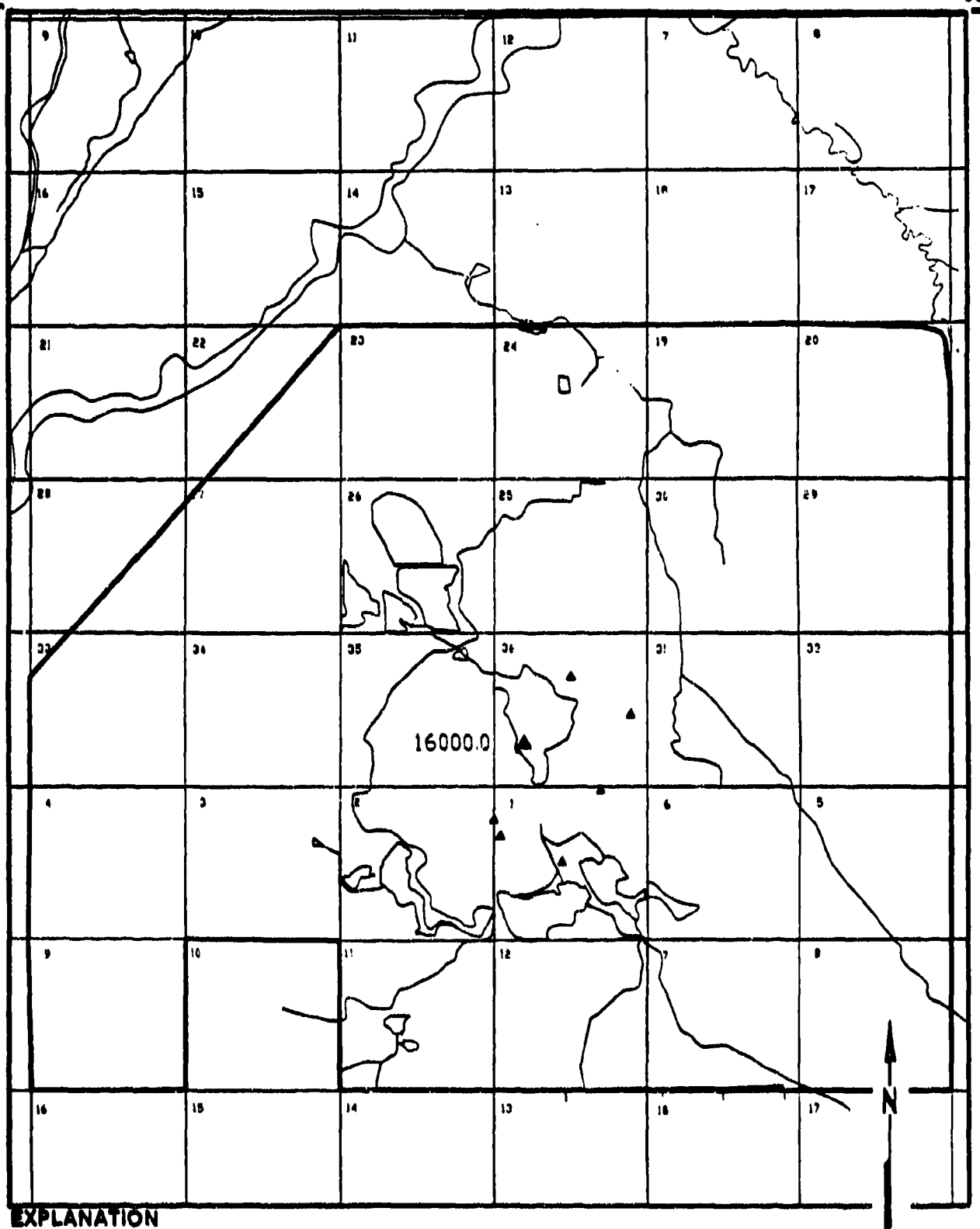


Figure D-75
BENZENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

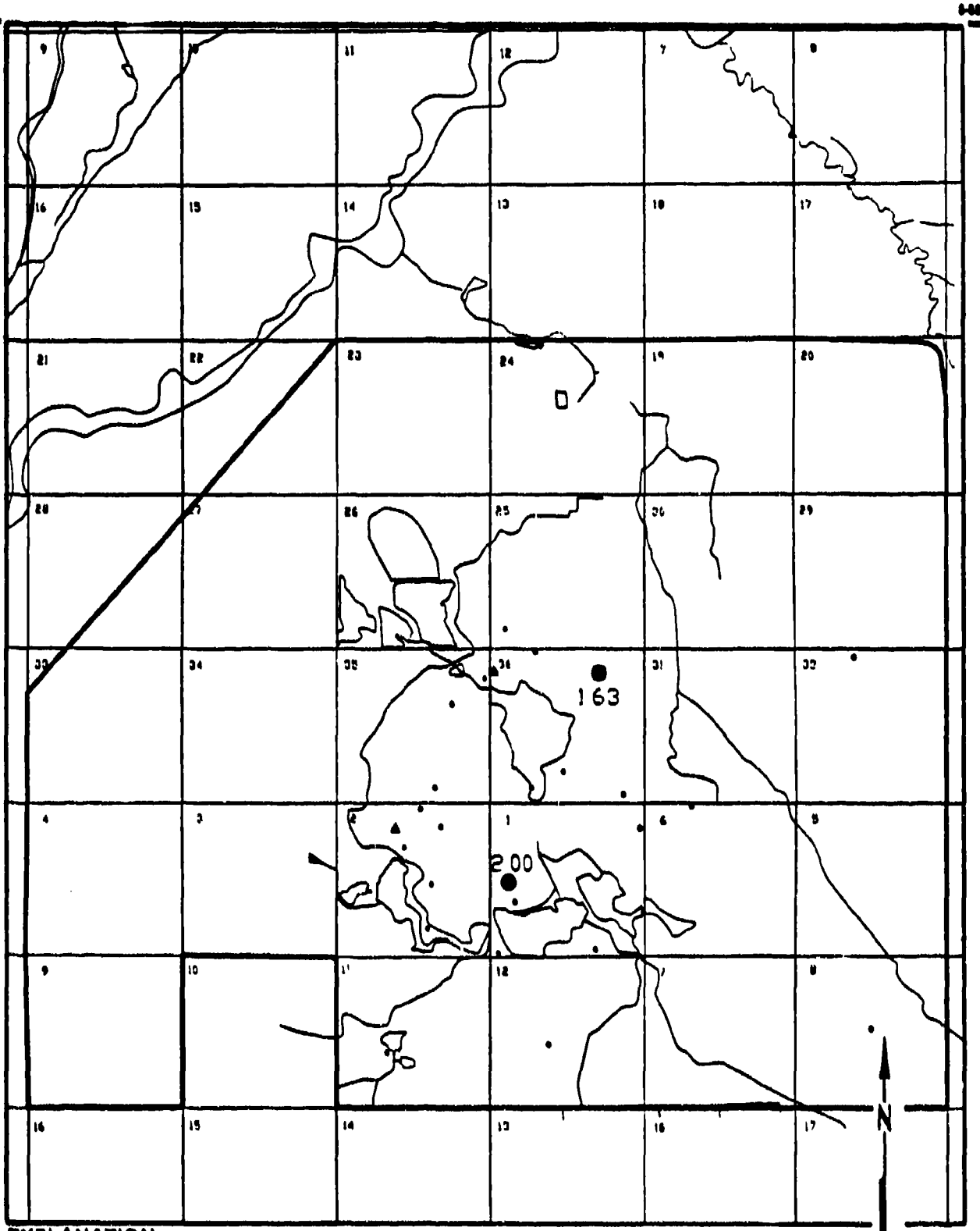
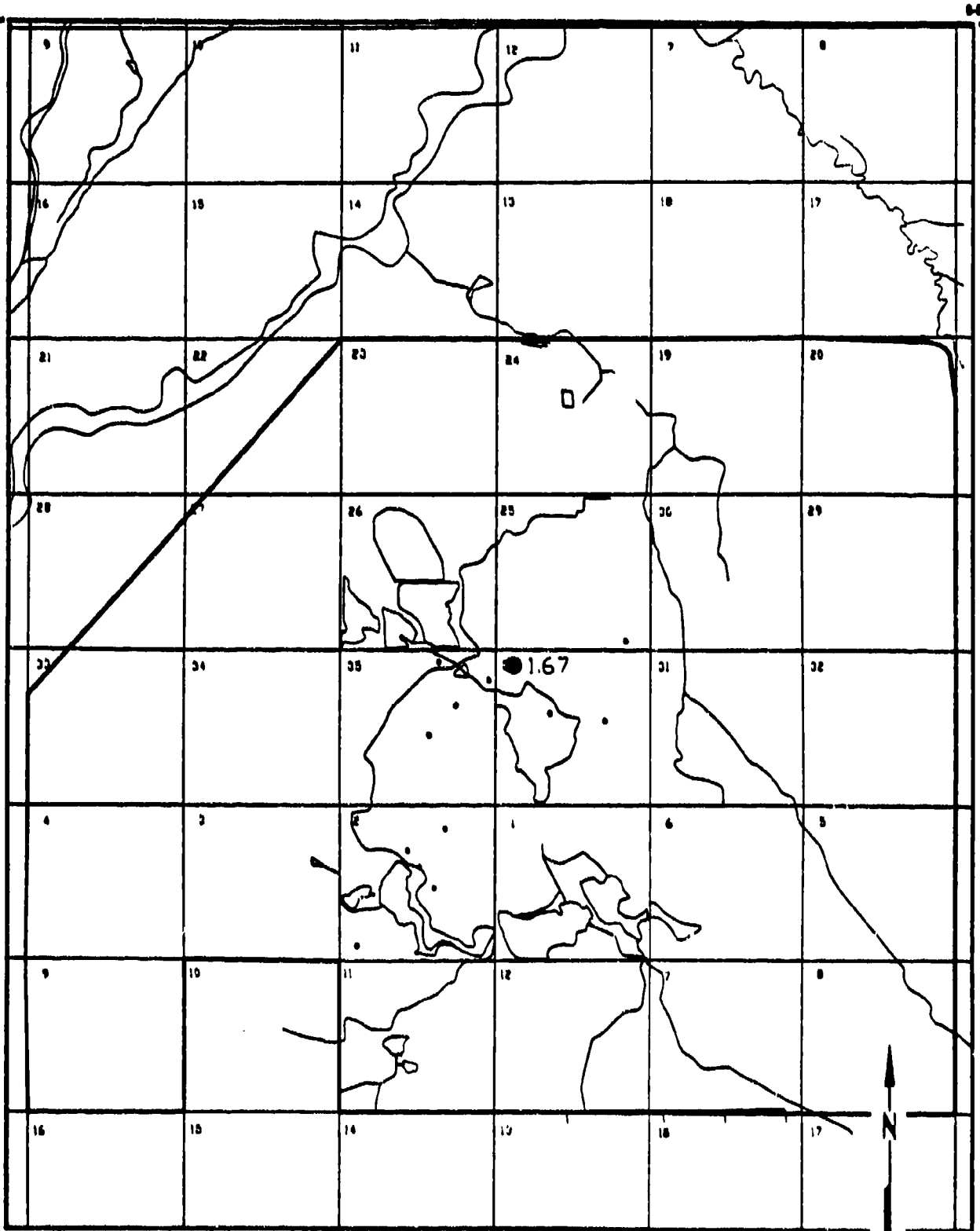


Figure D-76
BENZENE DETECTIONS DENVER ZONE A 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-77
BENZENE DETECTIONS DENVER ZONE 1U
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

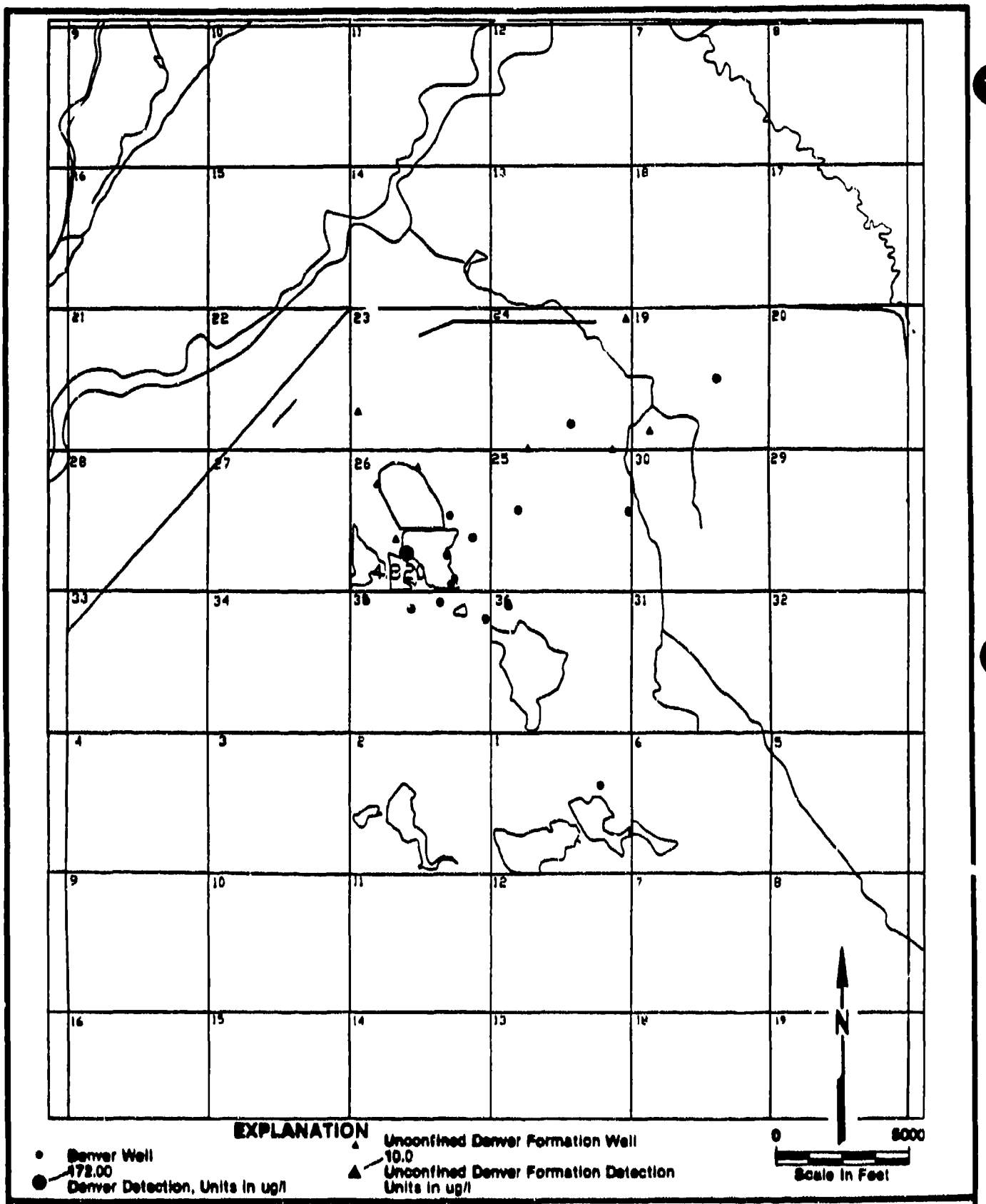
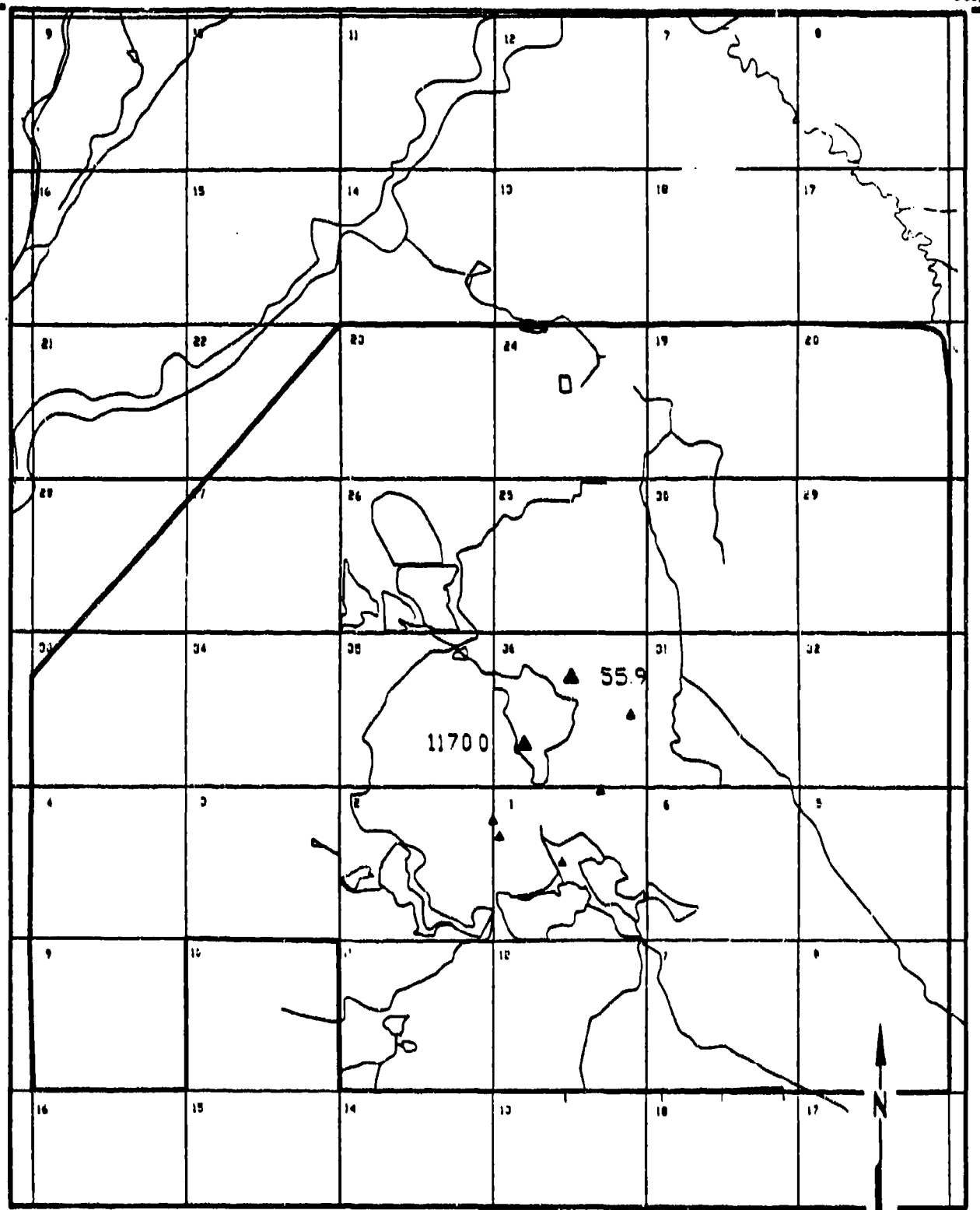


Figure D-78

BENZENE DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-79

CHLOROBENZENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

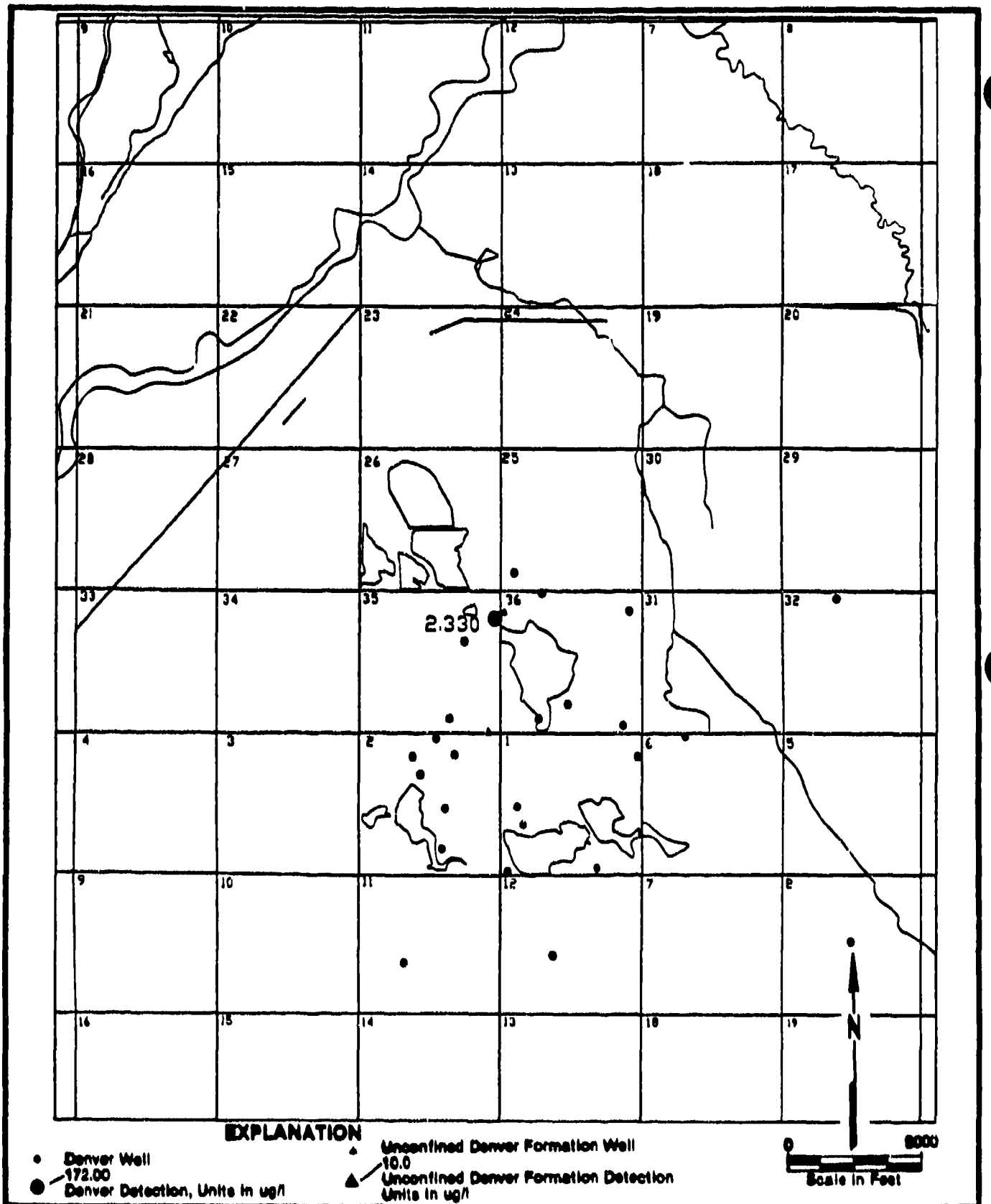
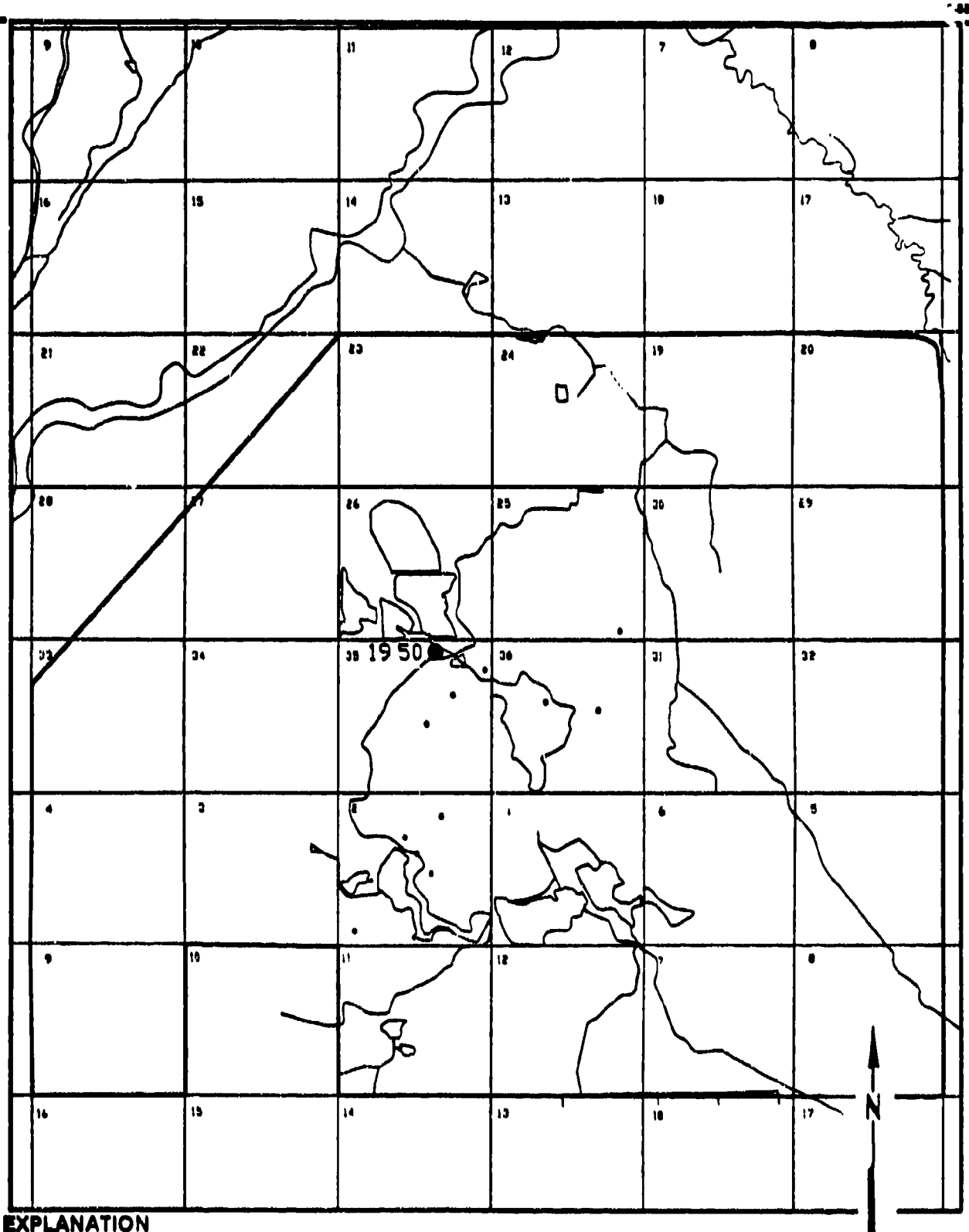


Figure D-80

CHLOROBENZENE DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-81

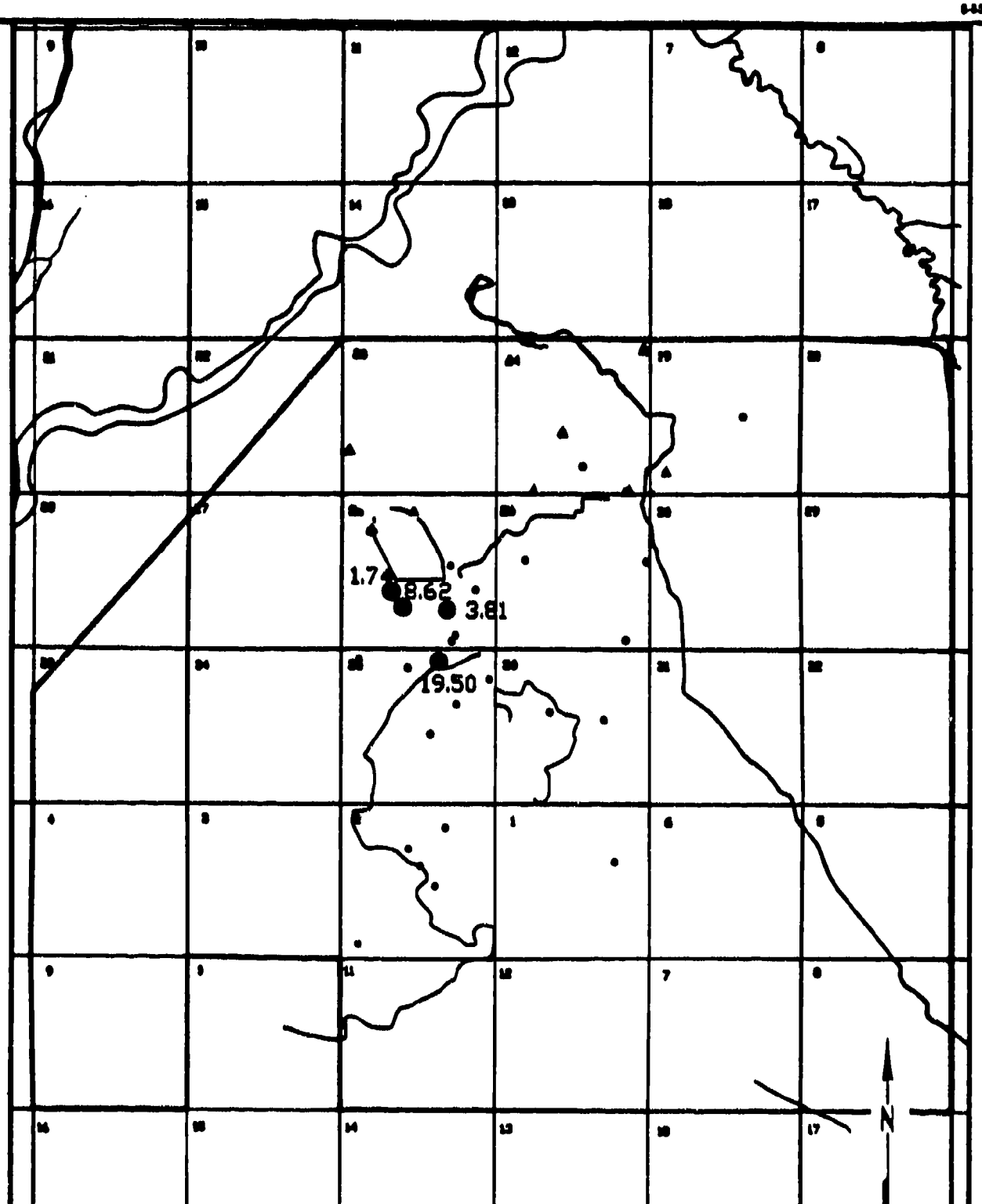
CHLOROBENZENE DETECTIONS DENVER ZONE 1U 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-82
CHLOROBENZENE DETECTIONS DENVER ZONE 1 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

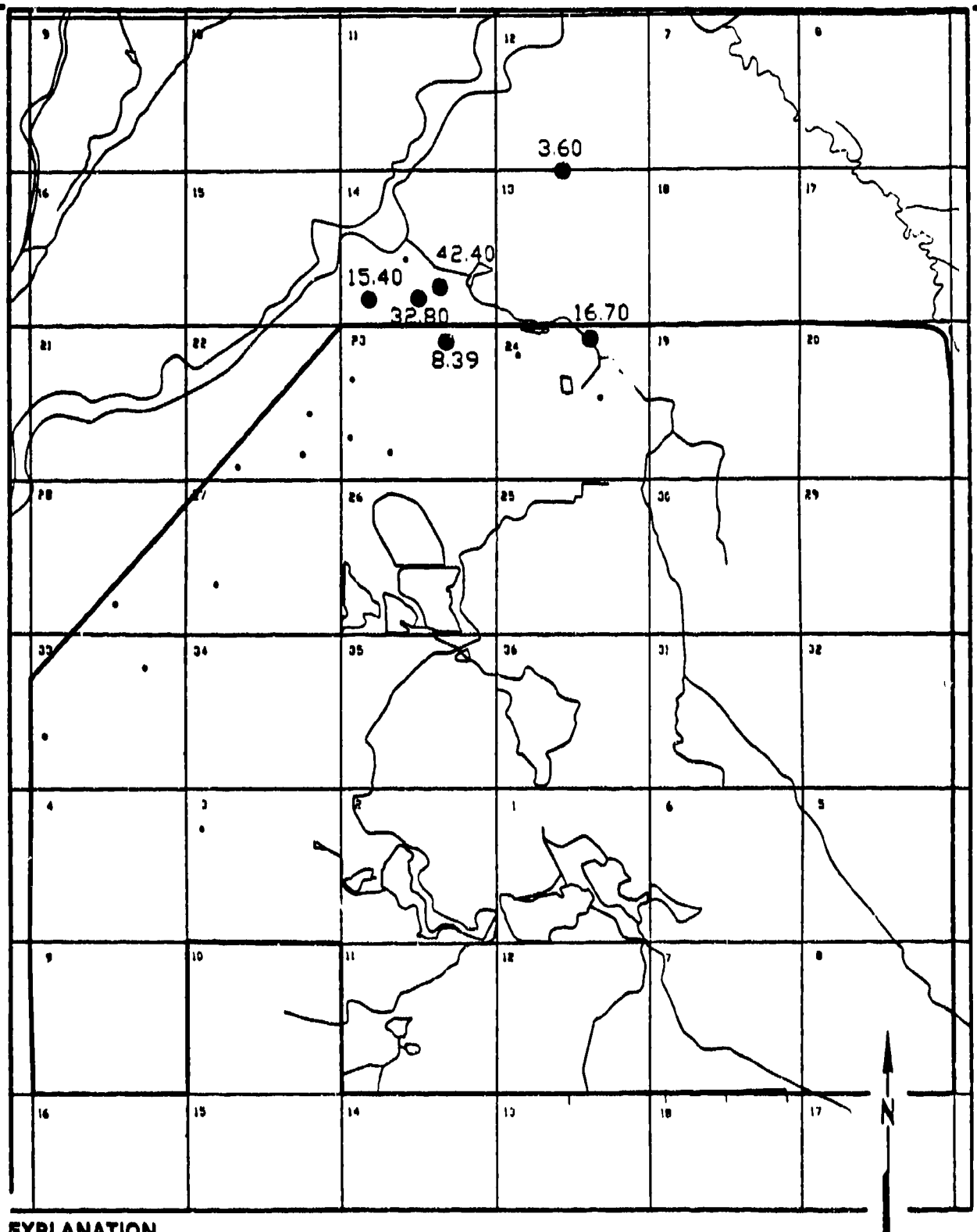
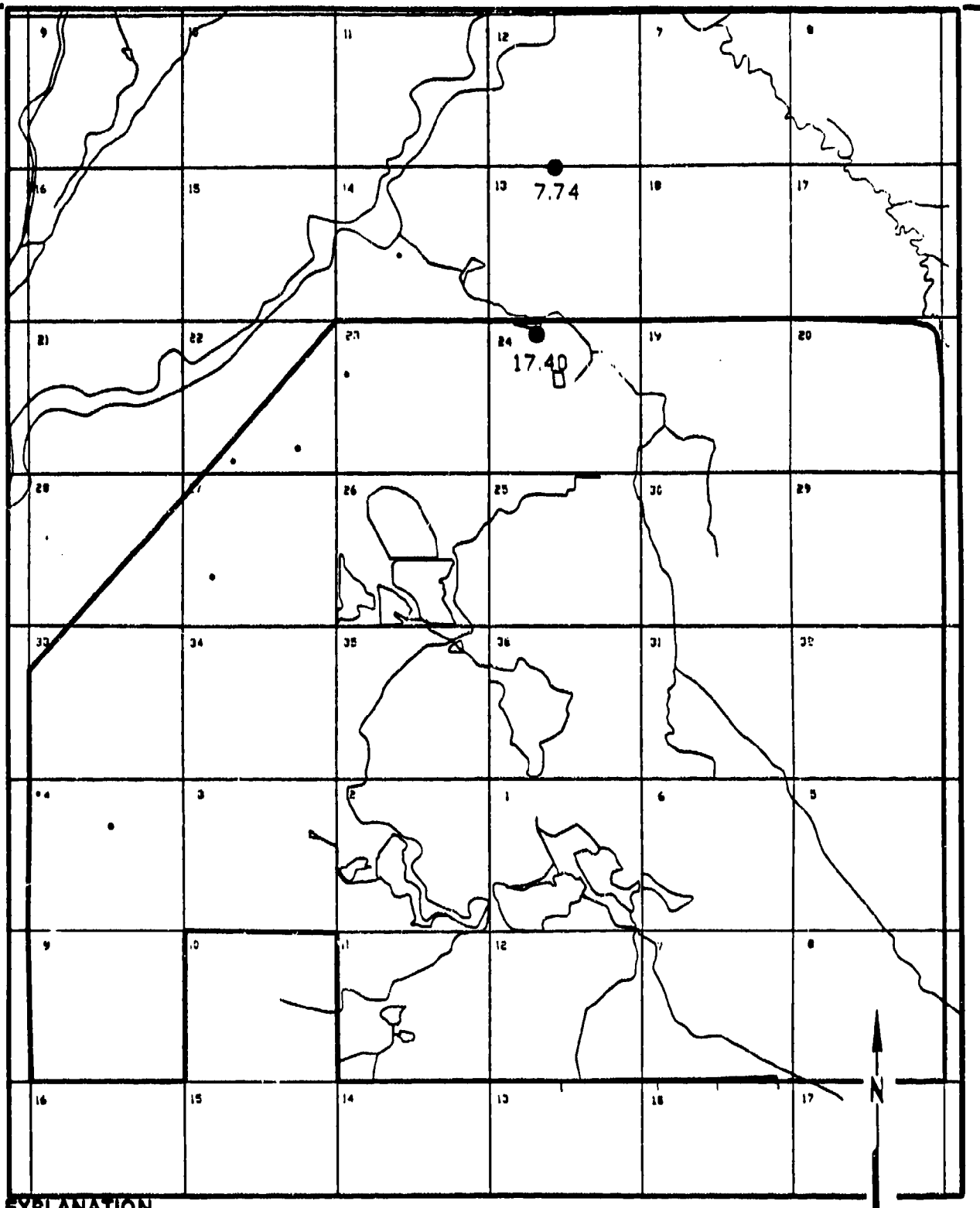


Figure D-83
CHLOROBENZENE DETECTIONS DENVER ZONE 4 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

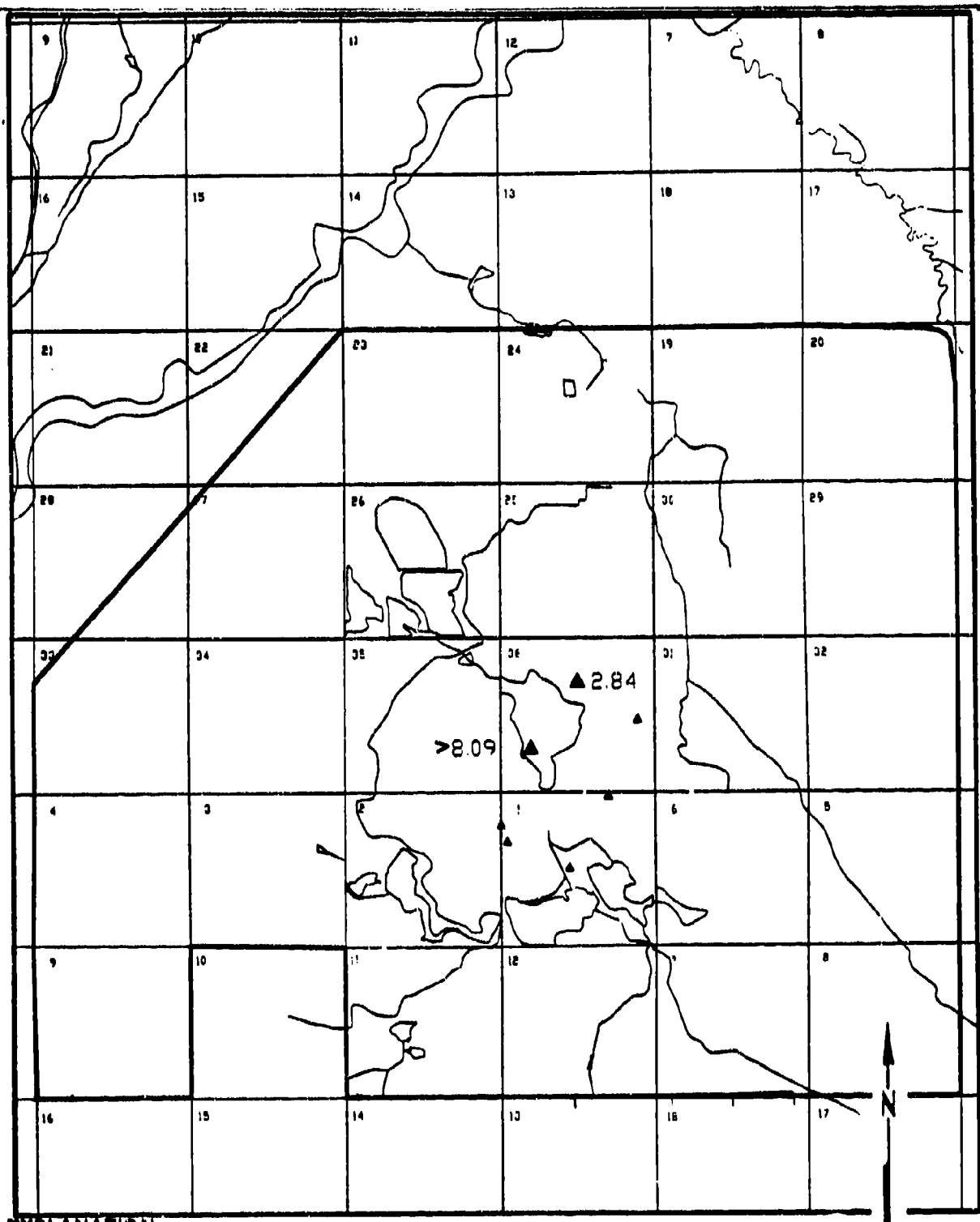
- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-84
CHLOROBENZENE DETECTIONS DENVER ZONE 5 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-85

ETHYLBENZENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

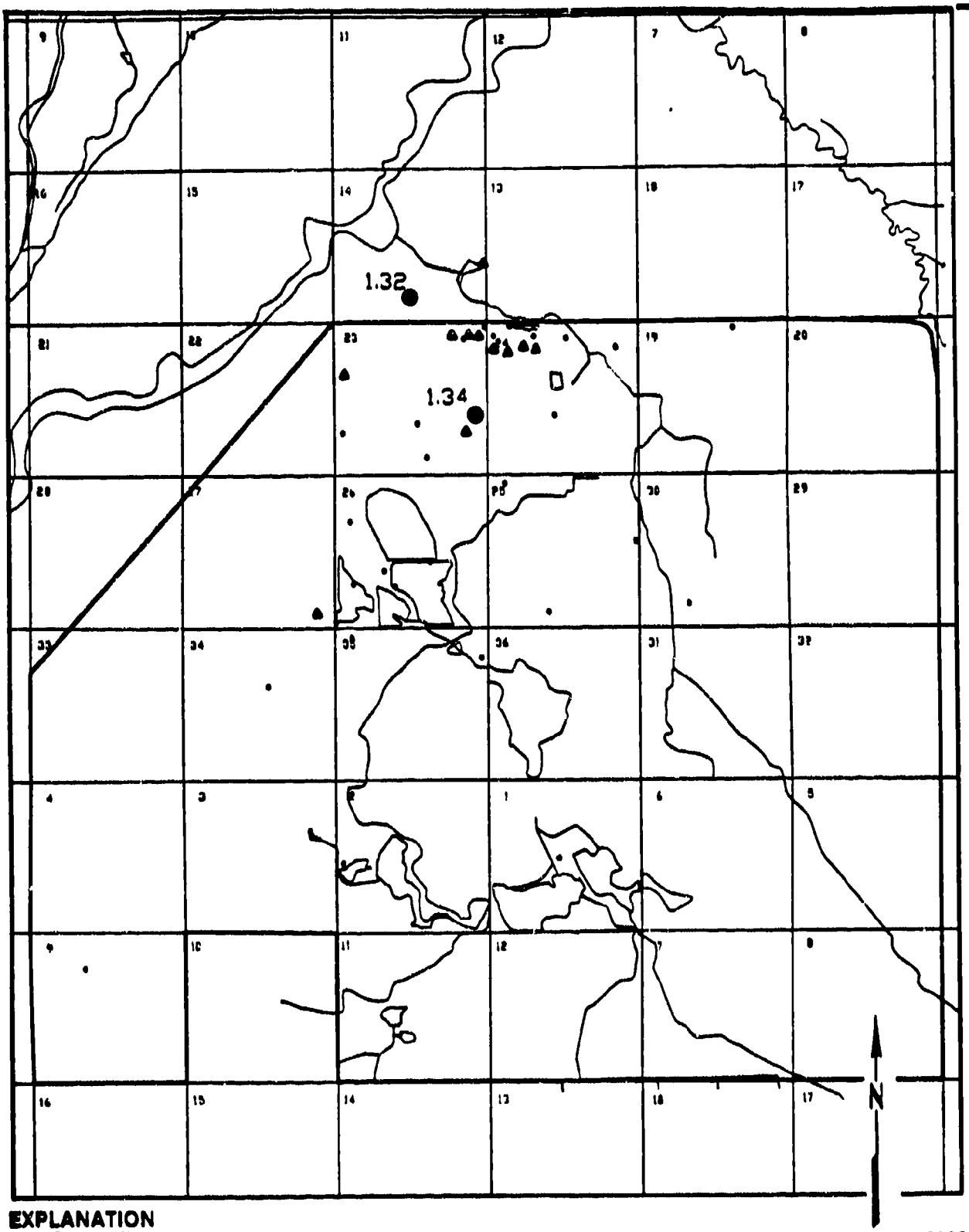
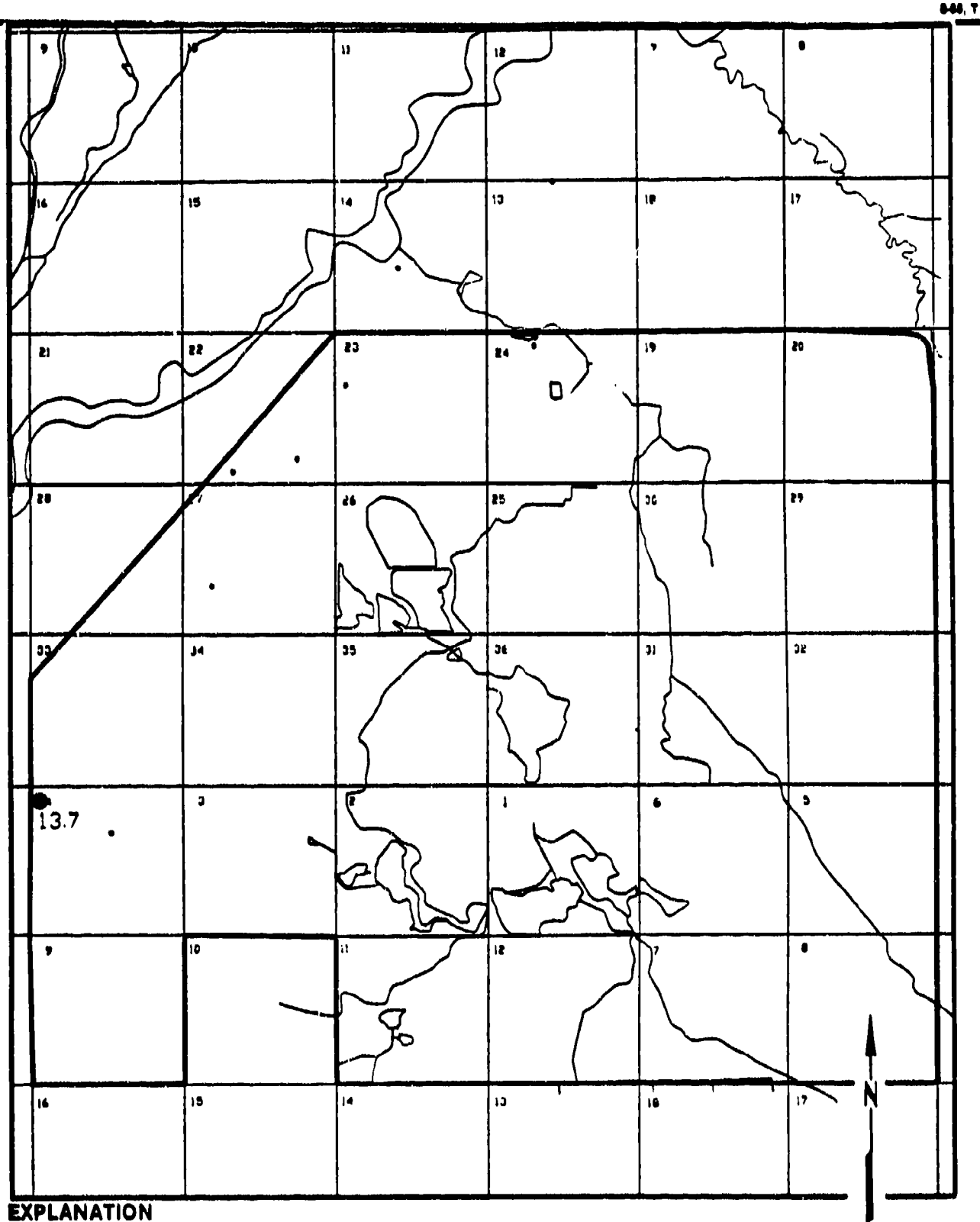


Figure D-88

ETHYLBENZENE DETECTIONS DENVER ZONE 2 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-87

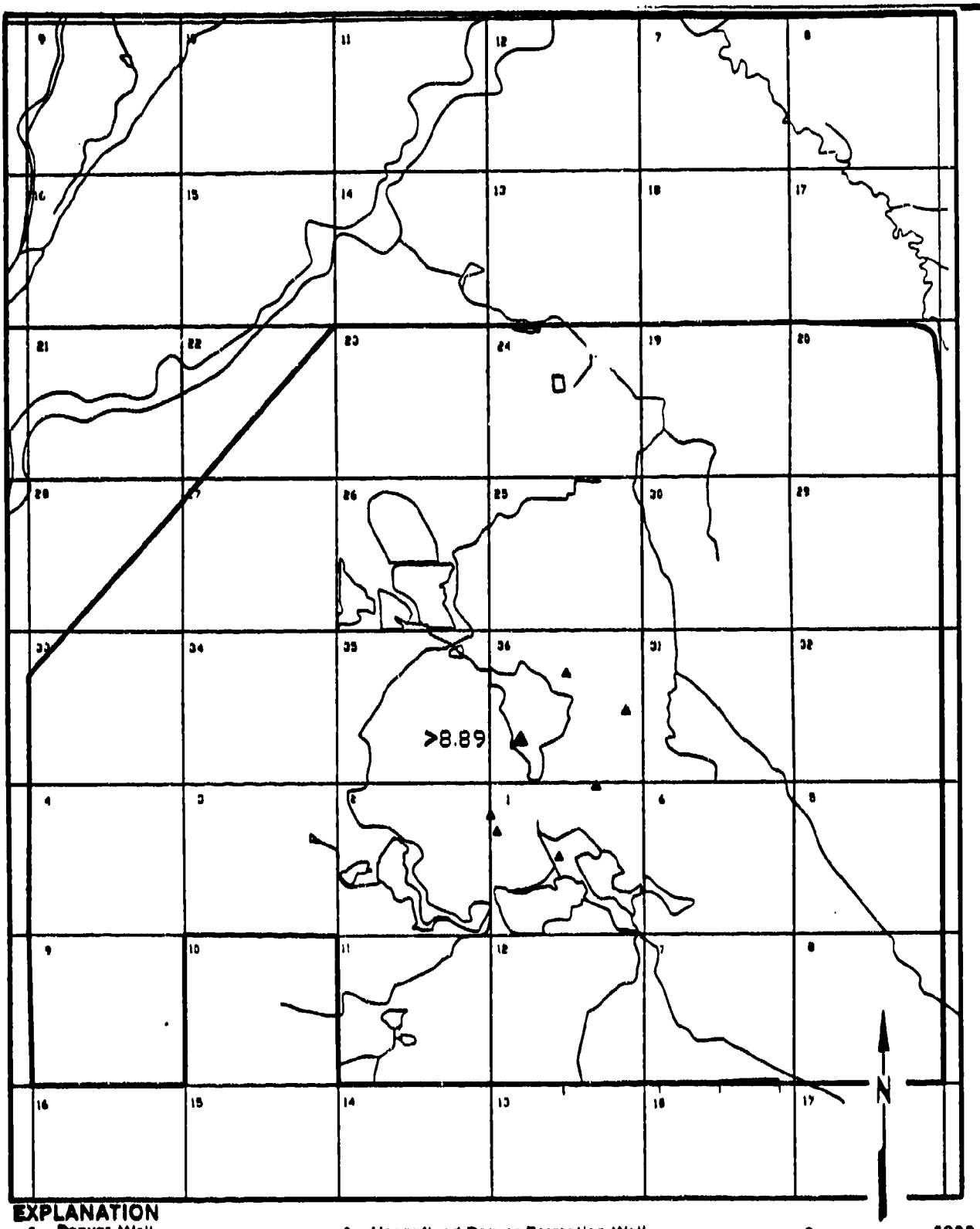
ETHYLBENZENE DETECTIONS DENVER ZONE 5 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-88
TOLUENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

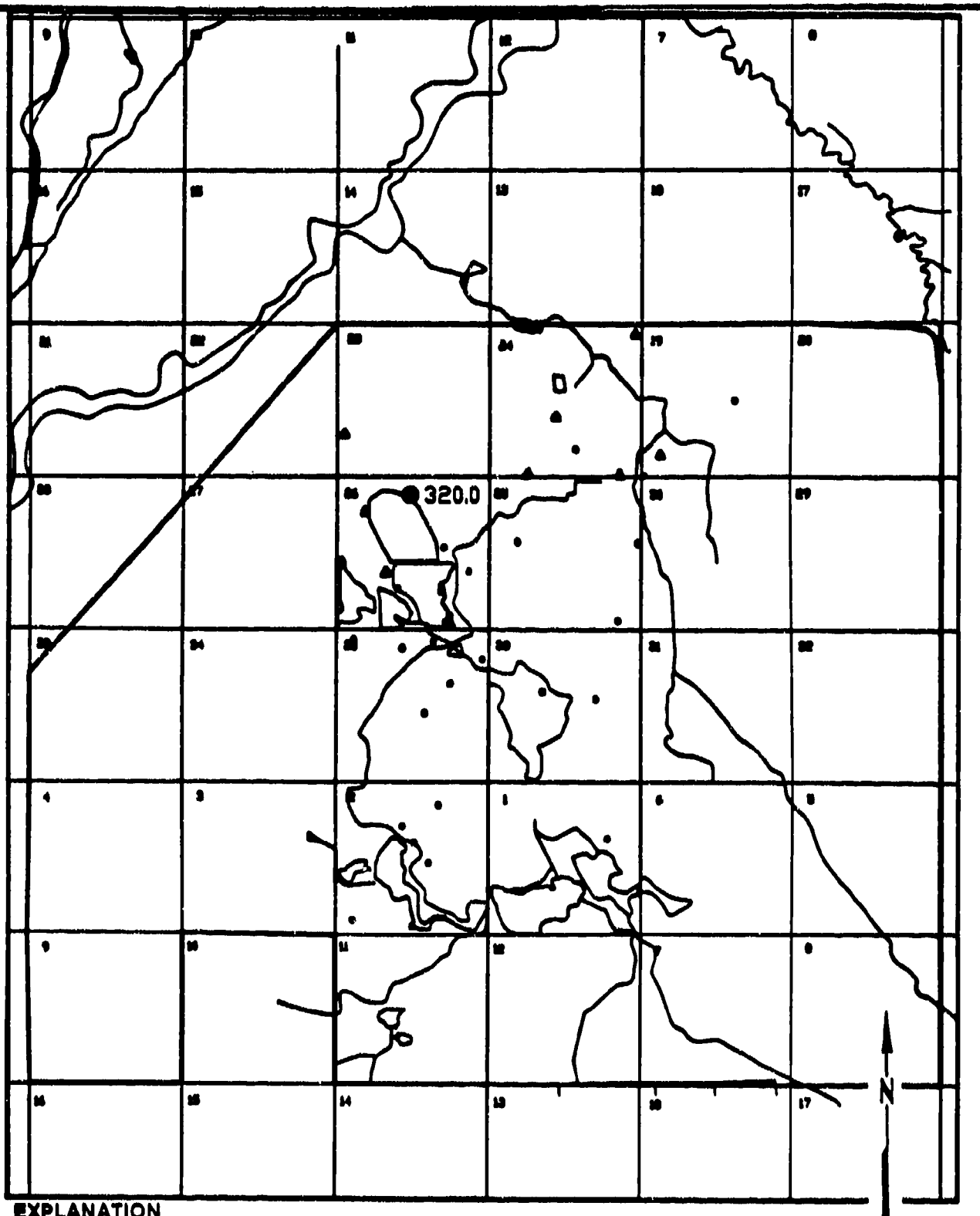


Figure D-89
TOLUENE DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

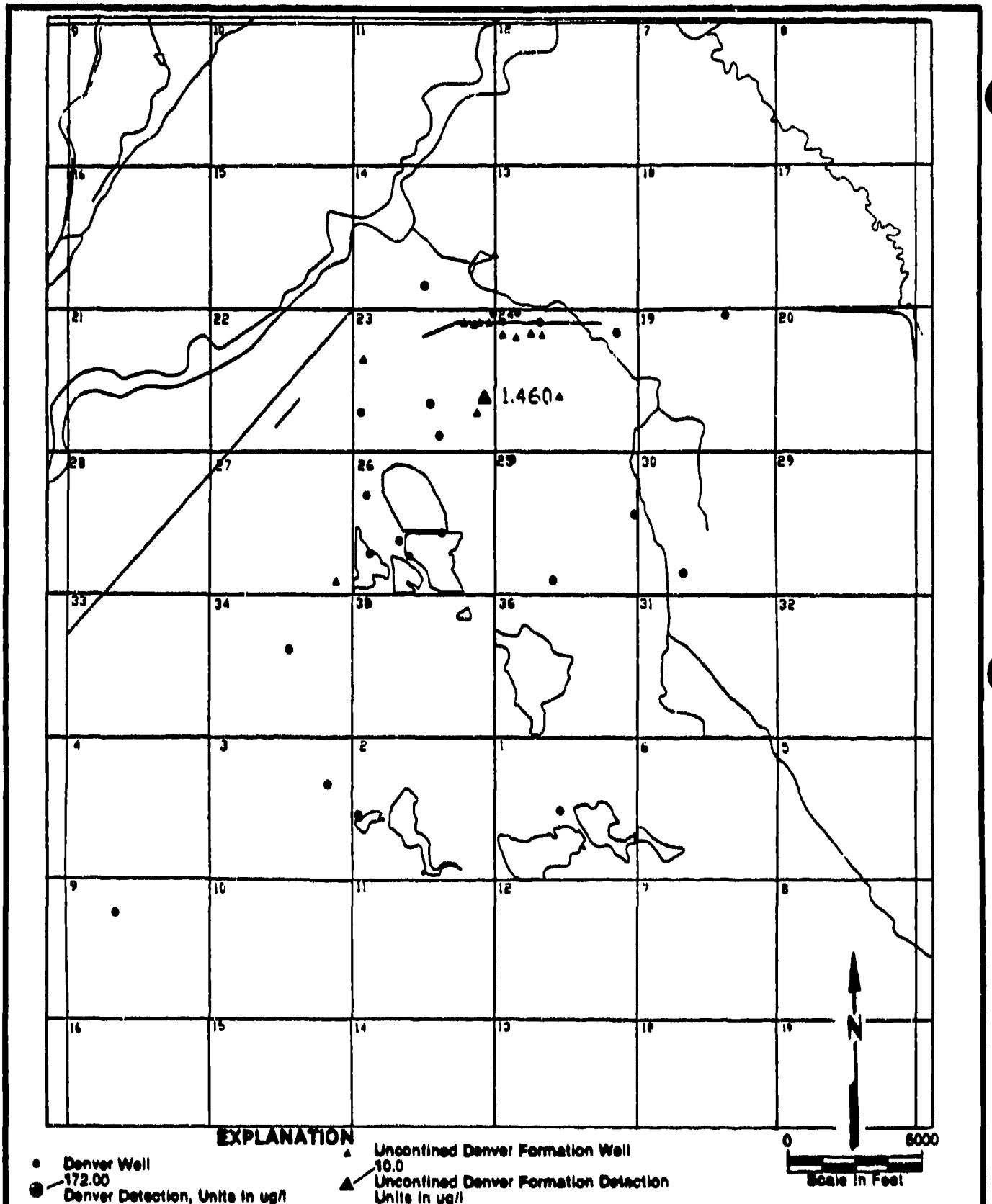
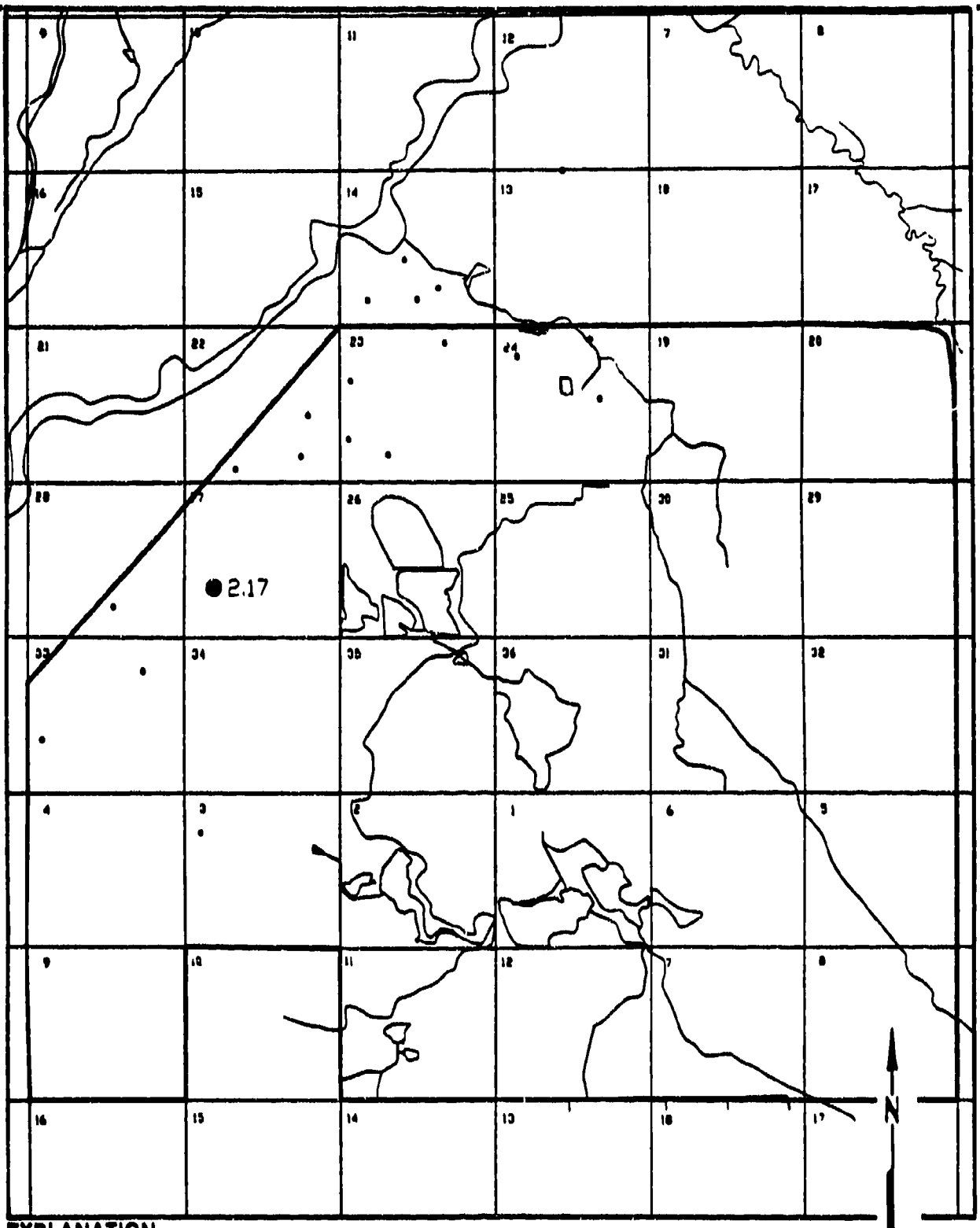


Figure D-90

TOLUENE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

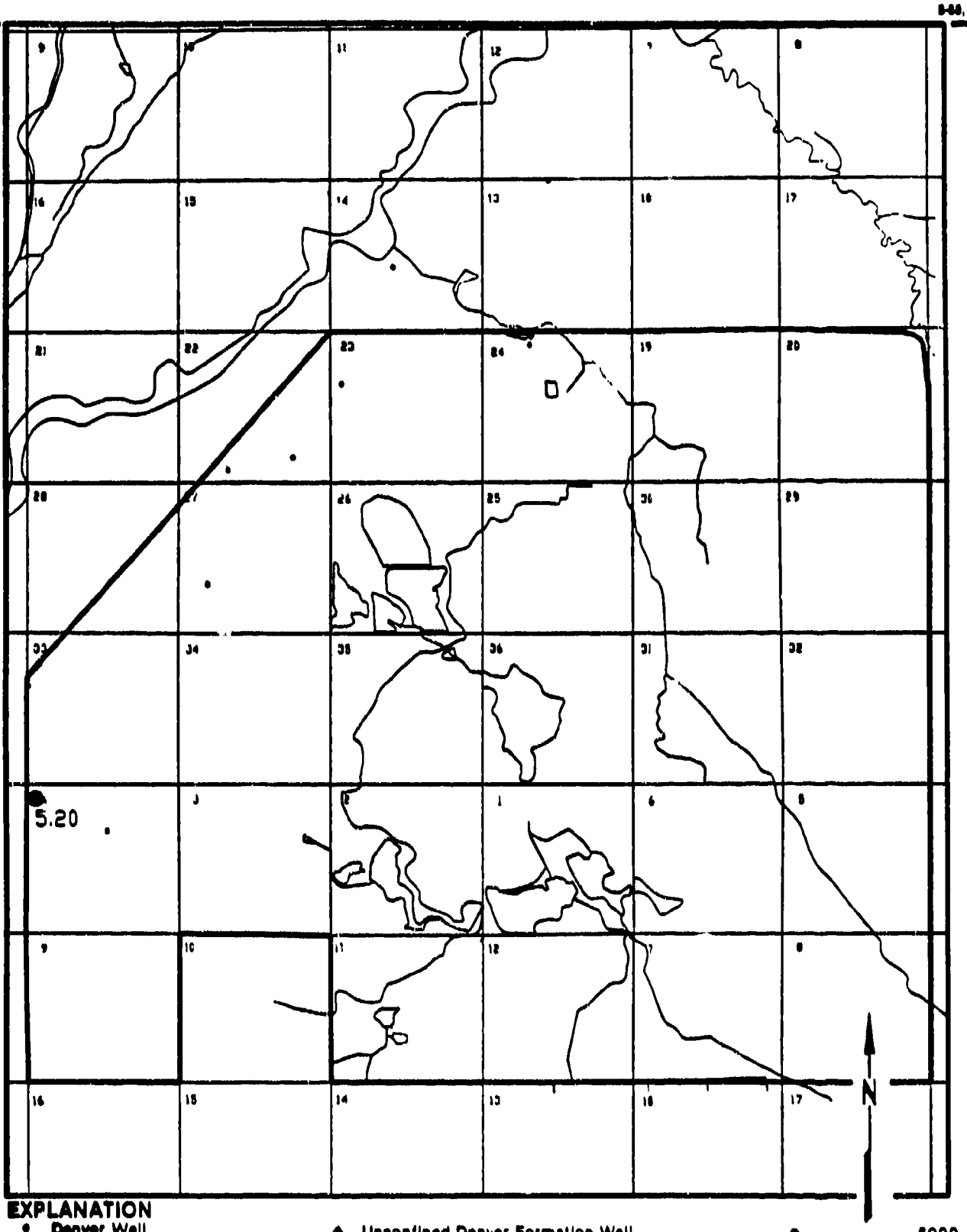
Figure D-91

TOLUENE DETECTIONS DENVER ZONE 4
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



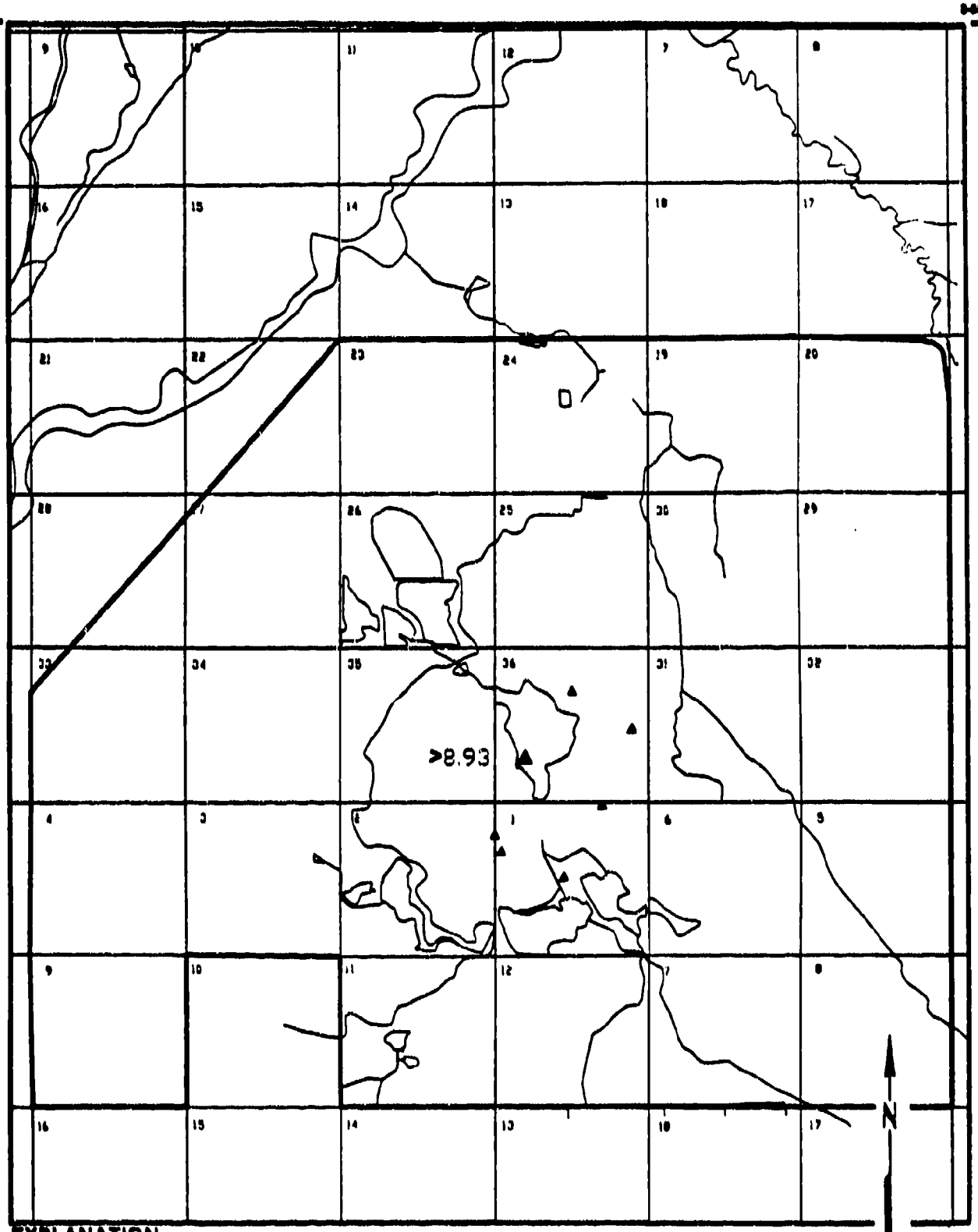
EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-92
TOLUENE DETECTIONS DENVER ZONE 5
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



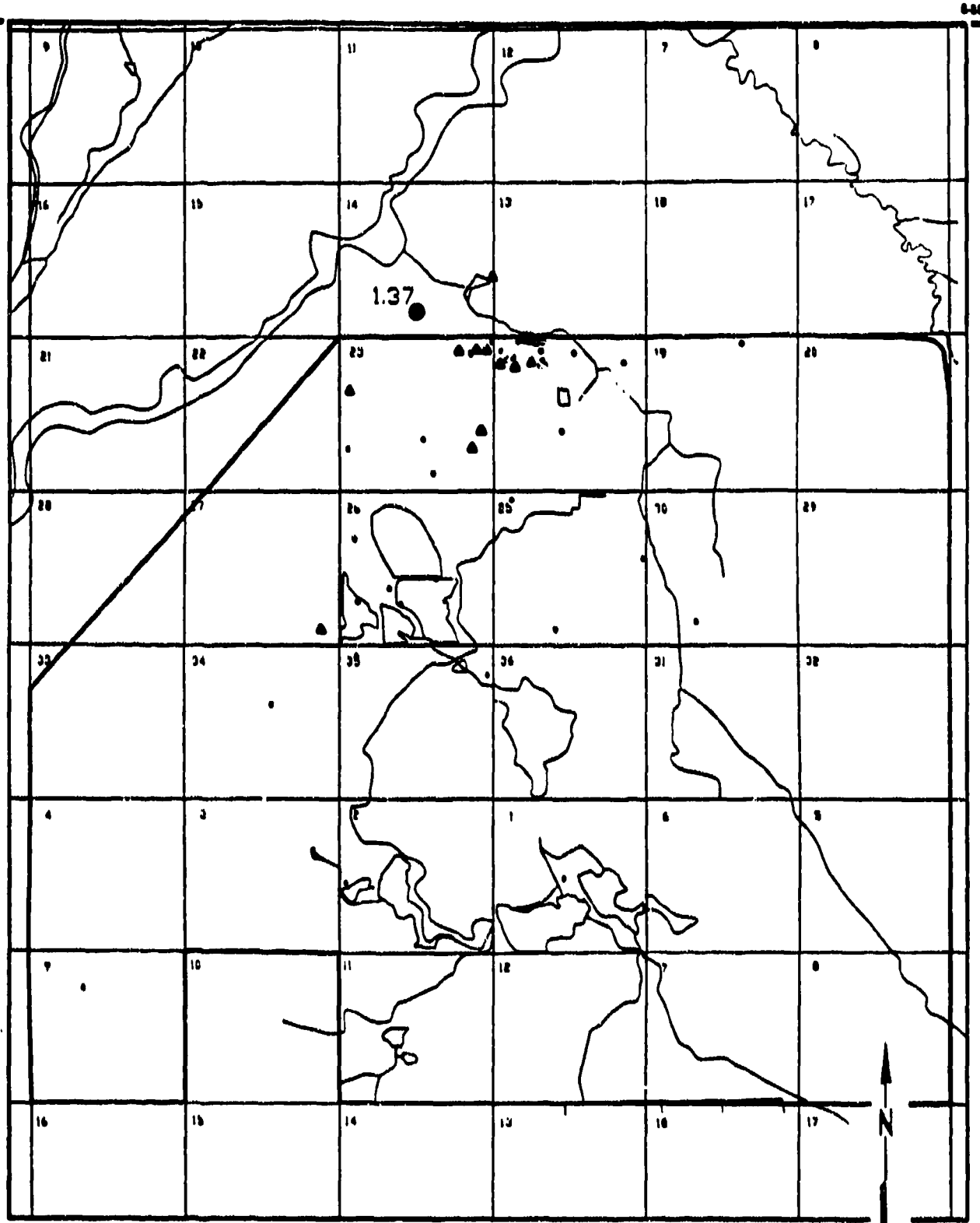
EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-93
M-XYLENE DETECTIONS DENVER ZONE
VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-94
M-XYLENE DETECTIONS DENVER ZONE 2 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

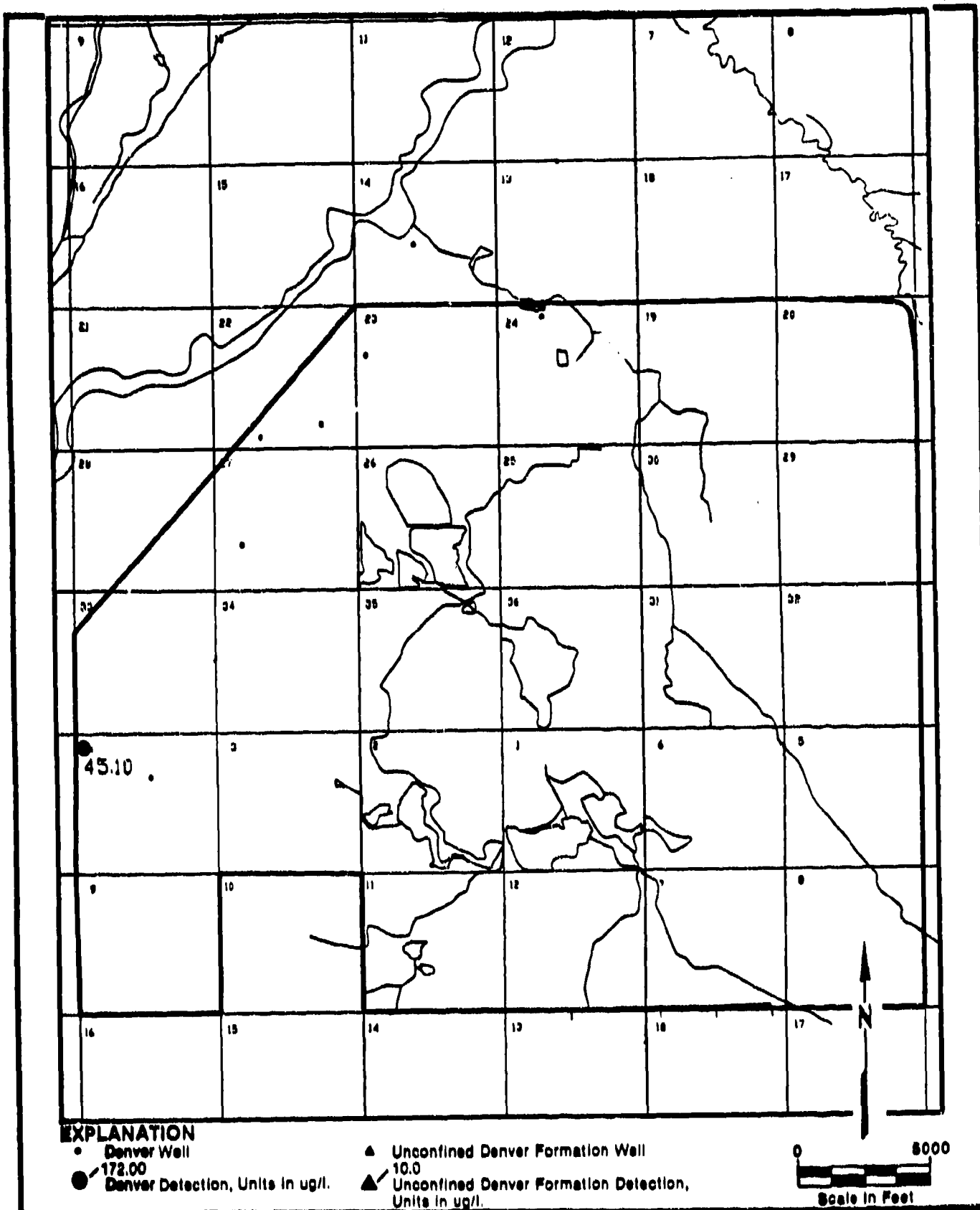
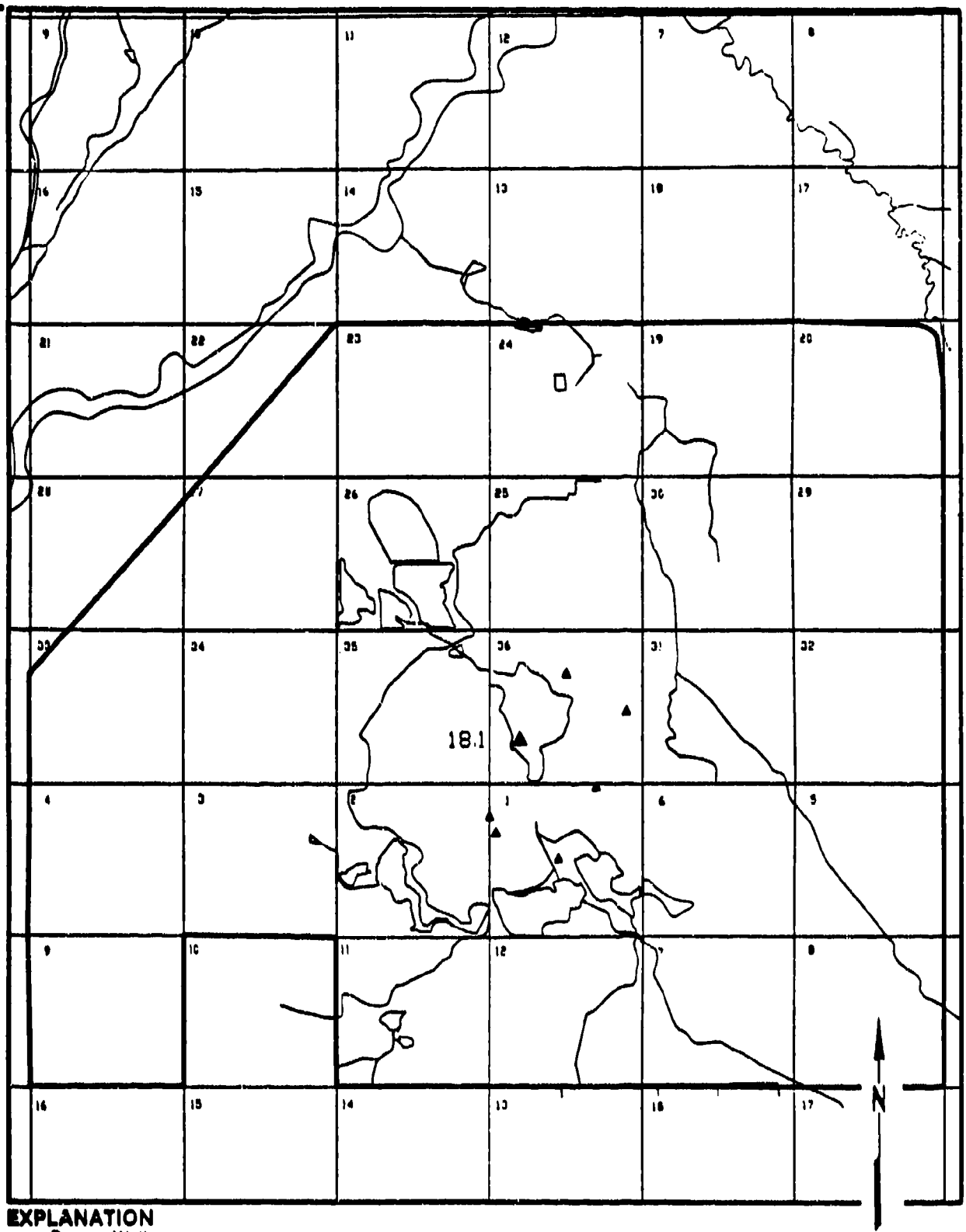


Figure D-95
M-XYLENE DETECTIONS DENVER ZONE 5
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-98
O,P-XYLENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

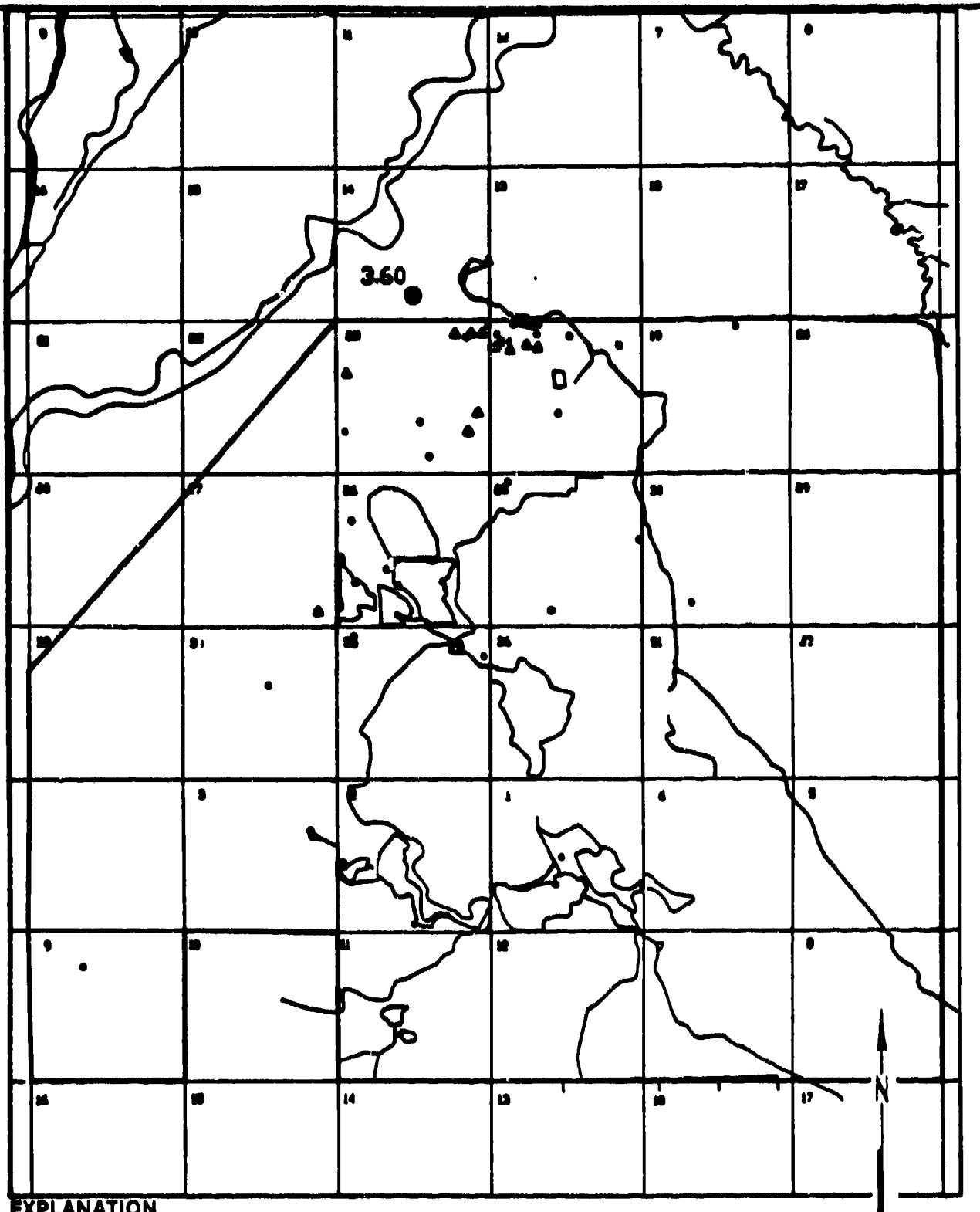
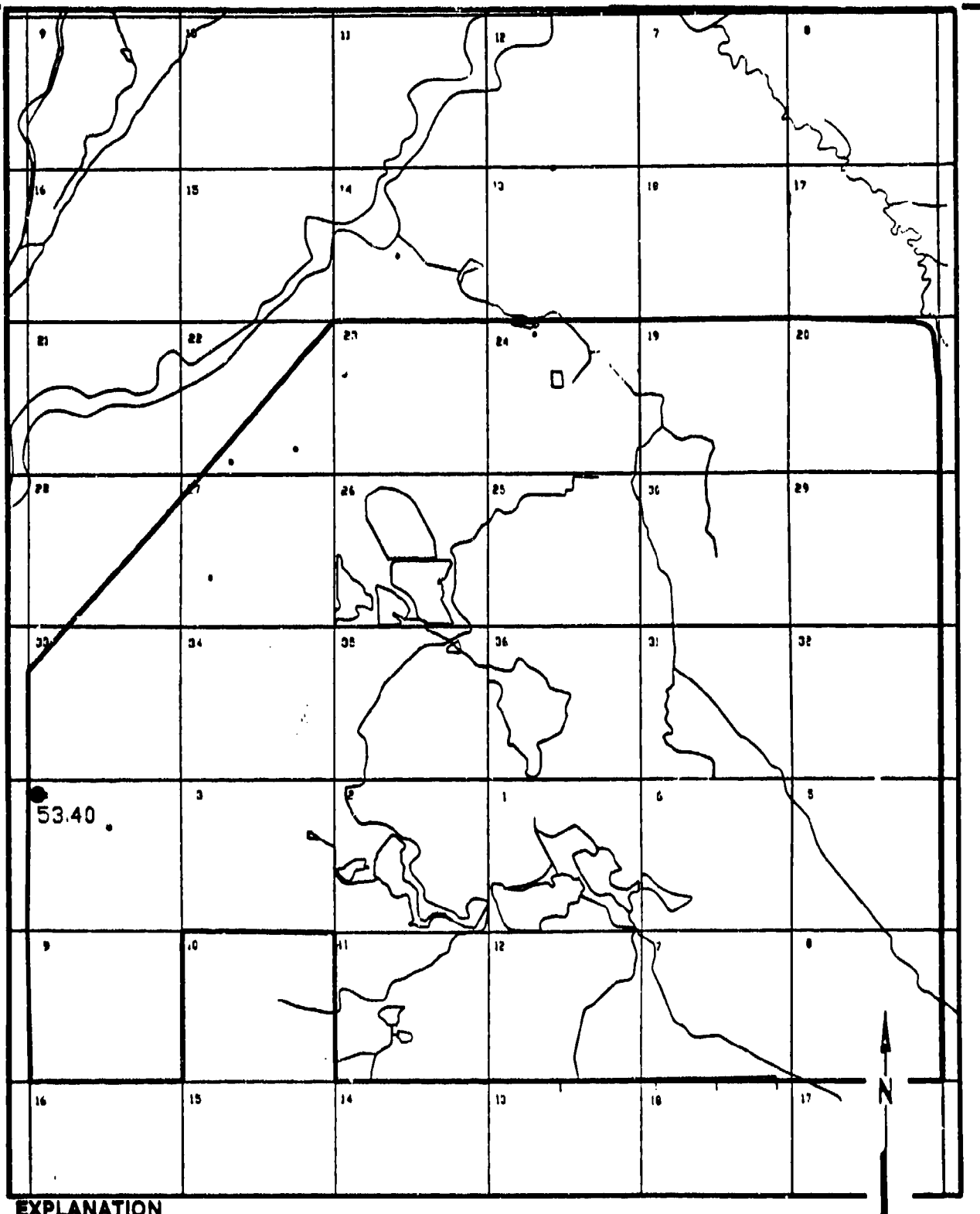


Figure D-97.
O,P-XYLENE DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-98

O,P-XYLENE DETECTIONS DENVER ZONE 5 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

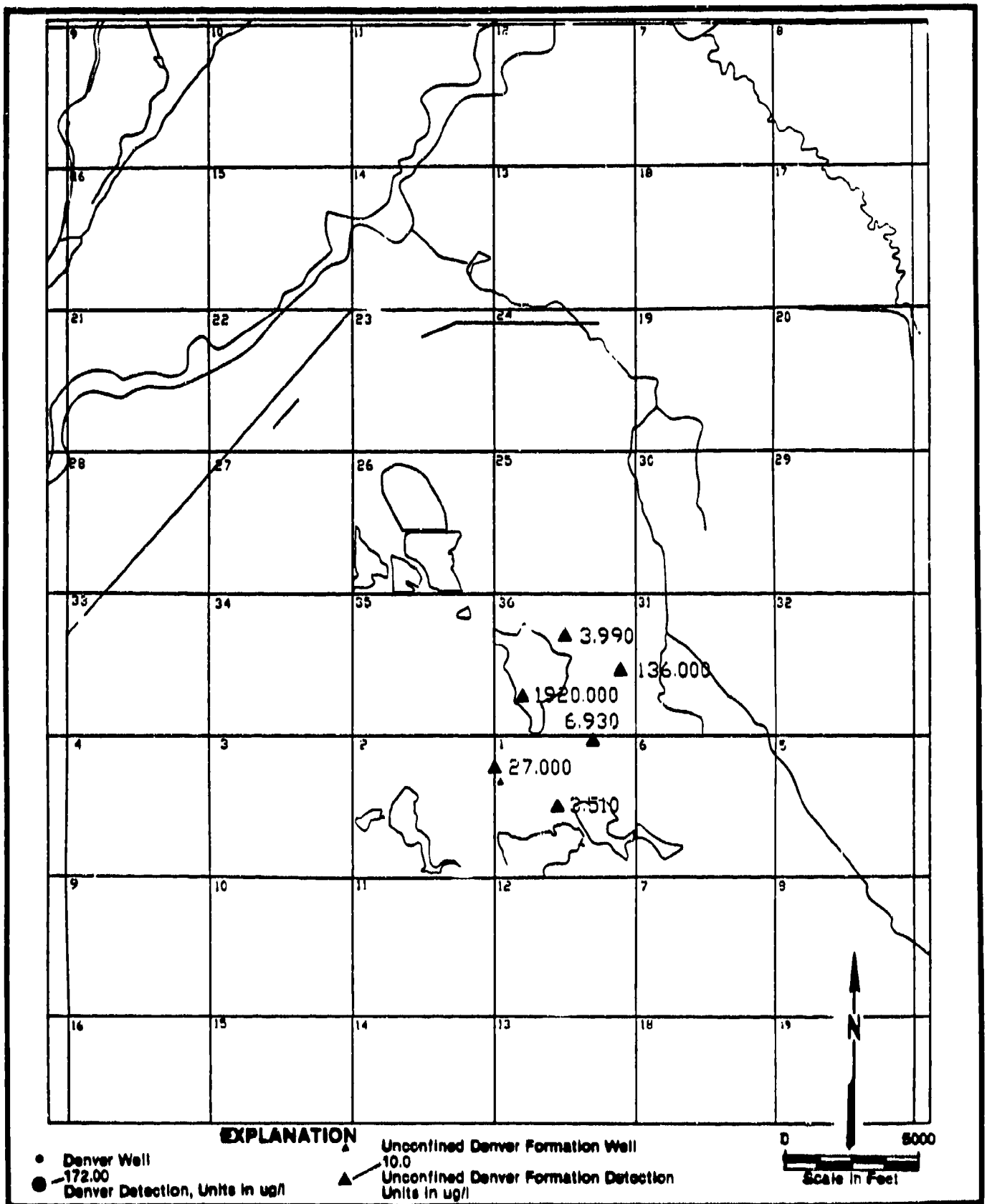


Figure D-99

CHLOROFORM DETECTIONS DENVER ZONE VC/VCE,3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

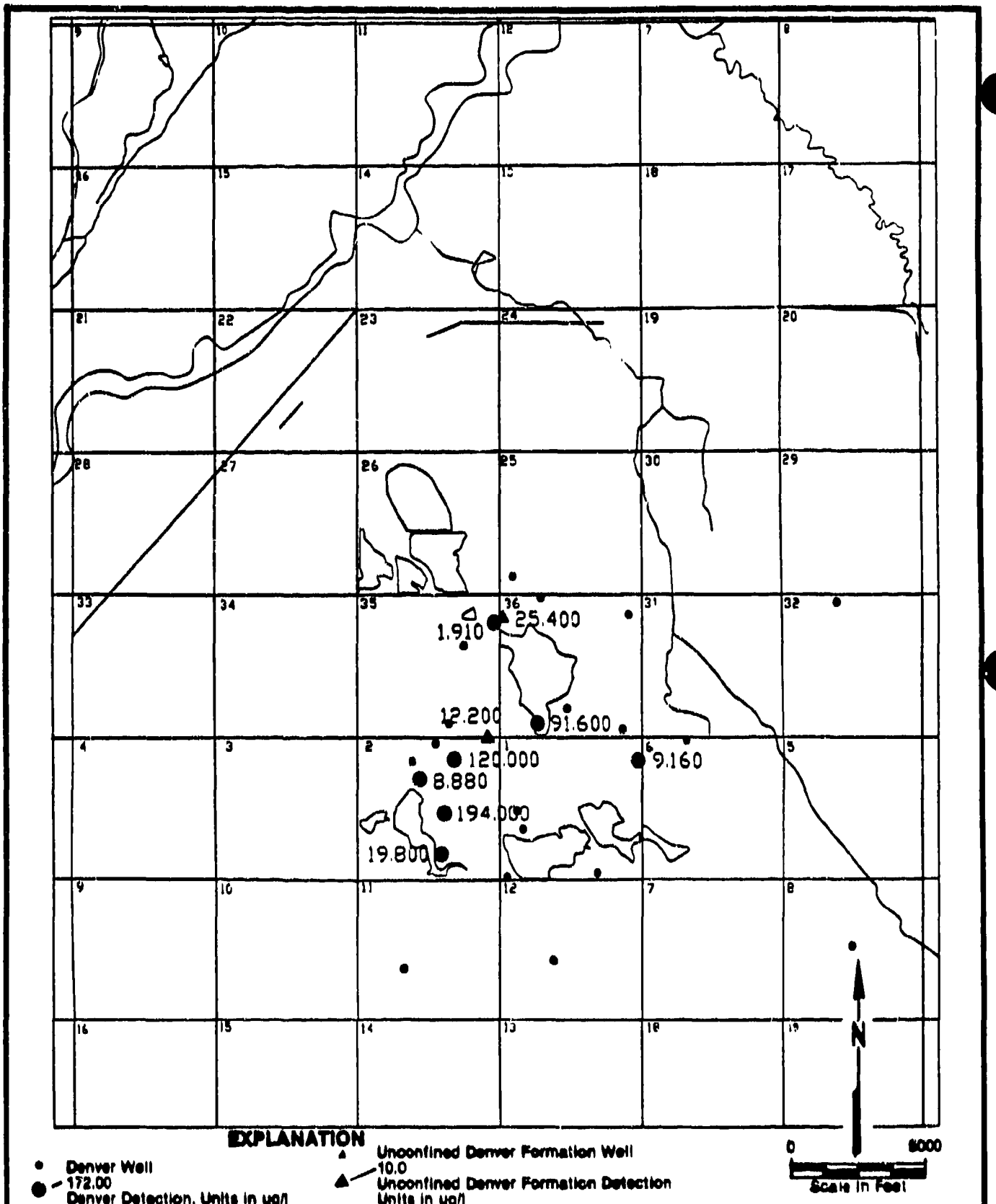
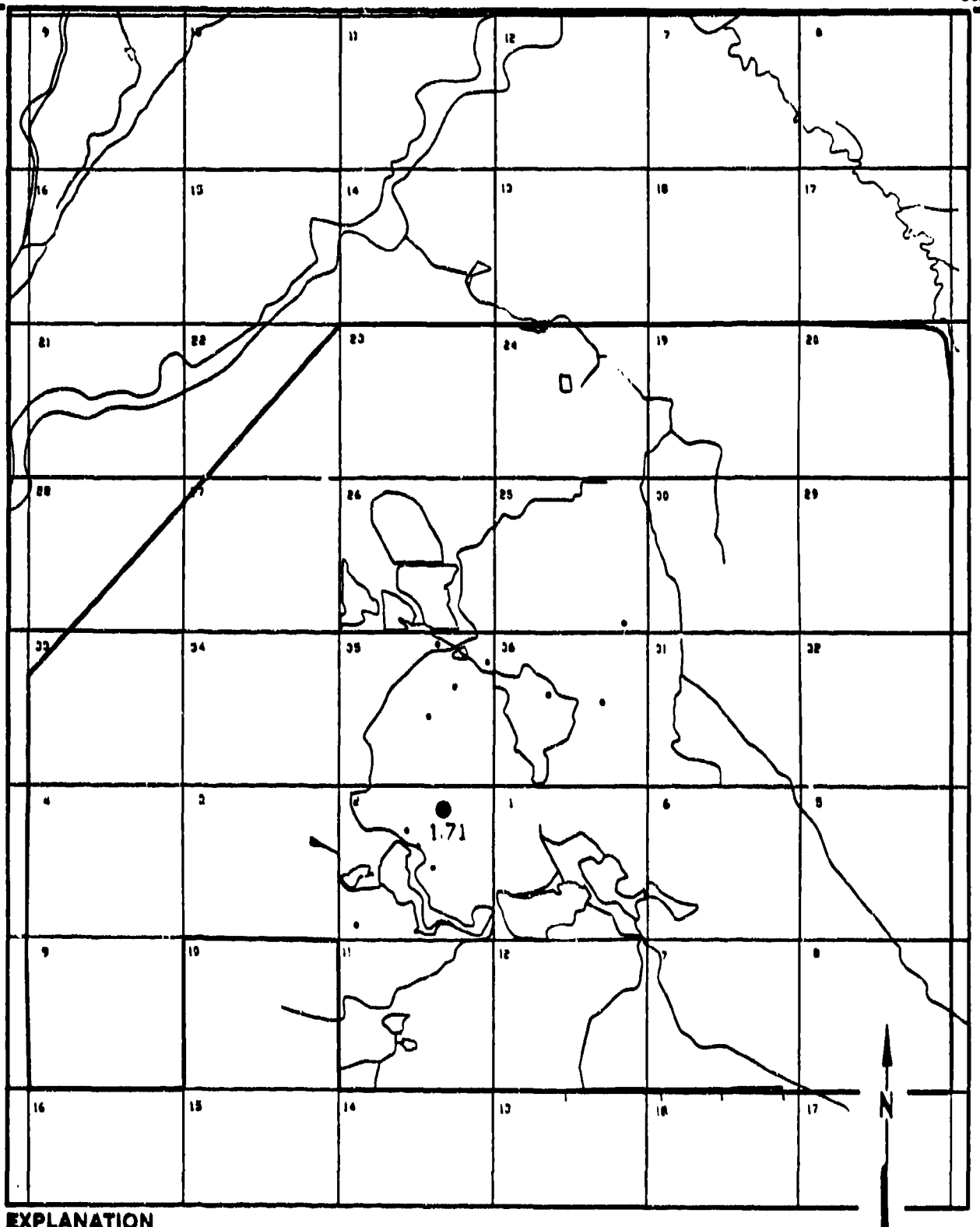


Figure D-100

CHLOROFORM DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-101
CHLOROFORM DETECTIONS DENVER ZONE 1U 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

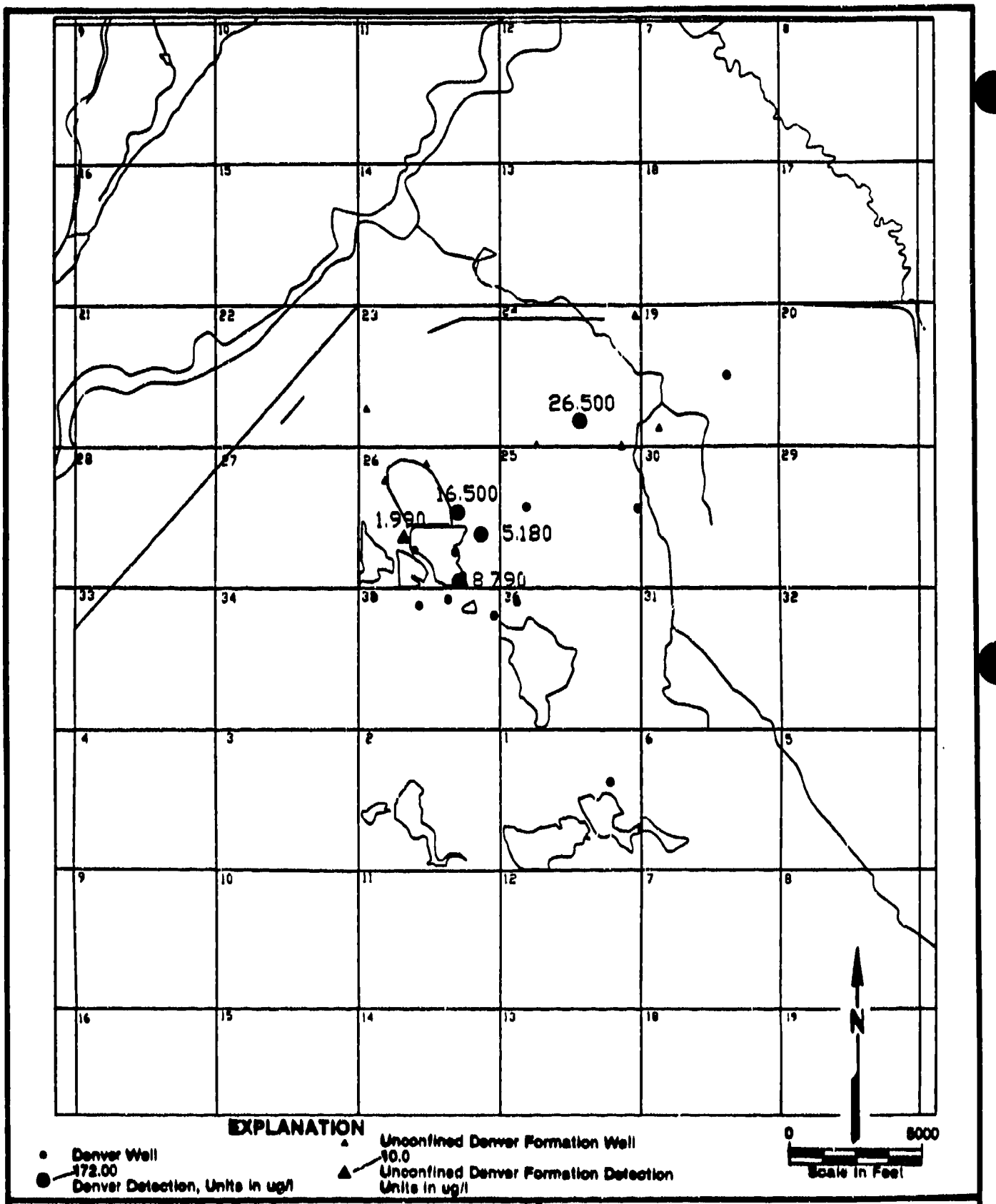


Figure D-102

CHLOROFORM DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

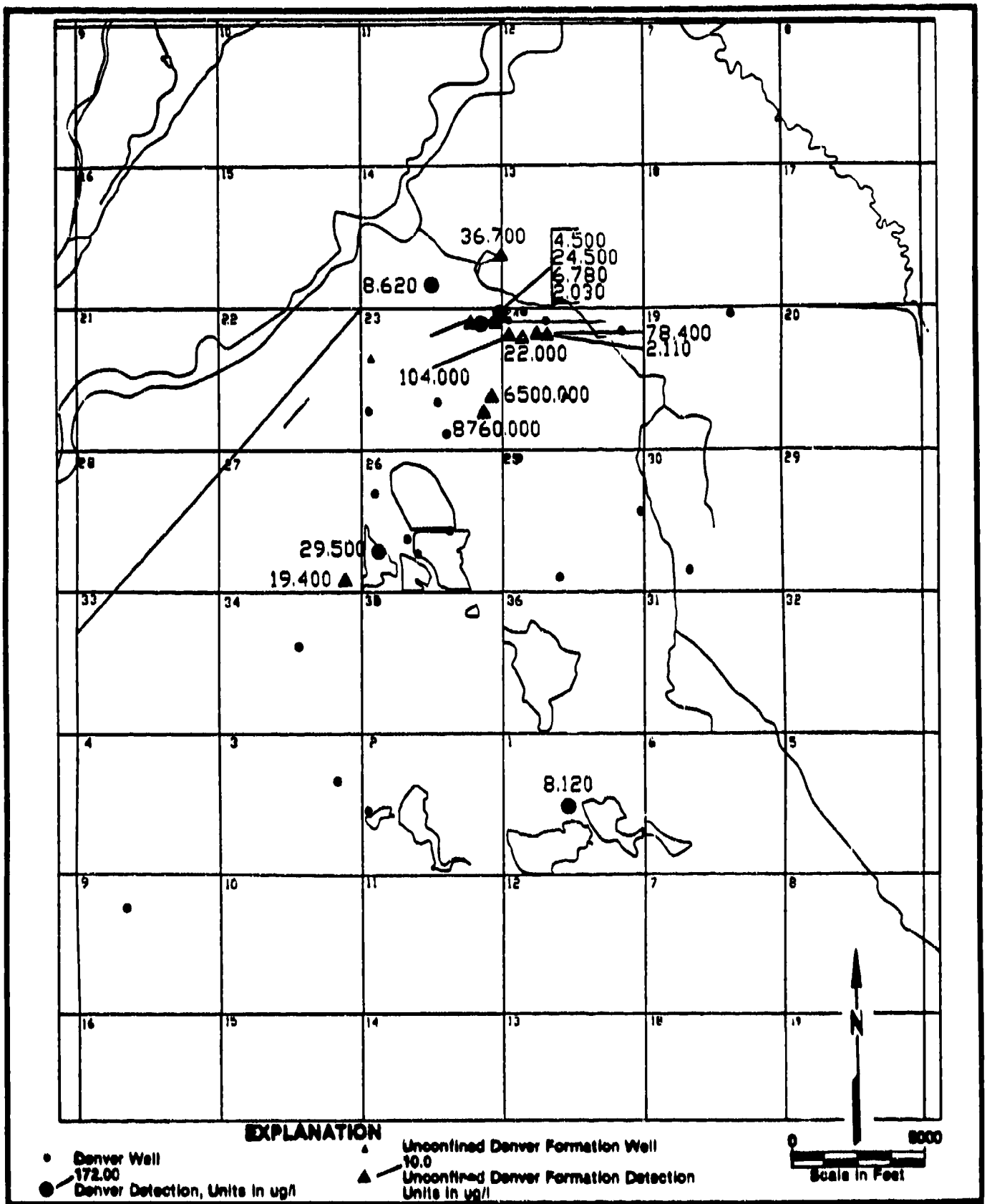


Figure D-103

CHLOROFORM DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

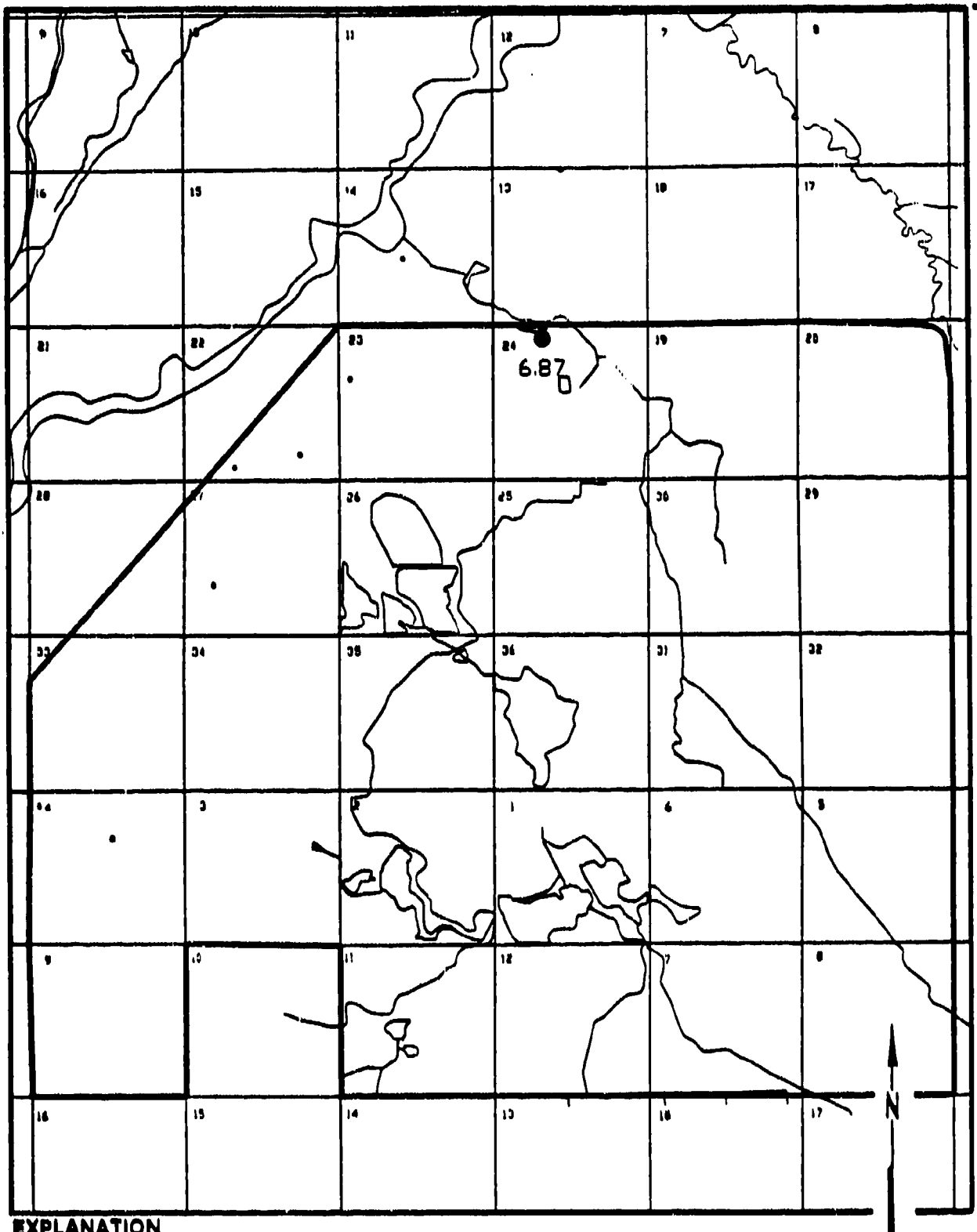
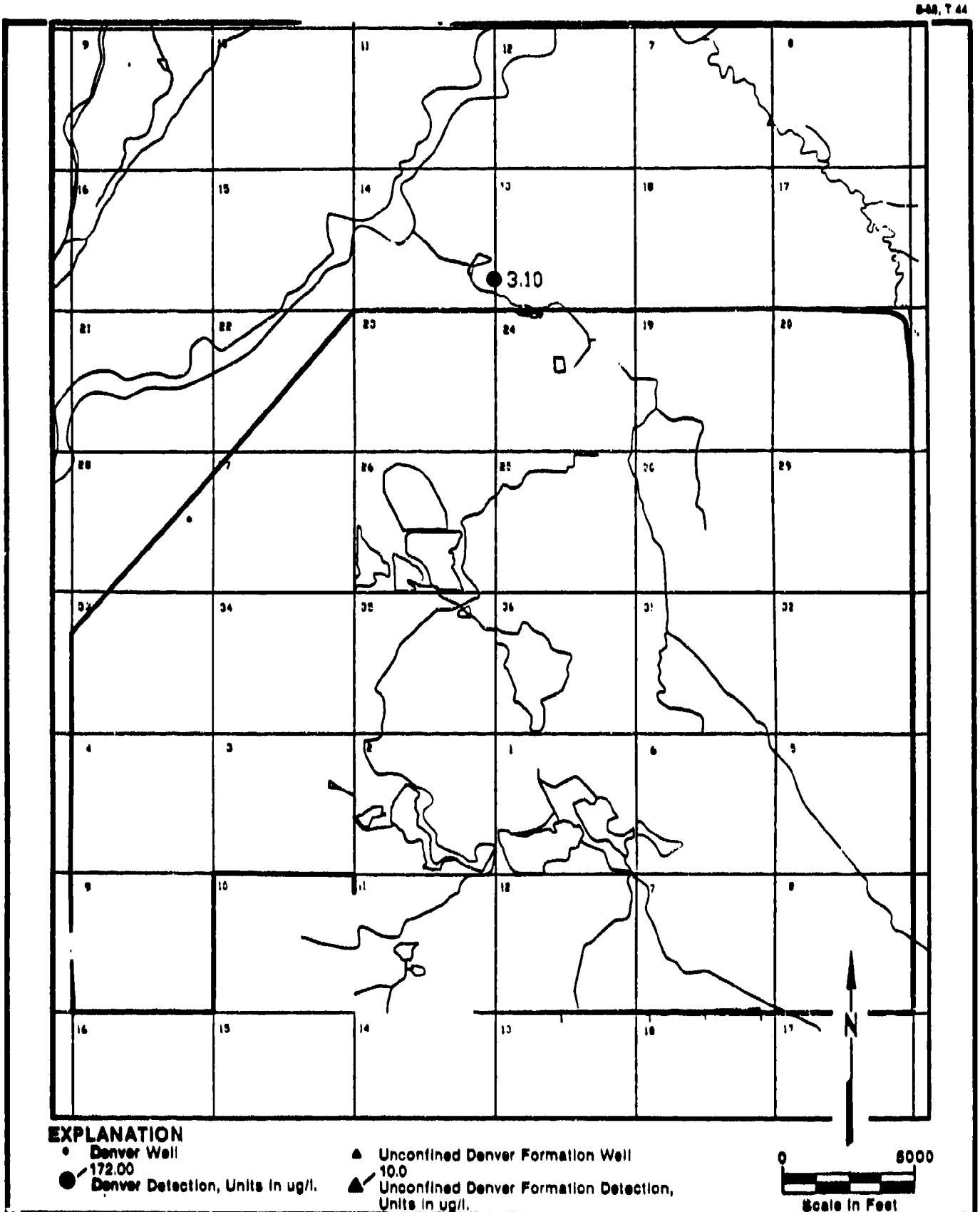


Figure D-104
CHLOROFORM DETECTIONS DENVER ZONE 5 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-105
CHLOROFORM DETECTIONS DENVER ZONE 6 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

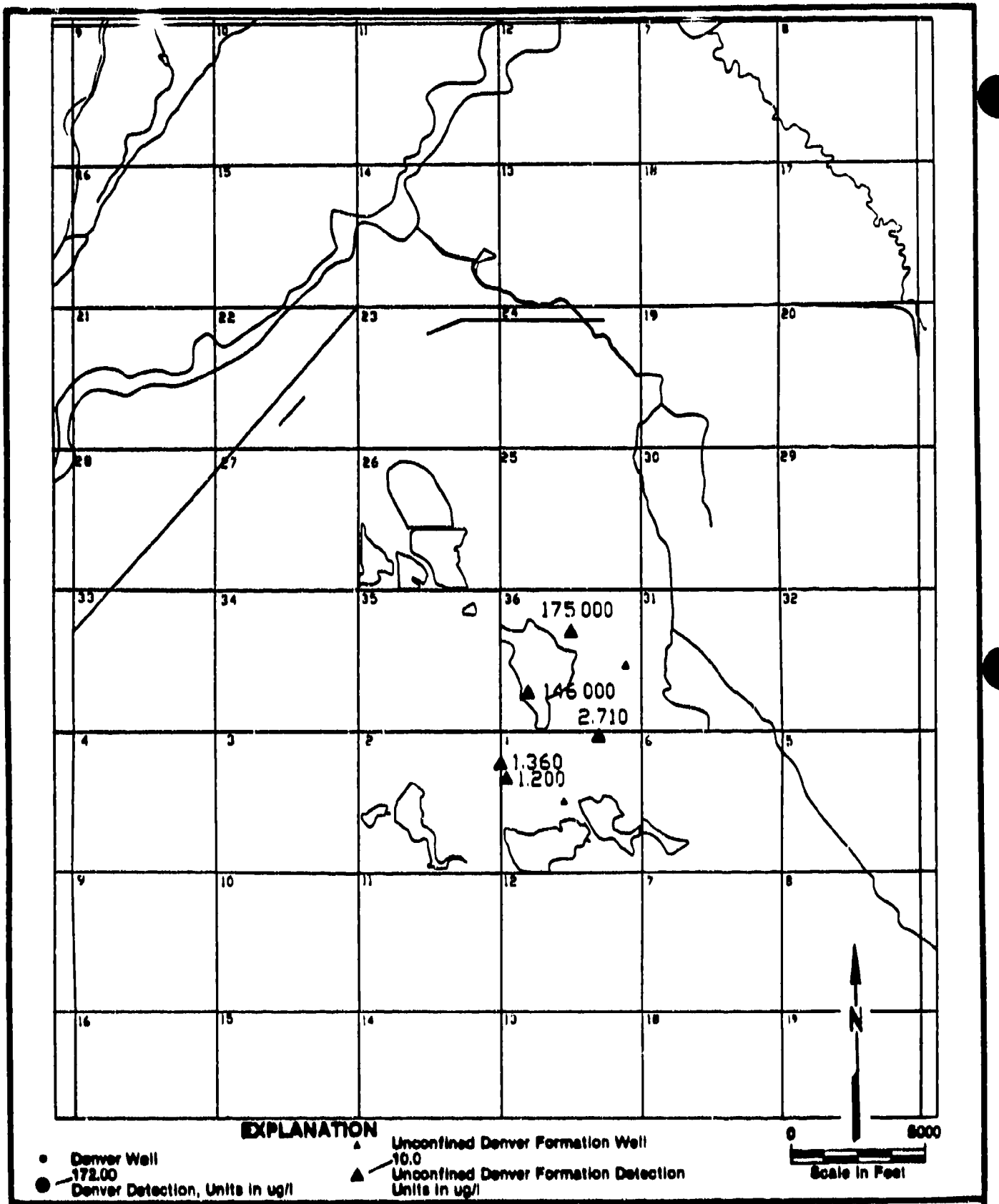


Figure D-106

TRICHLOROETHENE DETECTIONS DENVER ZONE VC/VCE,3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

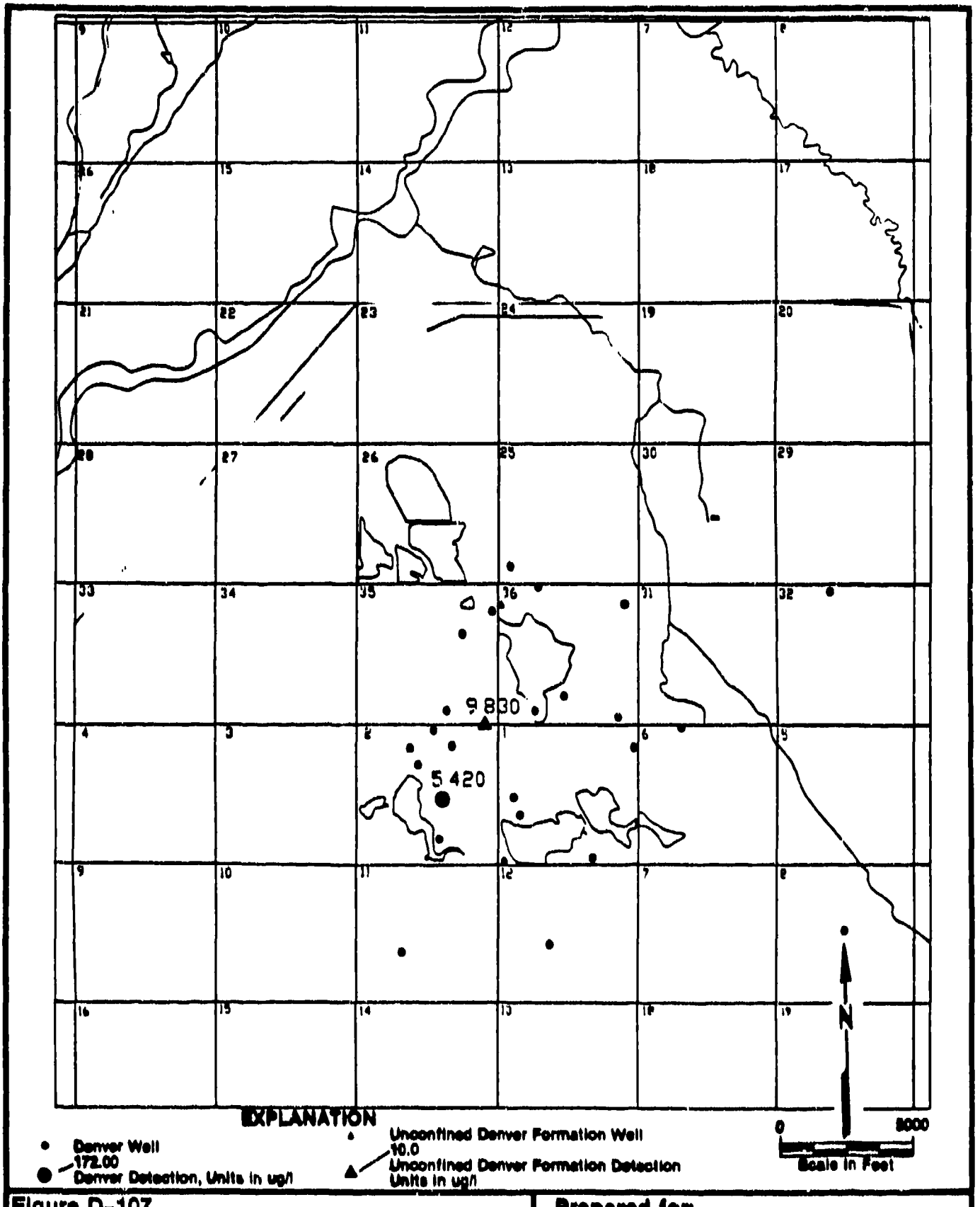


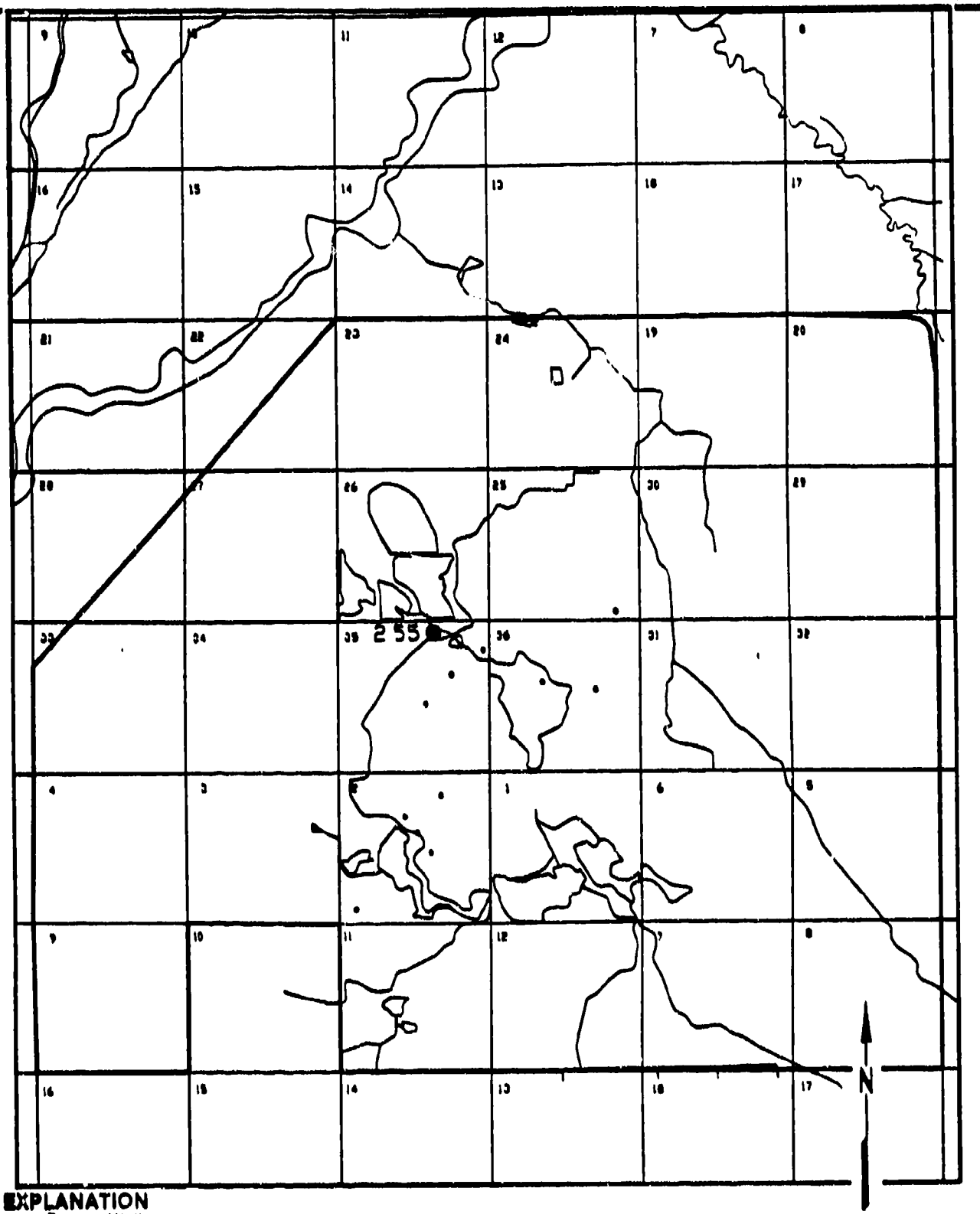
Figure D-107

TRICHLOROETHENE DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-108
TRICHLOROETHENE DETECTIONS
DENVER ZONE 1U 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

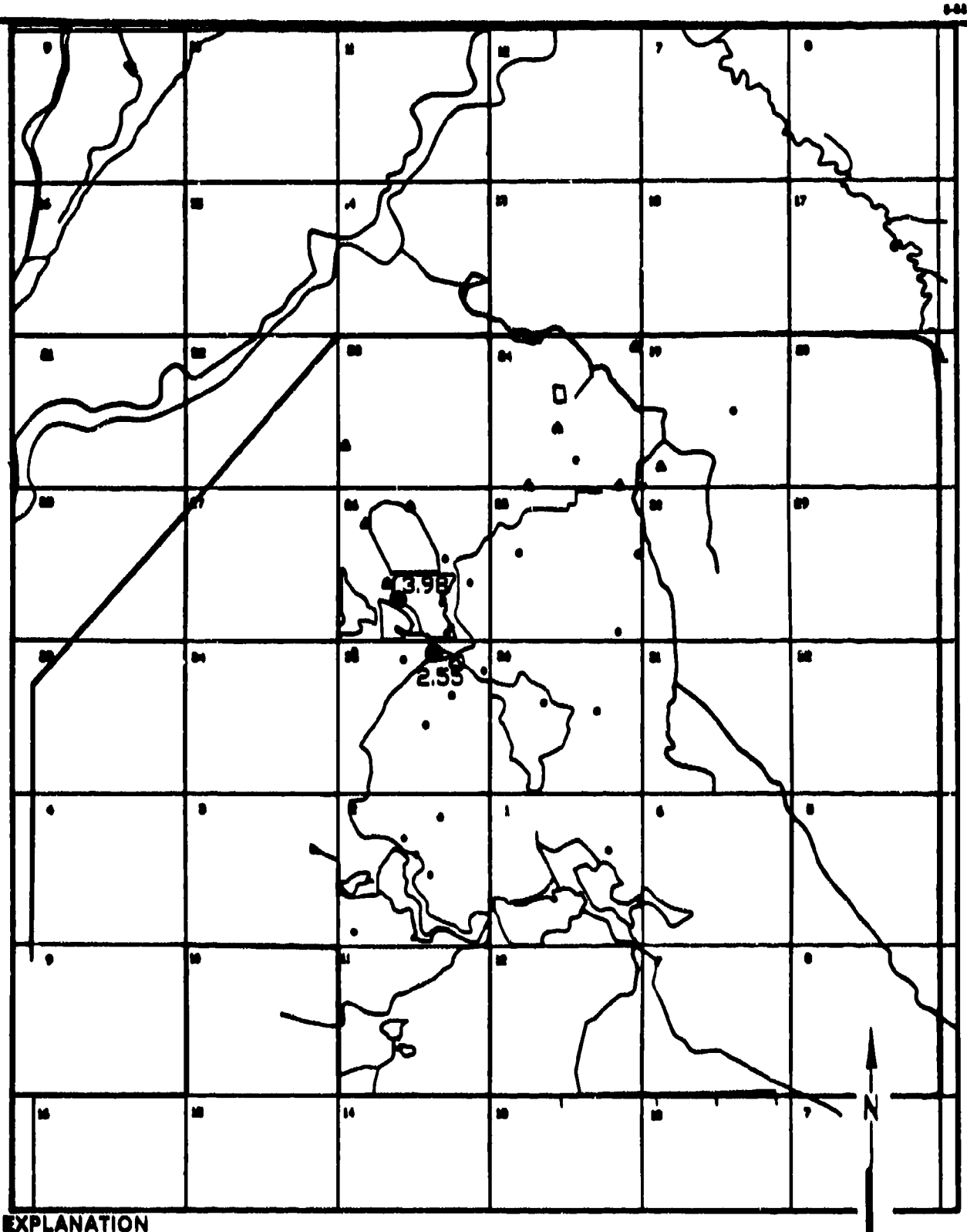


Figure D-109
TRICHLOROETHENE DETECTIONS DENVER ZONE 1 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

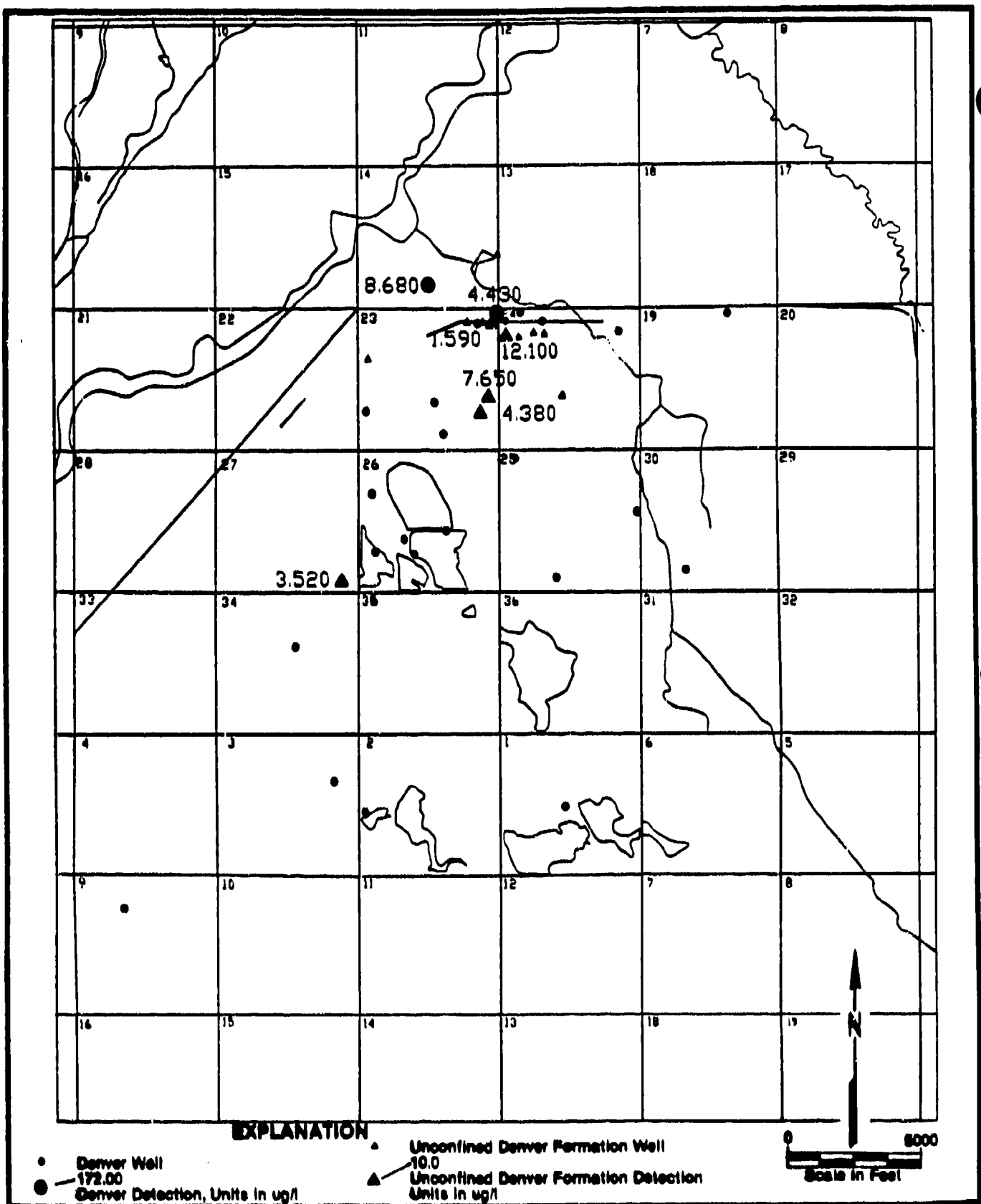
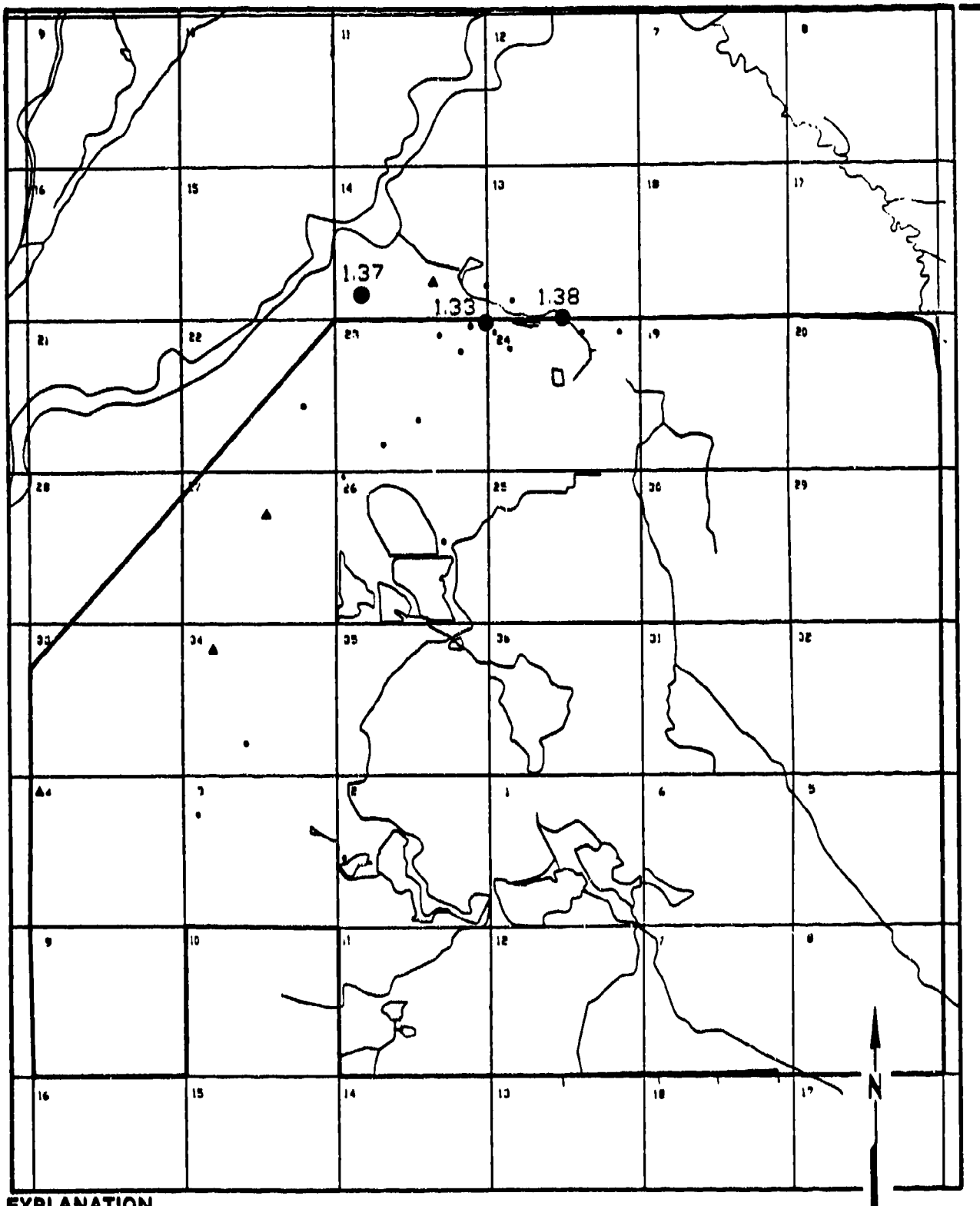


Figure D-110

TRICHLOROETHENE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

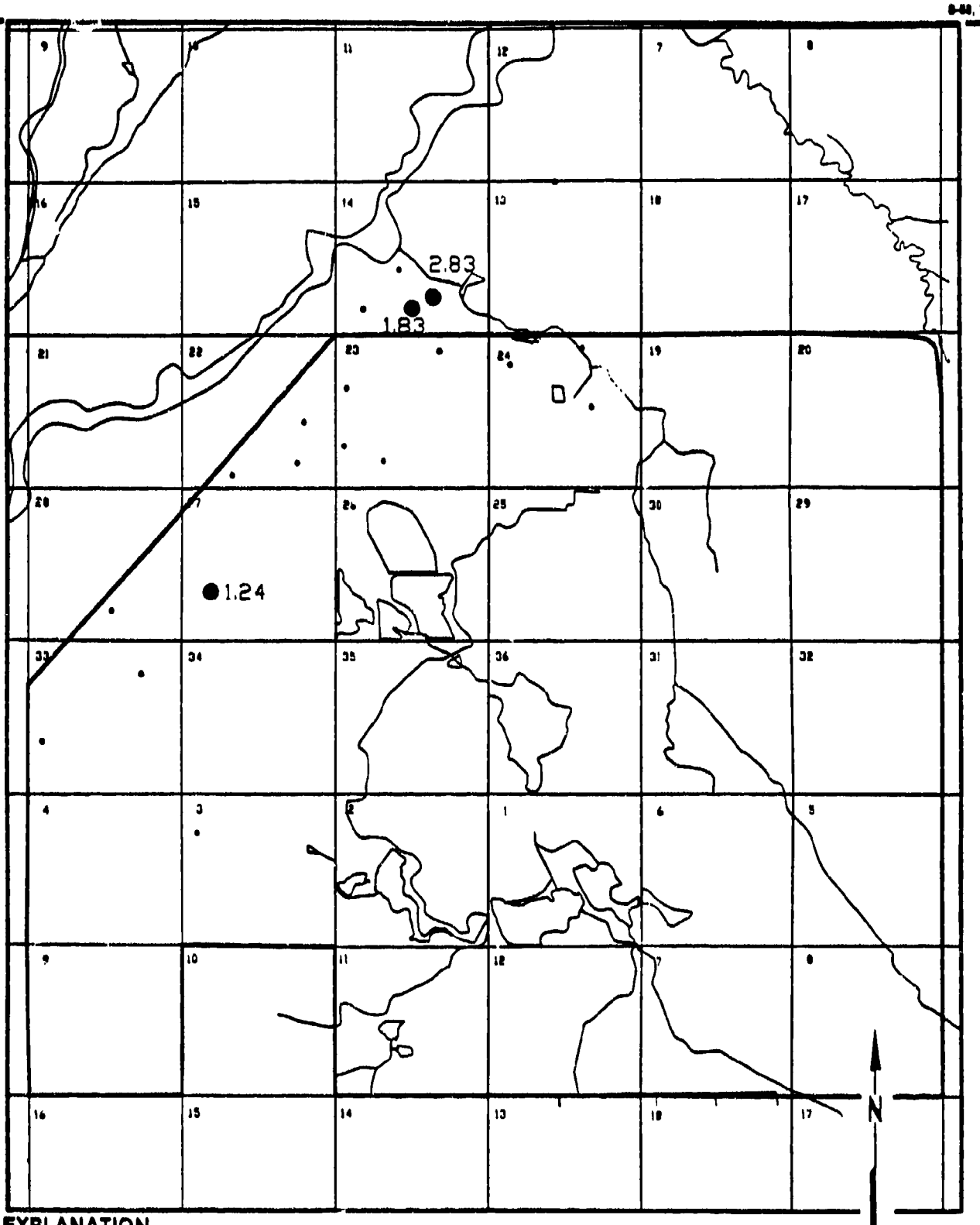
Figure D-111

TRICHLOROETHENE DETECTIONS DENVER ZONE 3 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-112

TRICHLOROETHENE DETECTIONS DENVER ZONE 4 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:

U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

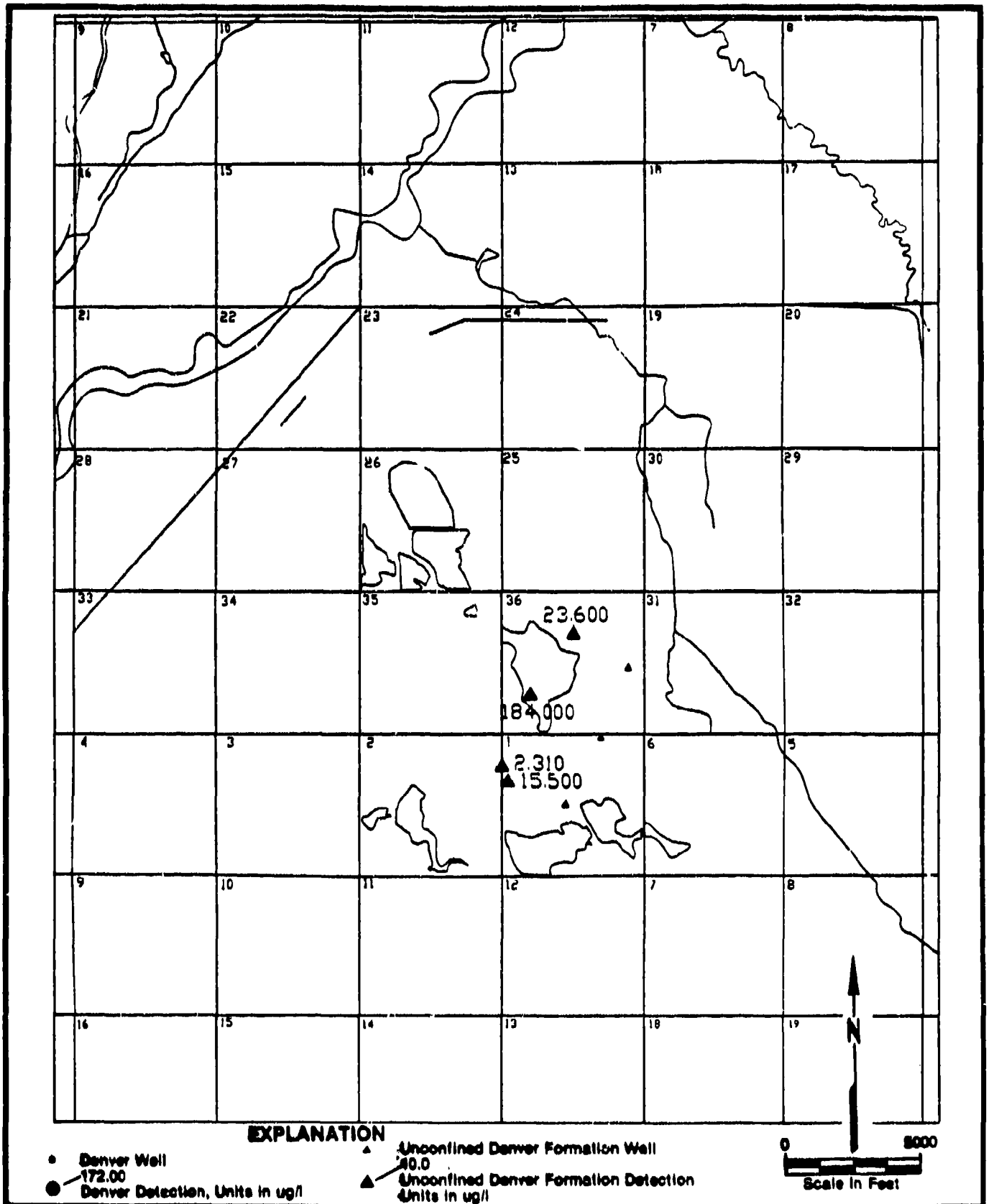


Figure D-113

TETRACHLOROETHENE DETECTIONS DENVER ZONE VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

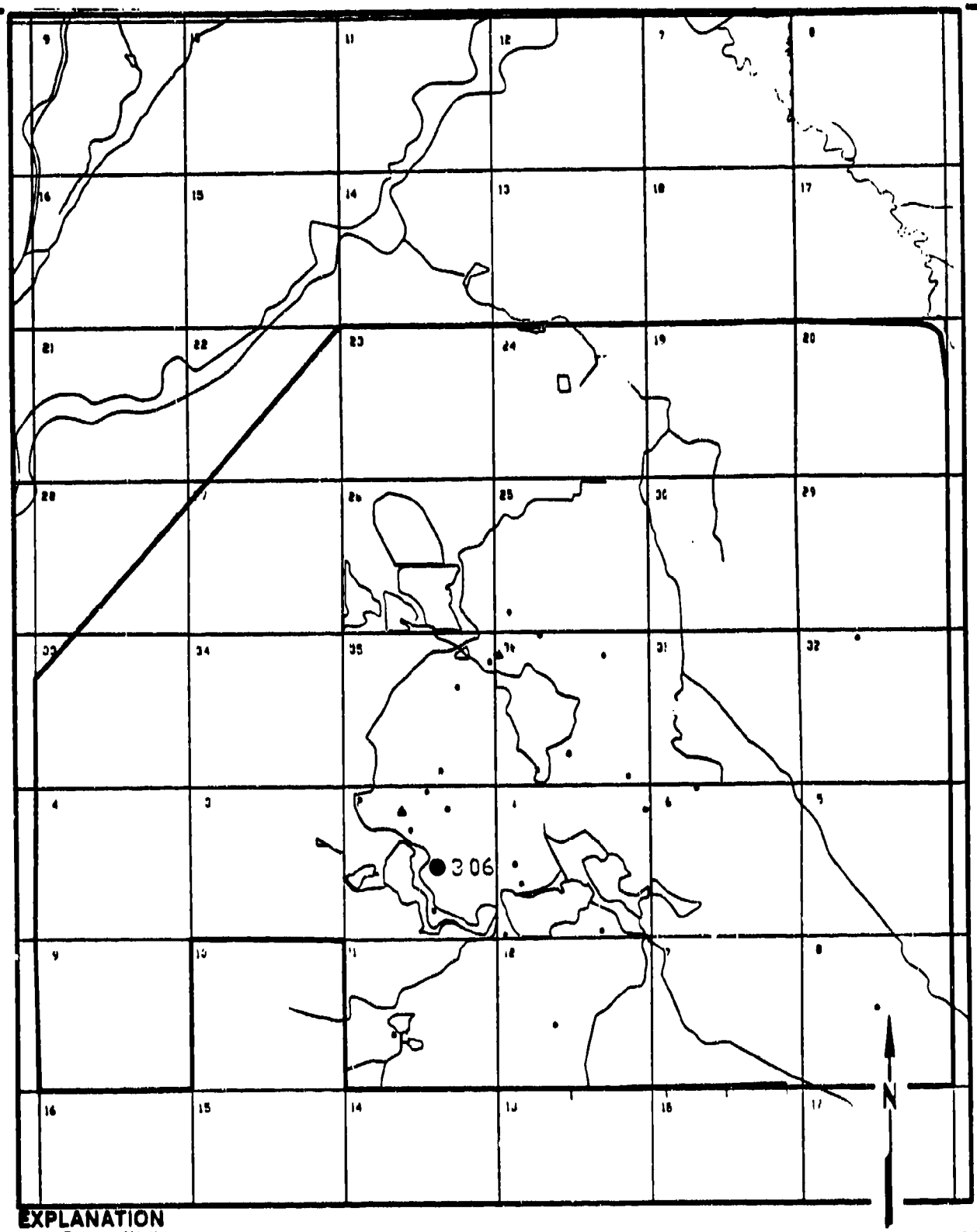


Figure D-114
TETRACHLOROETHENE DETECTIONS
DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

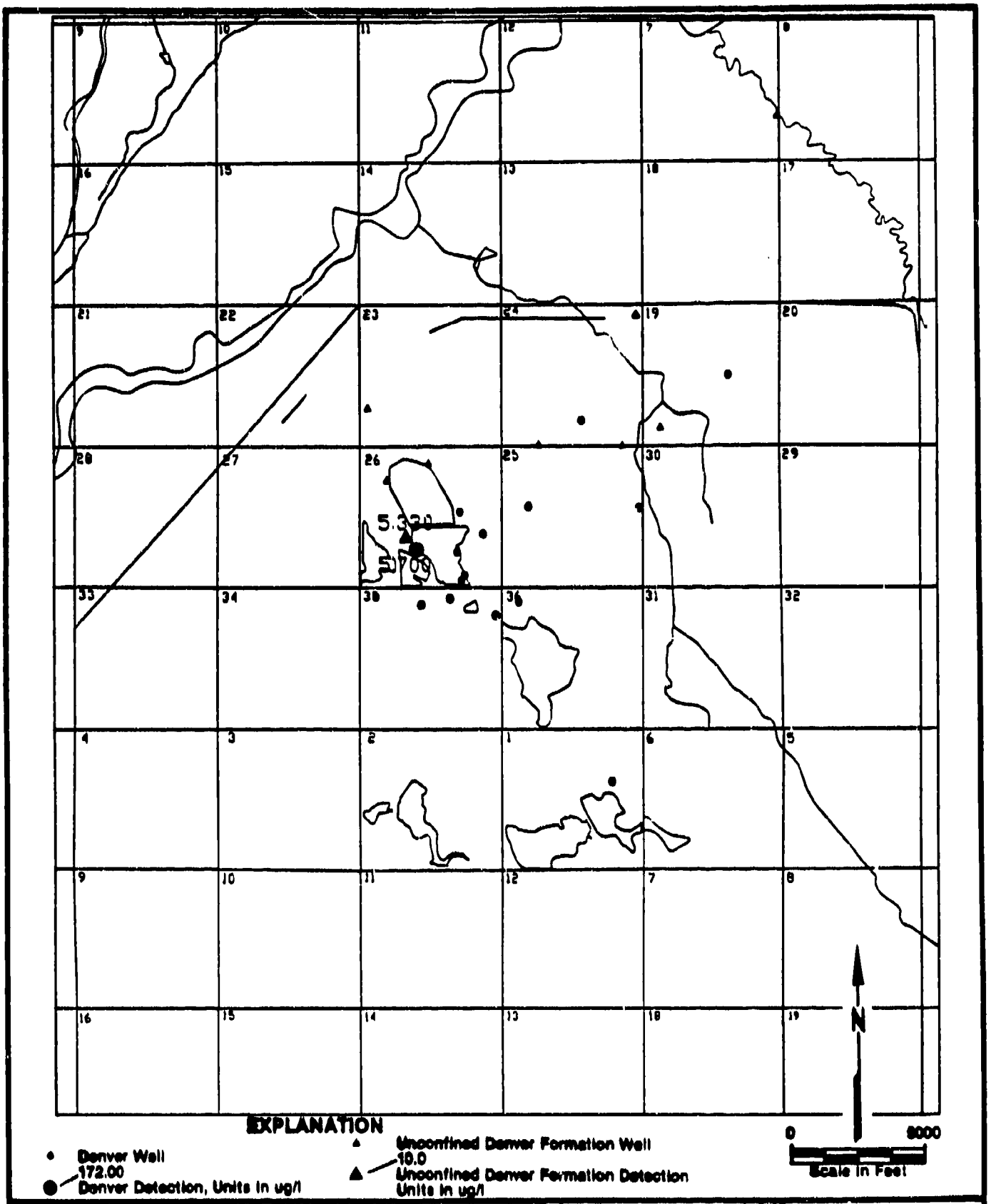


Figure D-115

TETRACHLOROETHENE DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

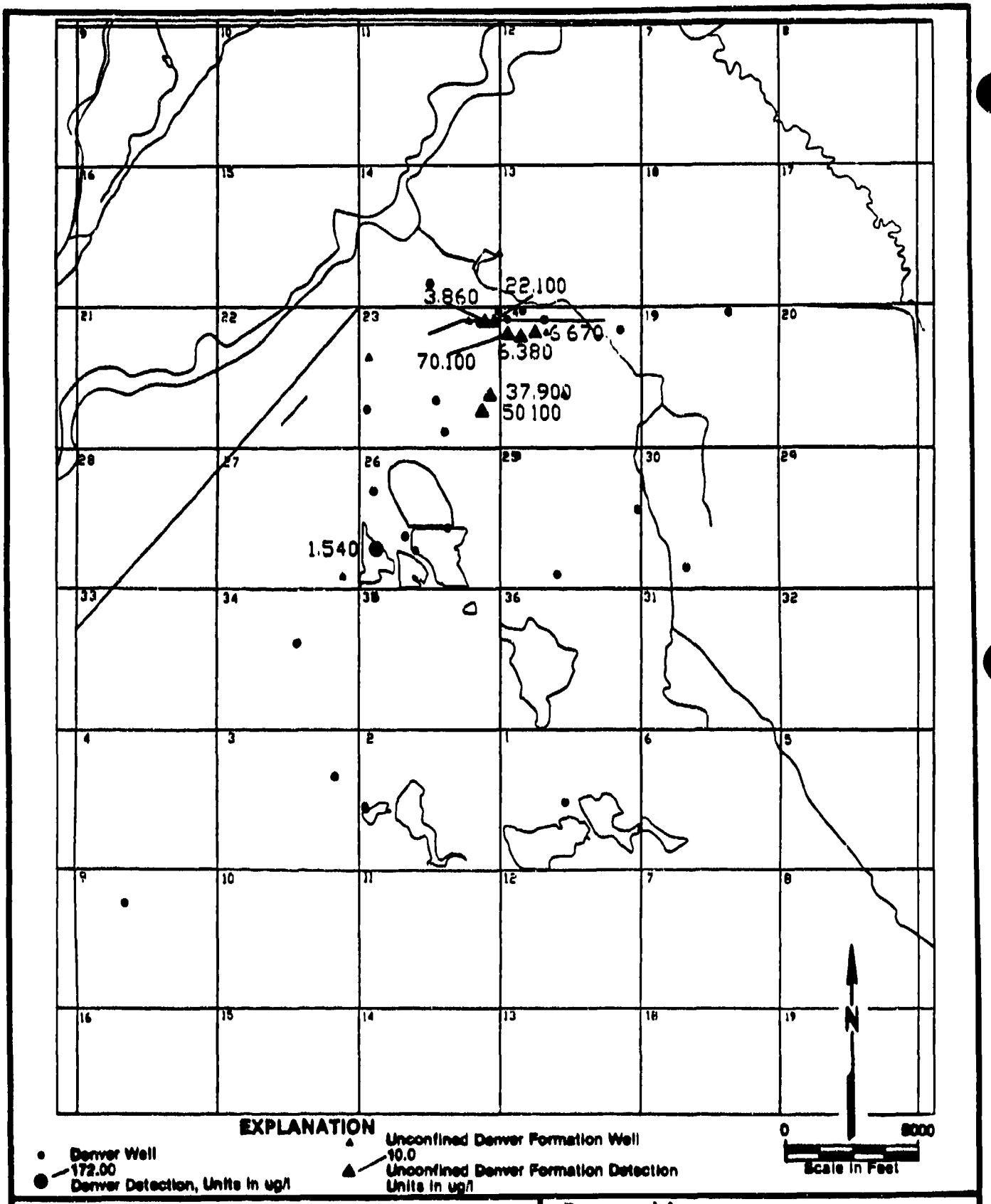
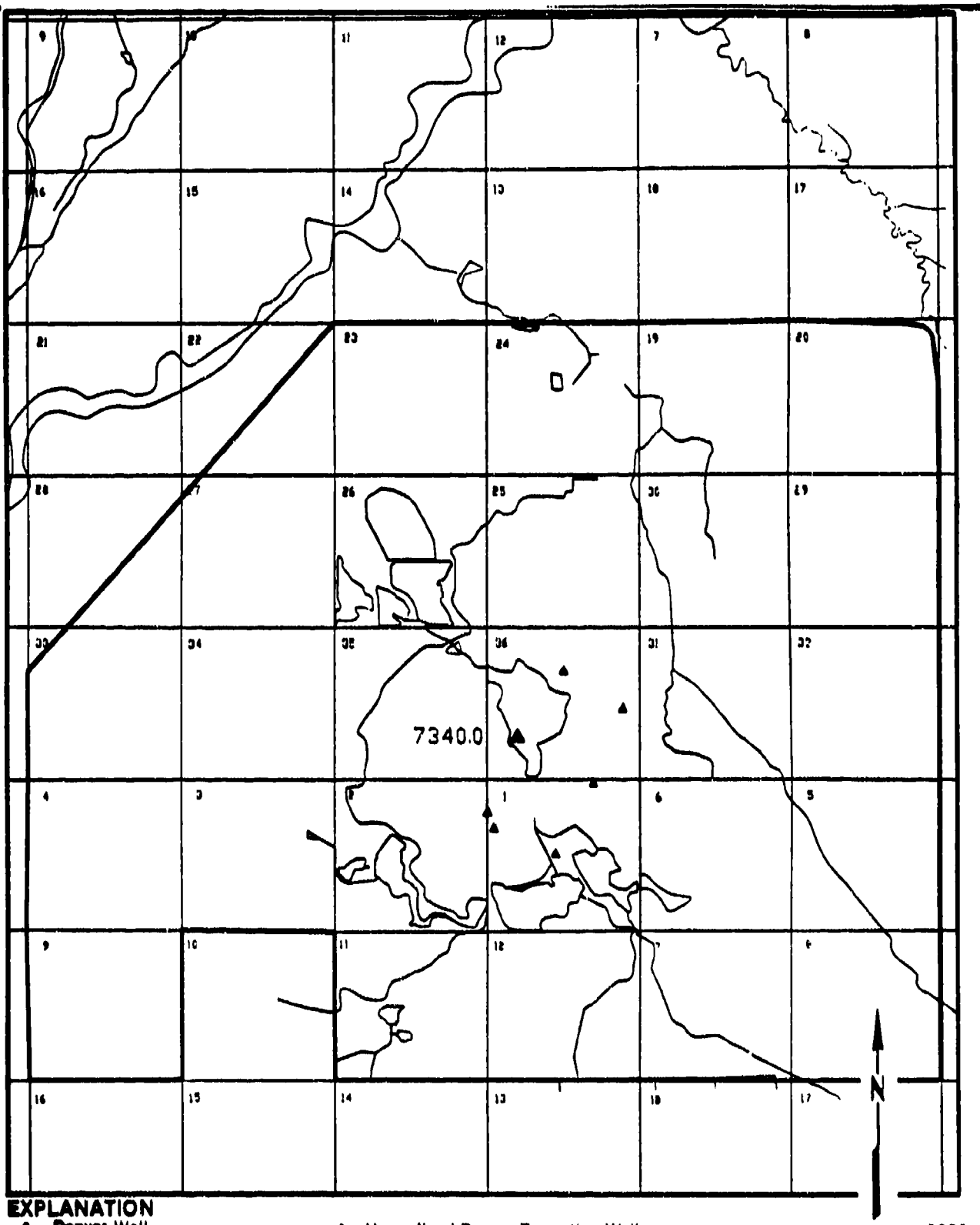


Figure D-116

TETRACHLOROETHENE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-117
METHYLENE CHLORIDE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

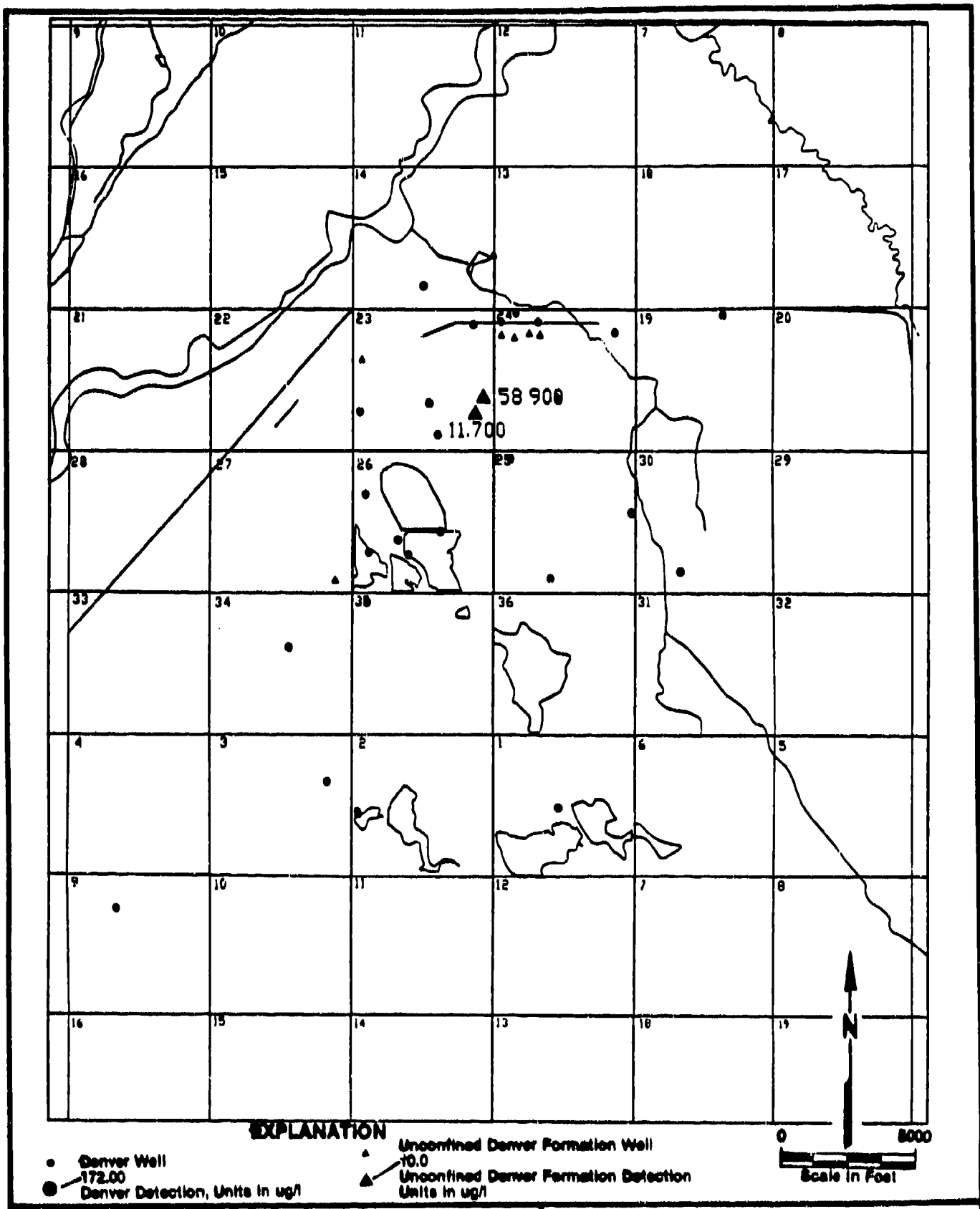


Figure D-118

METHYLENE CHLORIDE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

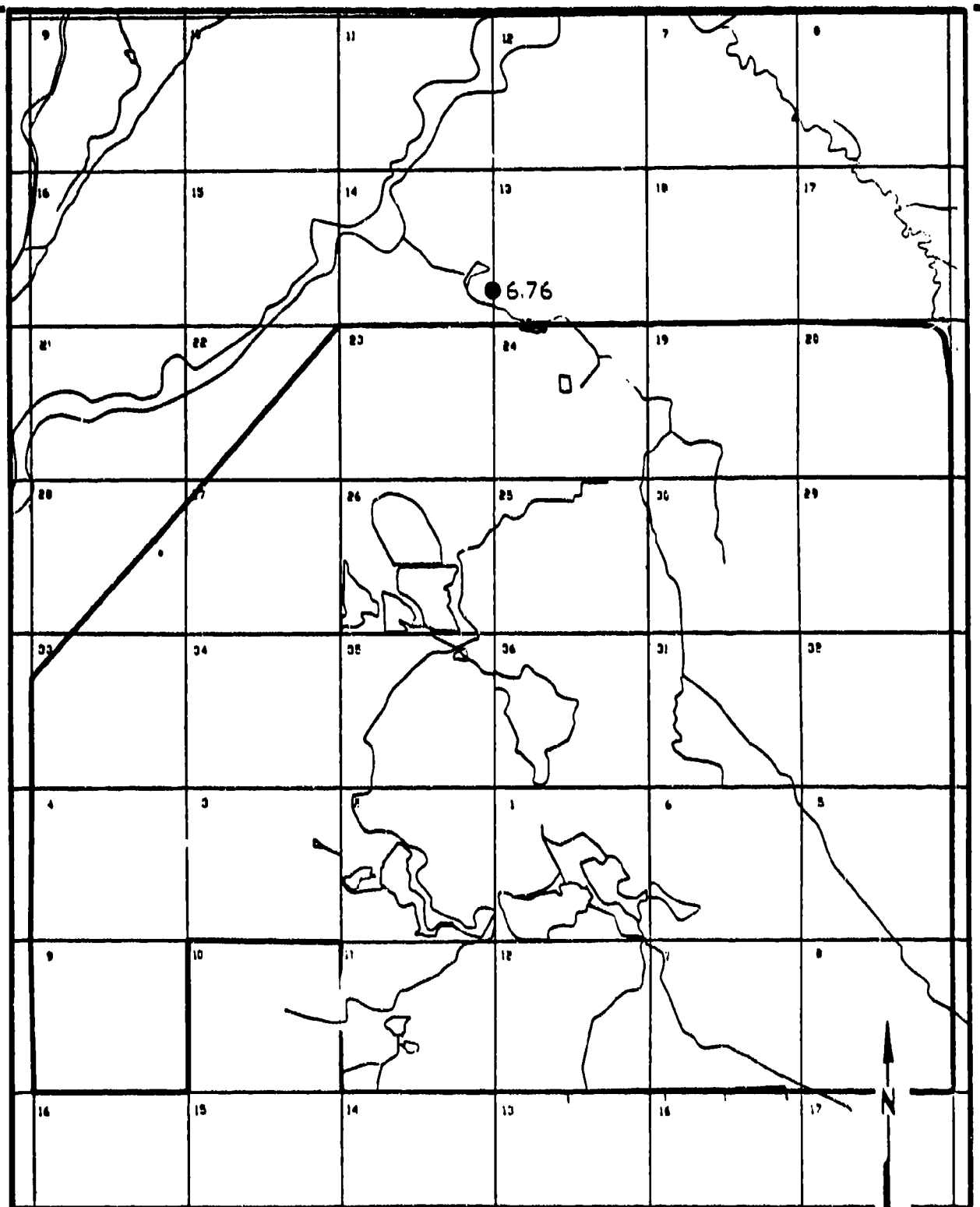


Figure D-119
METHYLENE CHLORIDE DETECTIONS
DENVER ZONE 6 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

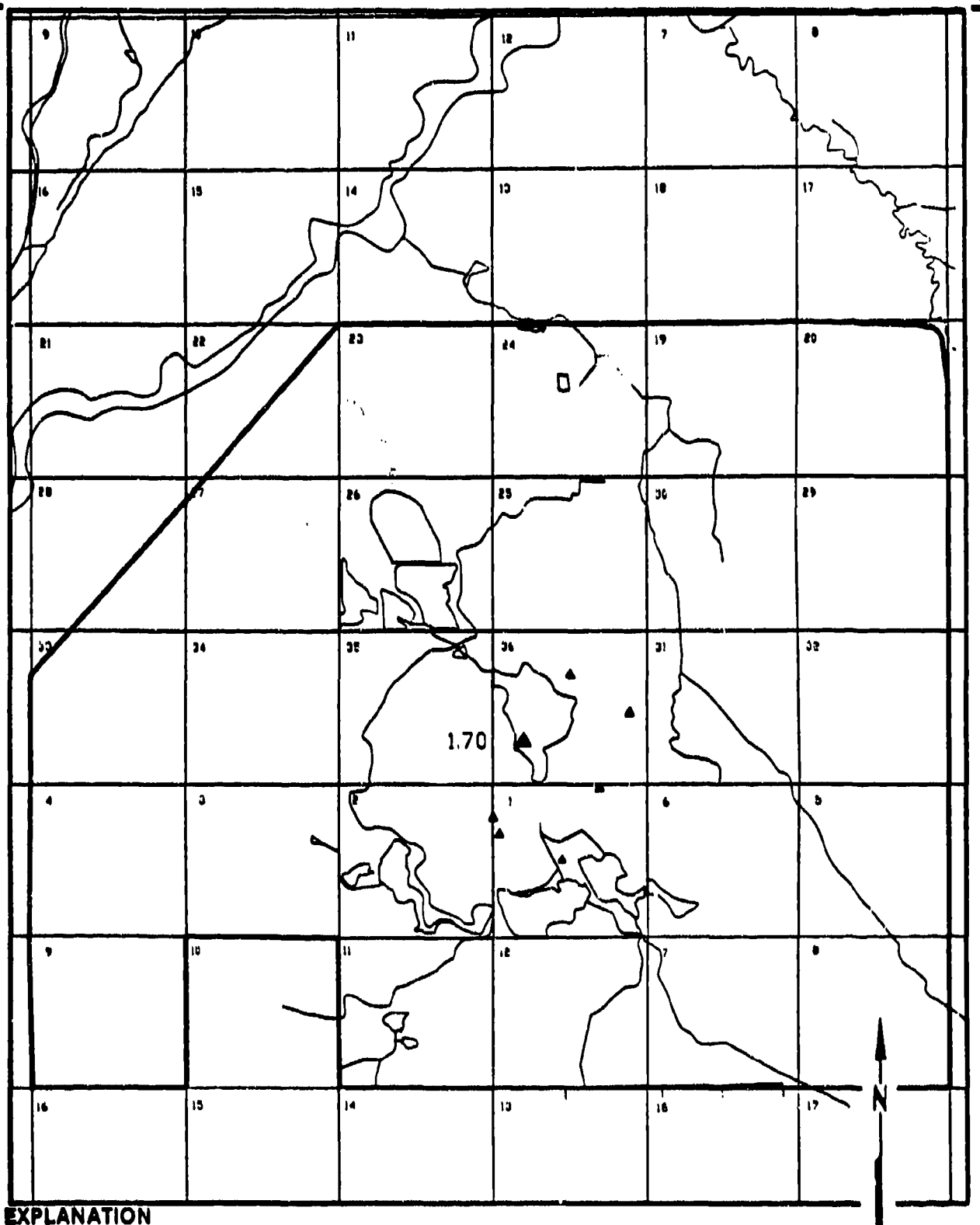


Figure D-120
1,1 DICHLOROETHENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

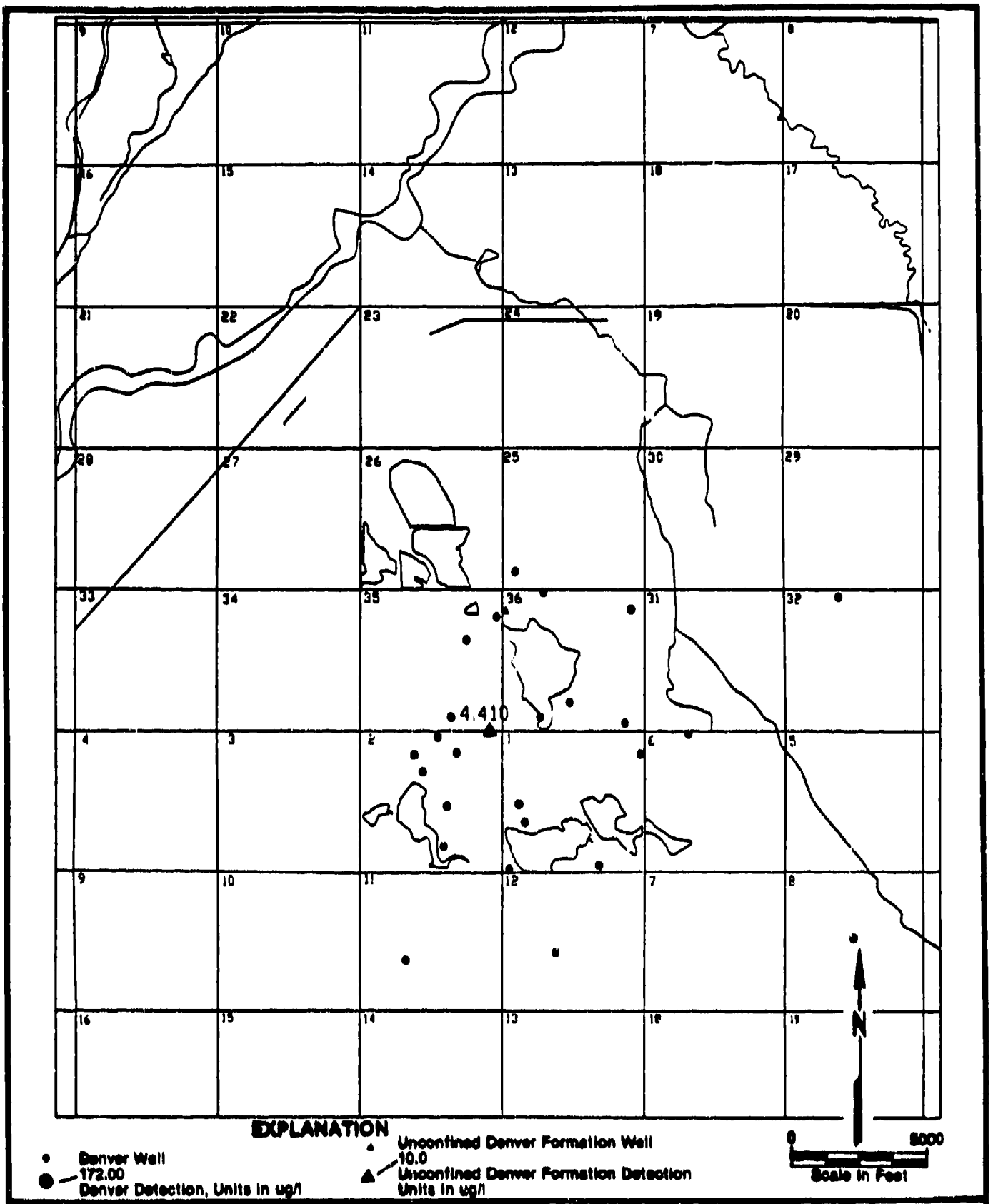
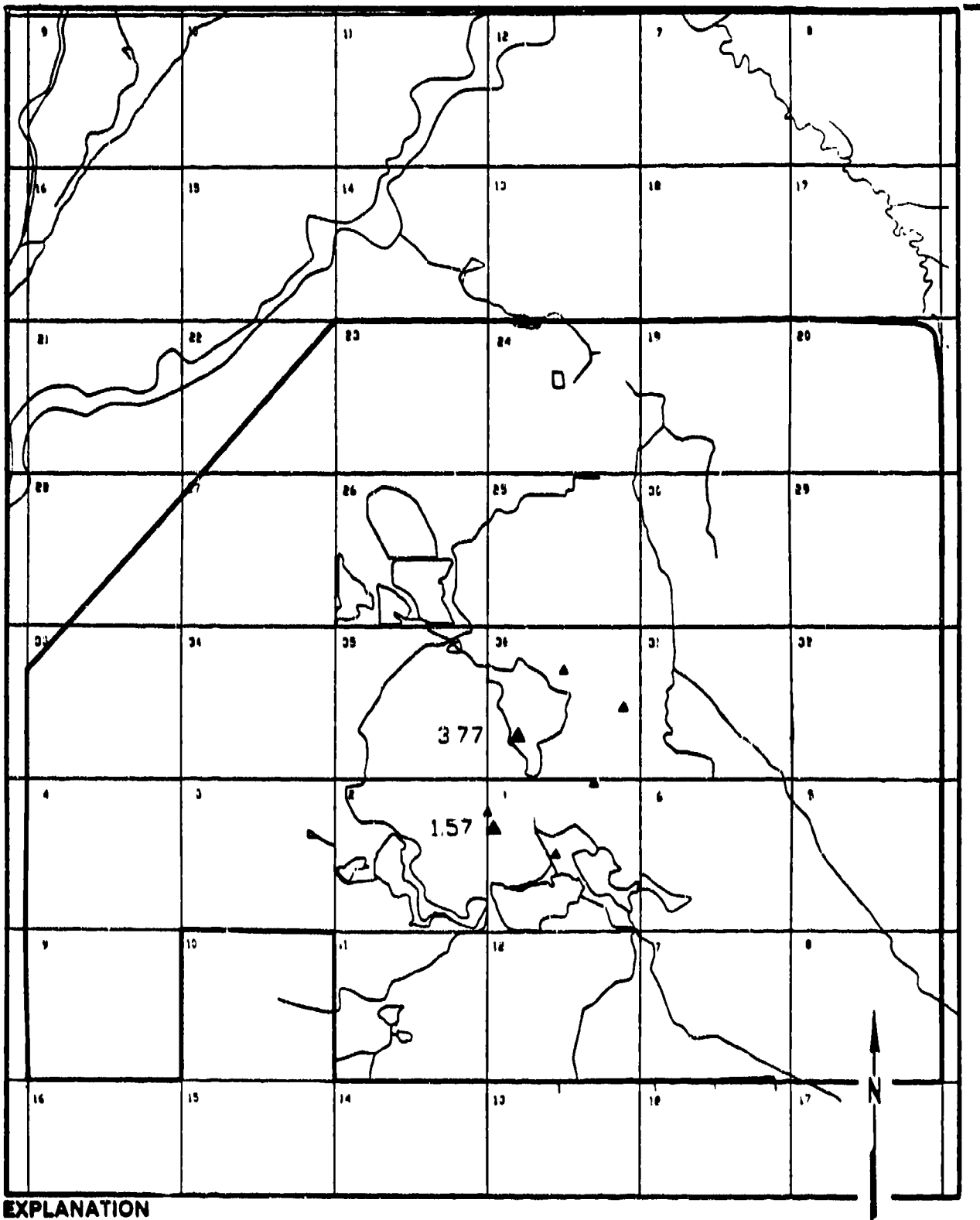


Figure D-121

1,1-DICHLOROETHENE DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-122

1,1 DICHLOROETHANE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

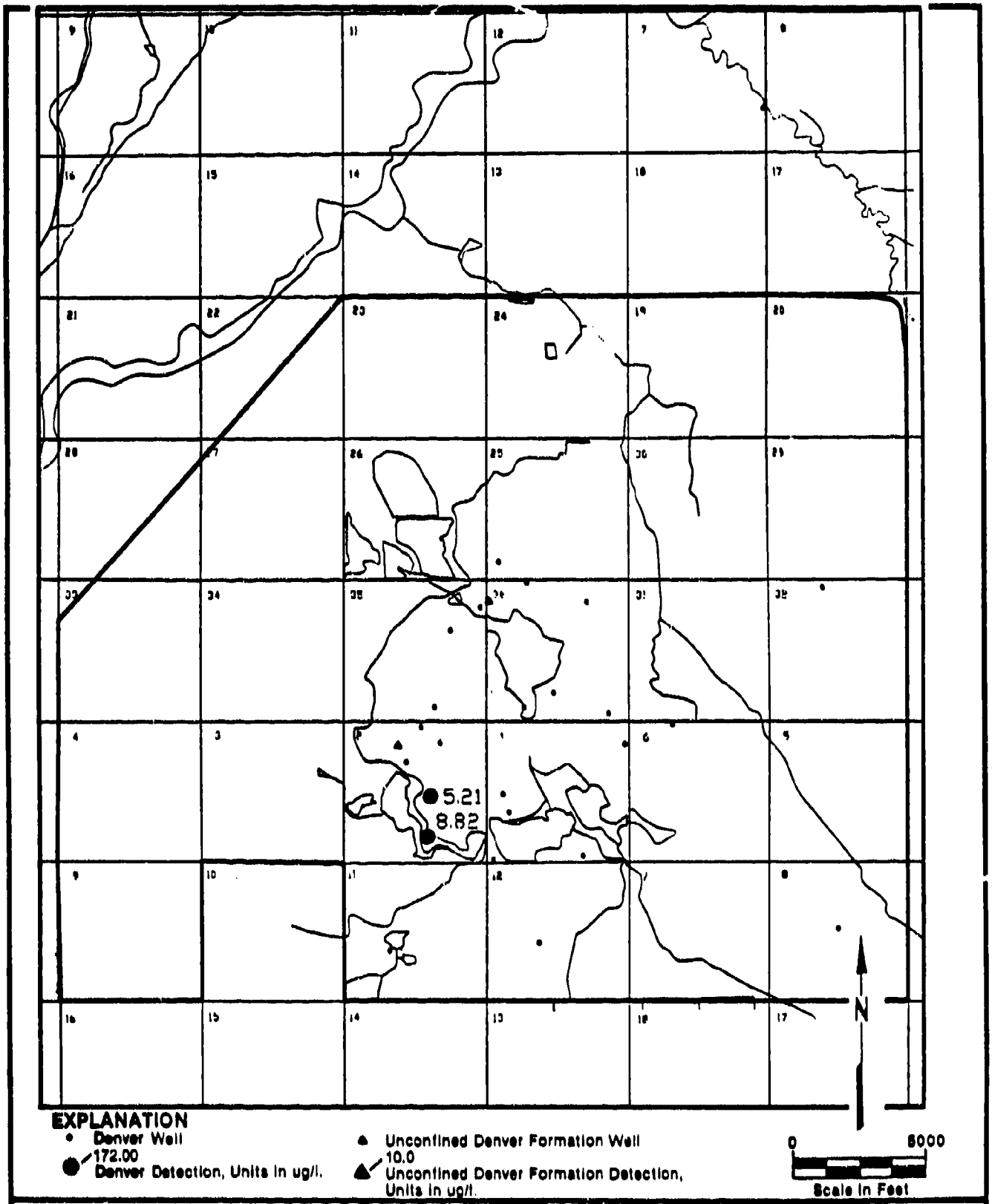


Figure D-123
1,1 DICHLOROETHANE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

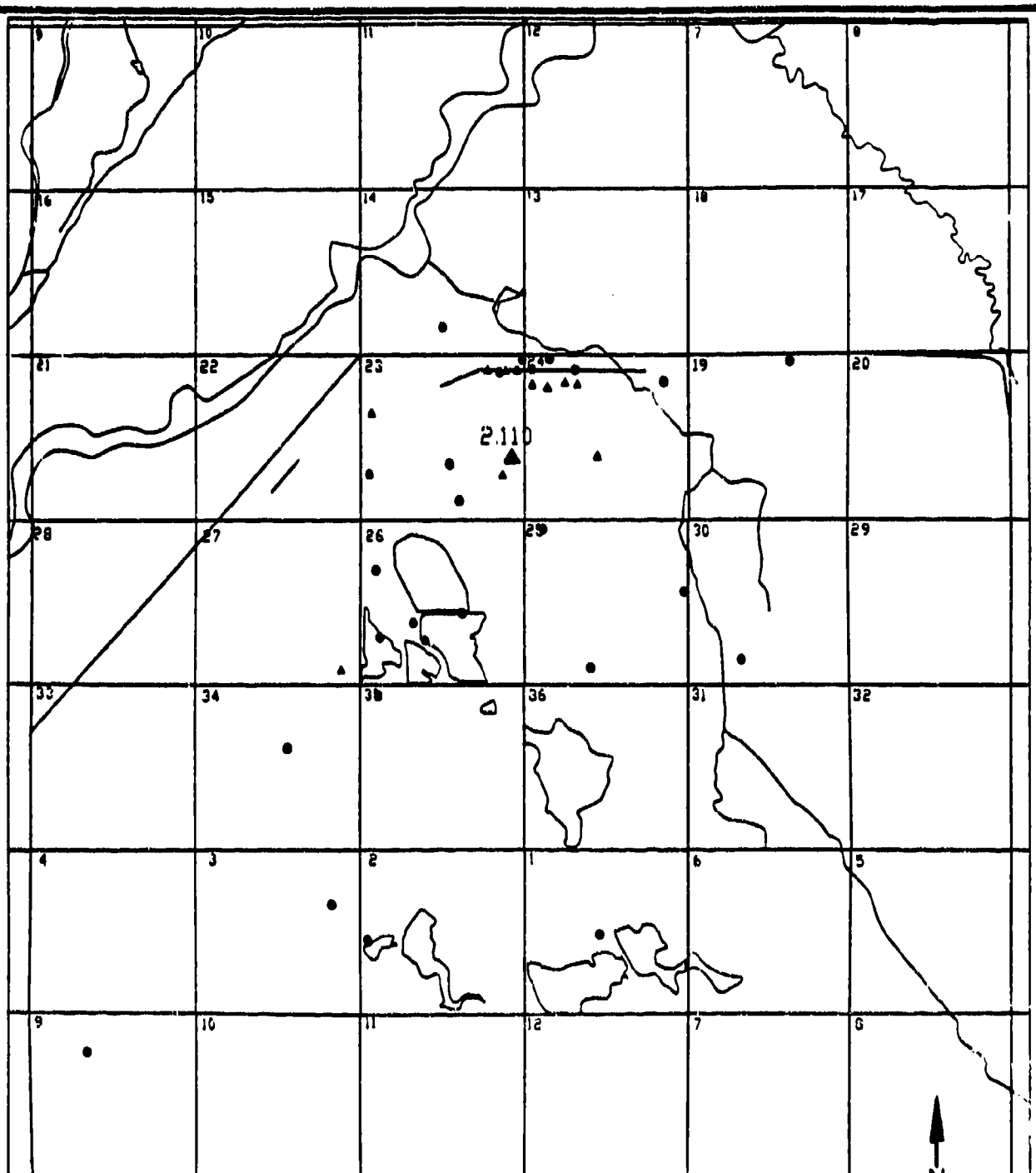


Figure D-124

1,1-DICHLOROETHENE DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

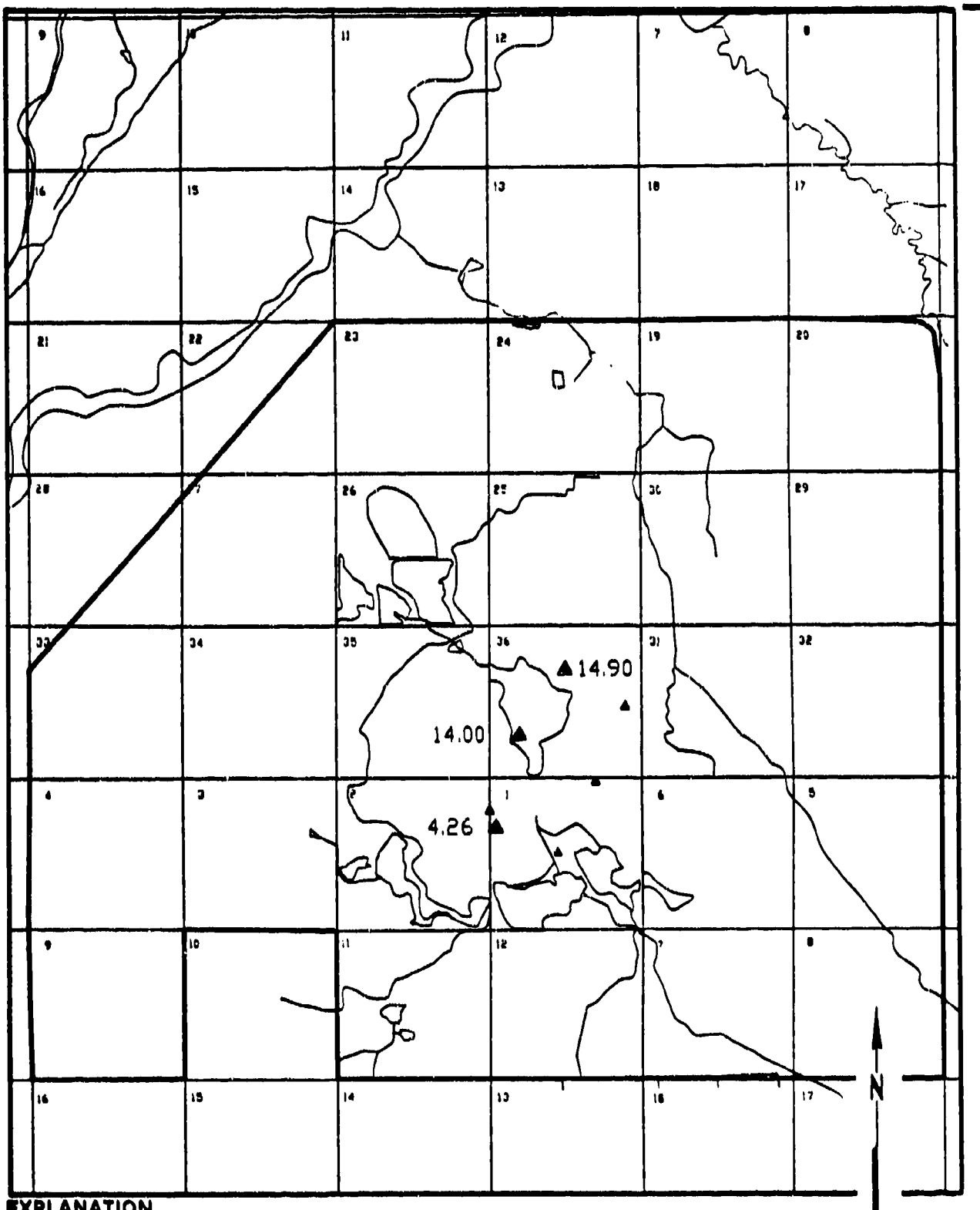
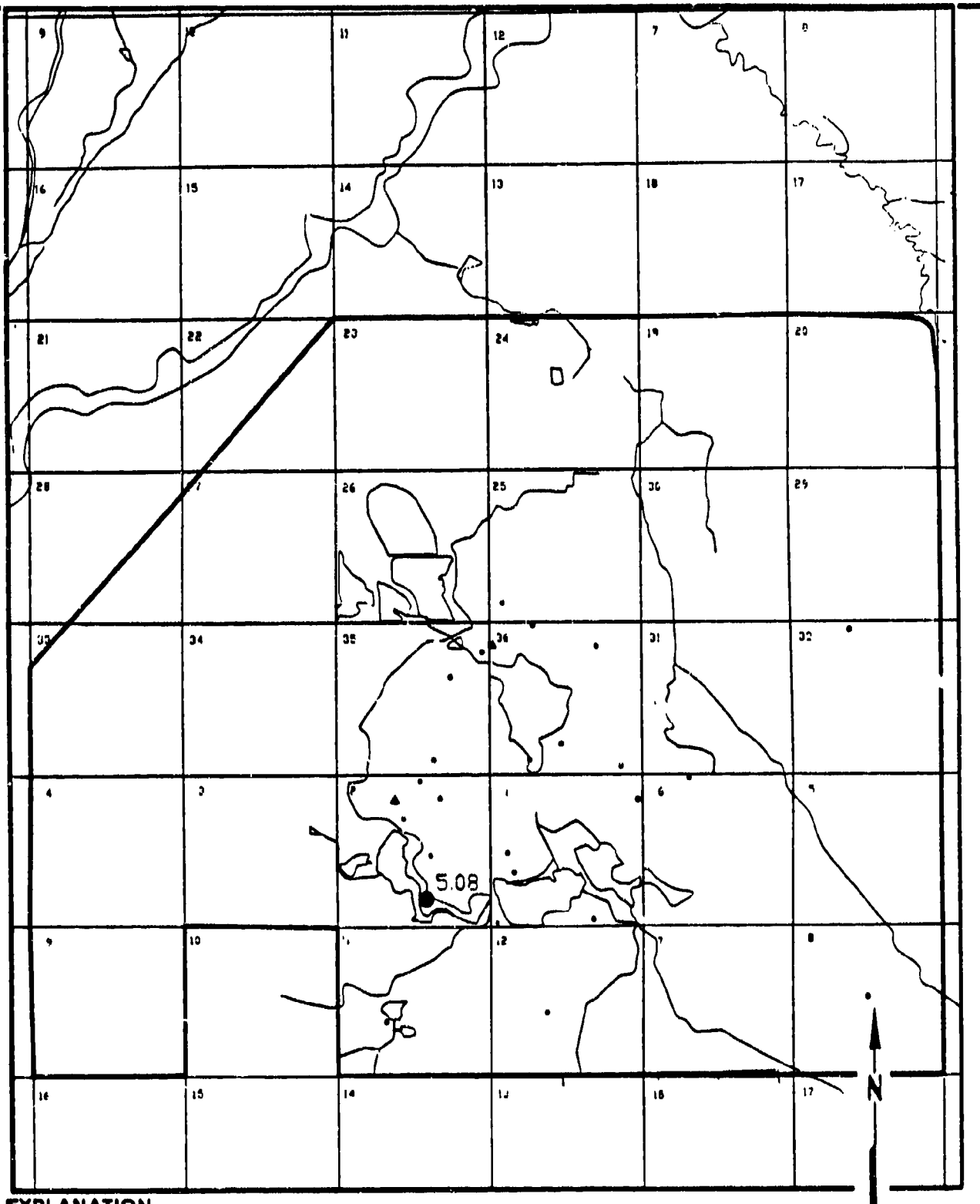


Figure D-125

T.1,2 DICHLOROETHENE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER FY1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



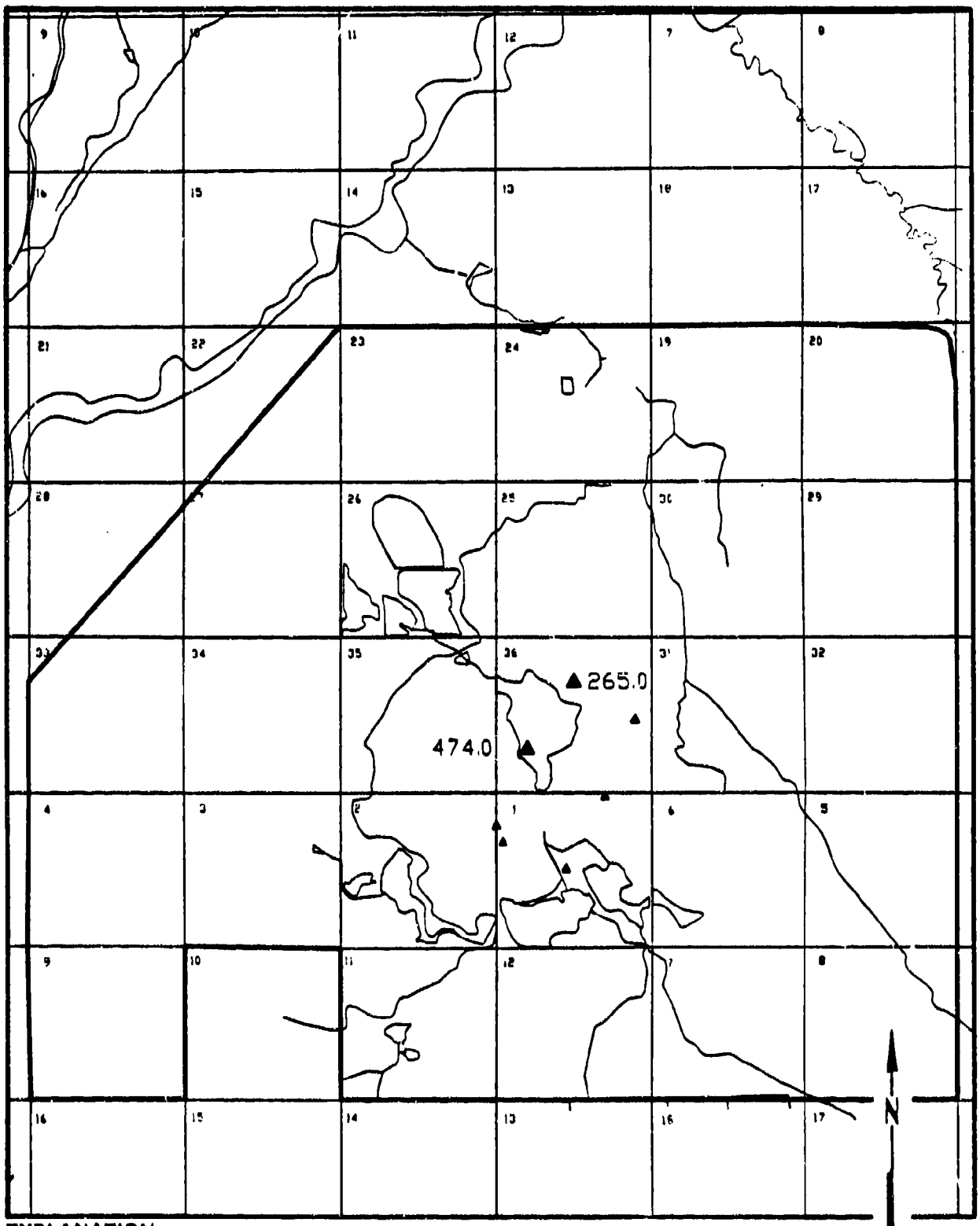
EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-126
T.1,2 DICHLOROETHENE DETECTIONS
DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



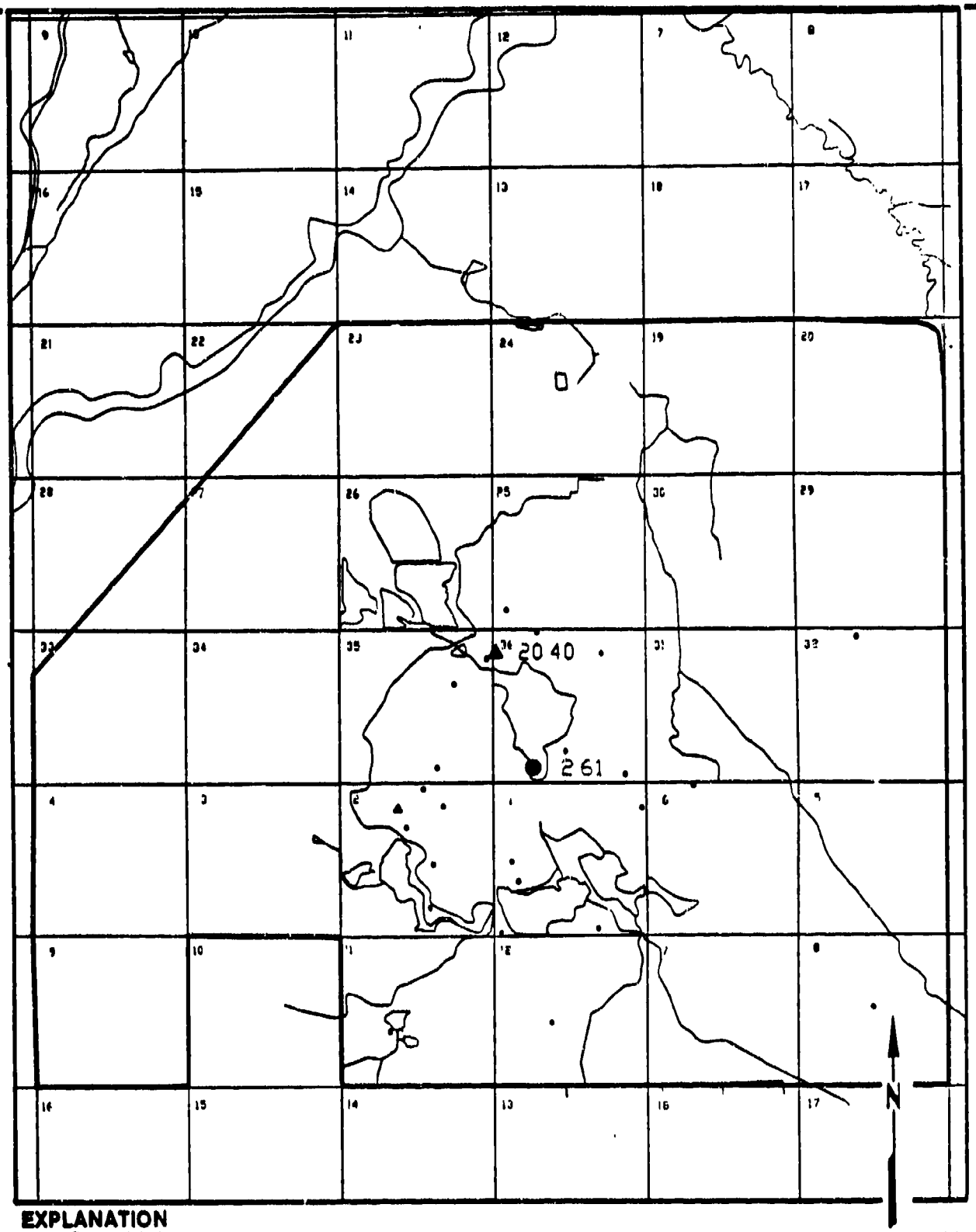
EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-127
1,2 DICHLOROETHANE DETECTIONS
DENVER ZONE VC/VCE 3RD QUARTER FY1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-128
1,2 DICHLOROETHANE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

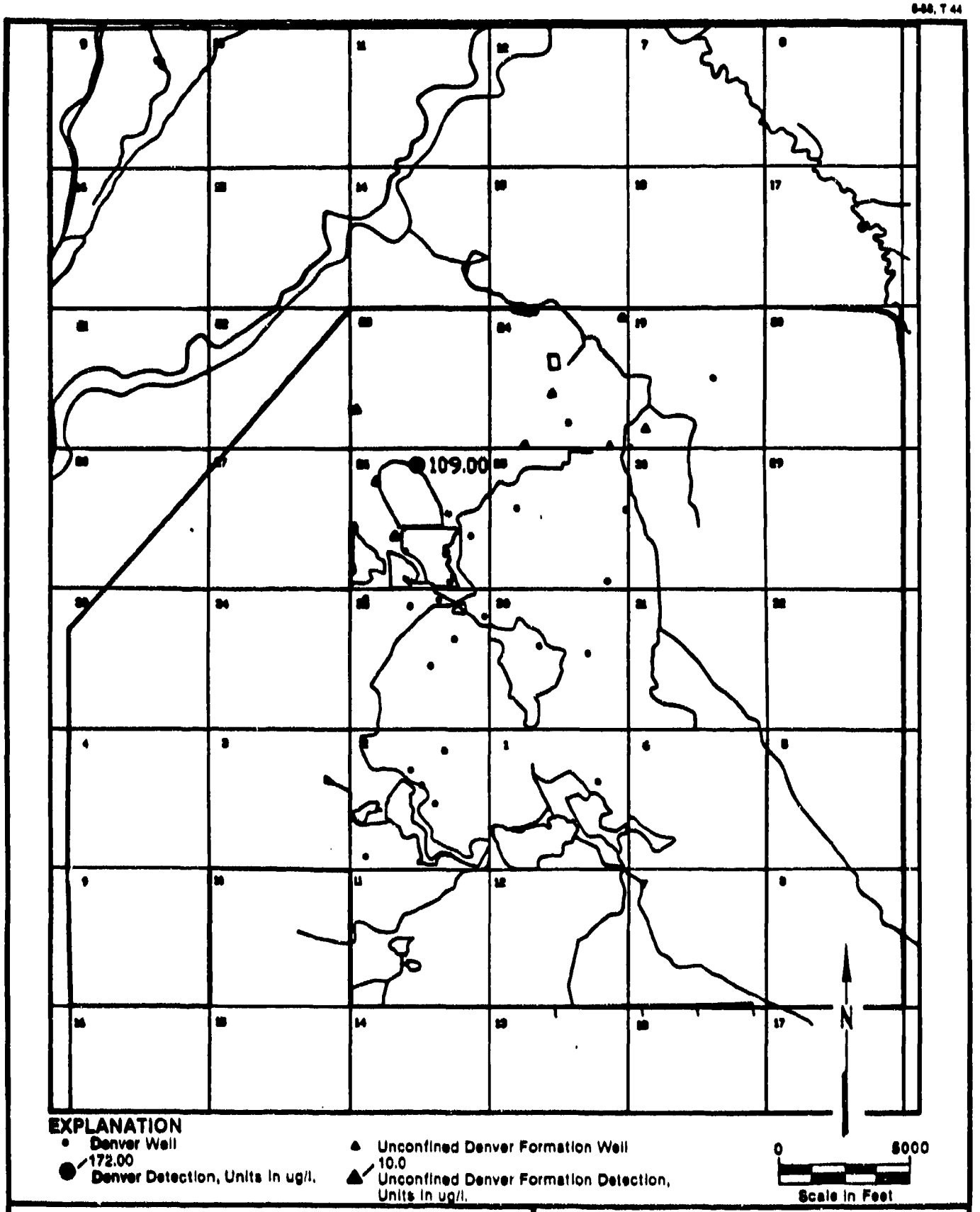


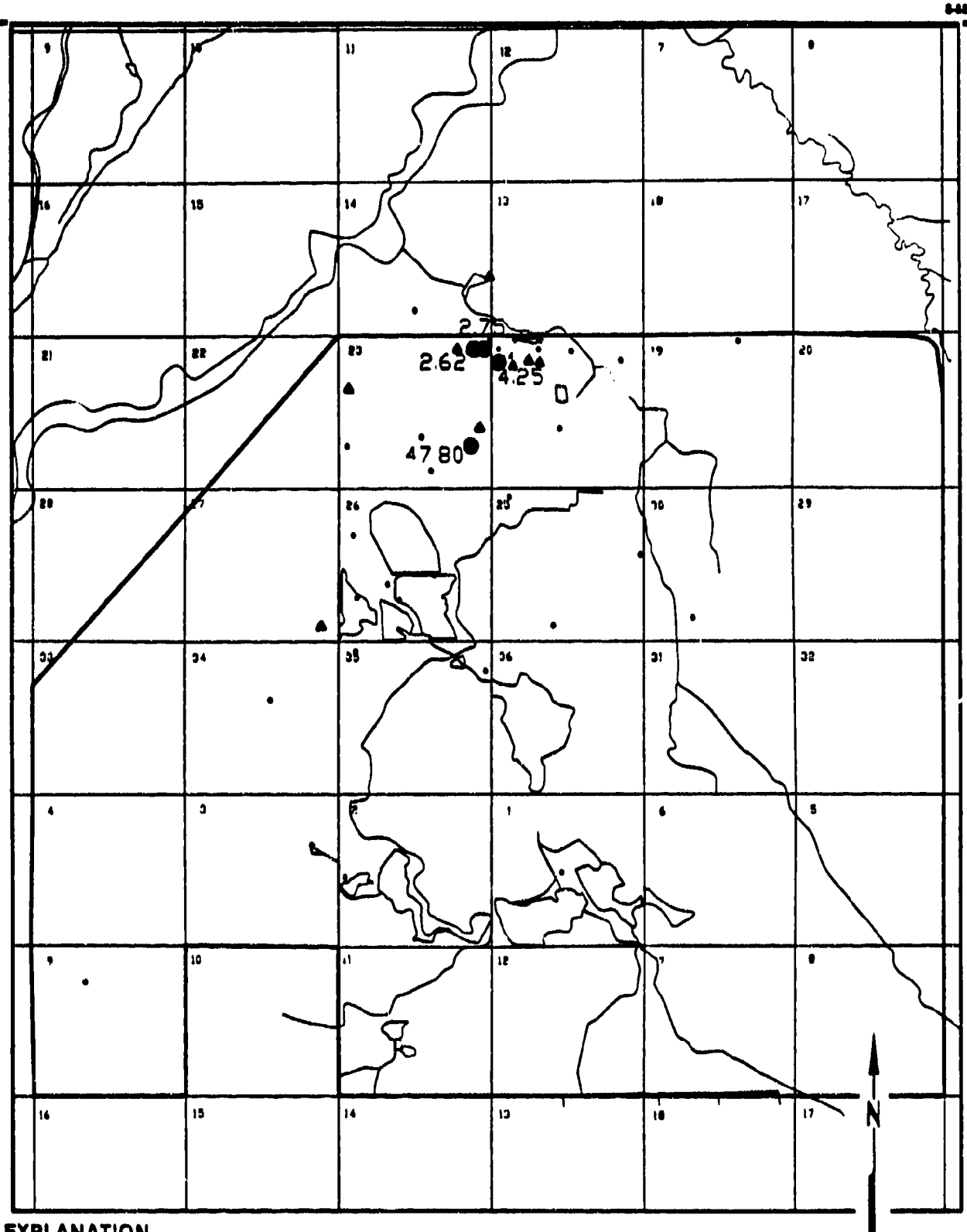
Figure D-129

1,2 DICHLOROETHANE DETECTIONS DENVER ZONE 1 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland



EXPLANATION

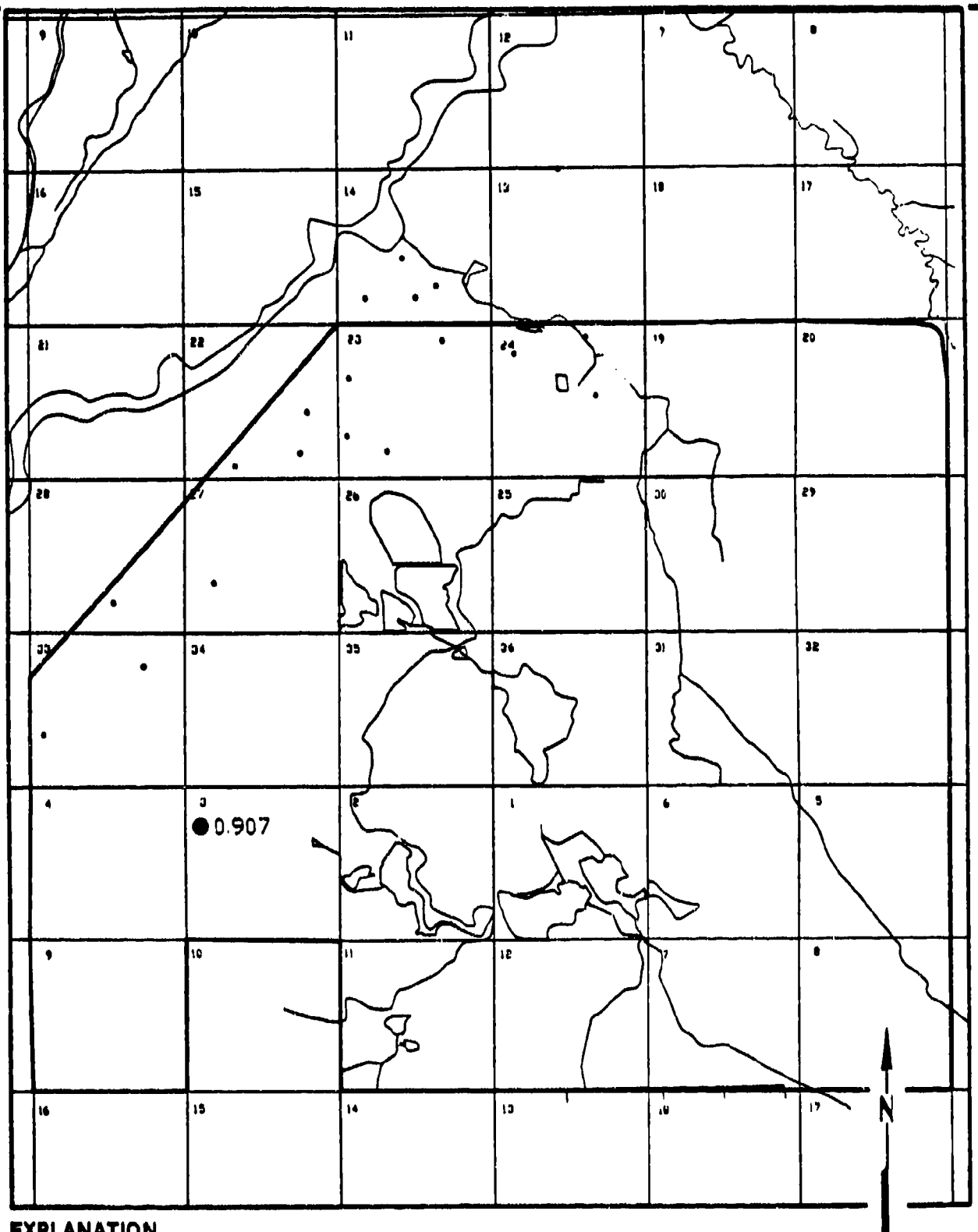
- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-130

1,2 DICHLOROETHANE DETECTIONS DENVER ZONE 2 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-131
1,2 DICHLOROETHANE DETECTIONS
DENVER ZONE 4 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

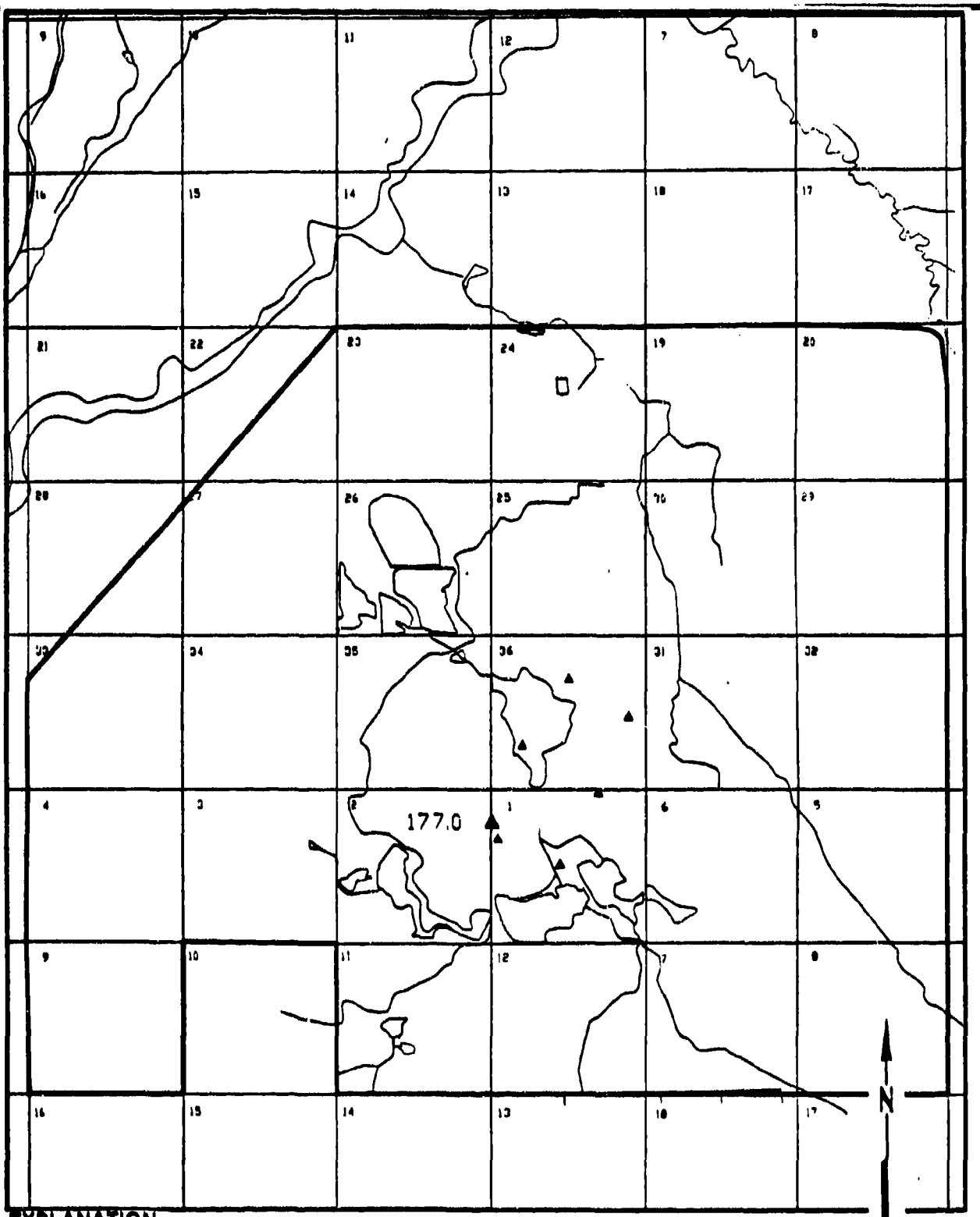
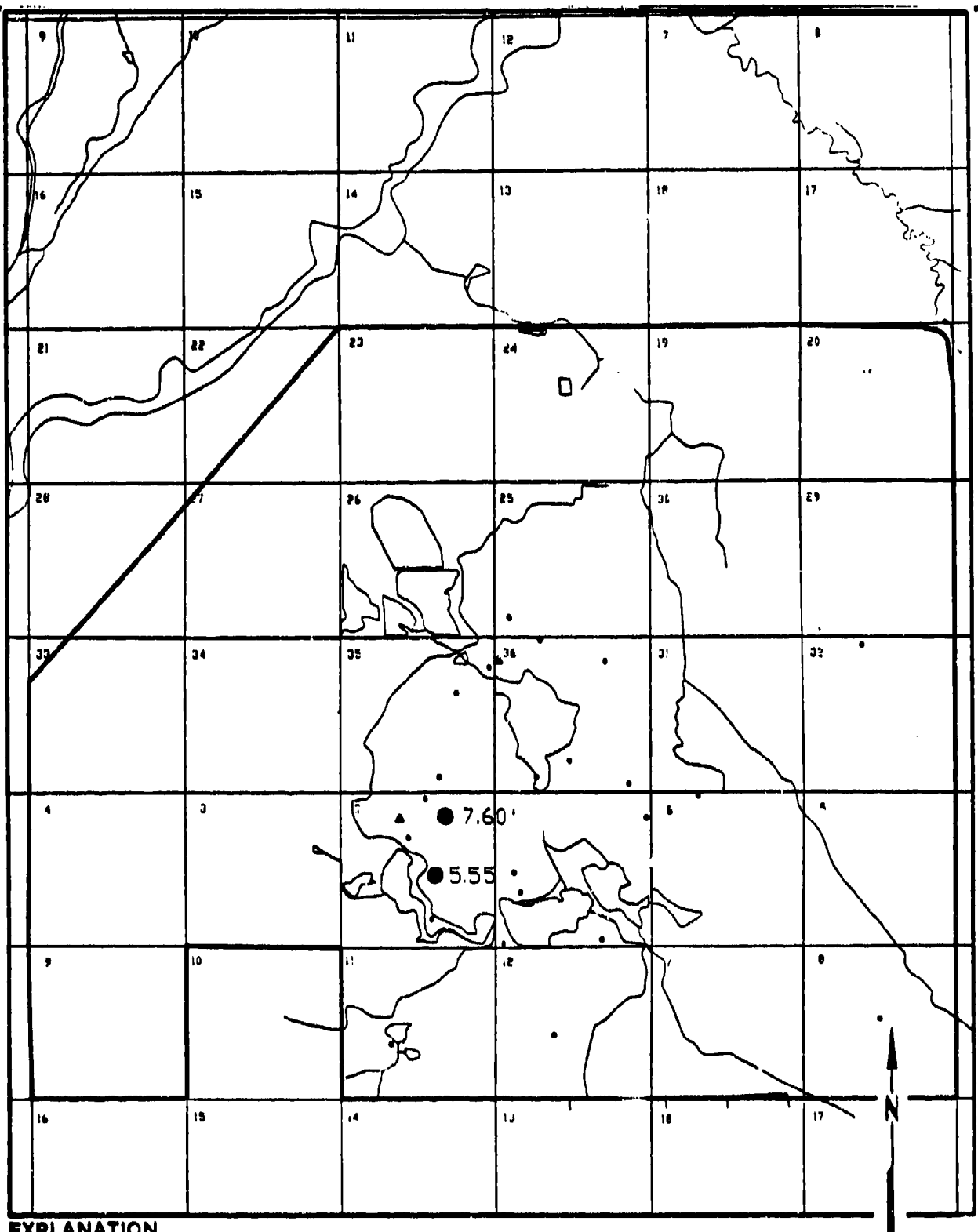


Figure D-132
CARBON TETRACHLORIDE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER, FY 1987
SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-133

CARBON TETRACHLORIDE DETECTIONS DENVER ZONE A 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

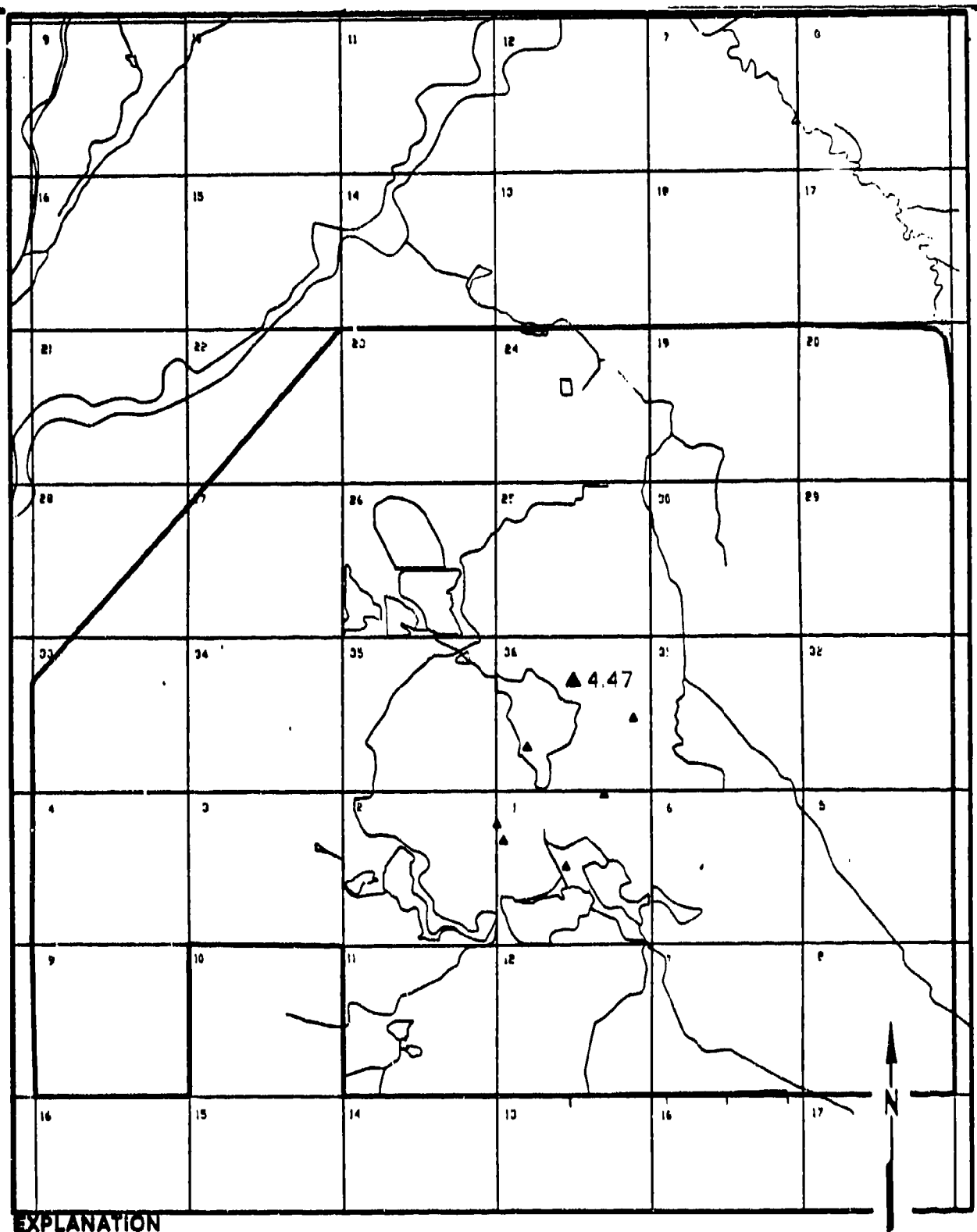
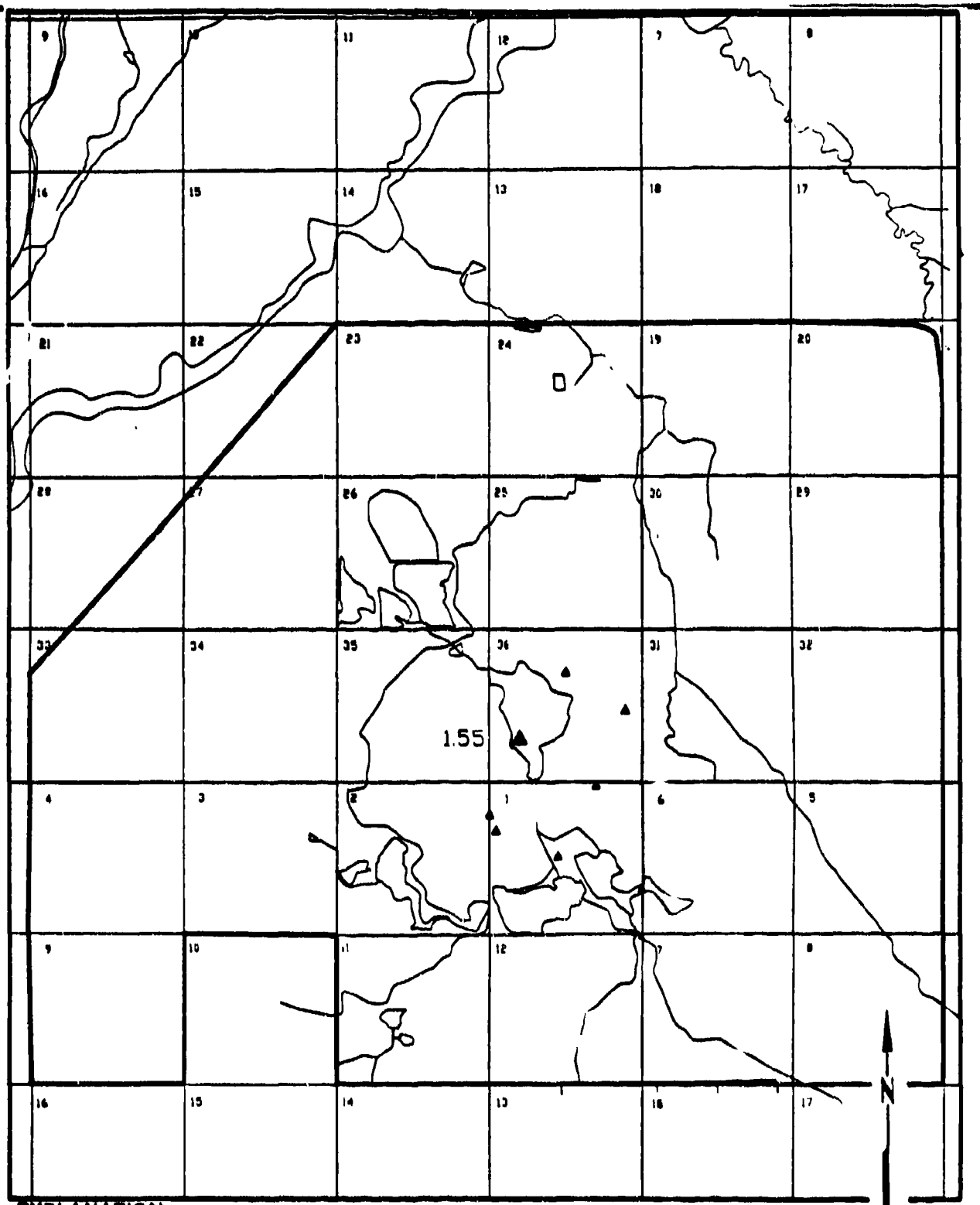


Figure D-134
1,1,2 TRICHLOROETHANE DETECTIONS DENVER ZONE VC/VCE 3RD QUARTER, FY 1987
SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-135
DBCP DETECTIONS DENVER ZONE VC/VCE
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

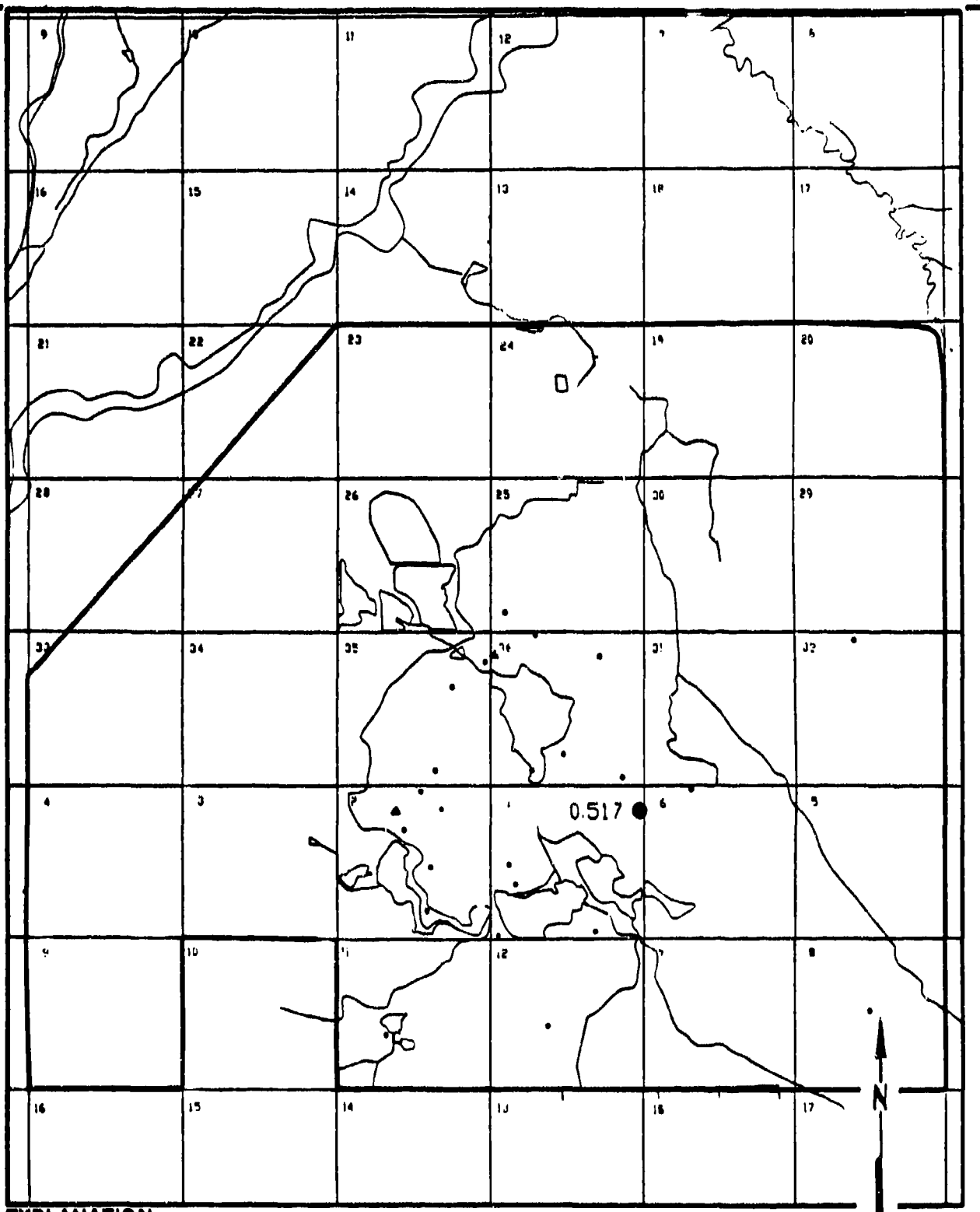


Figure D-136
DBCP DETECTIONS DENVER ZONE A
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

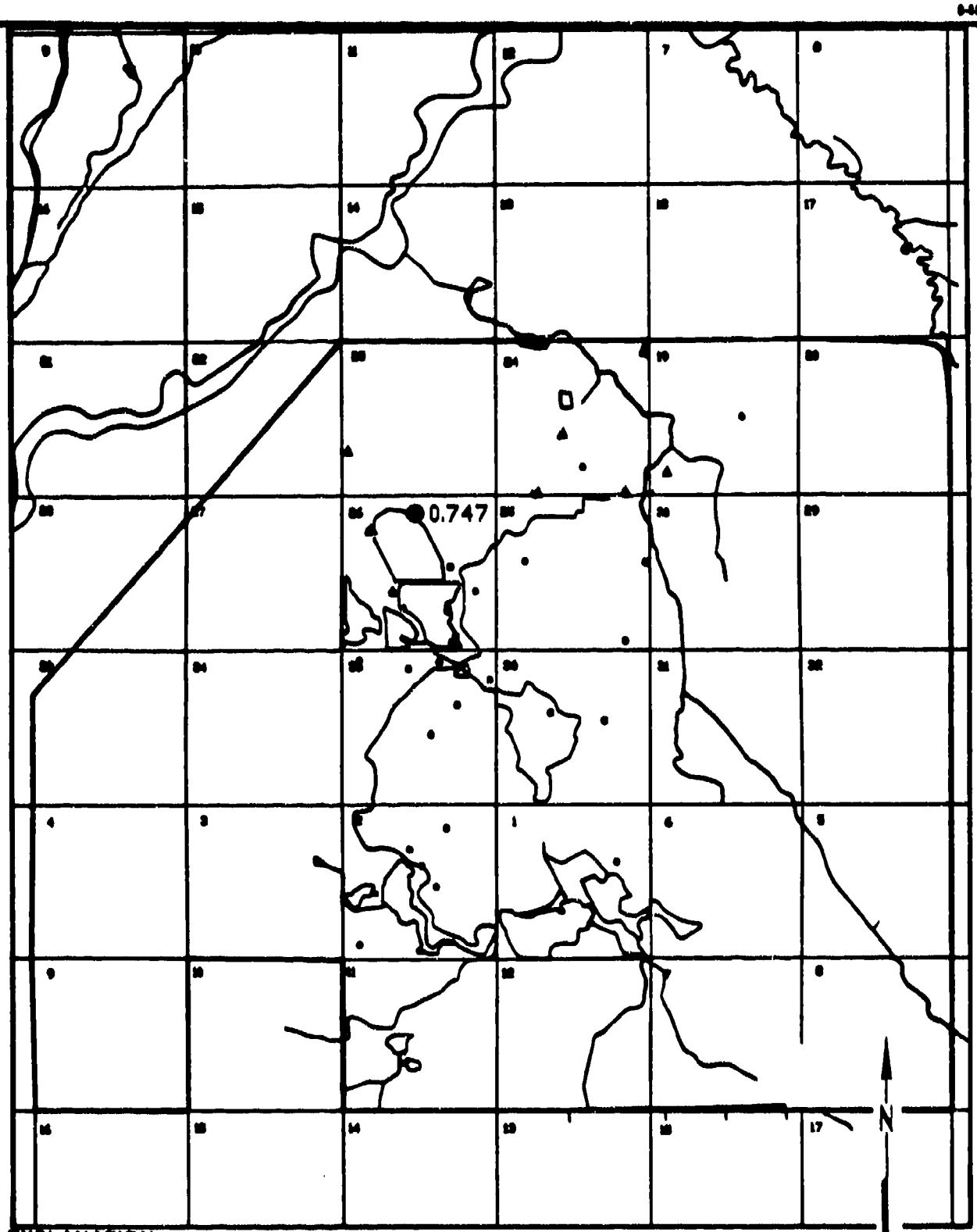
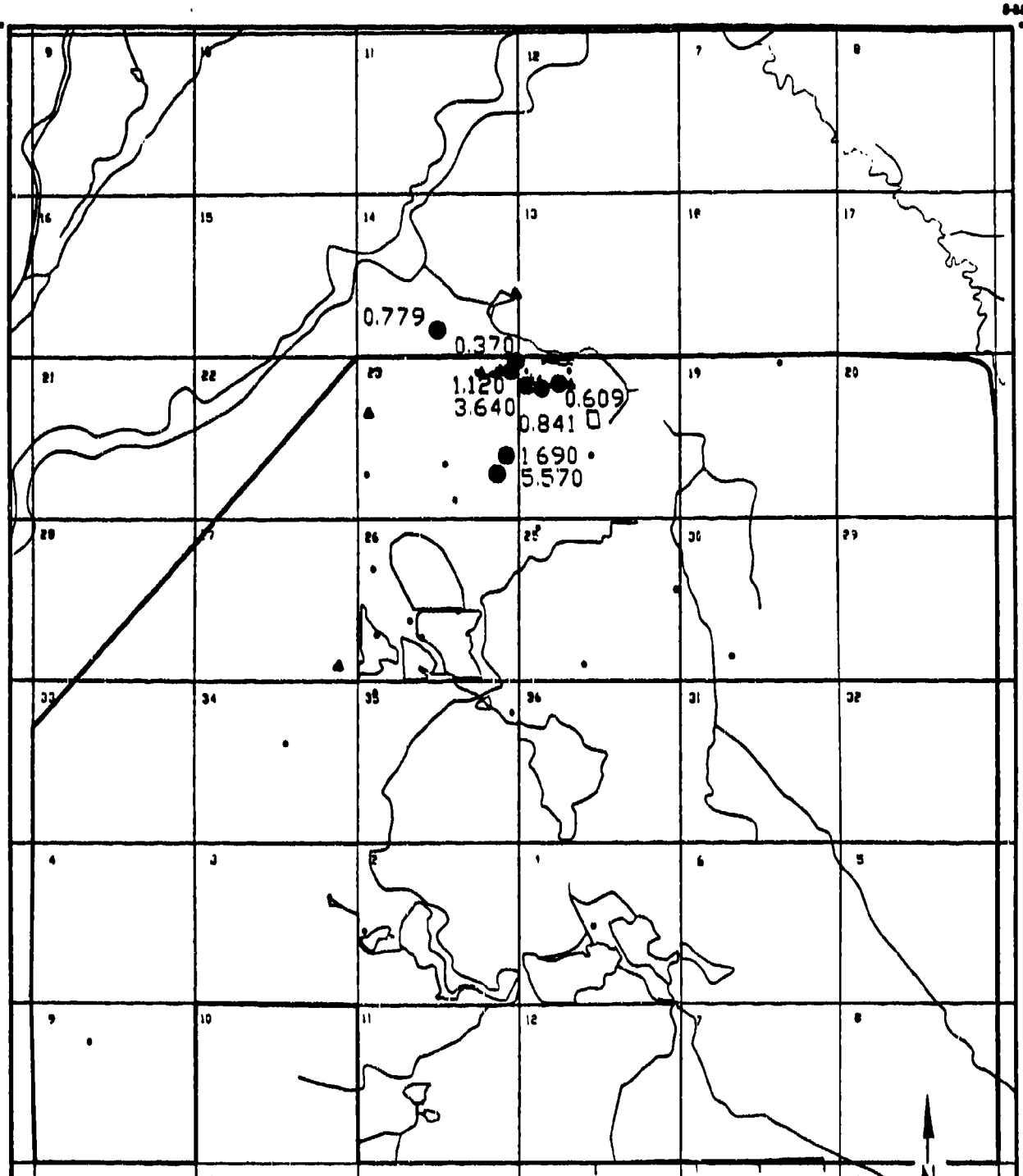


Figure D–137
DBCP DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-138
DBCP DETECTIONS DENVER ZONE 2
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

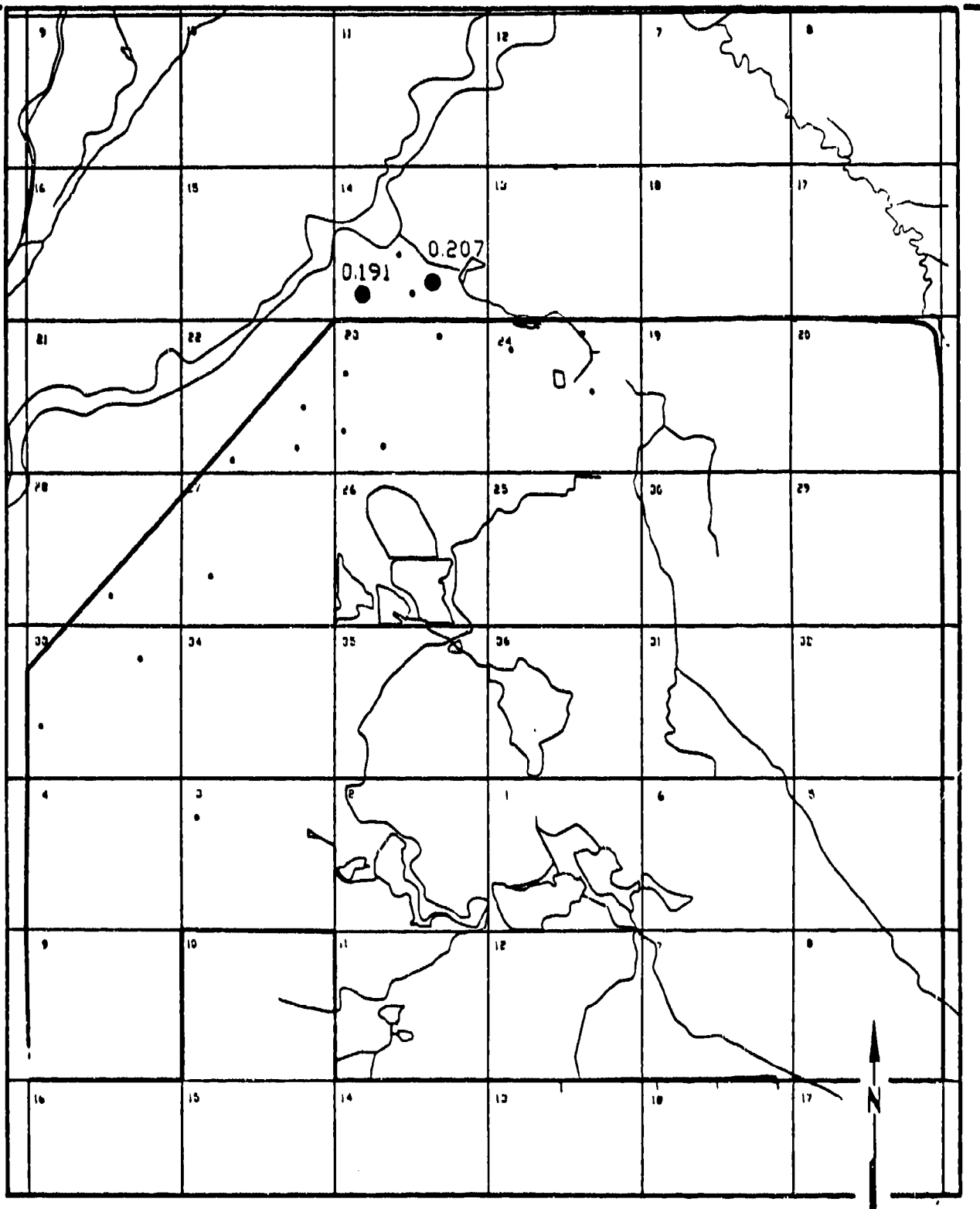


Figure D-139
DBCP DETECTIONS DENVER ZONE 4
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

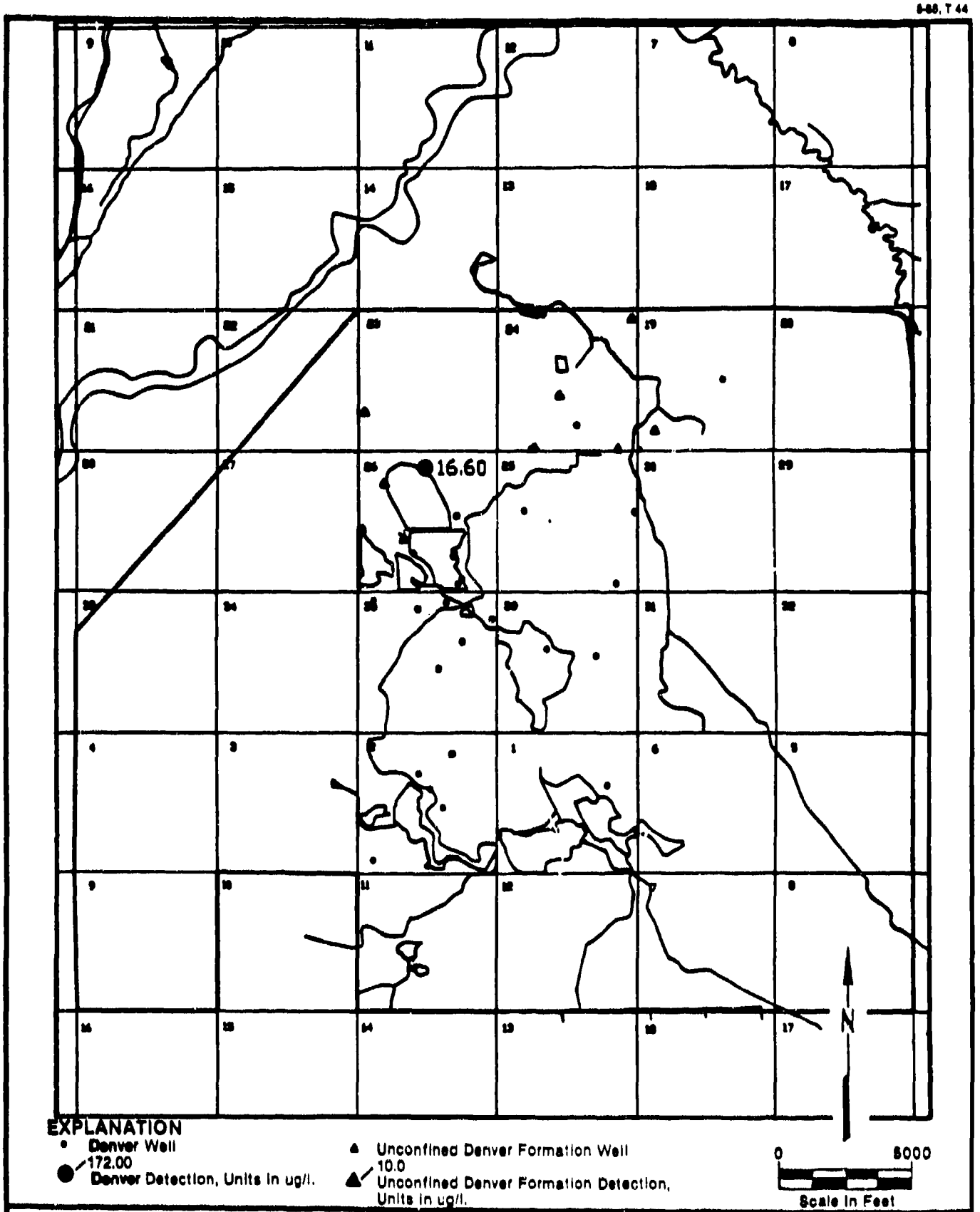


Figure D-140
DCPD DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

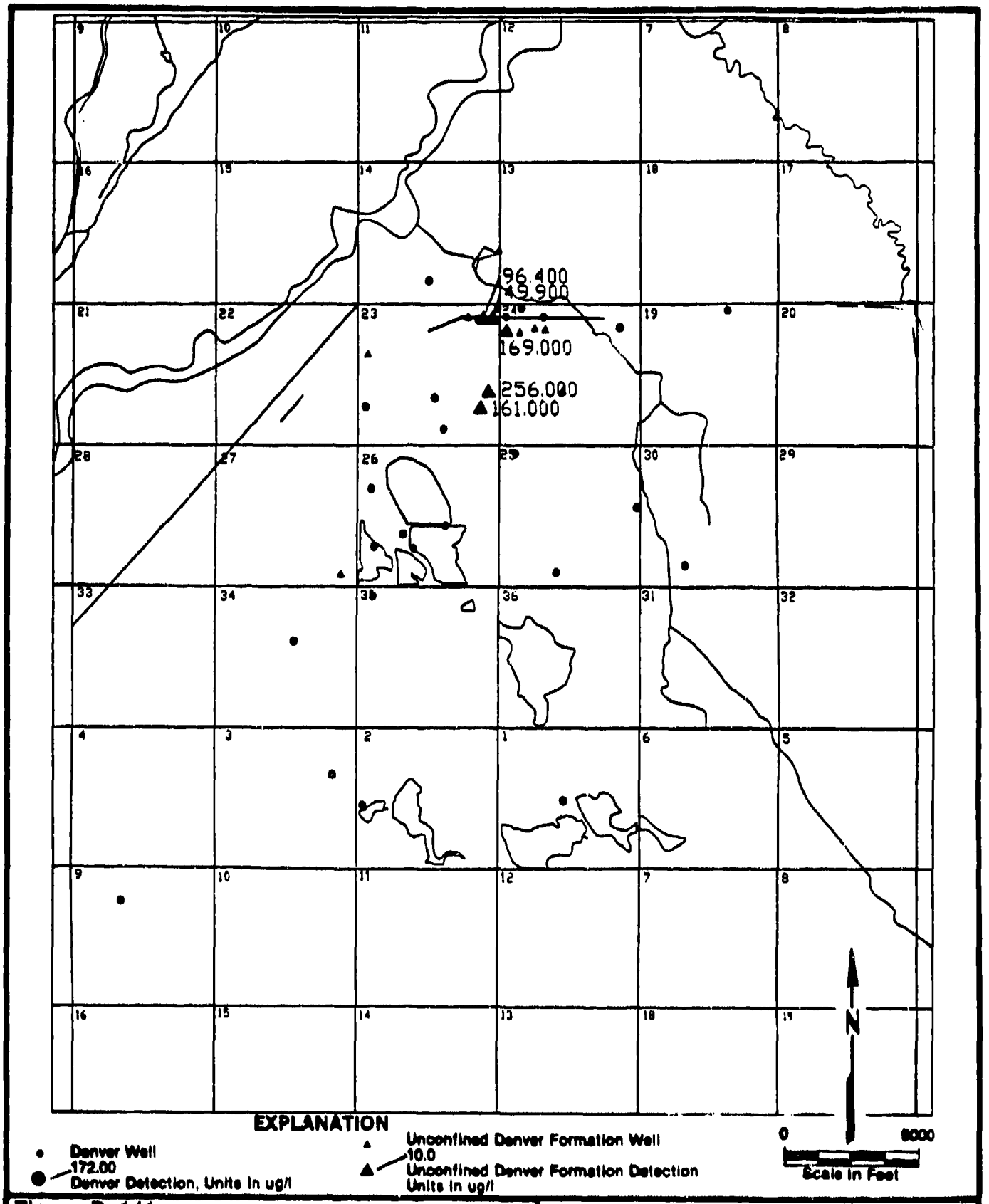
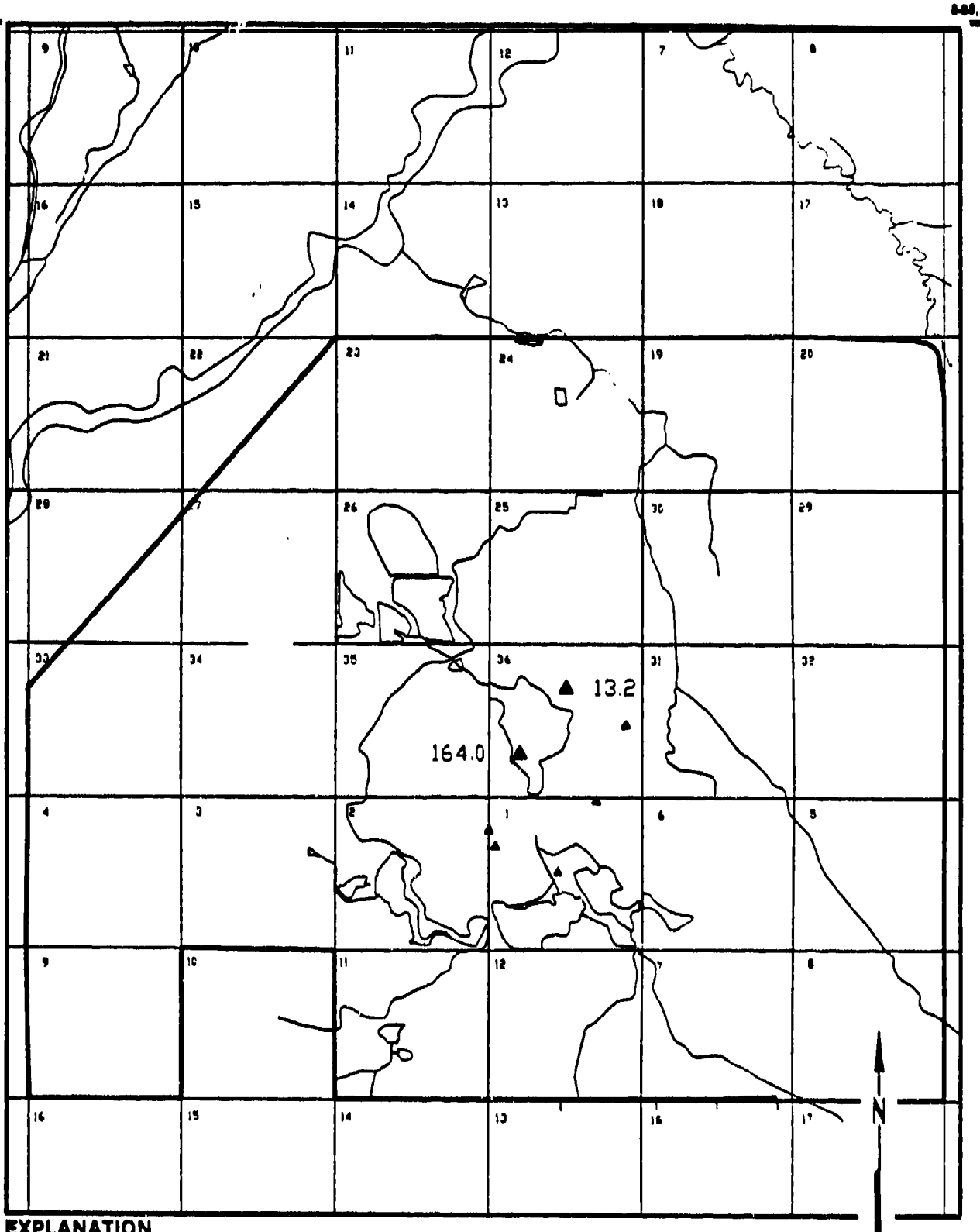


Figure D-141

DCPD DETECTIONS DENVER ZONE 2,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-142
DIMP DETECTIONS DENVER ZONE VC/VCE
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

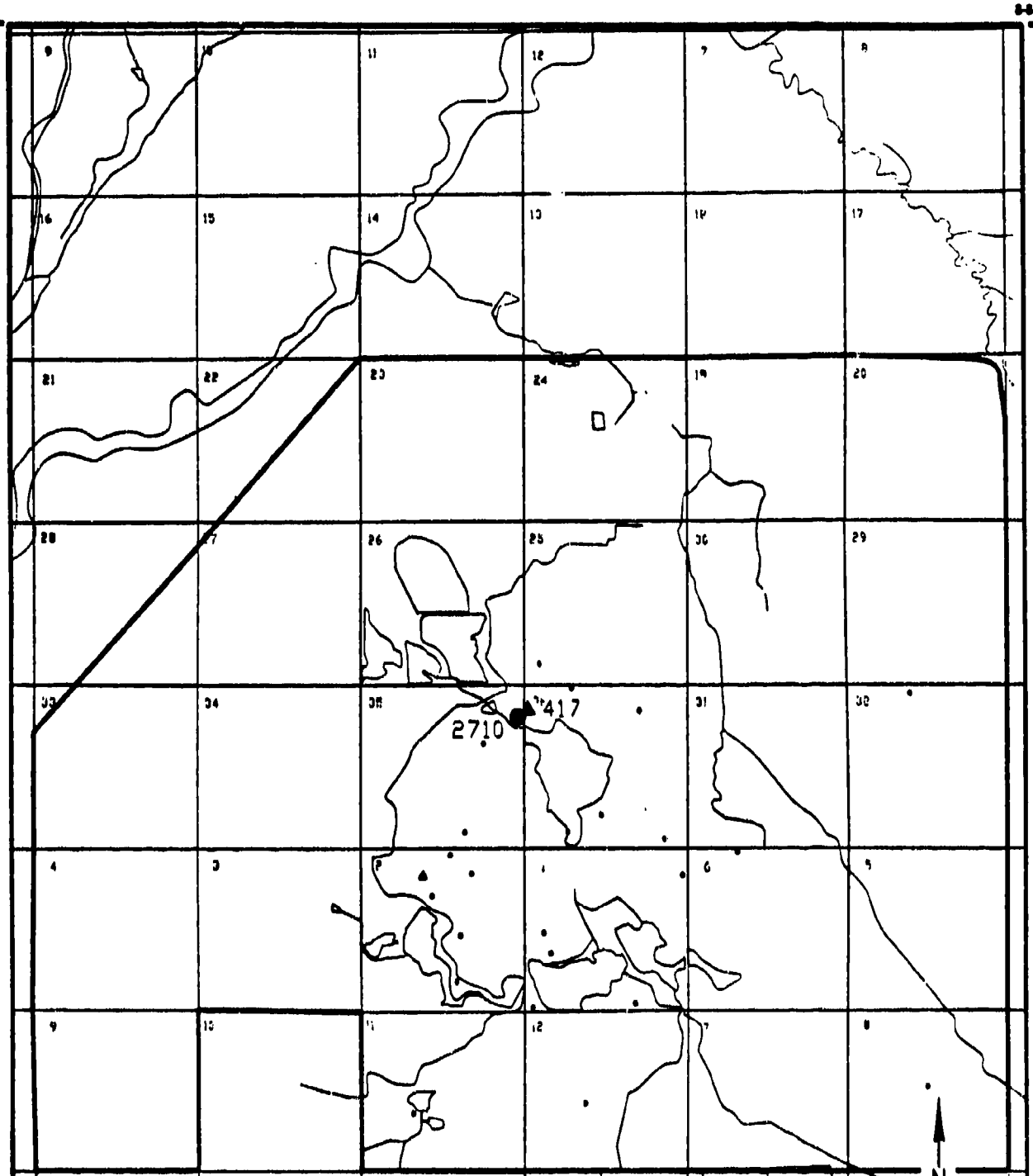
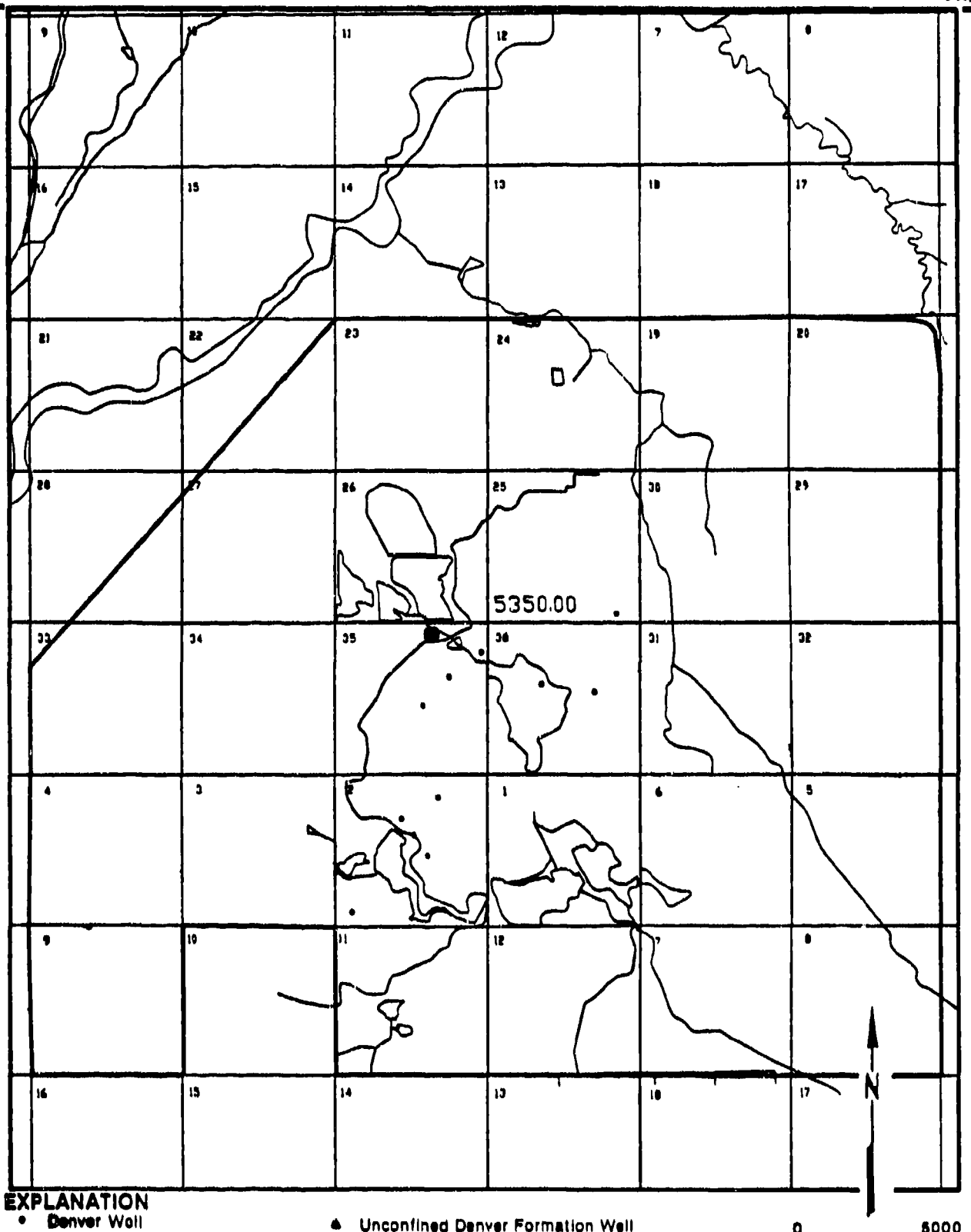


Figure D-143
DIMP DETECTIONS DENVER ZONE A
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-144
DIMP DETECTIONS DENVER ZONE 1U
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

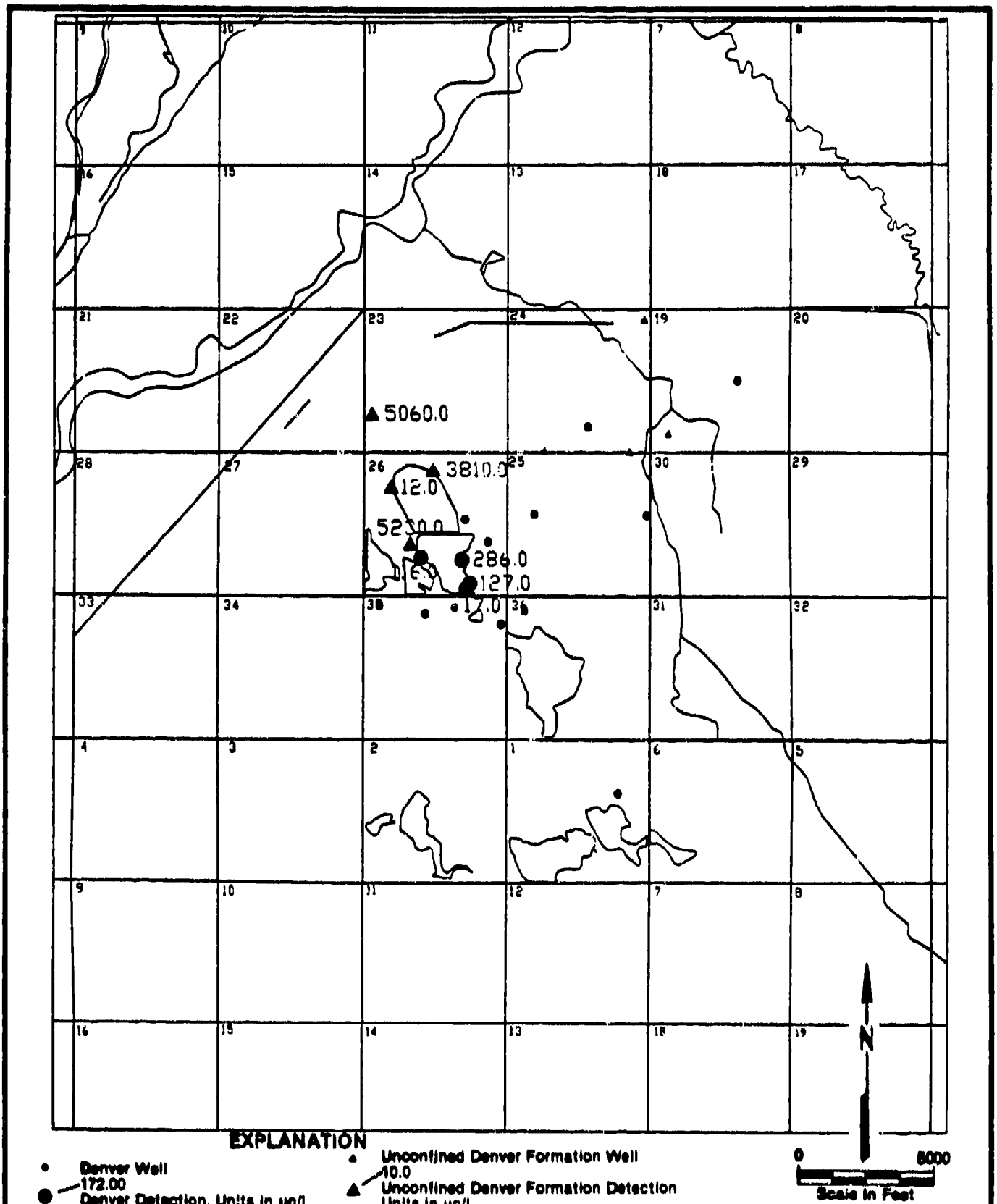


Figure D-145

DIMP DETECTIONS DENVER ZONE 1,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

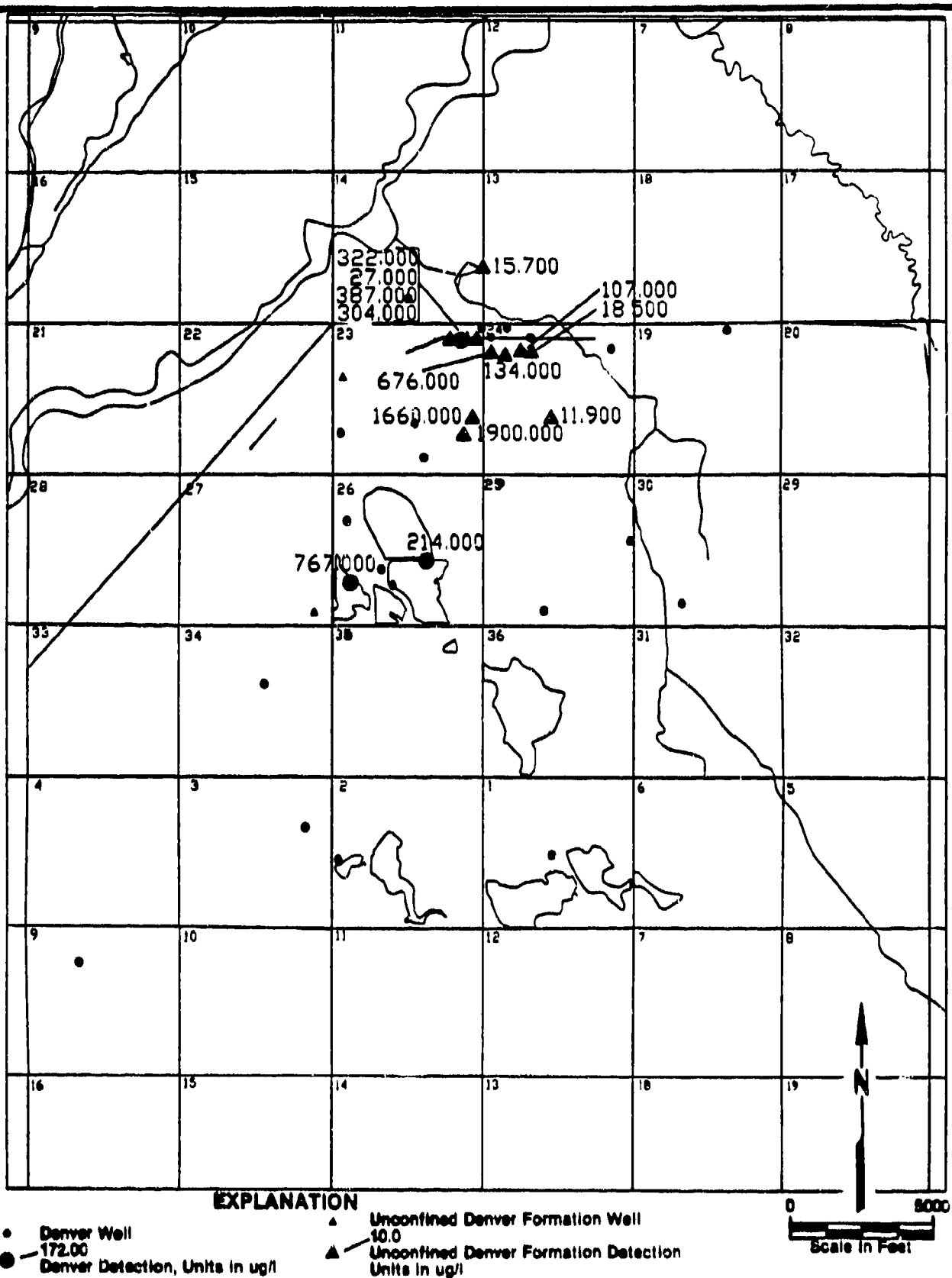
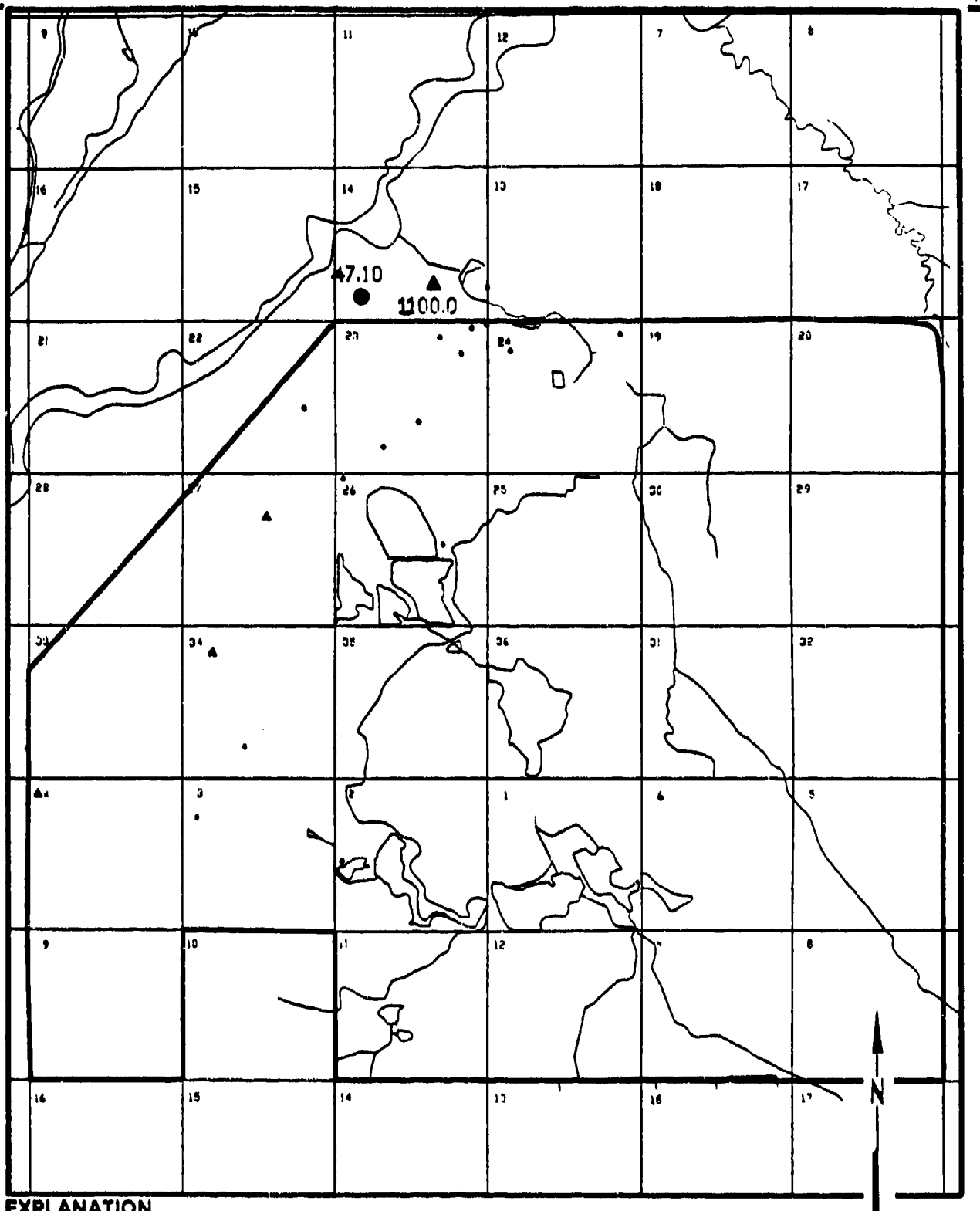


Figure D-146

DIMP DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l.
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection, Units in ug/l.

Figure D-147
DIMP DETECTIONS DENVER ZONE 3 3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

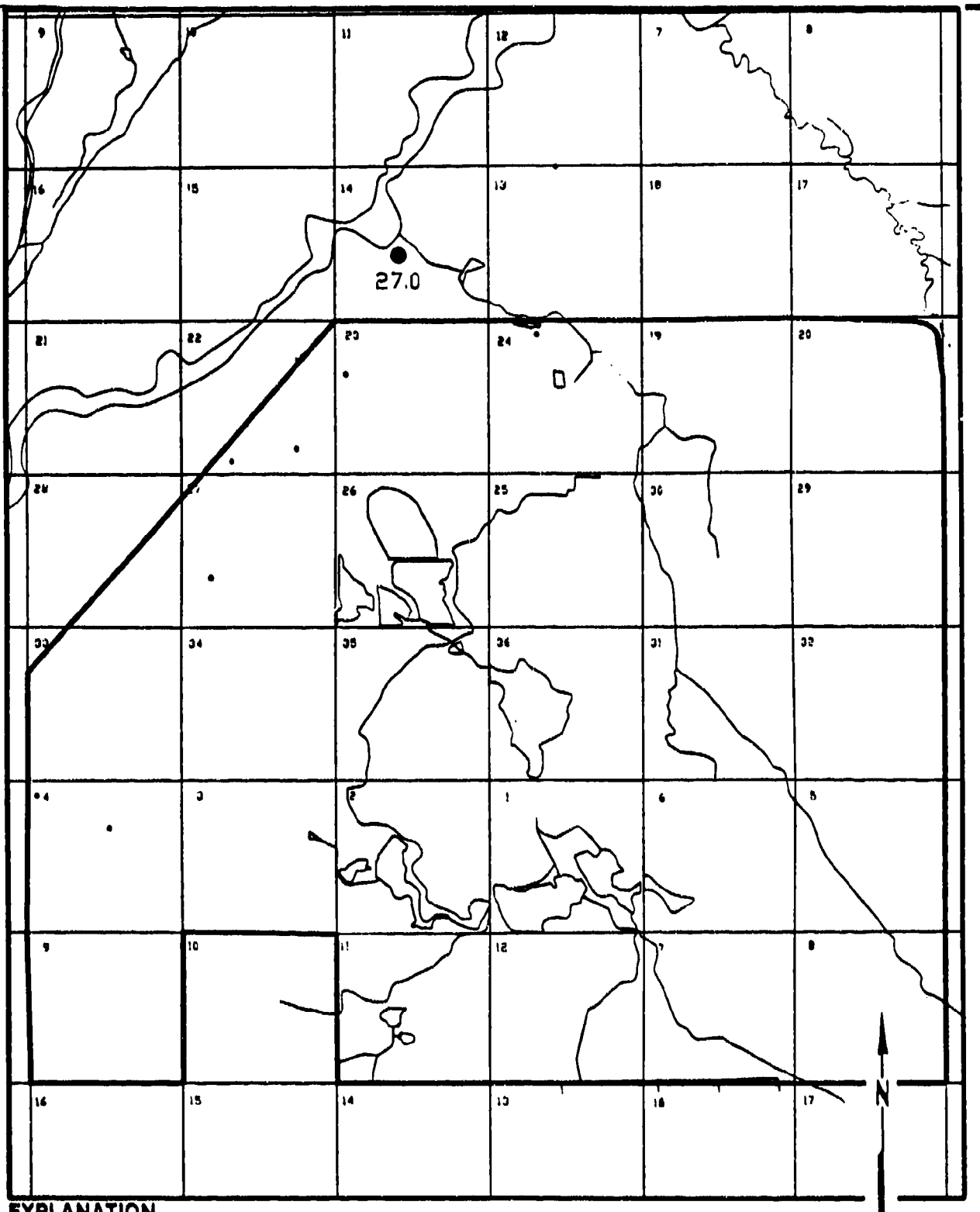


Figure D-148
DIMP DETECTIONS DENVER ZONE 5
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

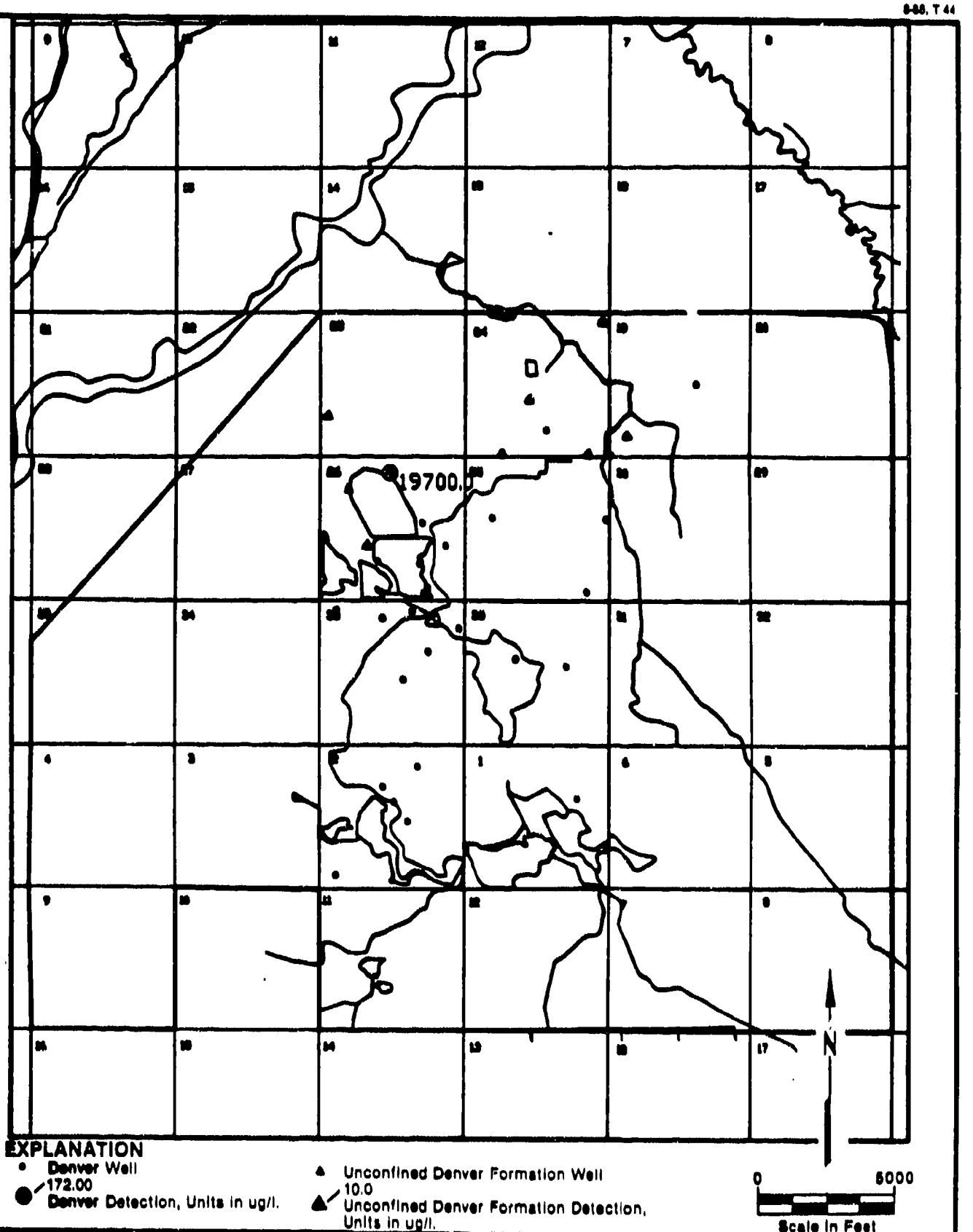


Figure D-149

DMMP DETECTIONS DENVER ZONE 1
3RD QUARTER FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

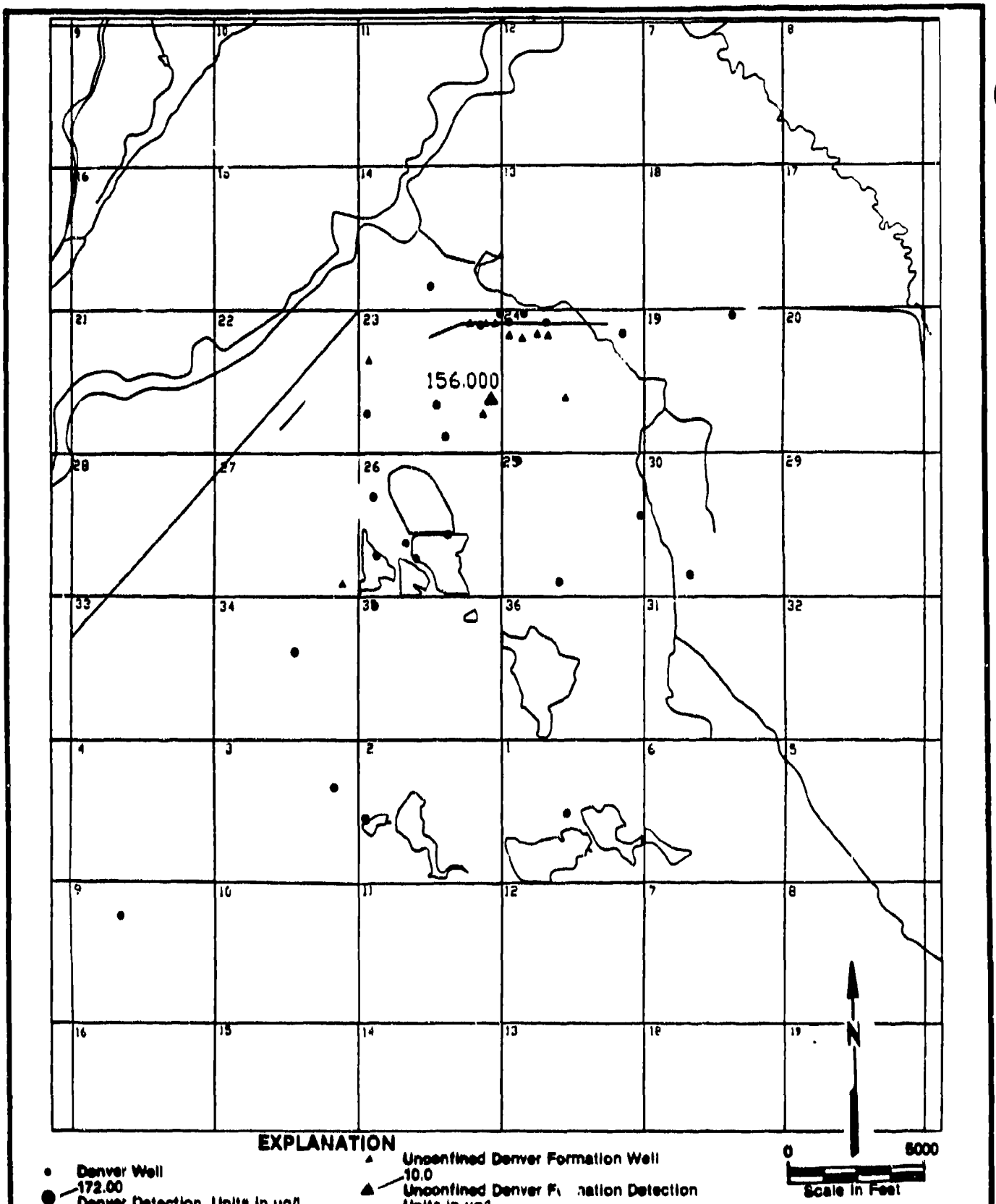


Figure D-150

DMMP DETECTIONS DENVER ZONE 2,
3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

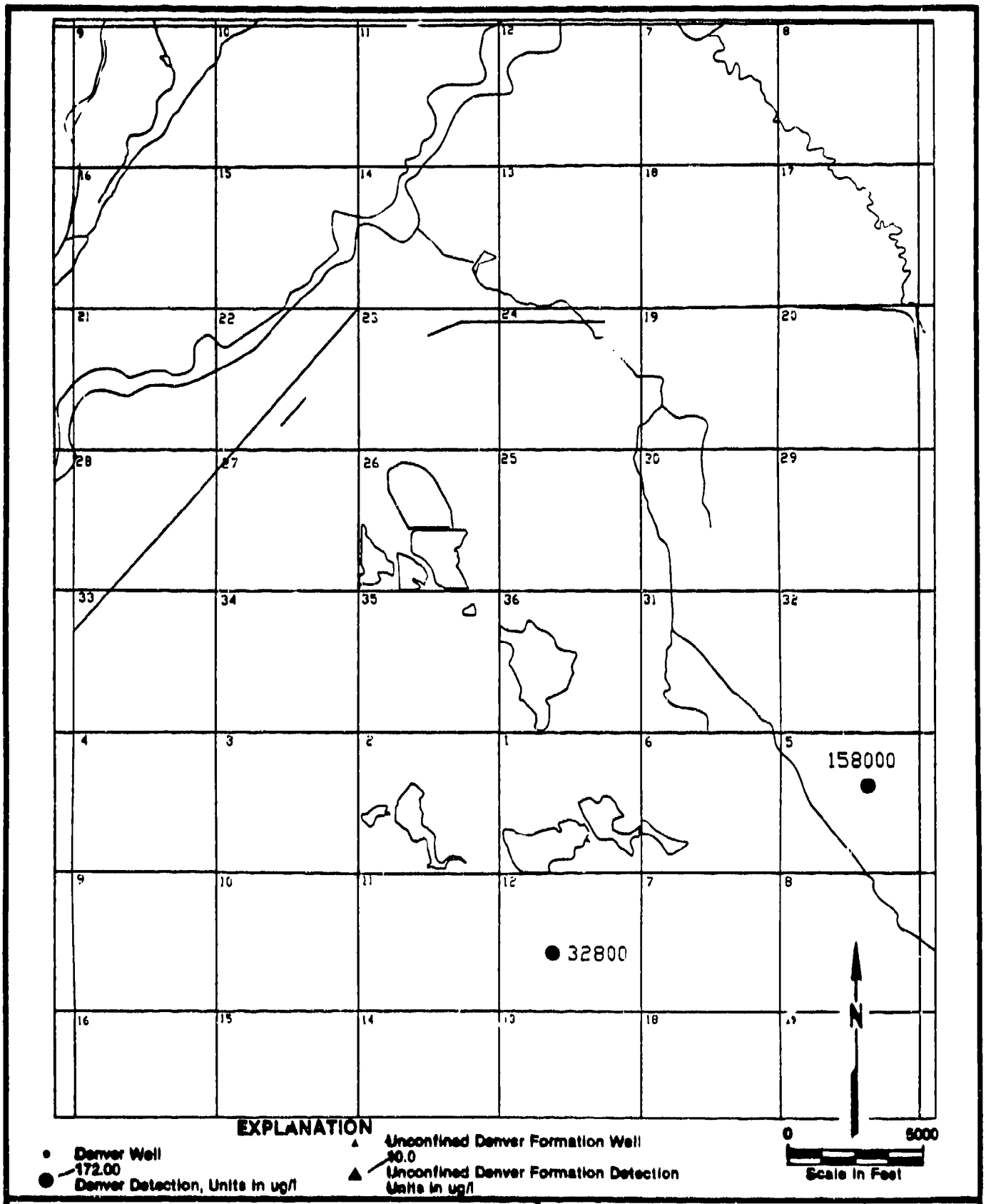


Figure D-151

CHLORIDE DETECTIONS DENVER ZONE B, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

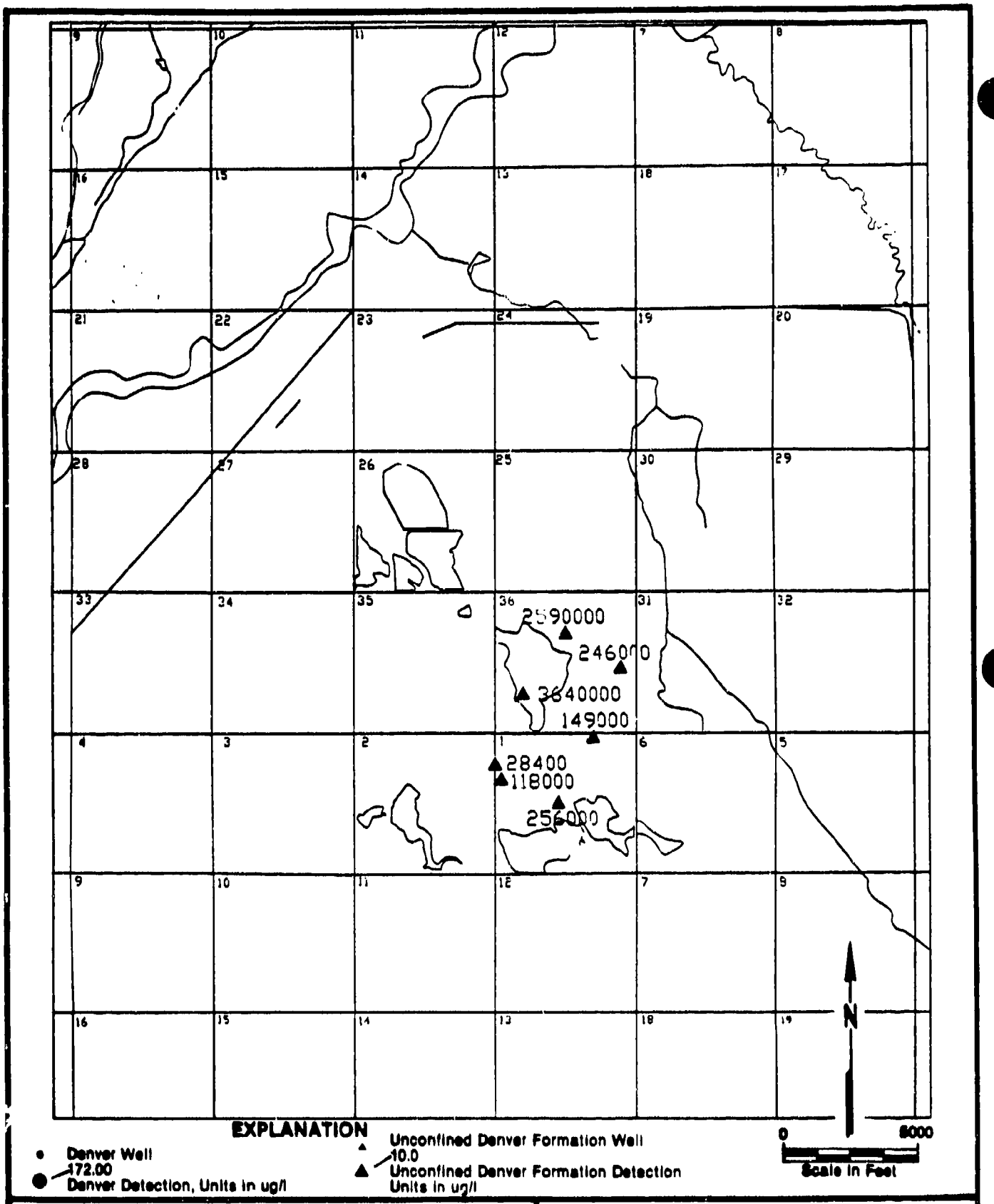


Figure D-152

CHLORIDE DETECTIONS DENVER ZONE VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

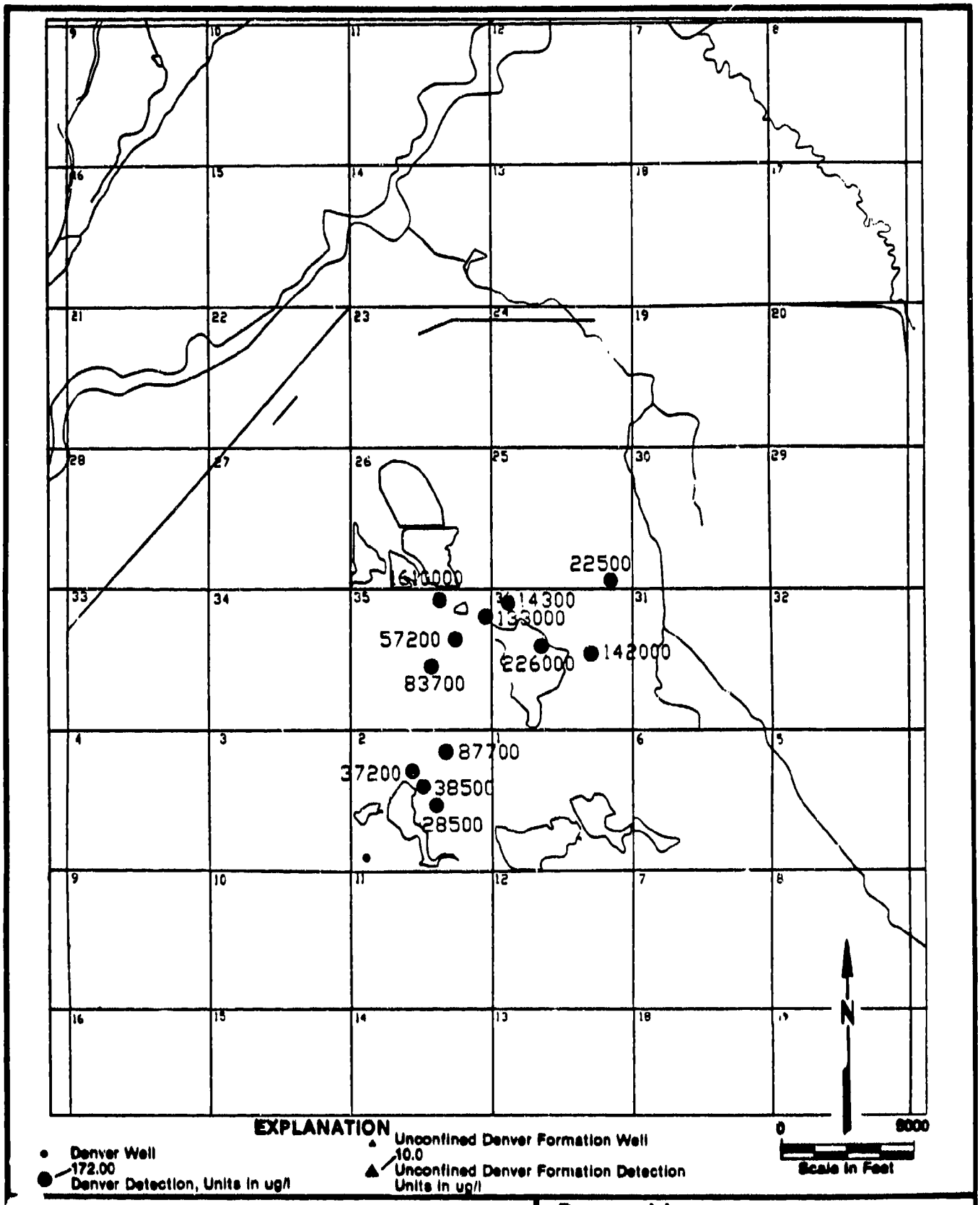


Figure D-153

CHLORIDE DETECTIONS DENVER ZONE
1U, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

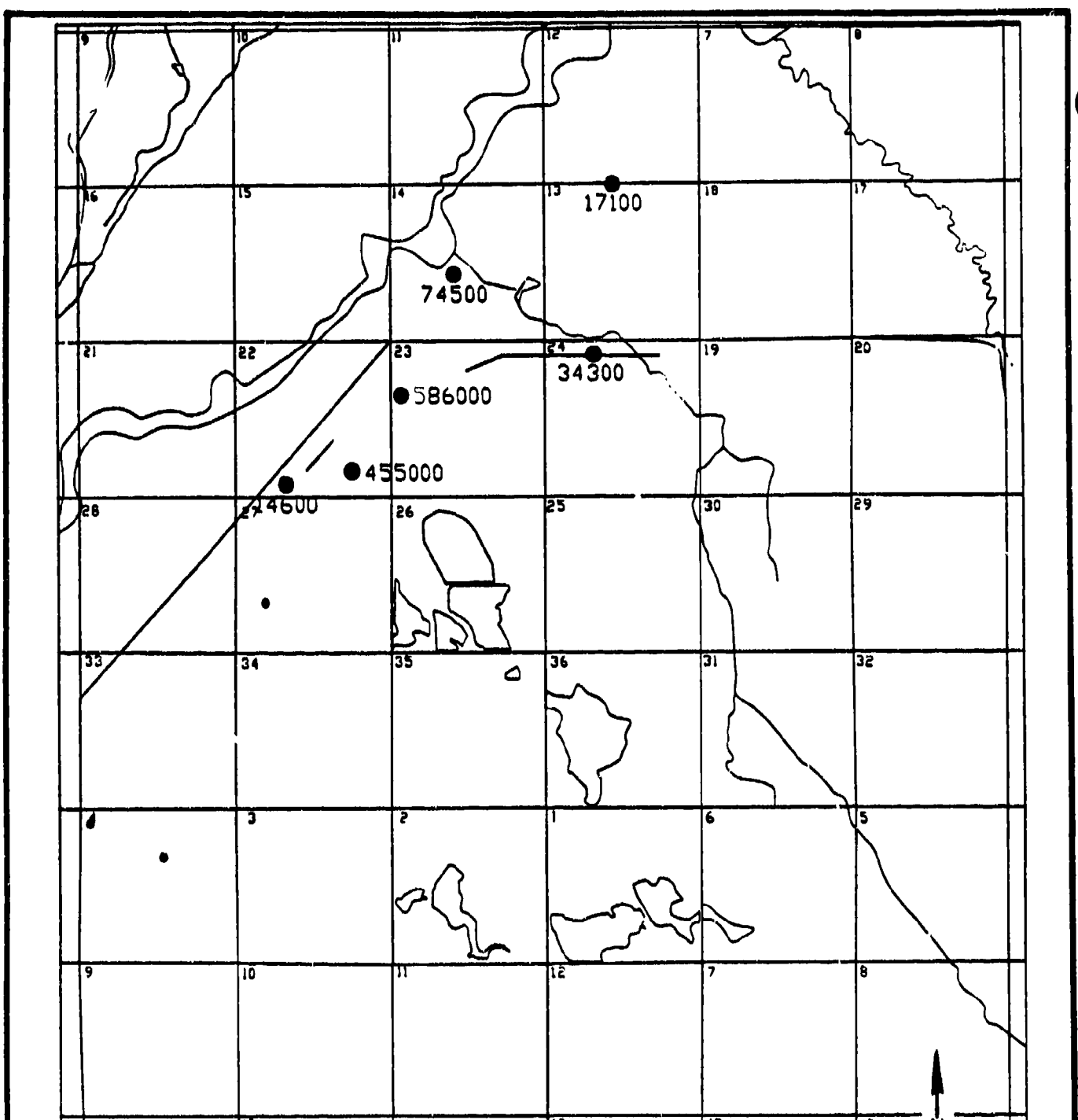


Figure D-154

CHLORIDE DETECTIONS DENVER ZONE 5, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

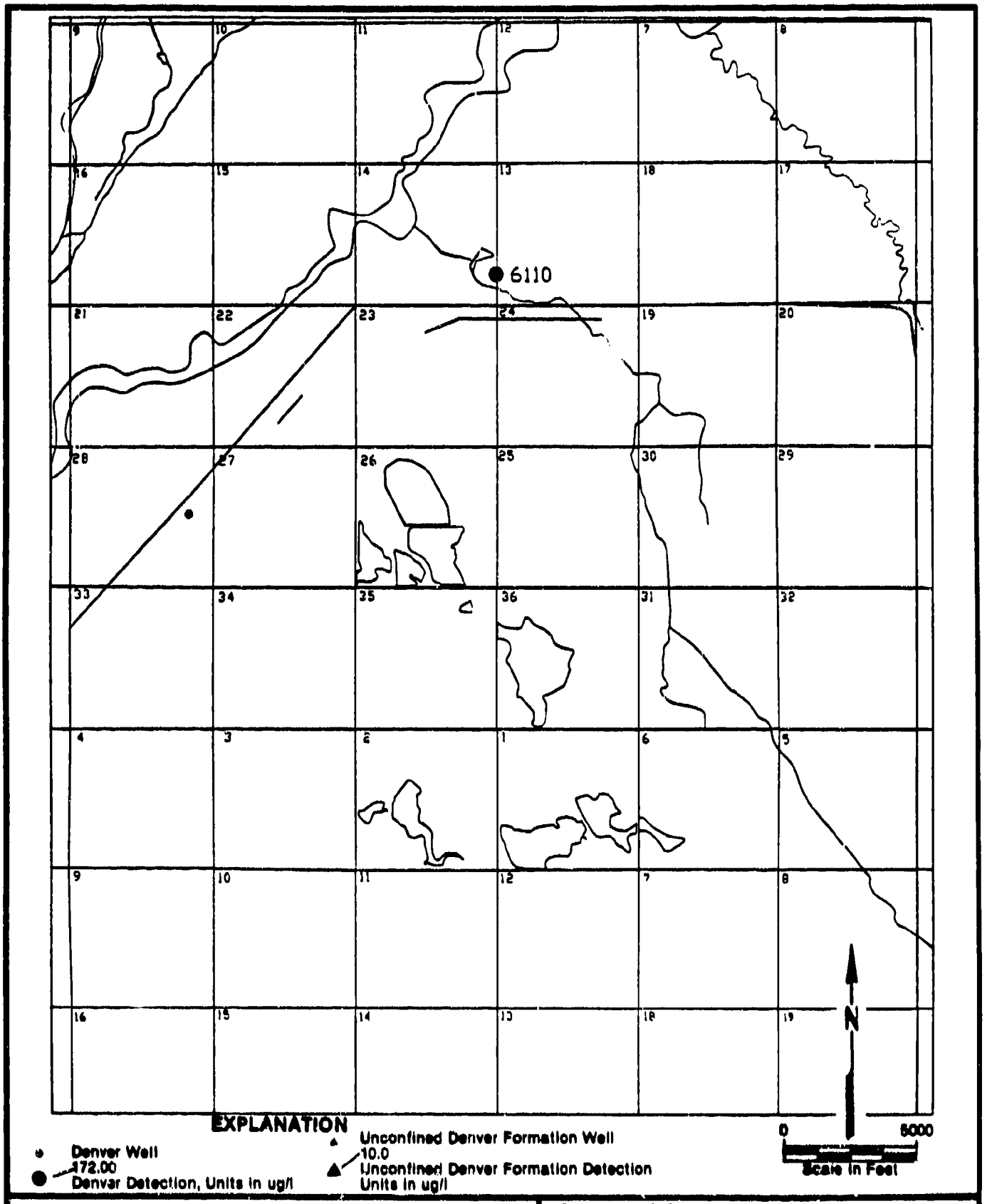


Figure D-155

CHLORIDE DETECTIONS DENVER ZONE 6, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

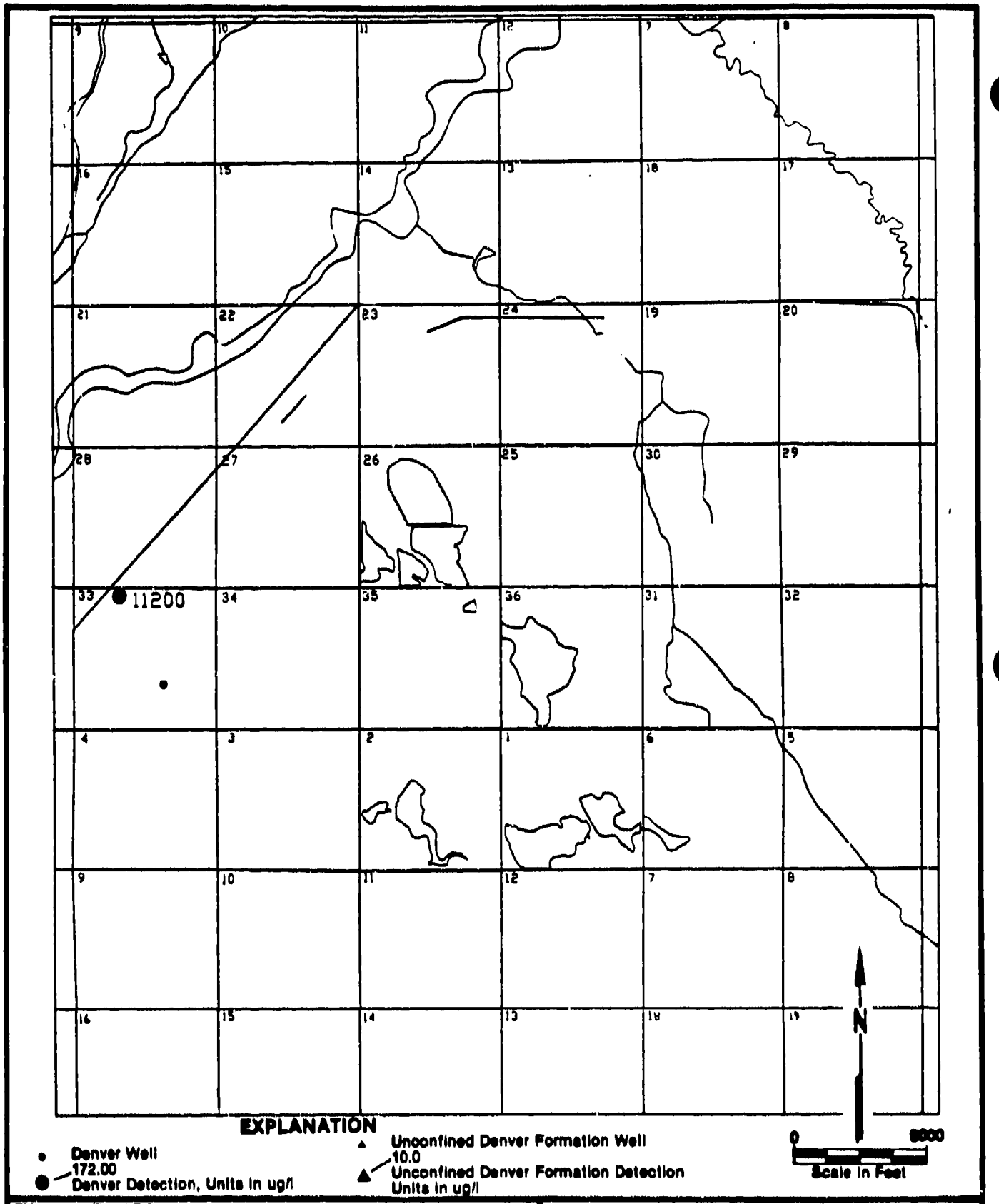


Figure D-156

CHLORIDE DETECTIONS DENVER ZONE
7, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

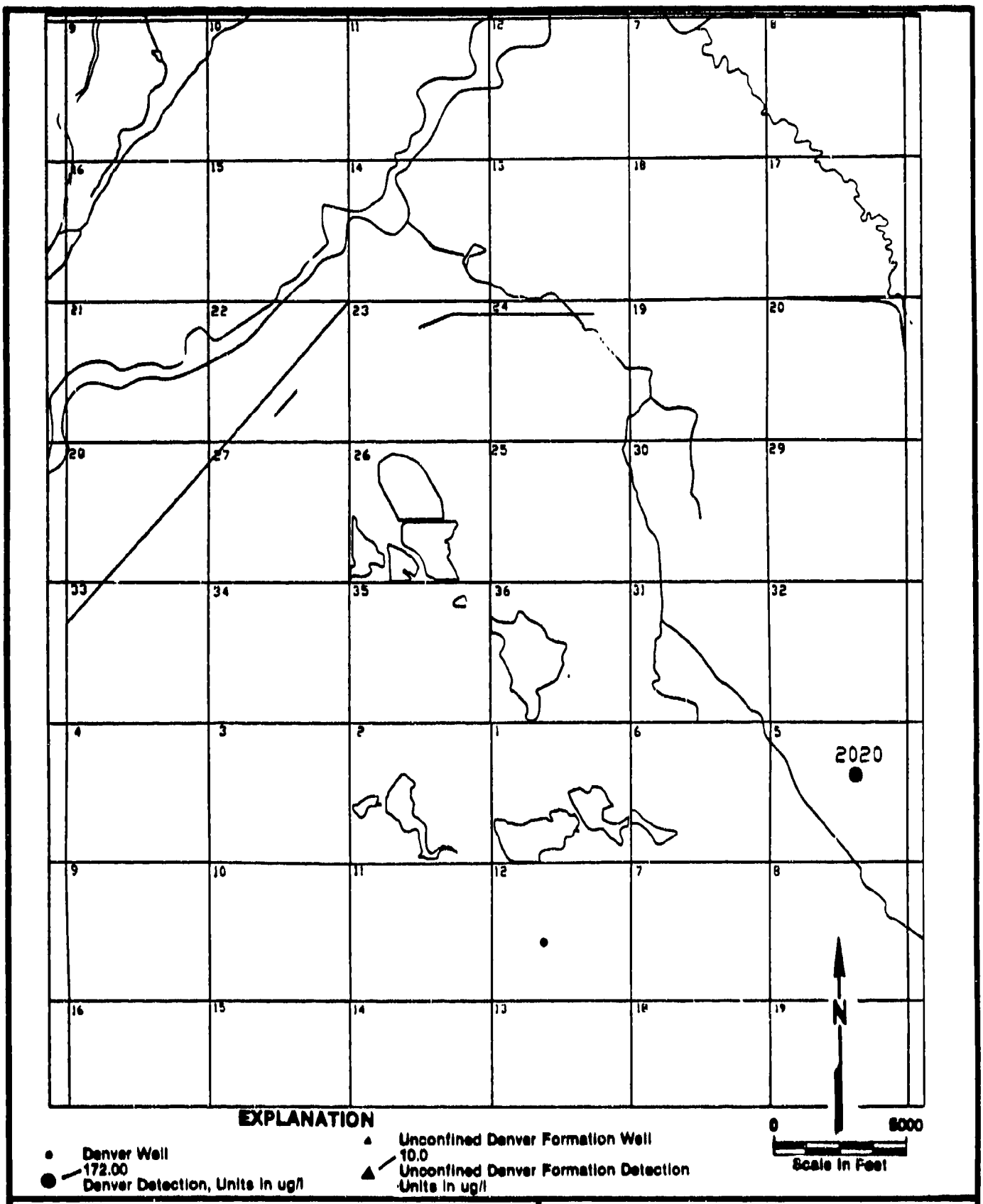


Figure D-157

FLUORIDE DETECTIONS DENVER ZONE B, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

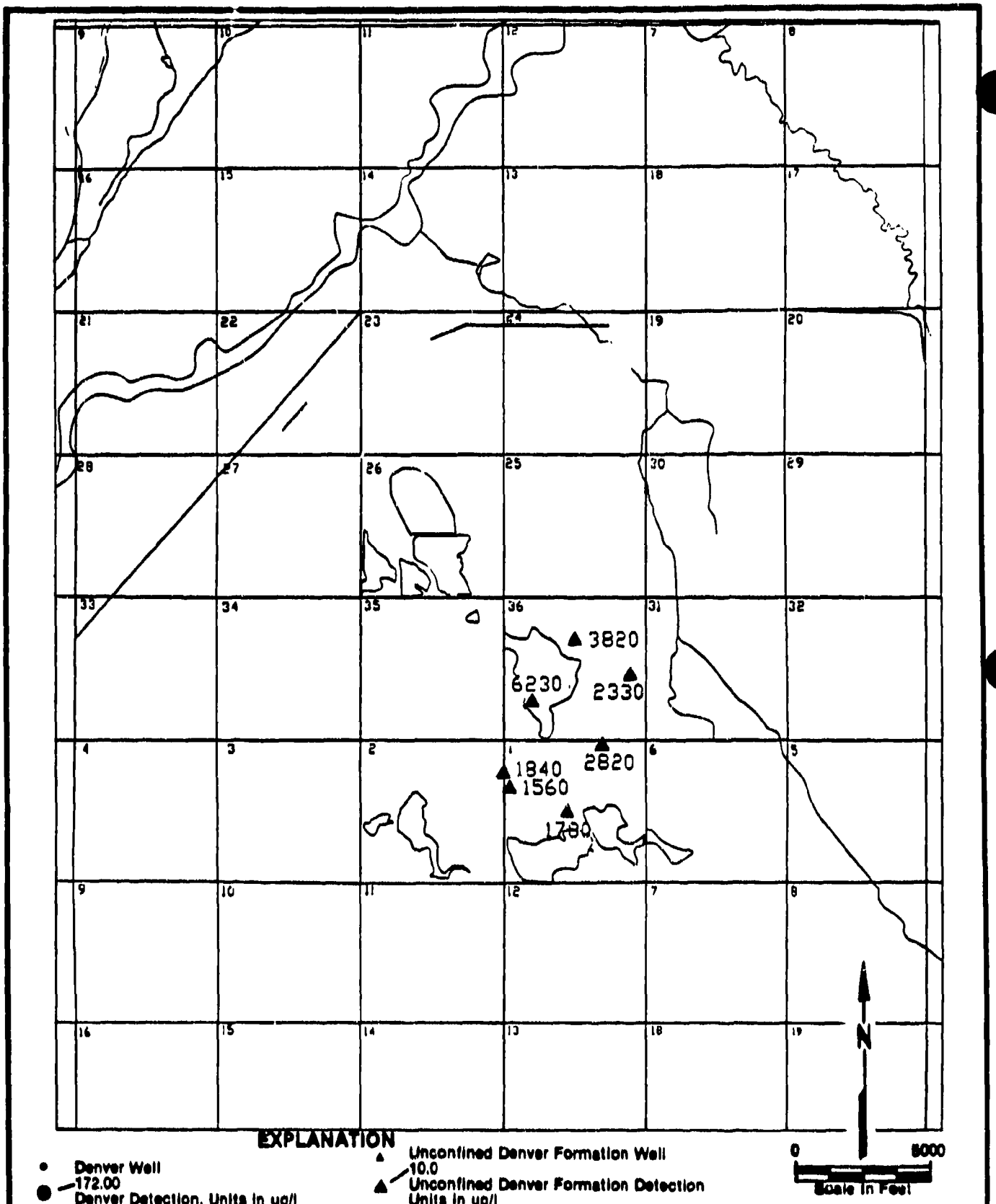
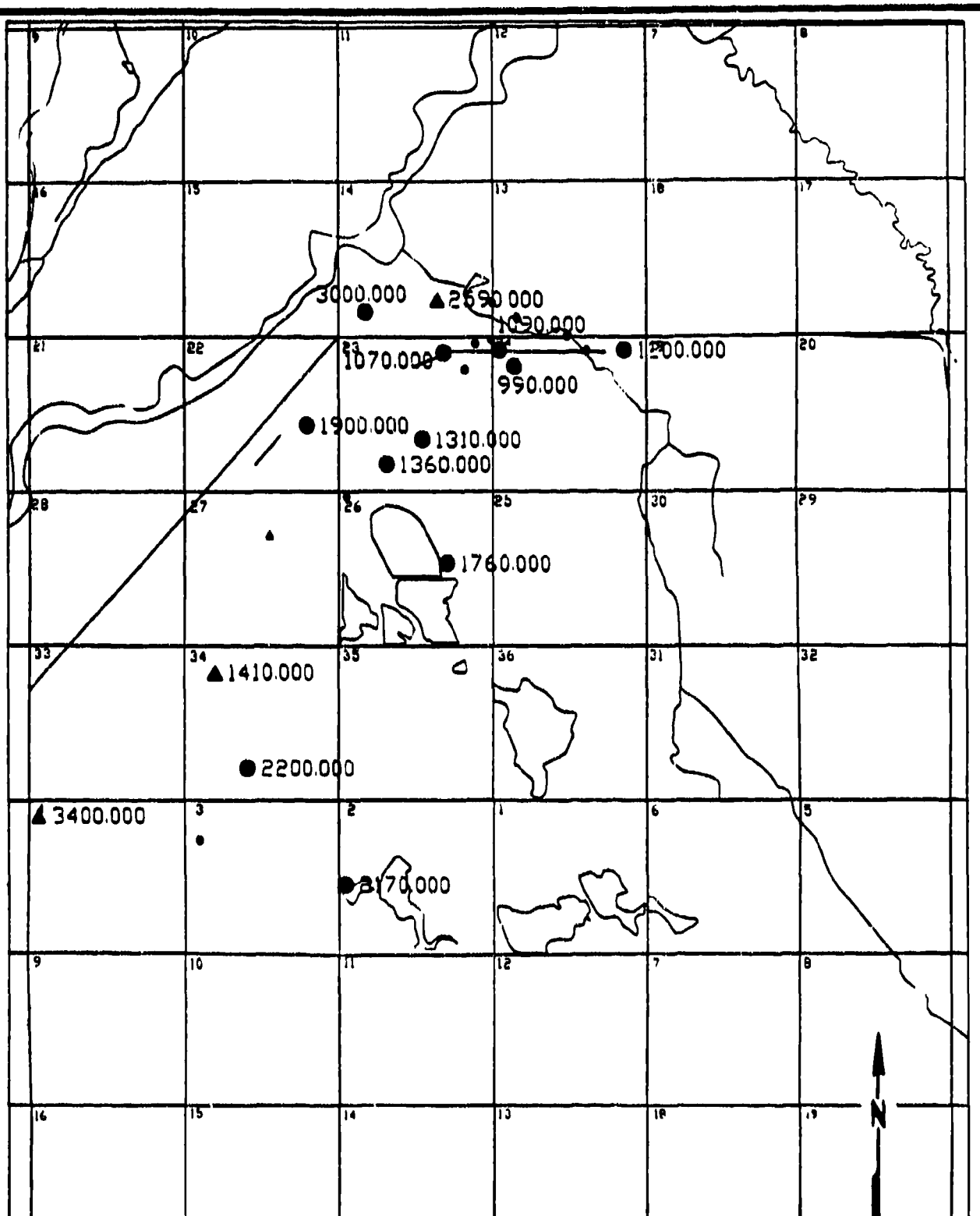


Figure D-158

FLUORIDE DETECTIONS DENVER ZONE
VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-159

FLUORIDE DETECTIONS DENVER ZONE 3, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

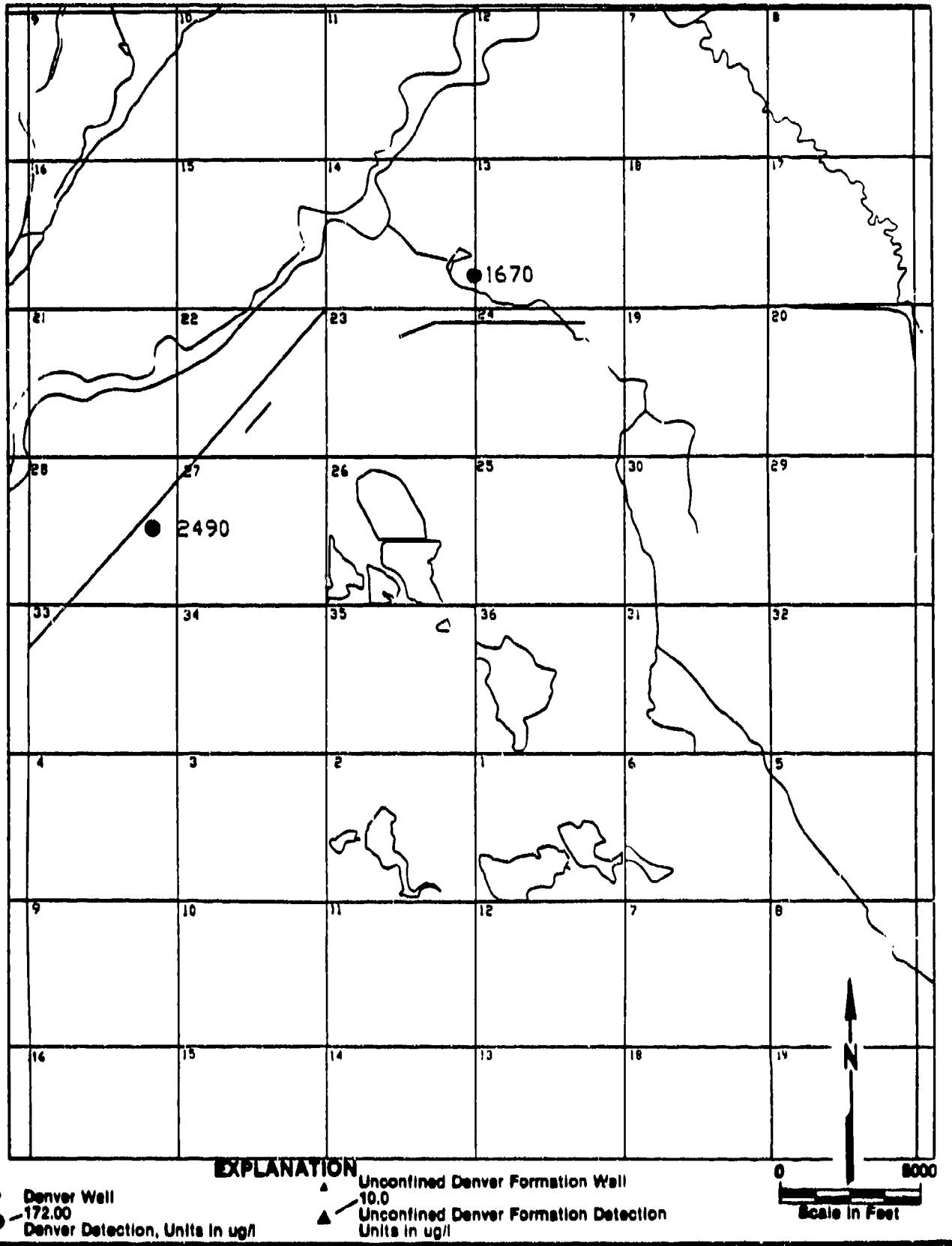
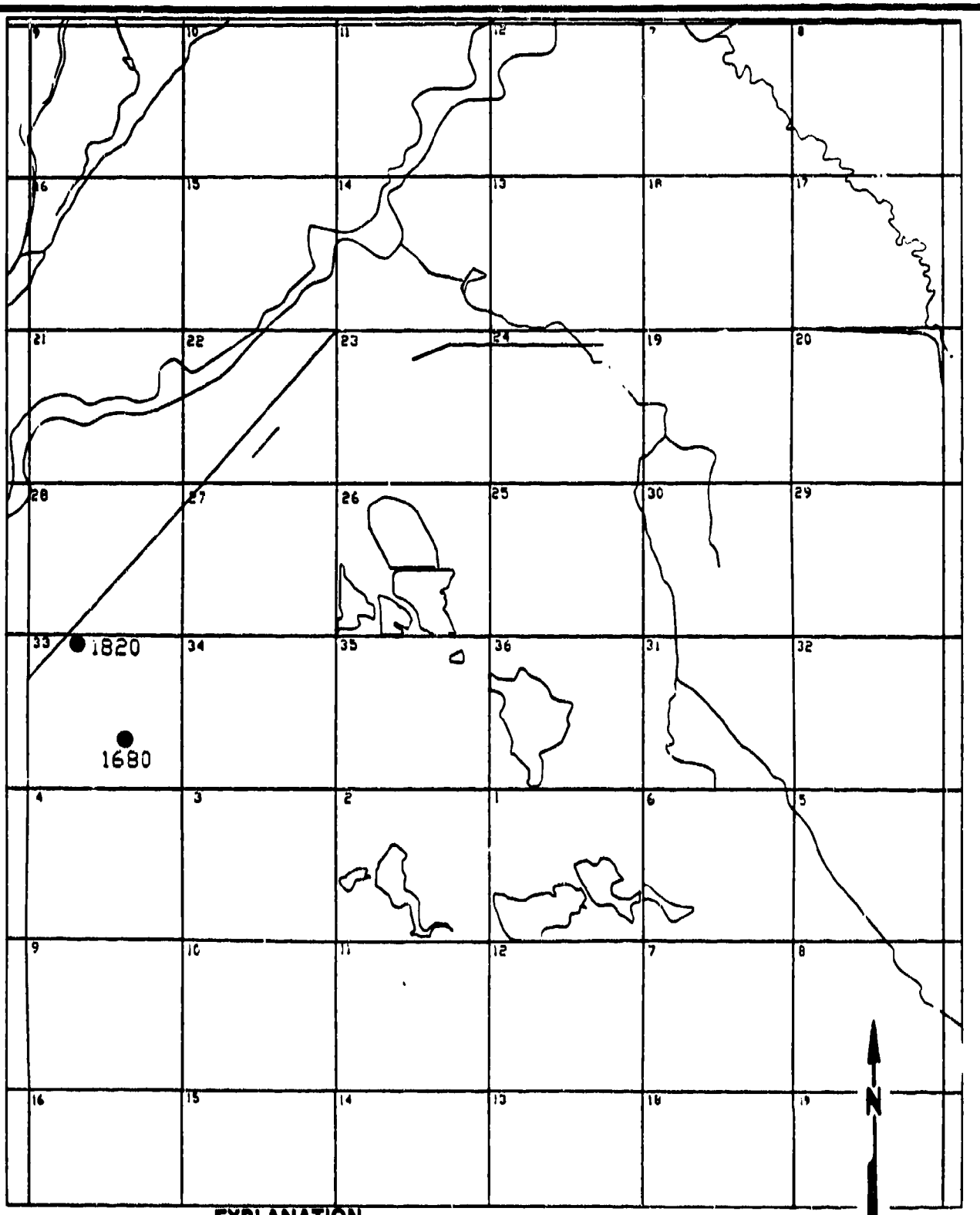


Figure D-160

FLUORIDE DETECTIONS DENVER ZONE 6, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-161

FLUORIDE DETECTIONS DENVER ZONE 7, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

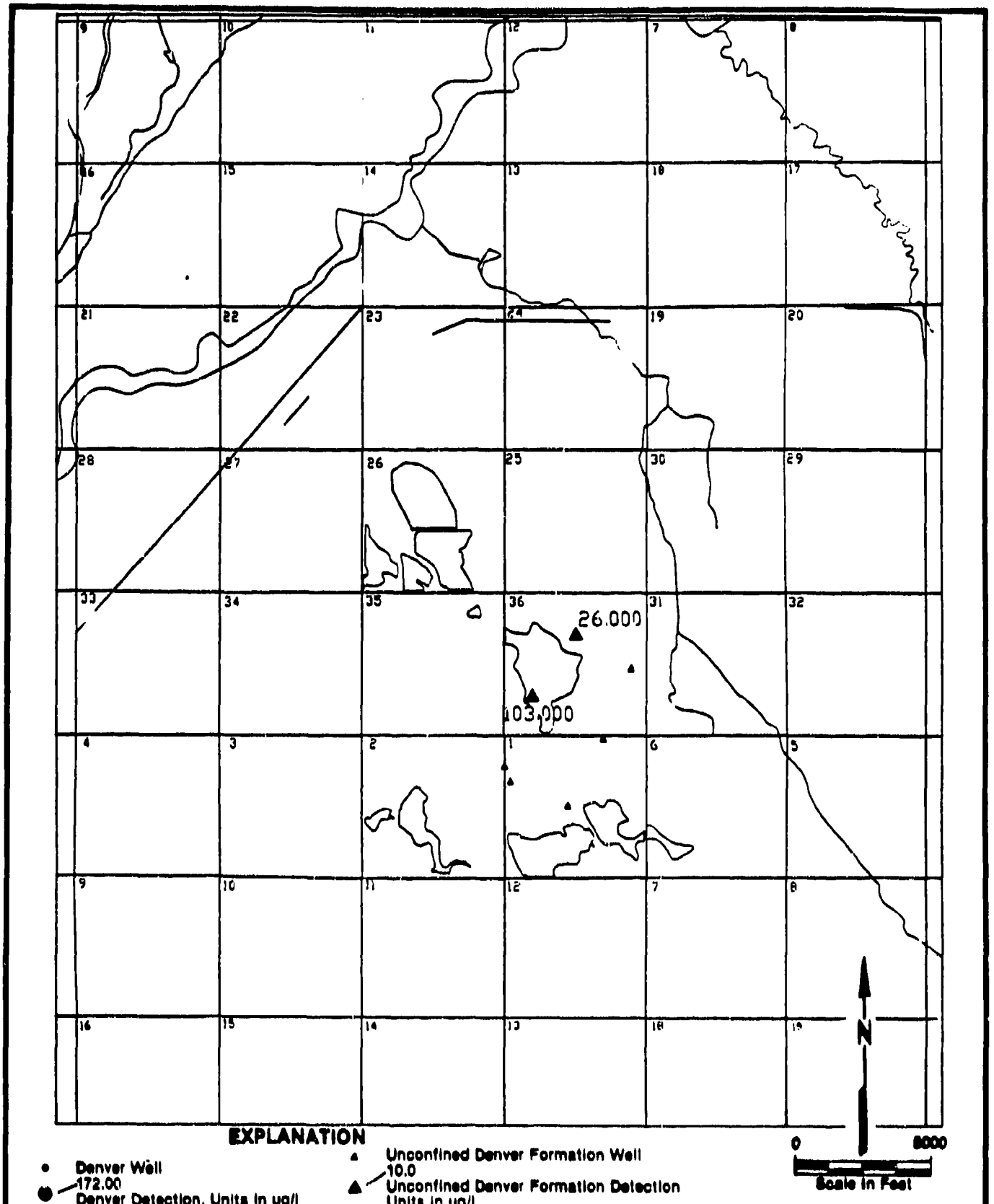


Figure D-162

ARSENIC DETECTIONS DENVER ZONE
VC/VCE, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

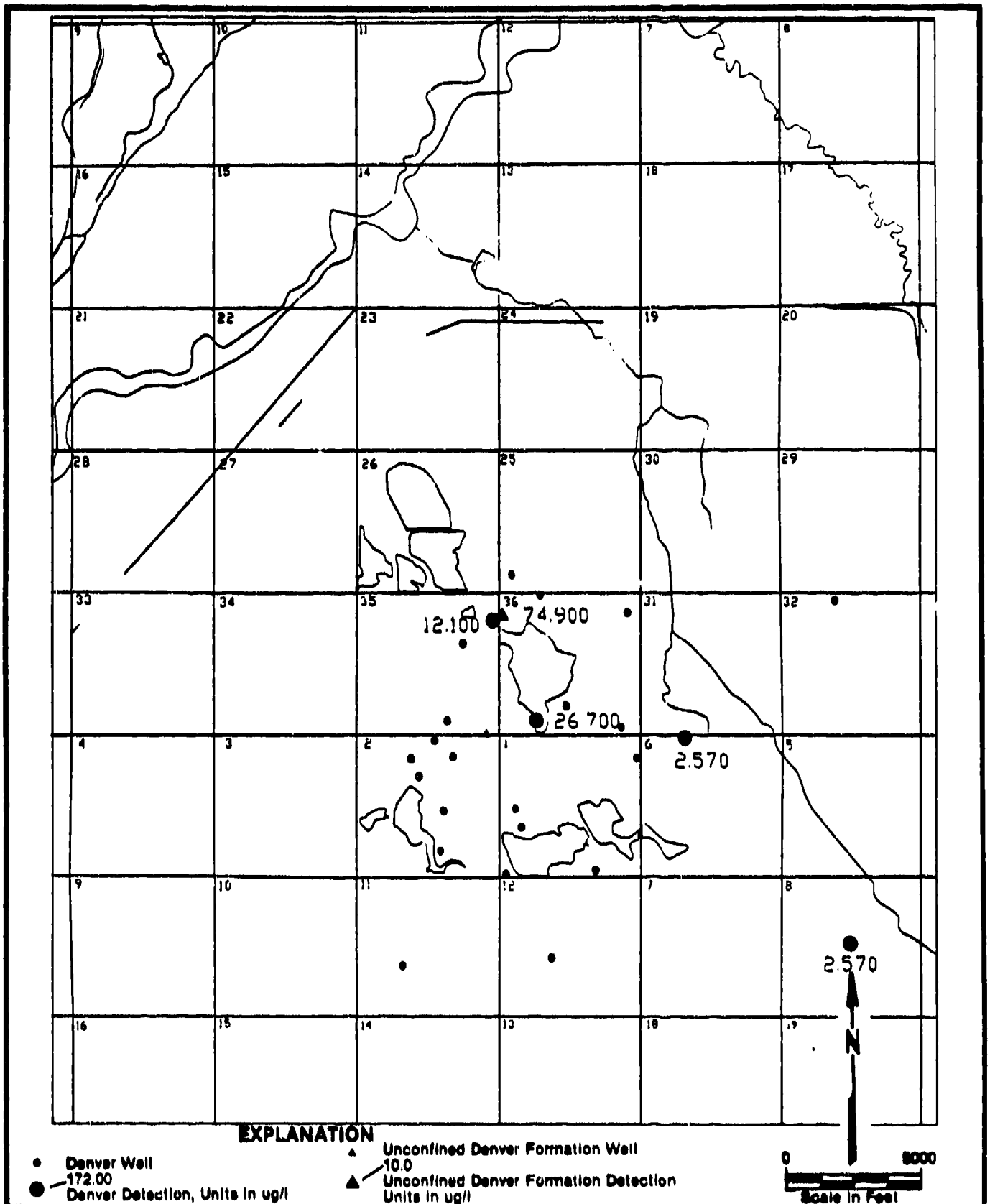
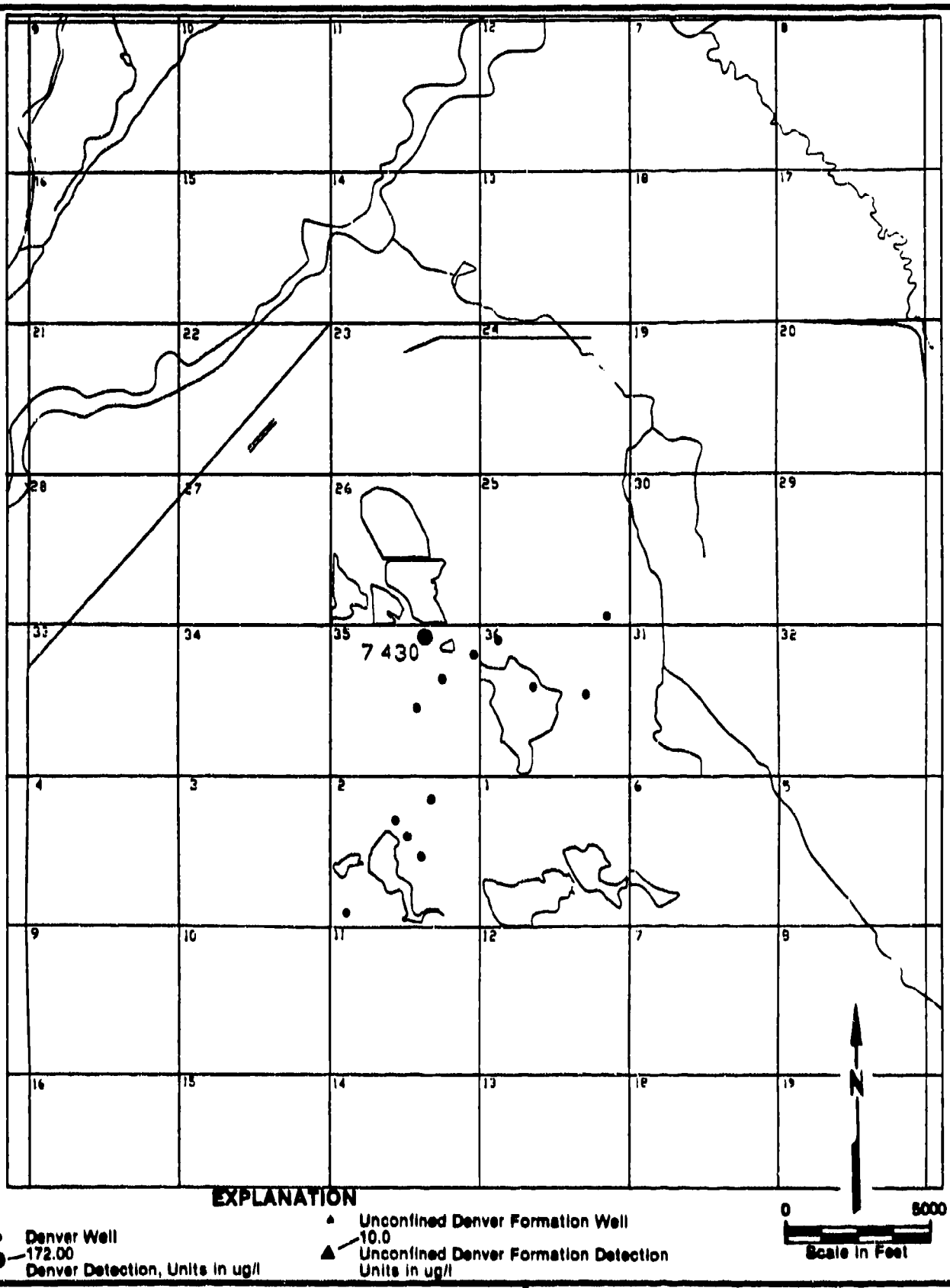


Figure D-163

ARSENIC DETECTIONS DENVER ZONE A, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland



EXPLANATION

- Denver Well
- 172.00 Denver Detection, Units in ug/l
- Unconfined Denver Formation Well
- 10.0 Unconfined Denver Formation Detection Units in ug/l

Figure D-164

ARSENIC DETECTIONS DENVER ZONE 1U, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

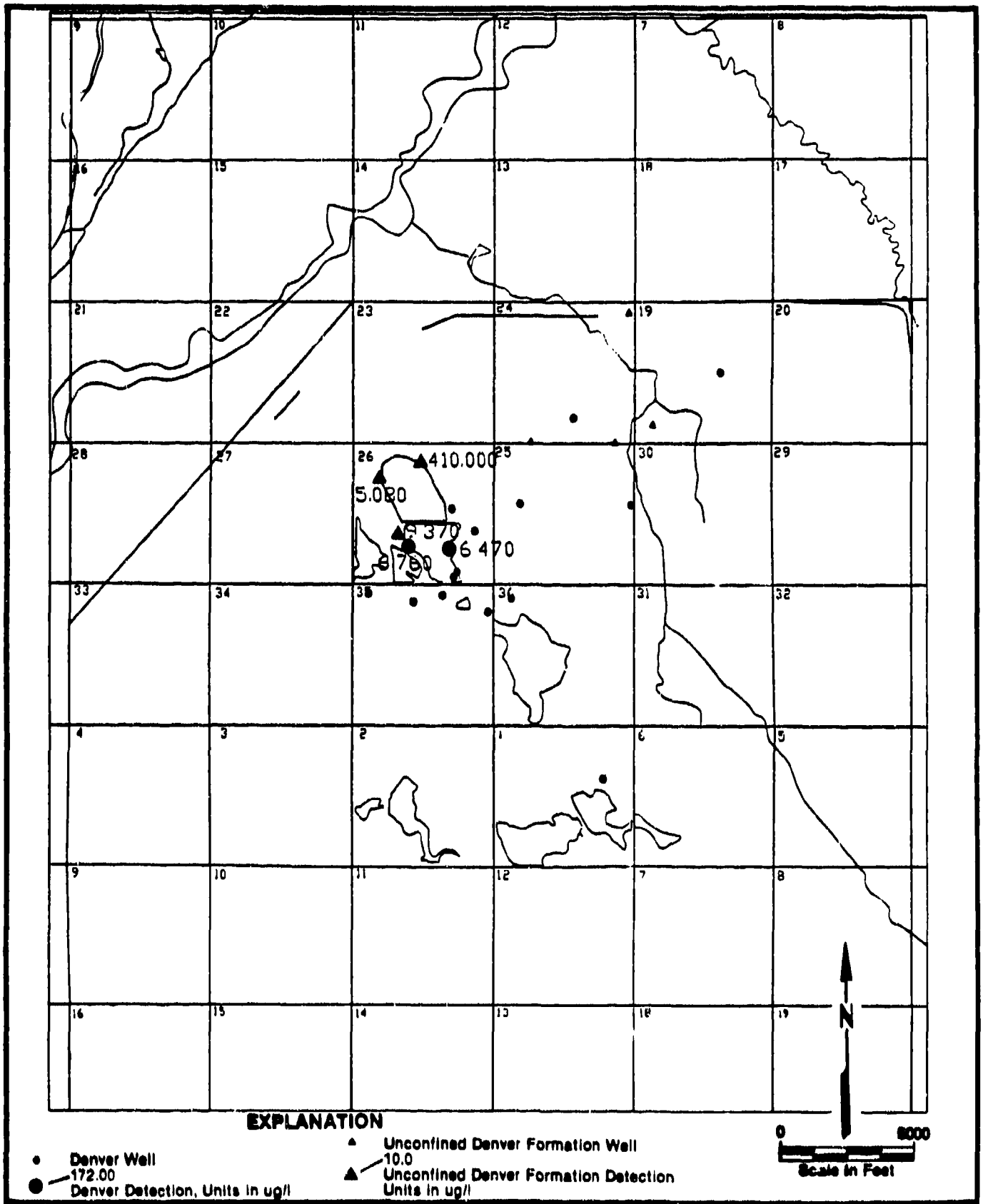


Figure D-165

ARSENIC DETECTIONS DENVER ZONE 1, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

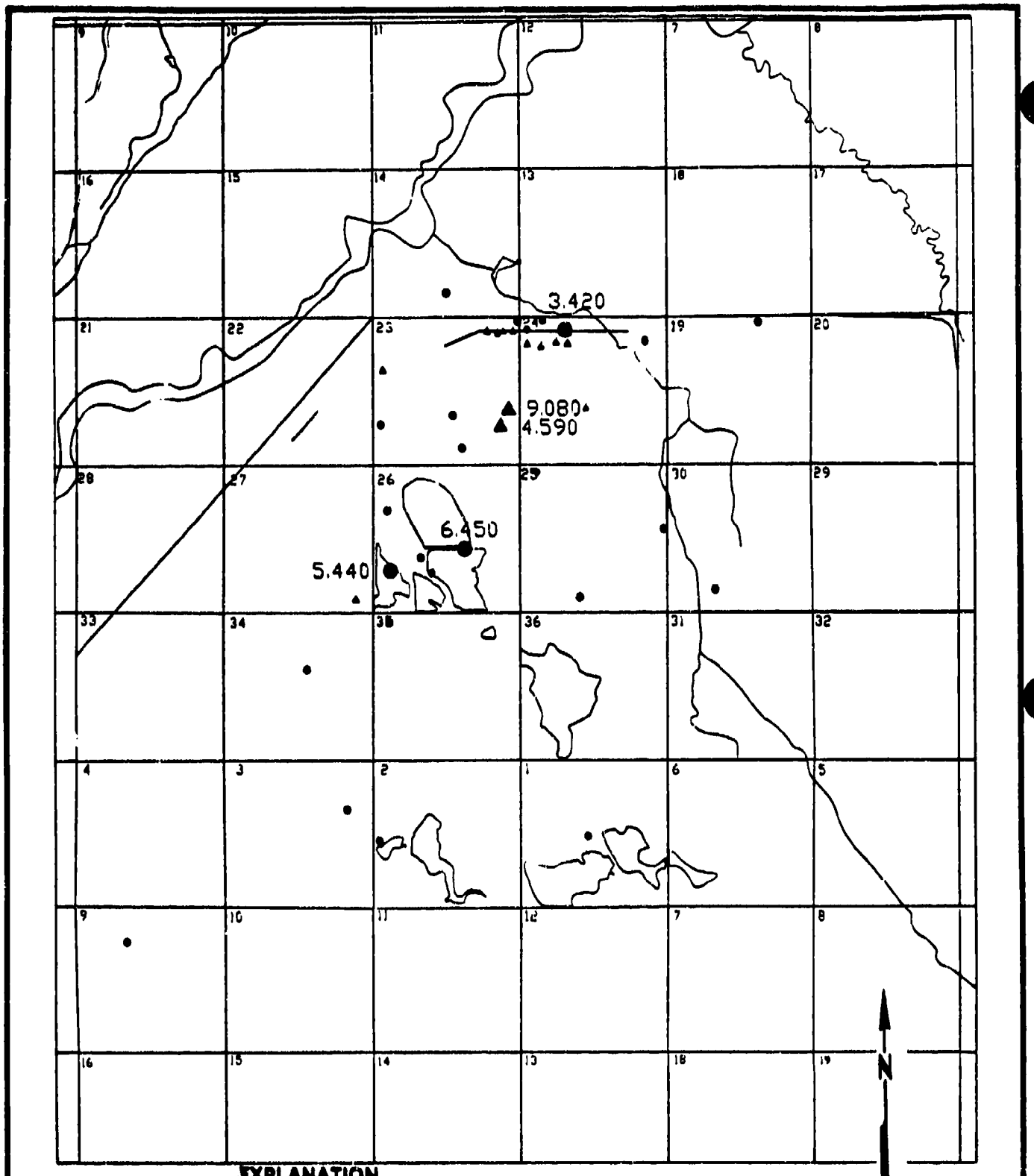


Figure D-166

ARSENIC DETECTIONS DENVER ZONE 2, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

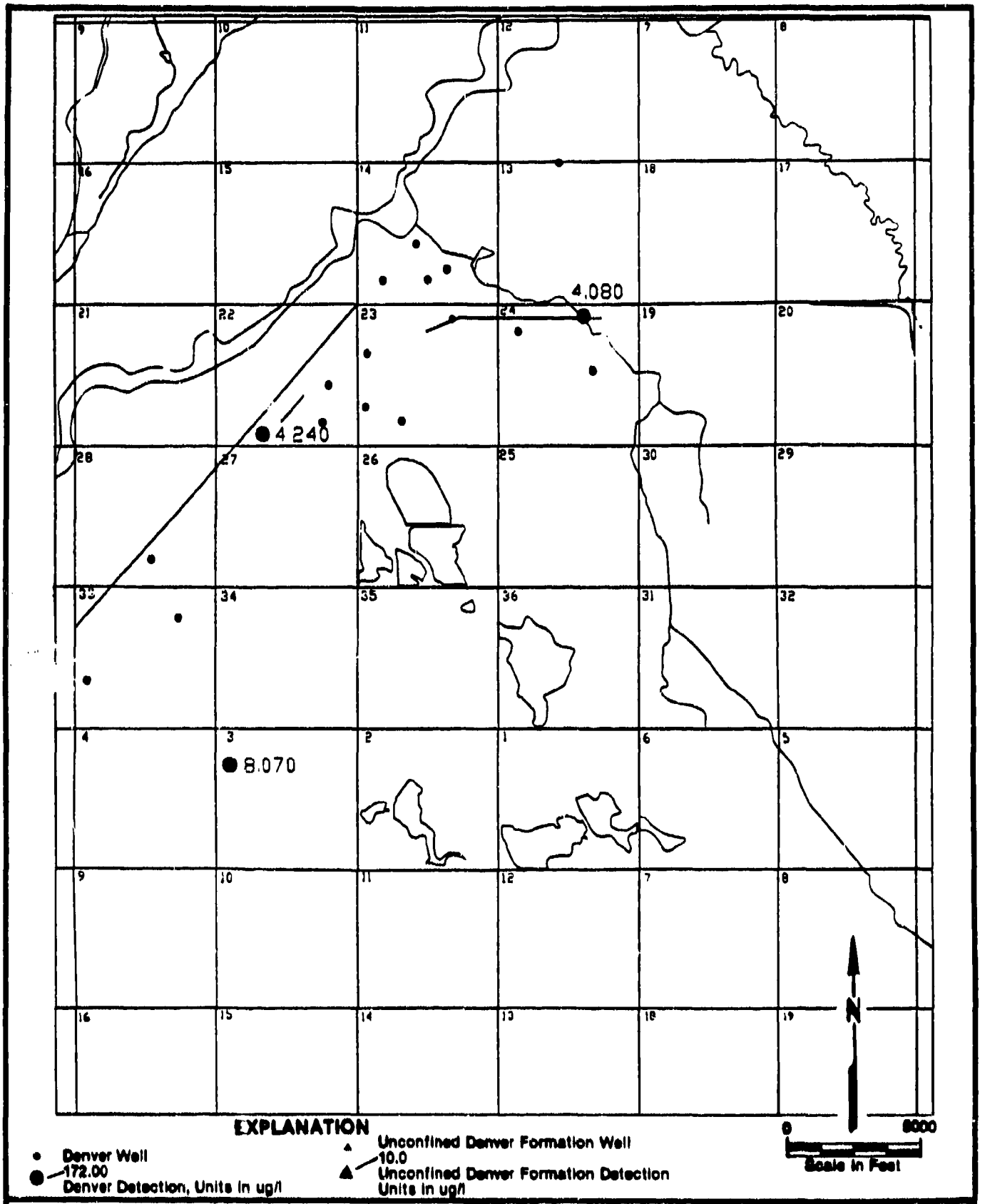


Figure D-167

ARSENIC DETECTIONS DENVER ZONE 4, 3RD QUARTER, FY 1987

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal
Aberdeen Proving Ground, Maryland

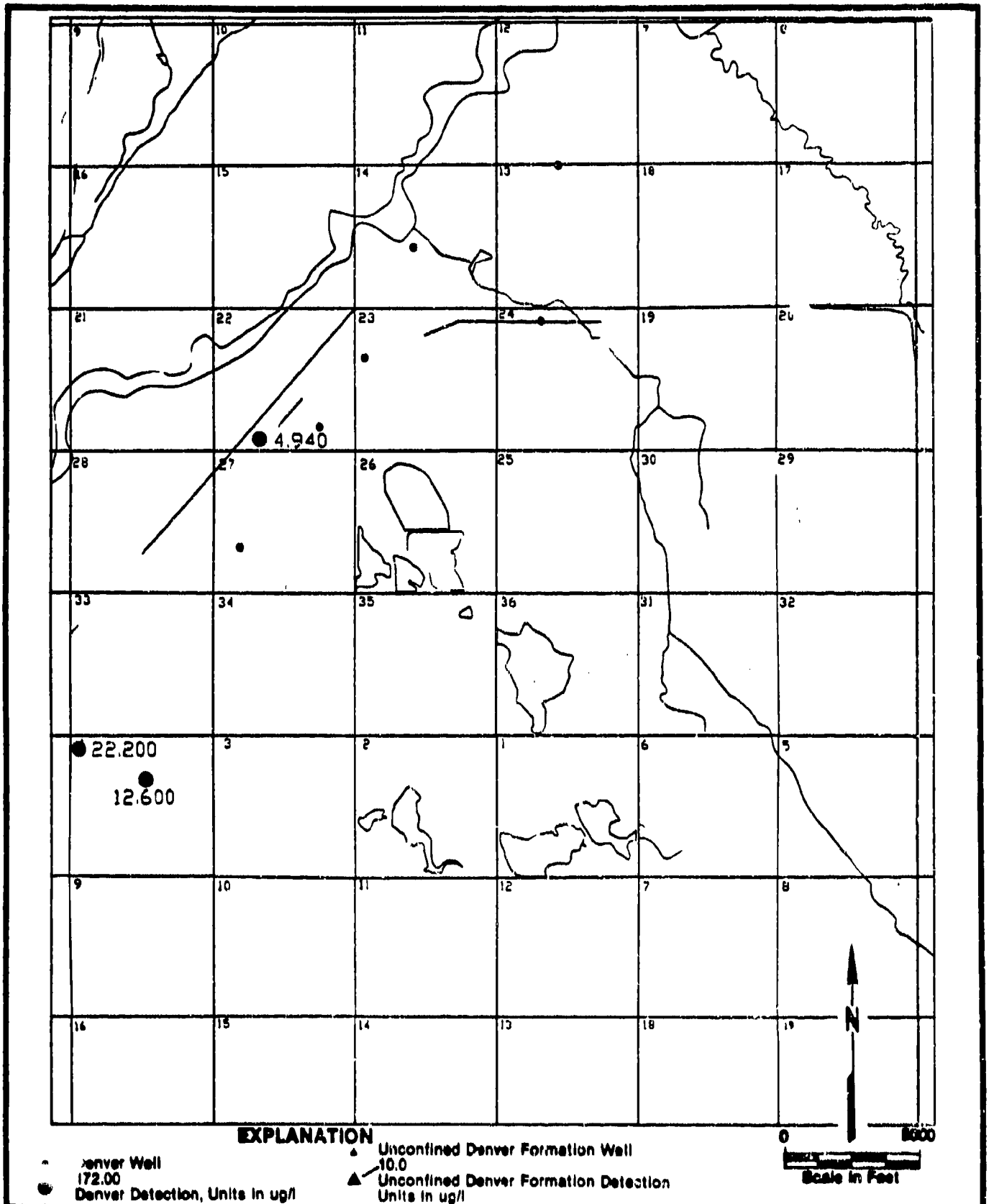


Figure D-168

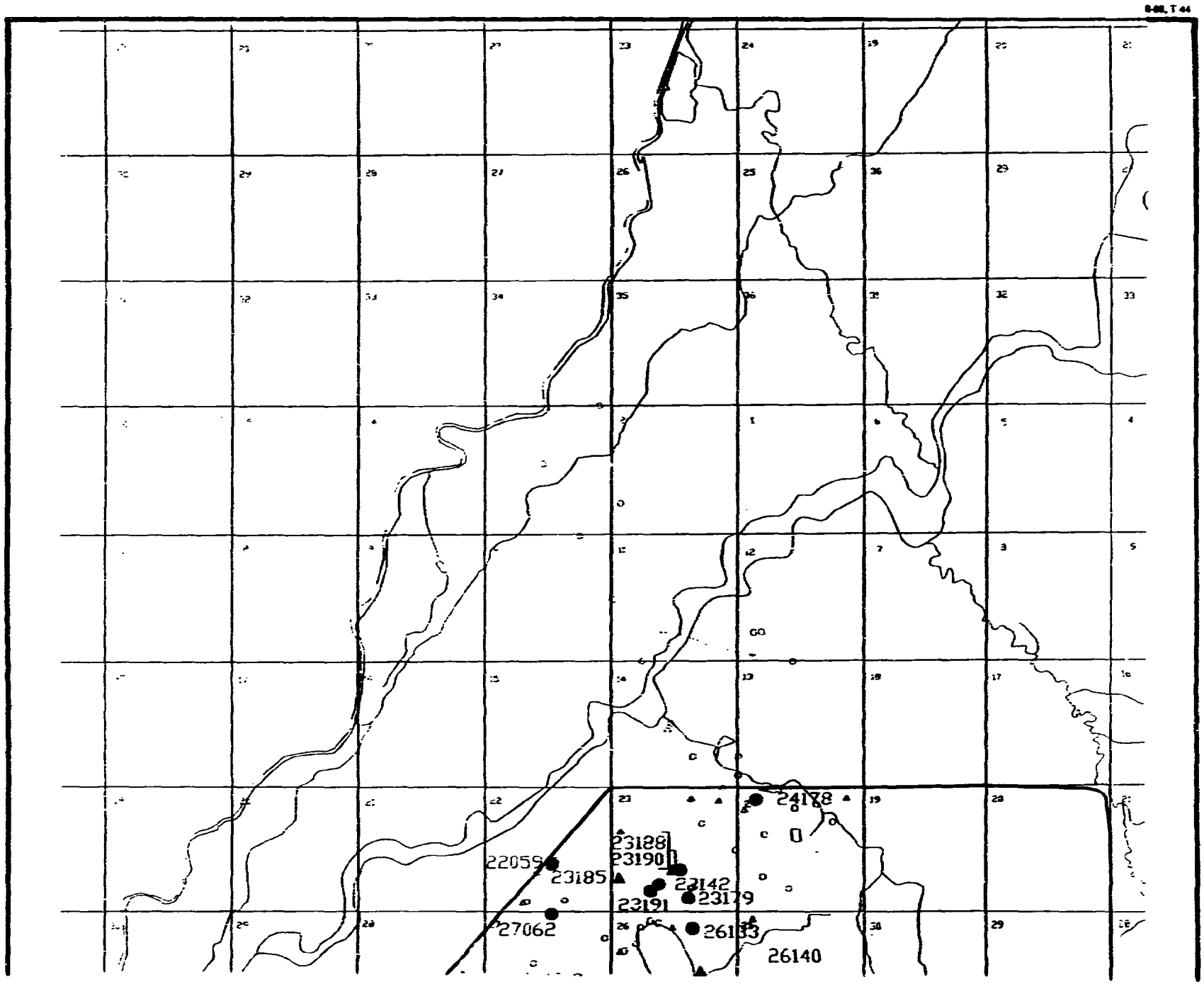
ARSENIC DETECTIONS DENVER ZONE 5, 3RD QUARTER, FY 1987

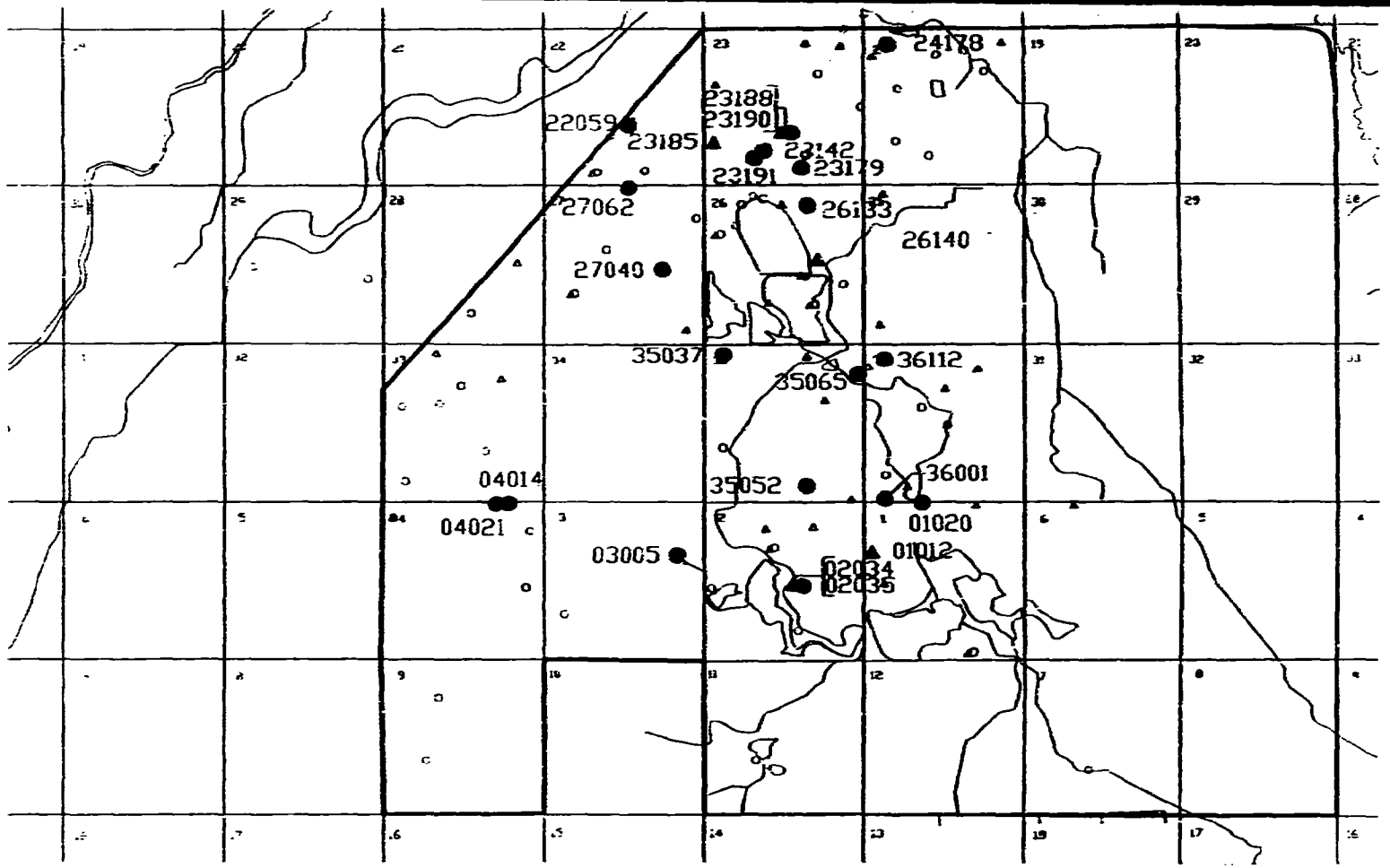
SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

APPENDIX D.6: TASK 4/44 GC/MS ANALYSIS
NETWORK DETECTION (D-169 TO D-188)


24178
23128
23190
22059
23185
22142
23179
23191
27062
26133
26140



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

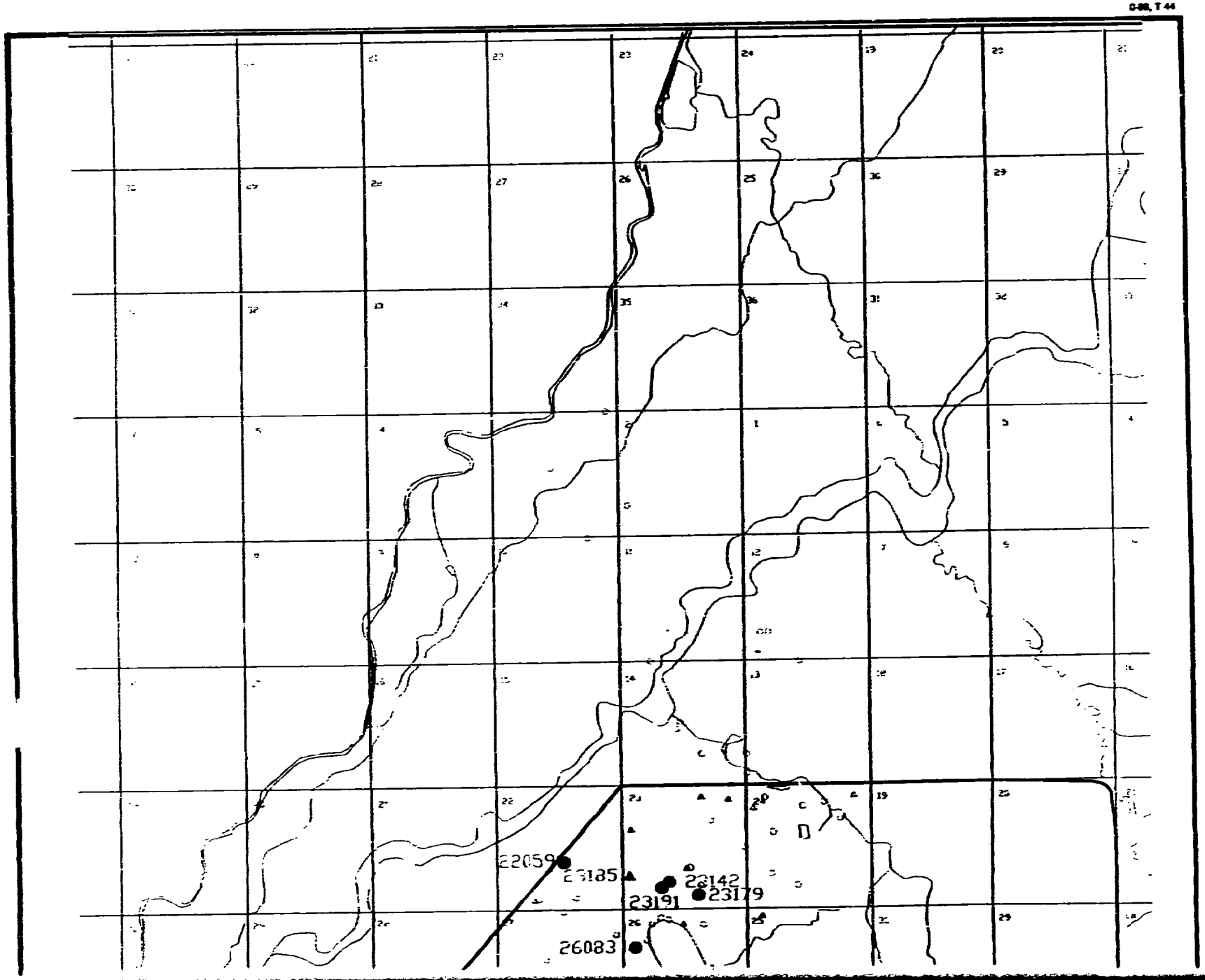
Figure D-169

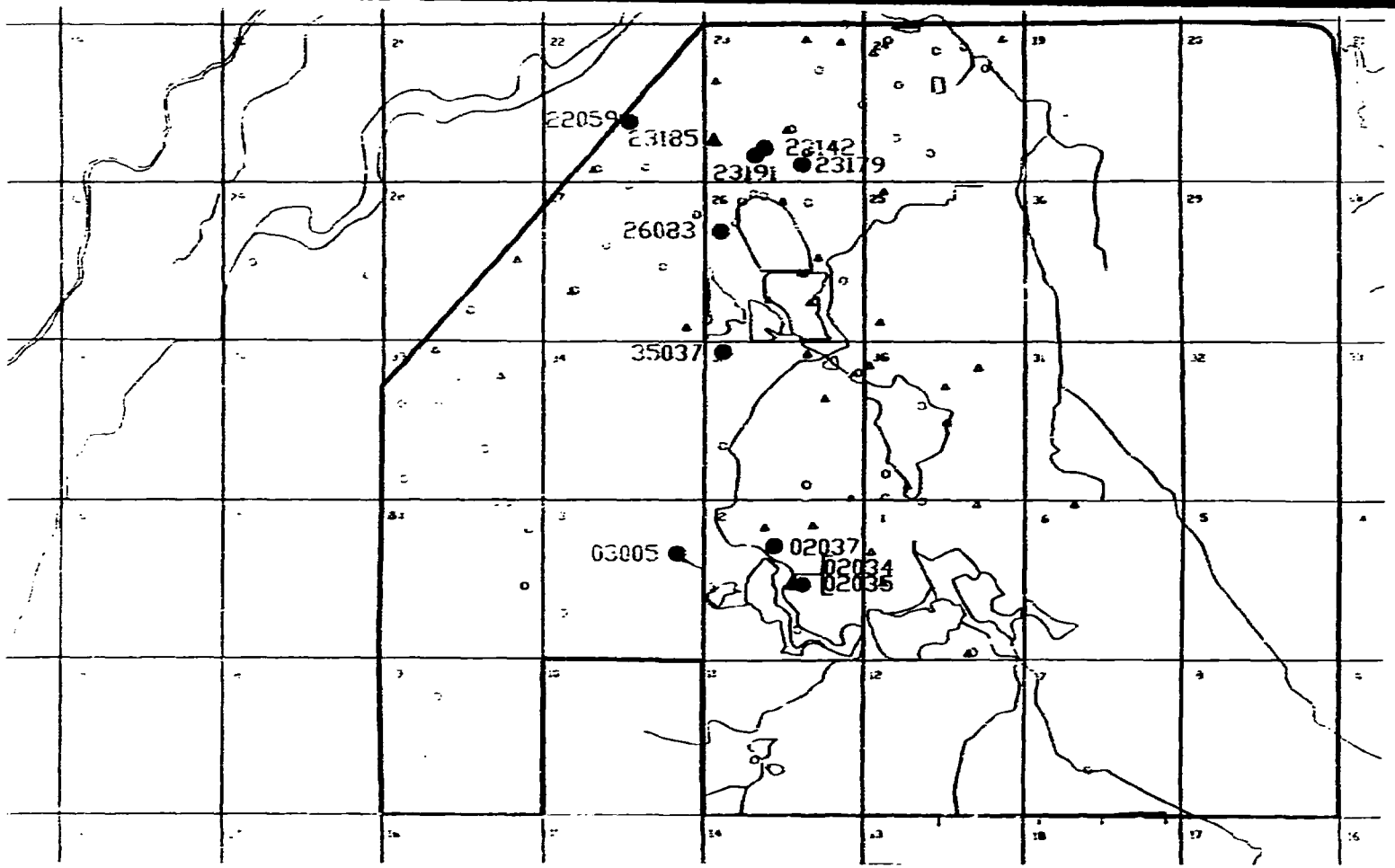
TASK 4/44 GC/MS ANALYSIS NETWORK, 1,1,2,2-TETRACHLOROETHANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


22059
23185
23142
23191
23179
26083



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale In Feet

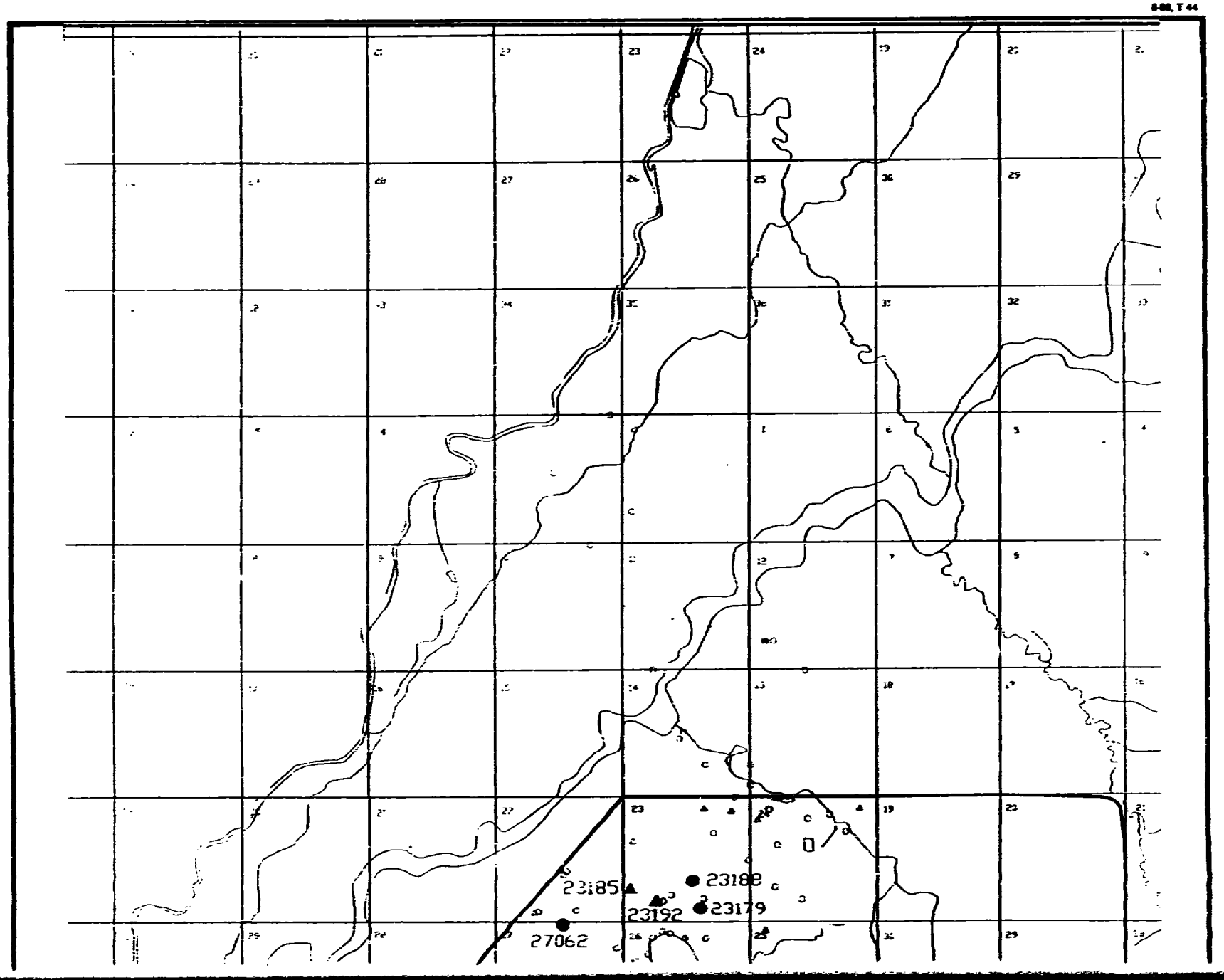
Figure D-170

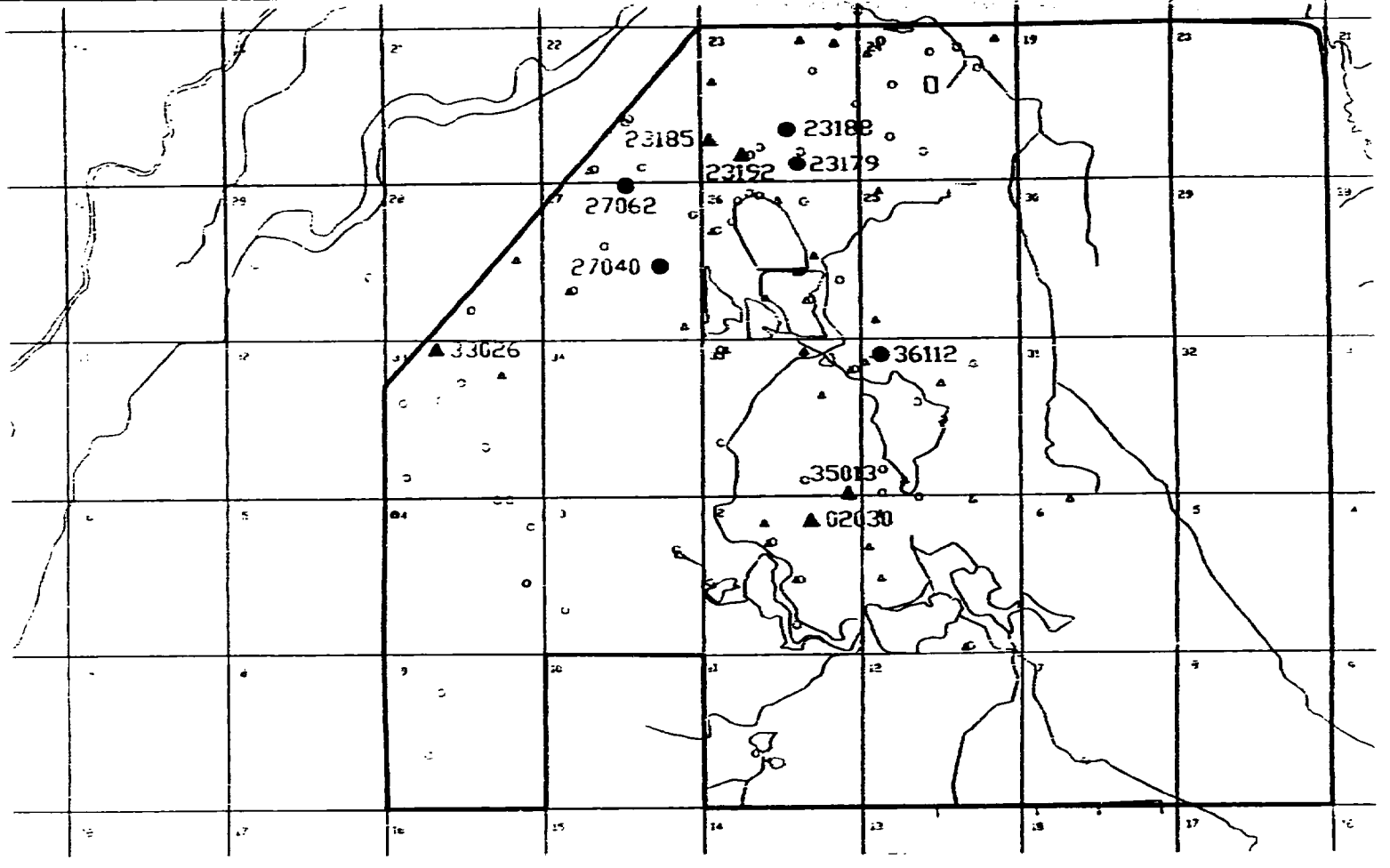
TASK 4/44 GC/MS ANALYSIS NETWORK, 1,1,2-TRICHLOROETHANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


23185
23188
23192
23179
27062



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

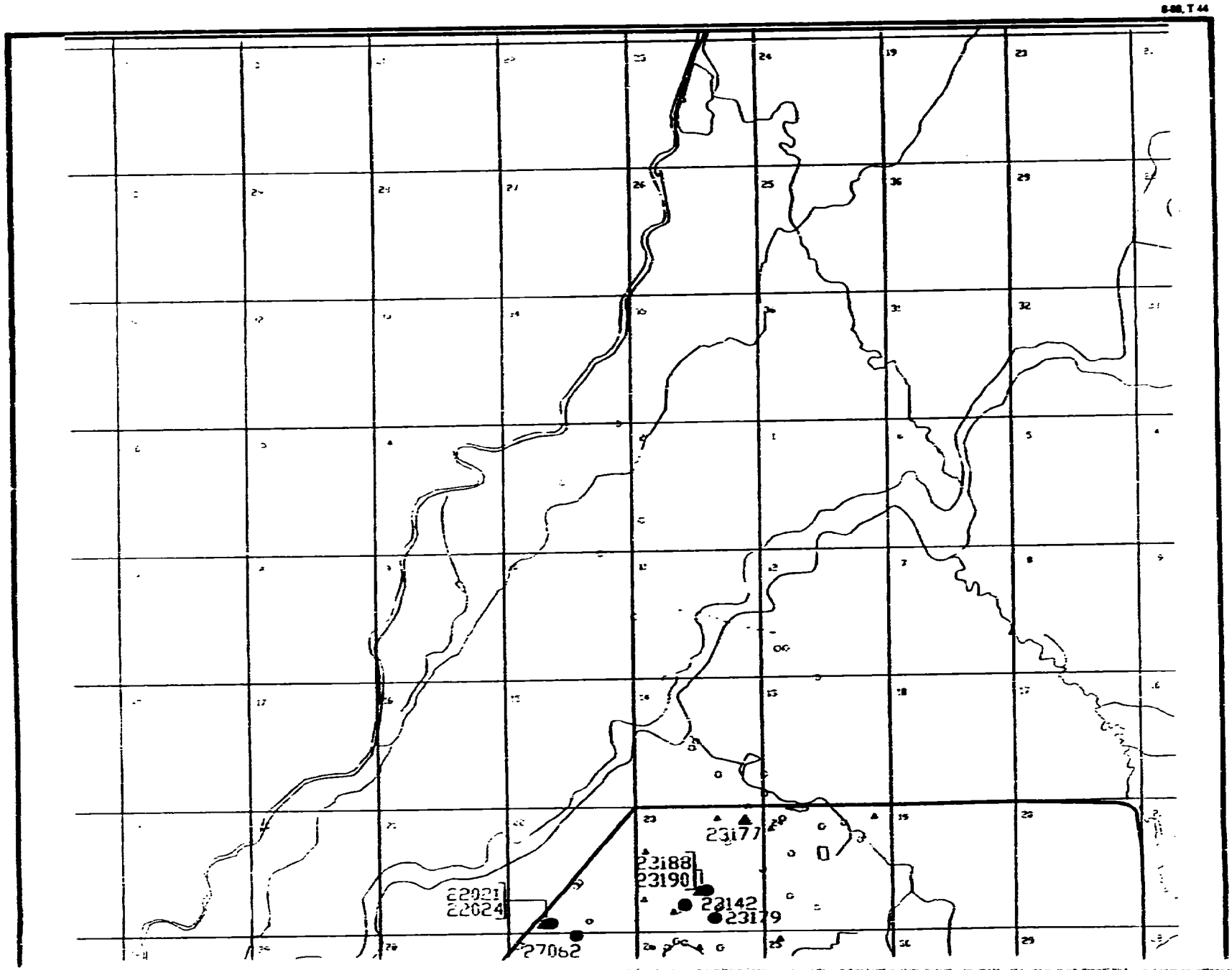
Figure D-171

TASK 4/44 GC/MS ANALYSIS NETWORK, 2,6,10,14-TETRAMETHYLHEXADECANE DETECTIONS

SOURCE: Hunter/ESE, 1986

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


23177
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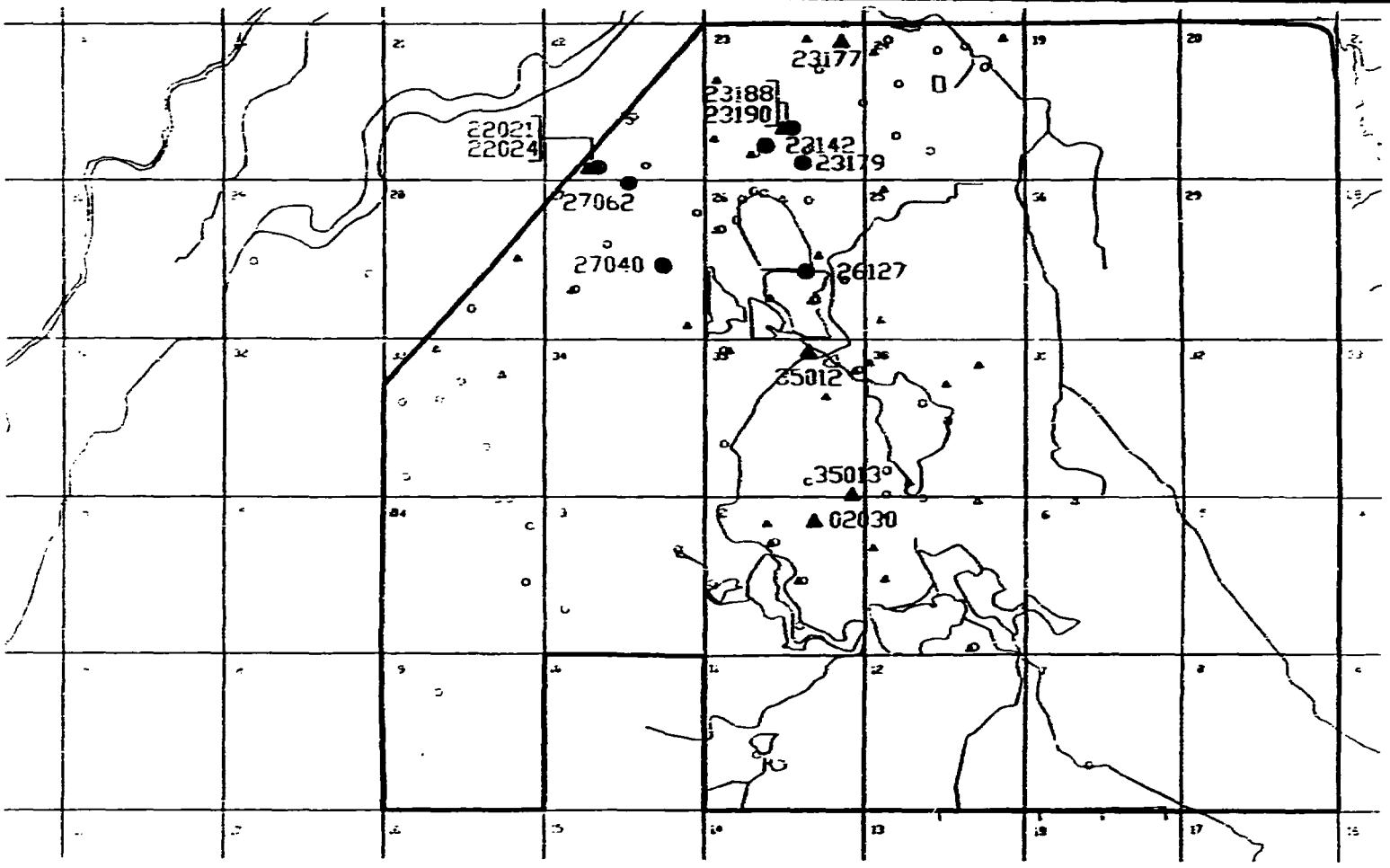
23190
23142
23179
22021
22024
27062



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

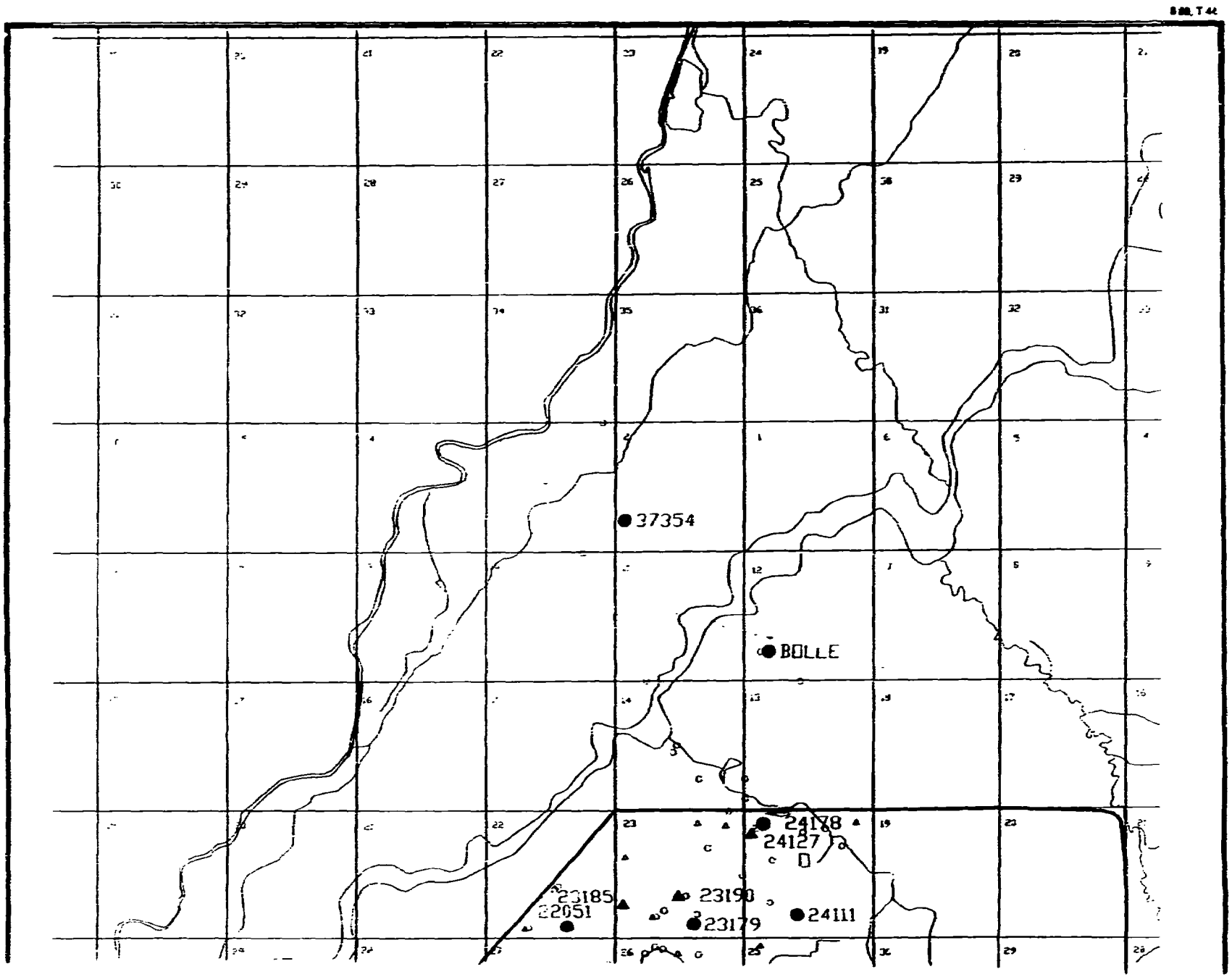
Figure D-172

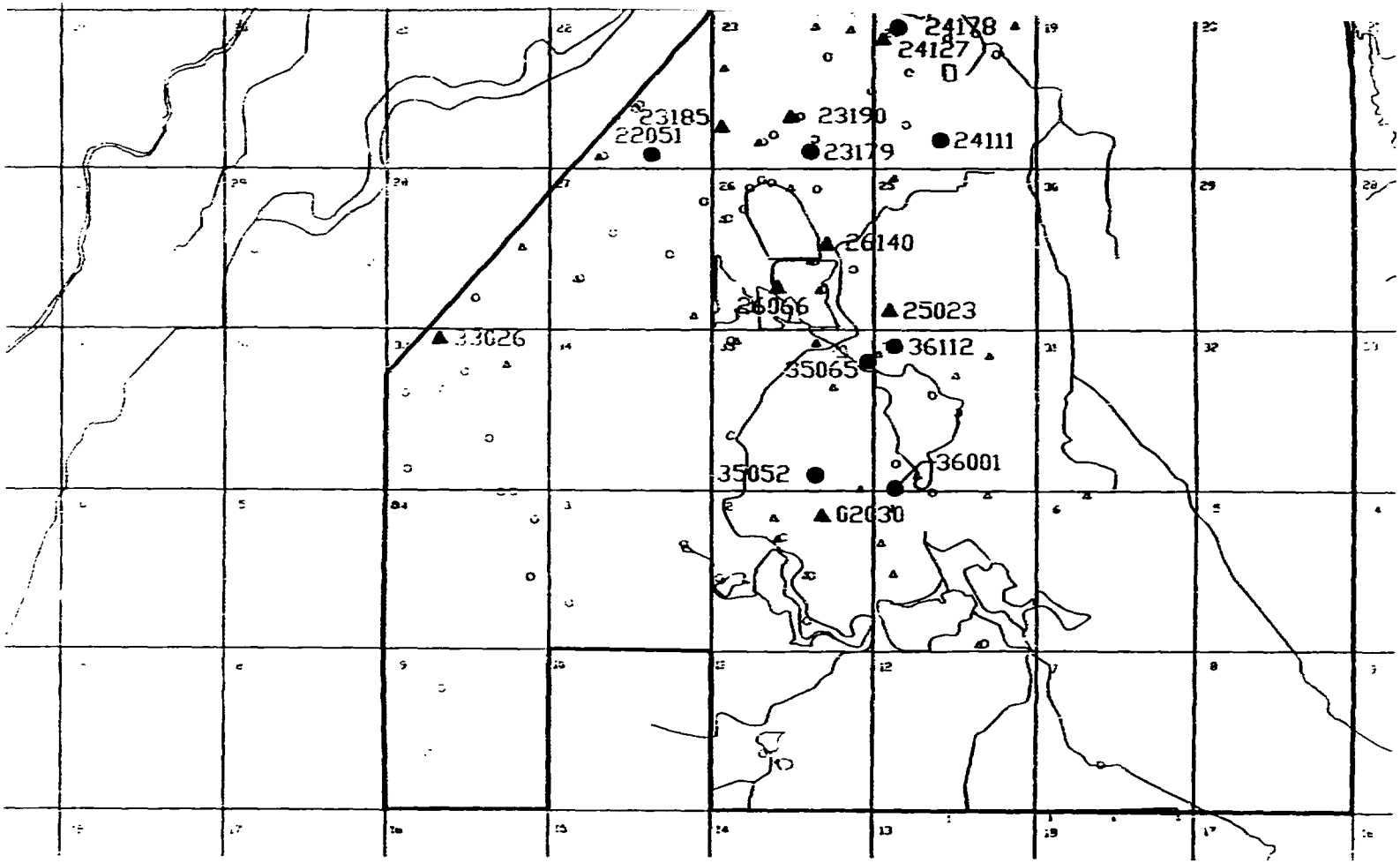
TASK 4/44 GC/MS ANALYSIS NETWORK, 2,6,10-TRIMETHYLPENTADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


37354
BOLLE
24178
24127
23185
22051
23190
23179
24111



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

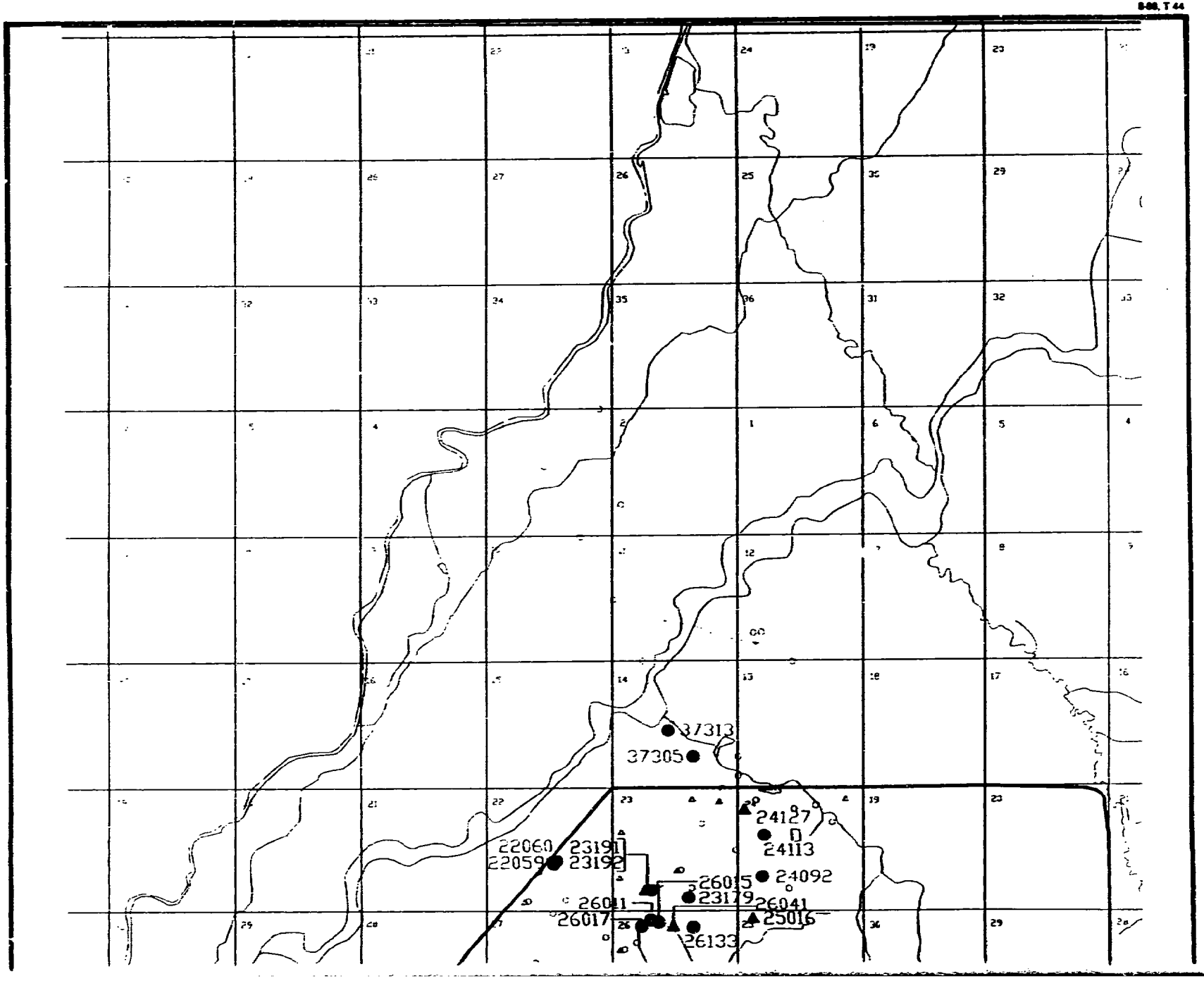
Figure D-173

TASK 4/44 GC/MS ANALYSIS NETWORK, BIS(2-ETHYLHEXYL) PHTHALATE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


37313
37305
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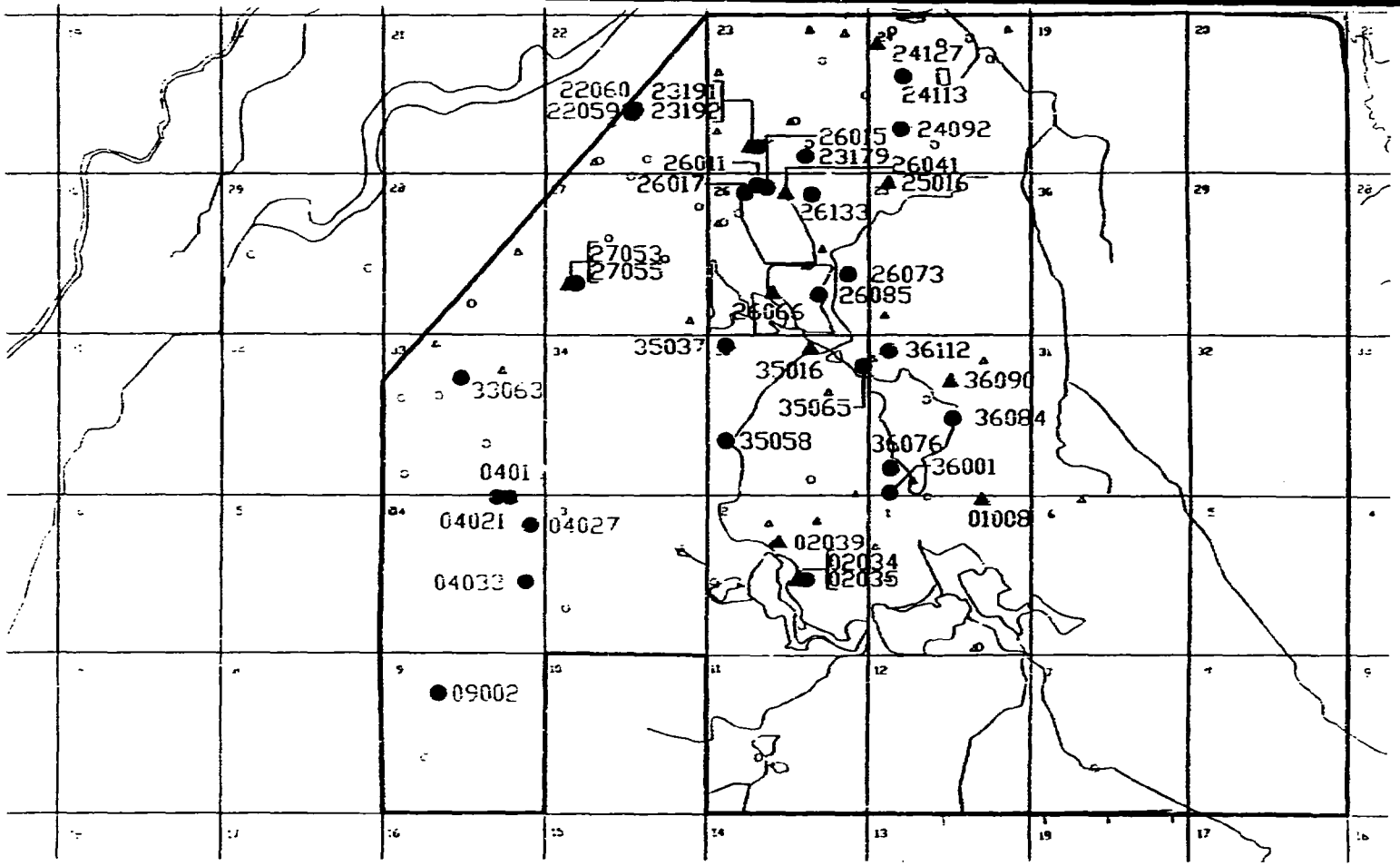
24113
22060
23191
22059
23192
26015
24092
23179
26041
26011
26017
25016
26133



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

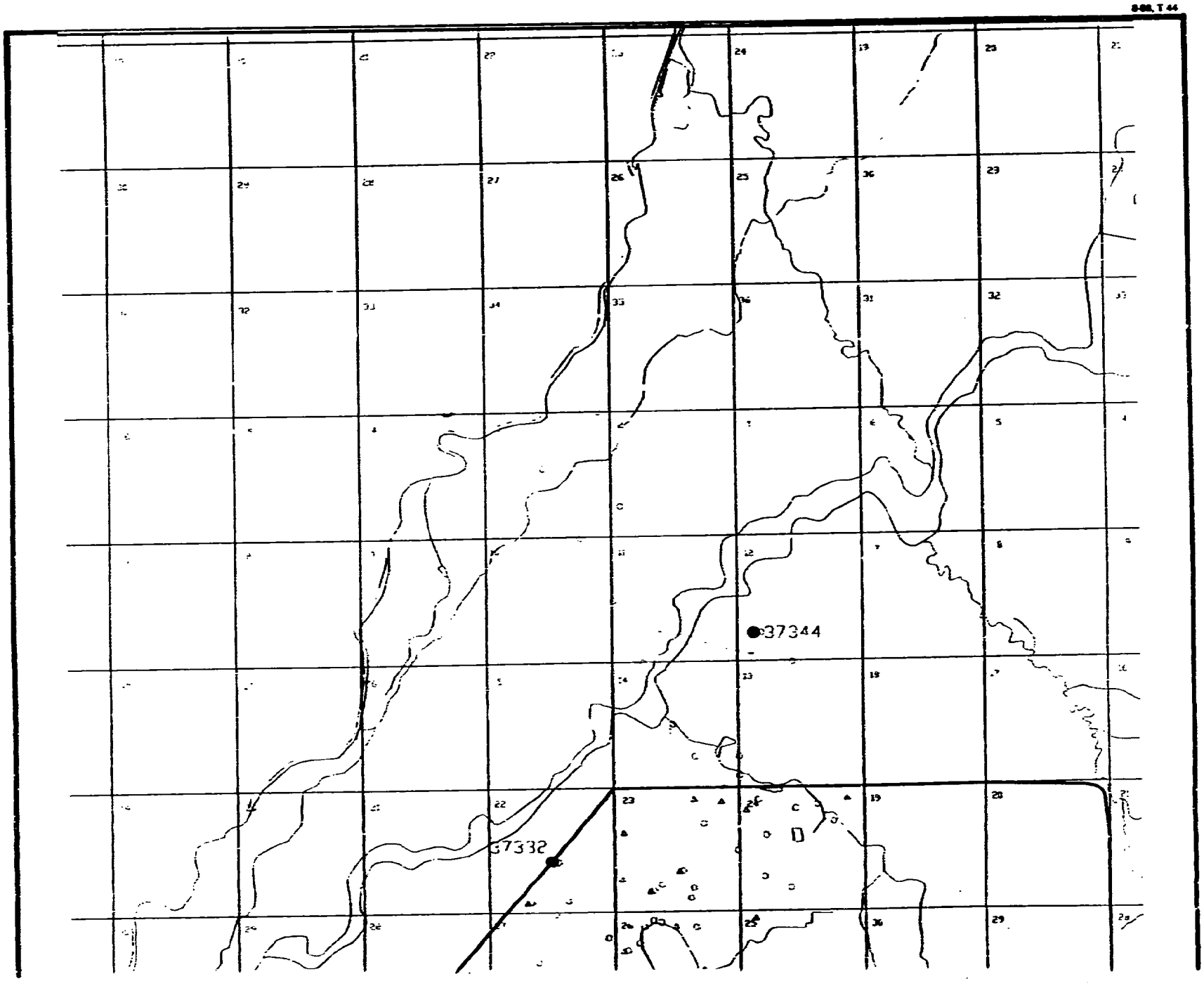
Figure D-174

TASK 4/44 GC/MS ANALYSIS NETWORK, CAPROLACTAM DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland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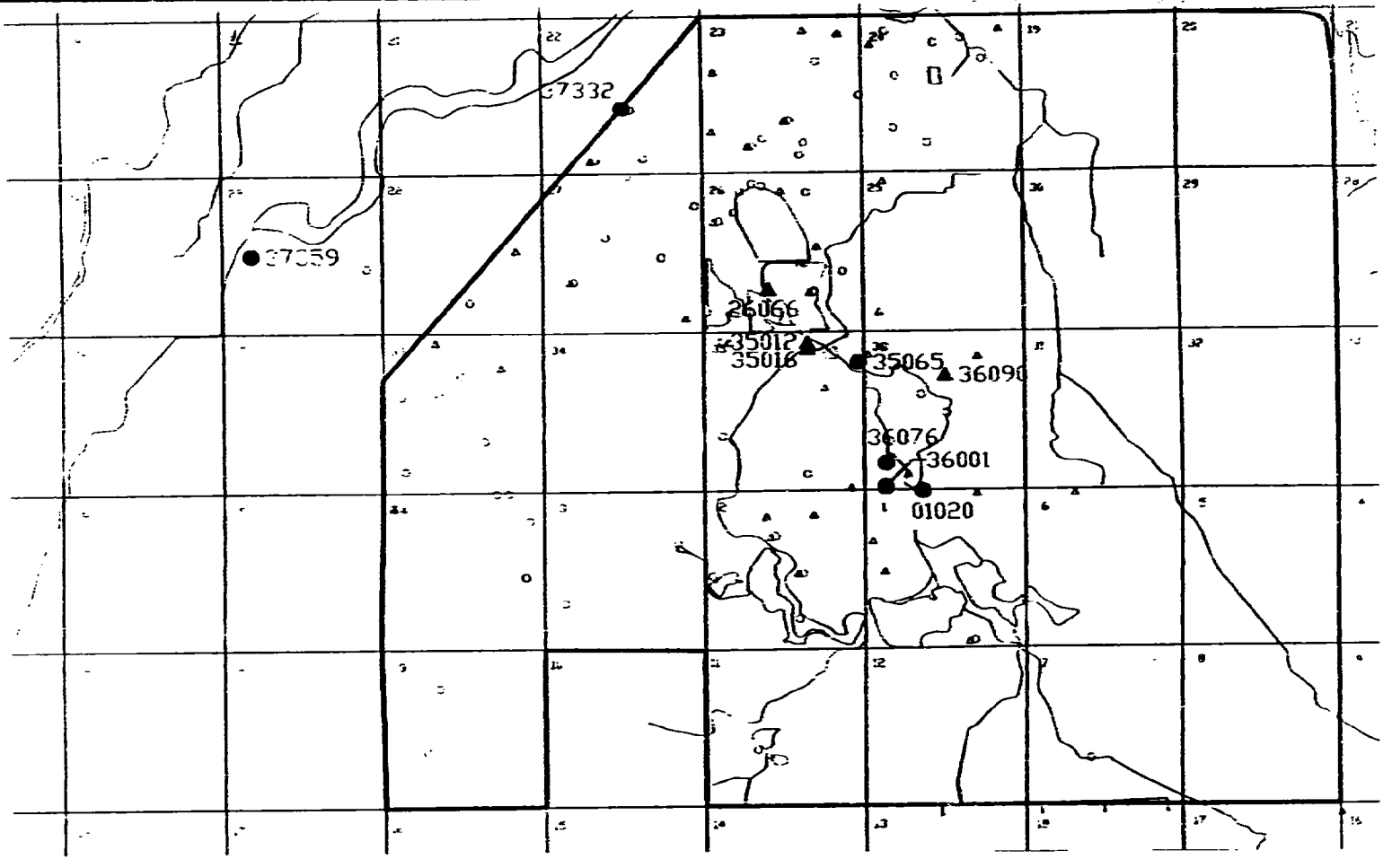


EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

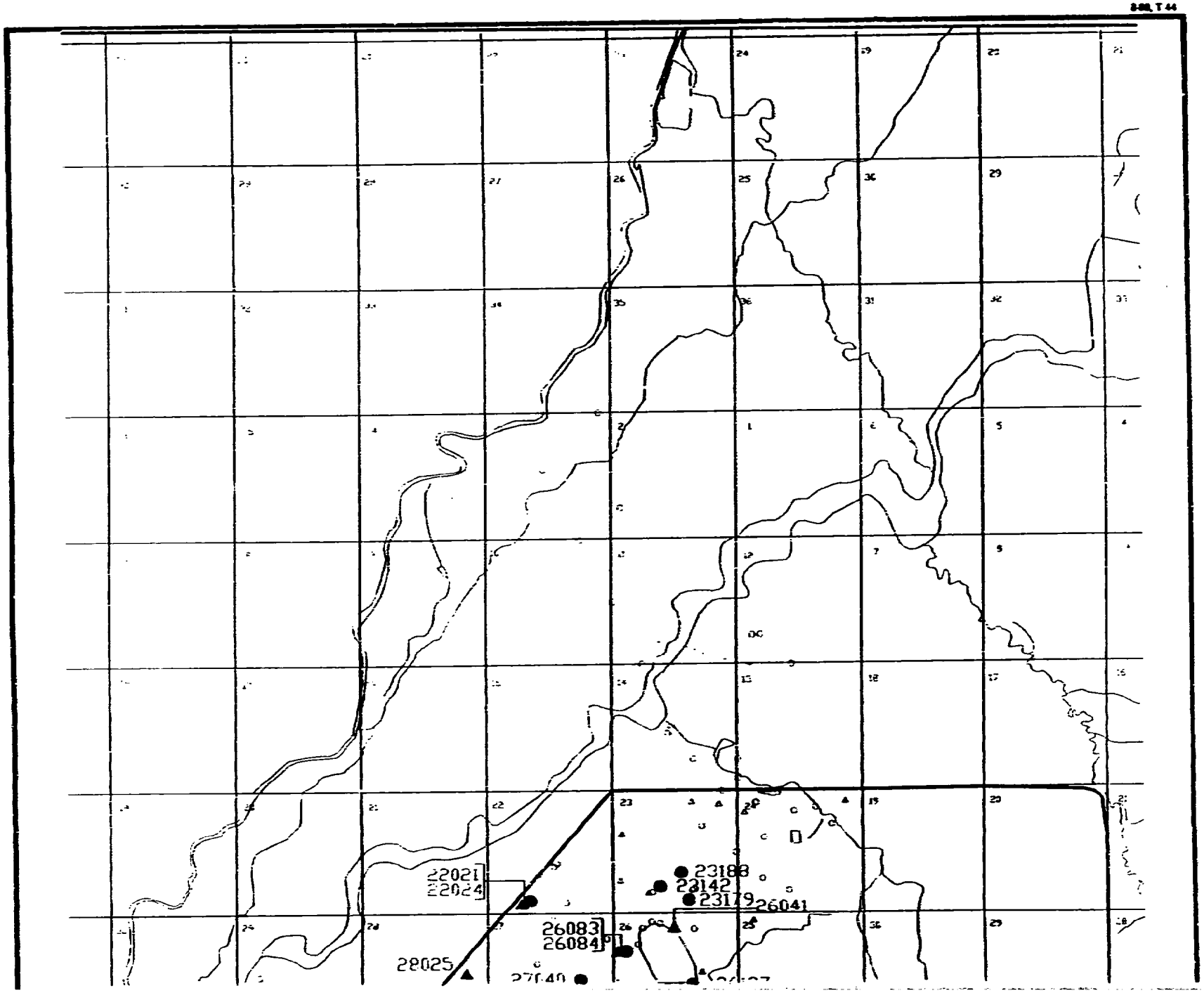
Figure D-175

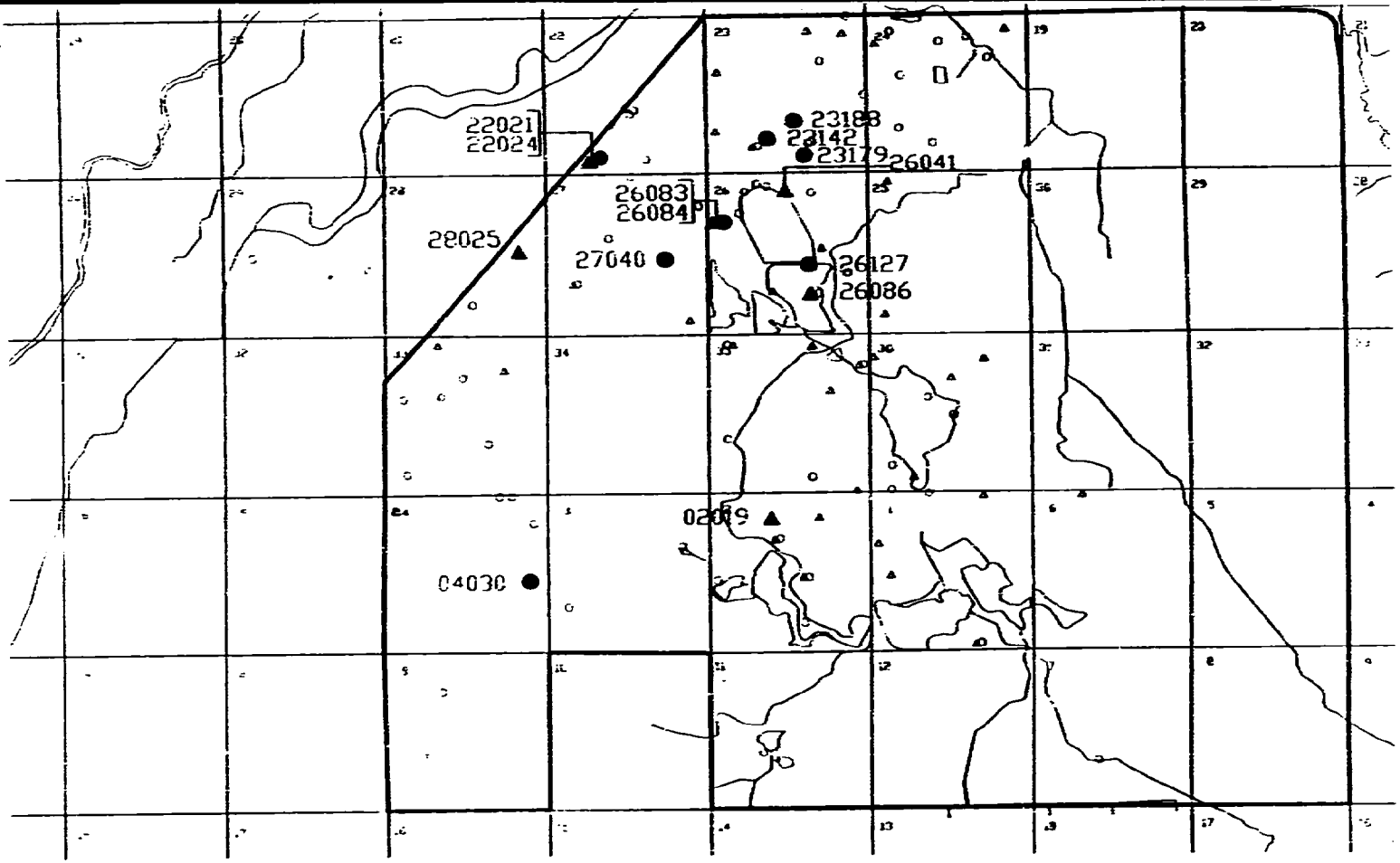
TASK 4/44 GC/MS ANALYSIS NETWORK, CHLOROBENZENE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


22021
22024
23188
23142
23179
26041
26083
26084
28025



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

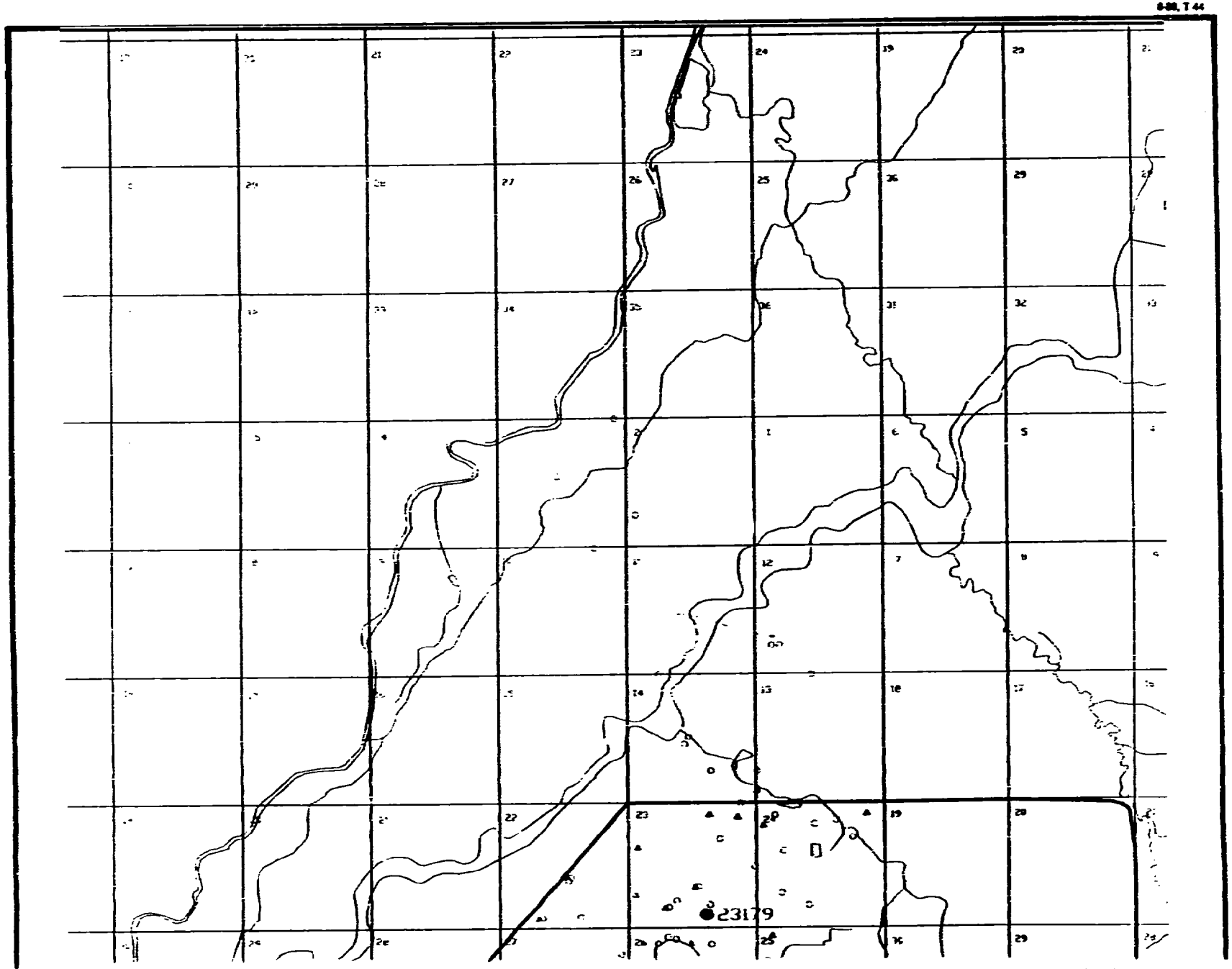
Scale In Feet

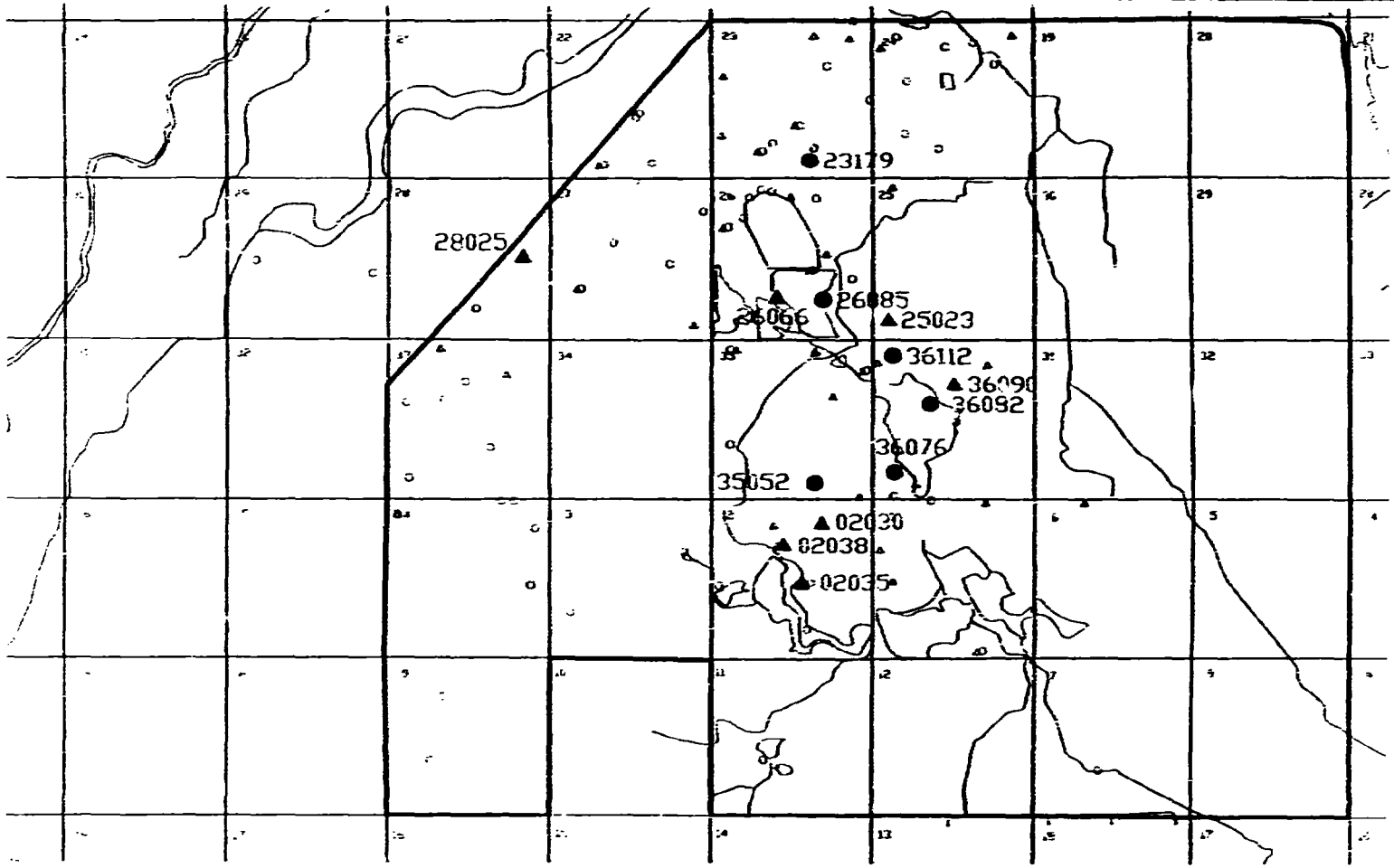
Figure D-176
TASK 4/44 GC/MS ANALYSIS NETWORK, CYCLOPENTANONE DETECTIONS

SOURCE: Hunter/ESE, 1983

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


23179



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

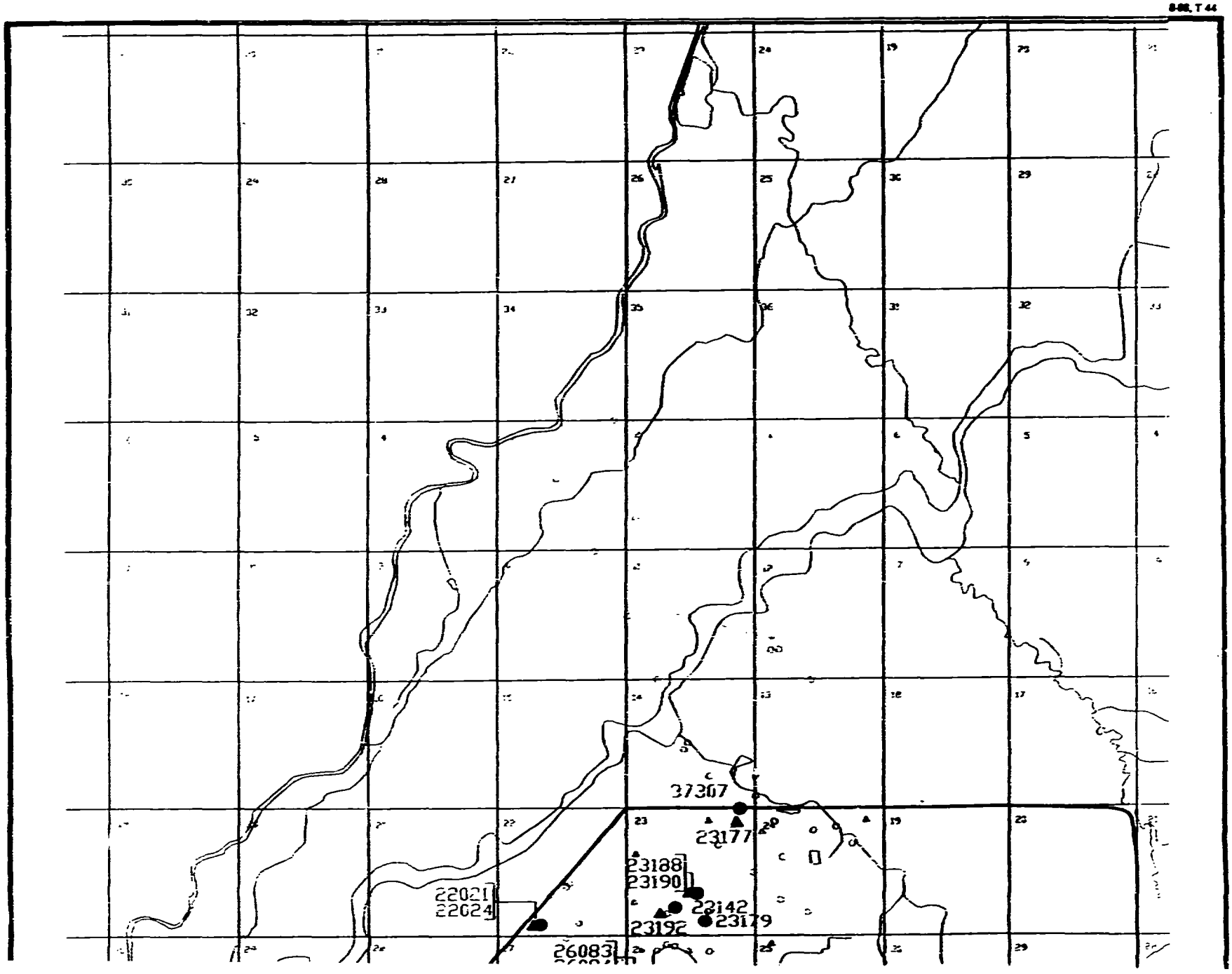
Figure D-177

TASK 4/44 GC/MS ANALYSIS NETWORK, HEXADECANOIC ACID DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


37307
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23190
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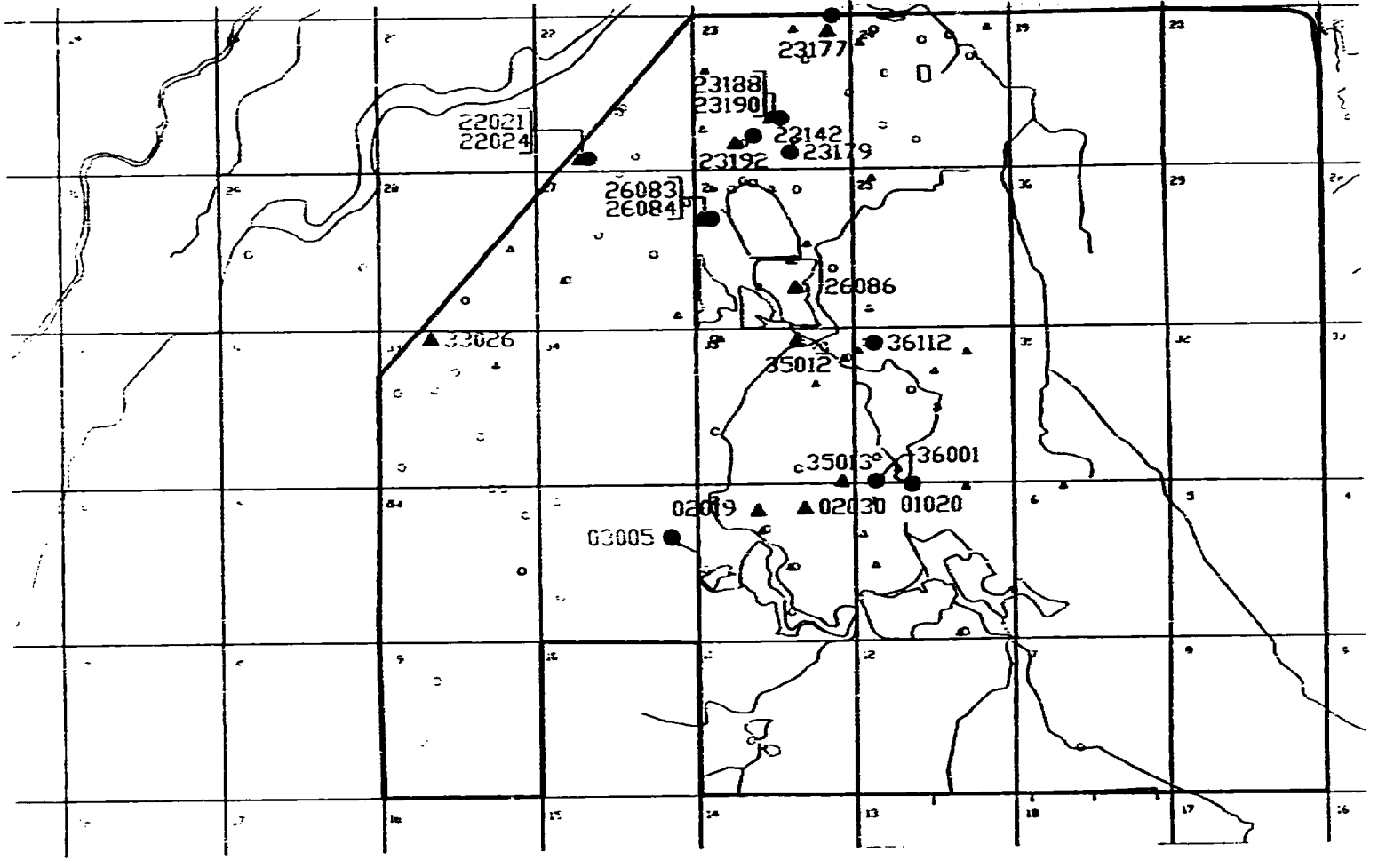
23192
26083



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

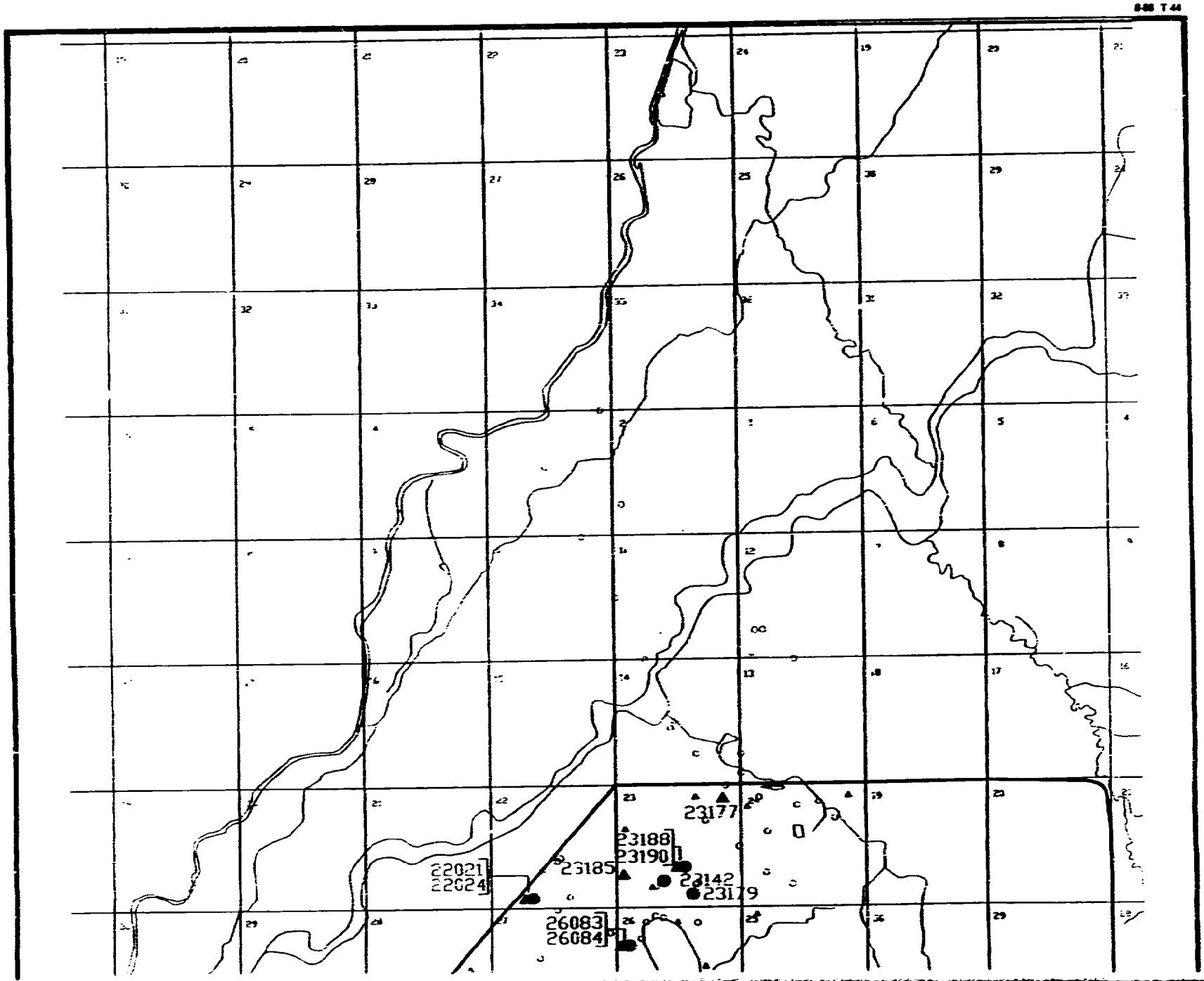
Figure D-178

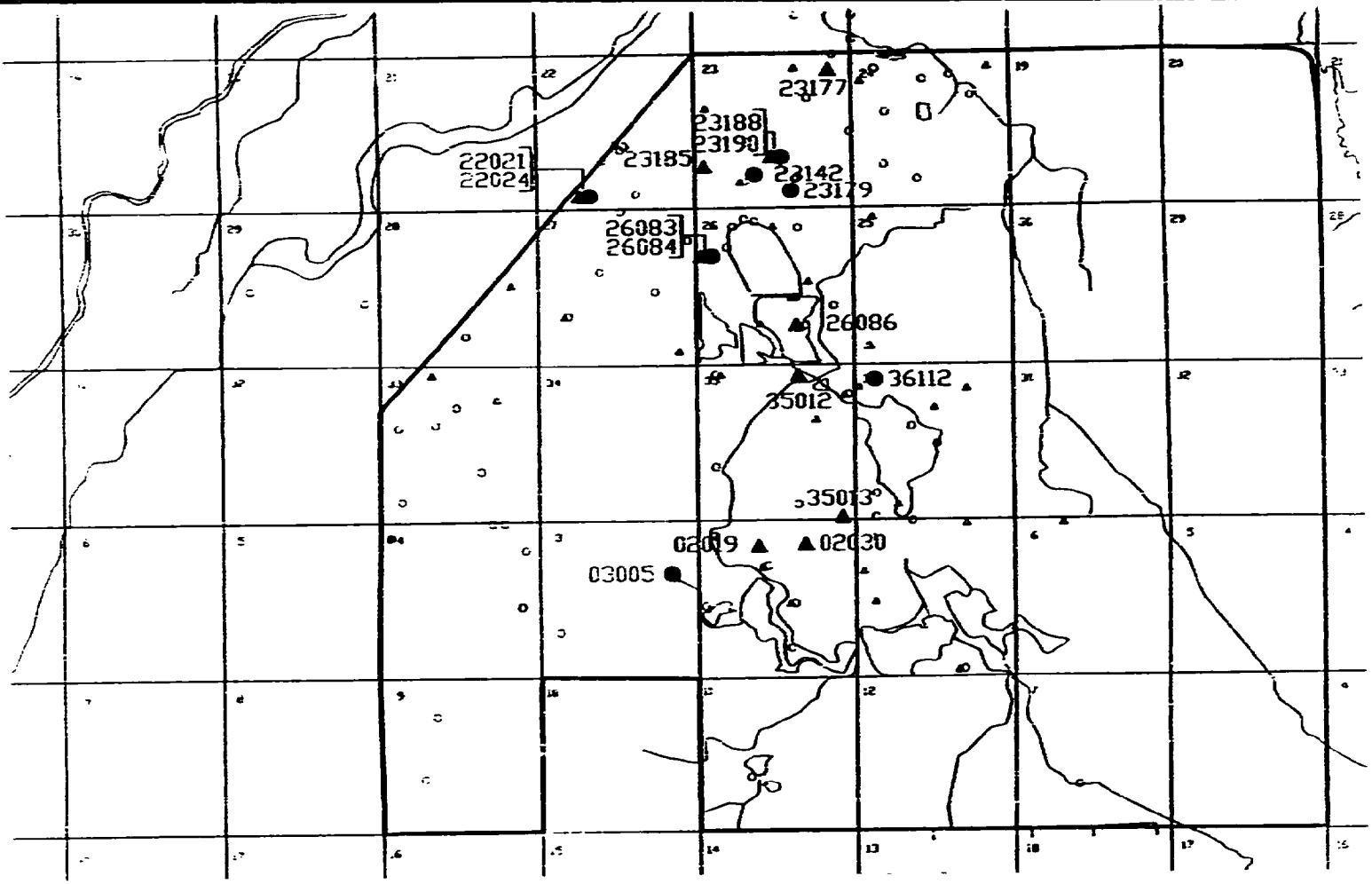
TASK 4/44 GC/MS ANALYSIS NETWORK, N-EICOSANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


23177
23188
23190
23185
22021
22024
23142
23179
26083
26084



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

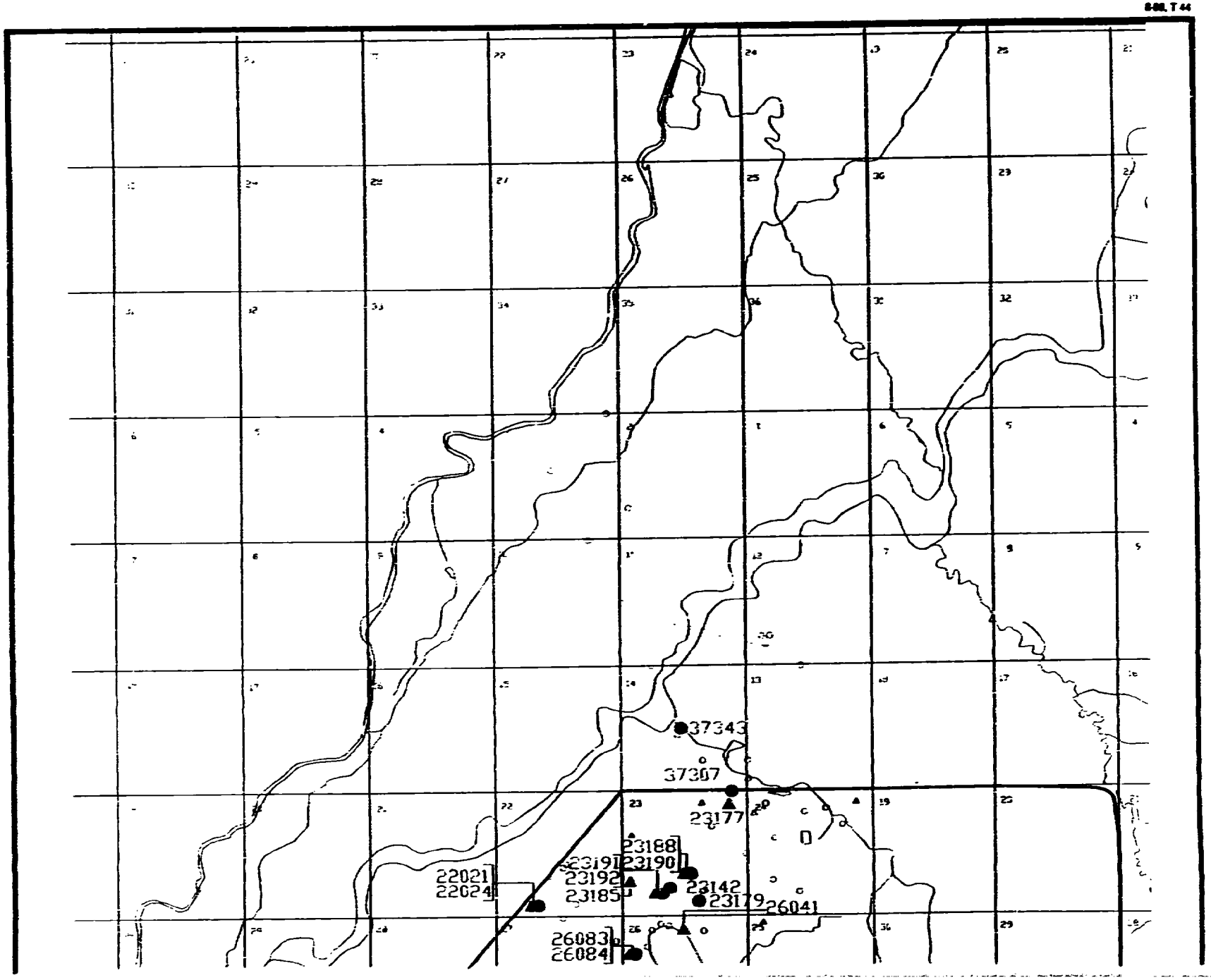
Scale in Feet

Figure D-179
TASK 4/44 GC/MS ANALYSIS NETWORK, N-HENEICOSANE DETECTIONS

SOURCE: [illegible] 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland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23191
23190
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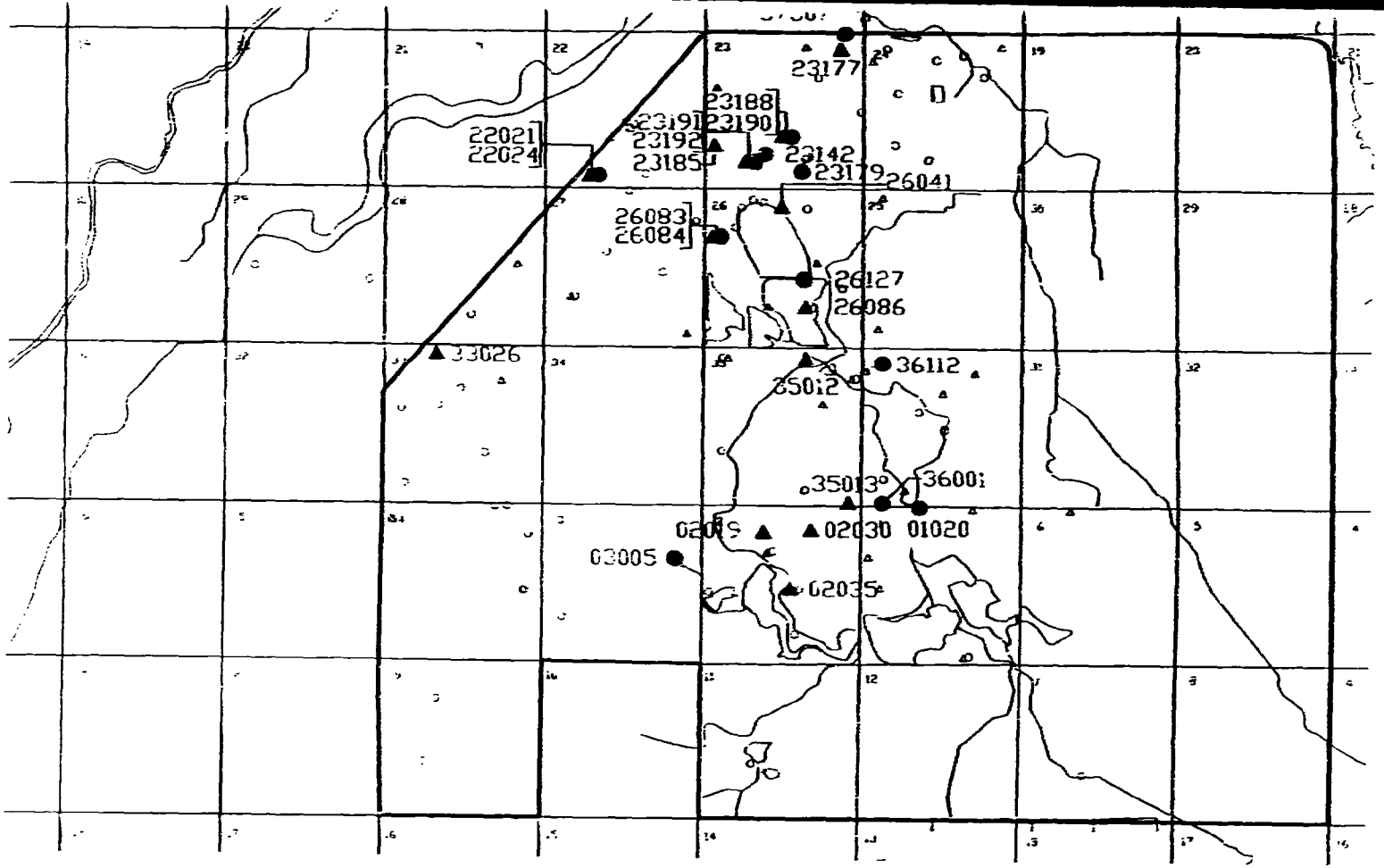
22021
22024
23185
23142
23179
26041
26083
26084



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

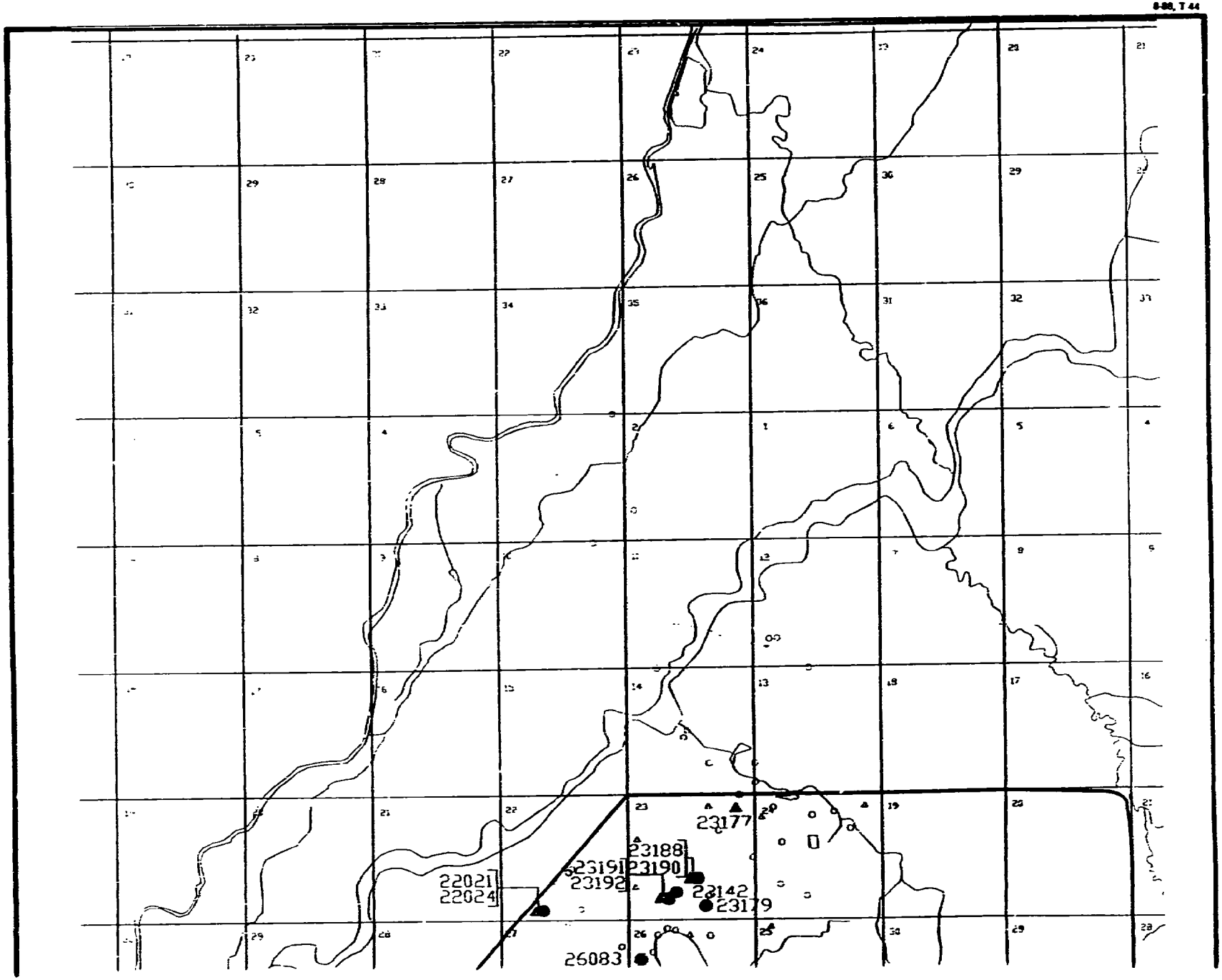
Figure D-180

TASK 4/44 GC/MS ANALYSIS NETWORK, N-HEPTADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland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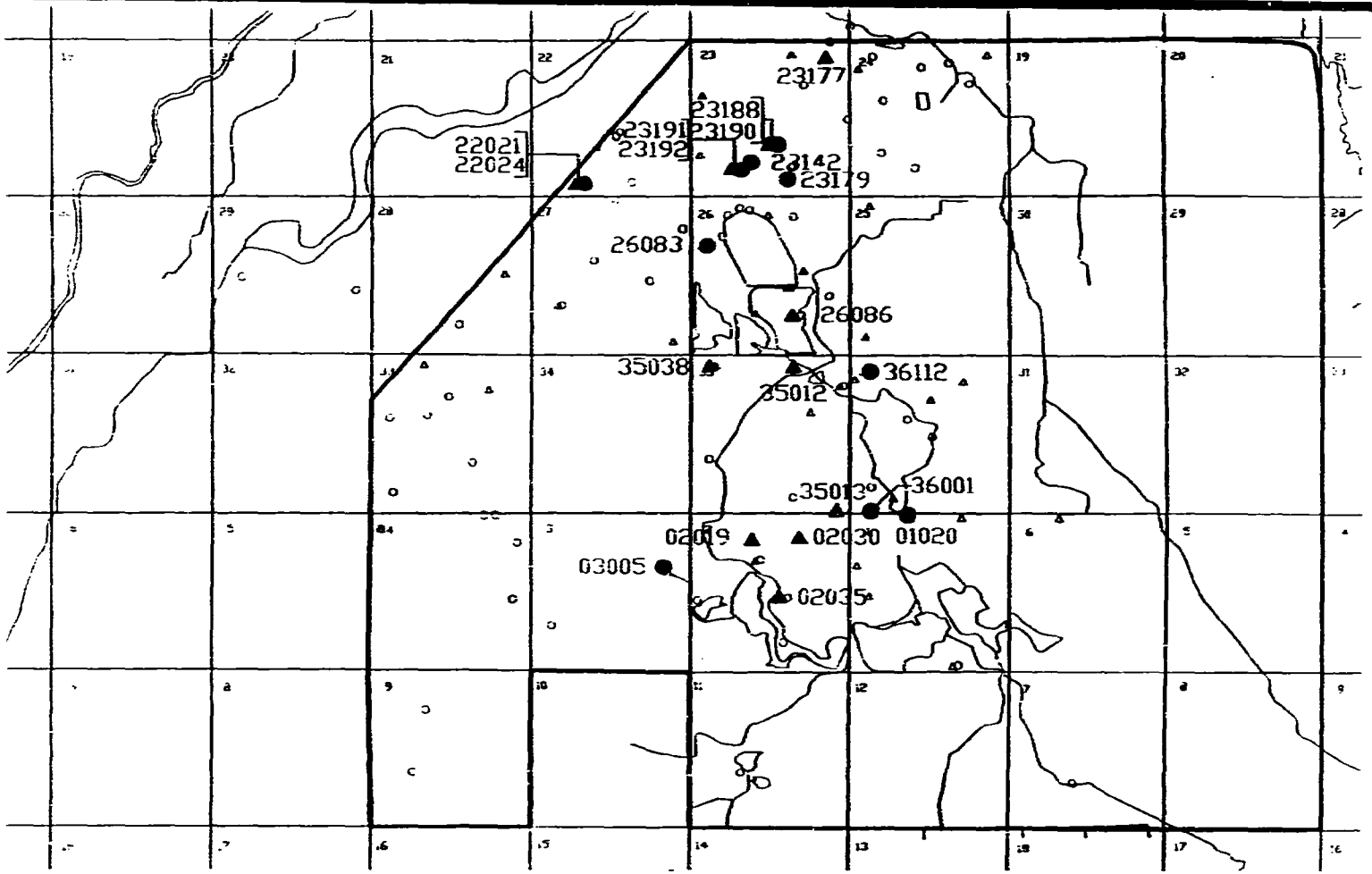
23142
23179
26083



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

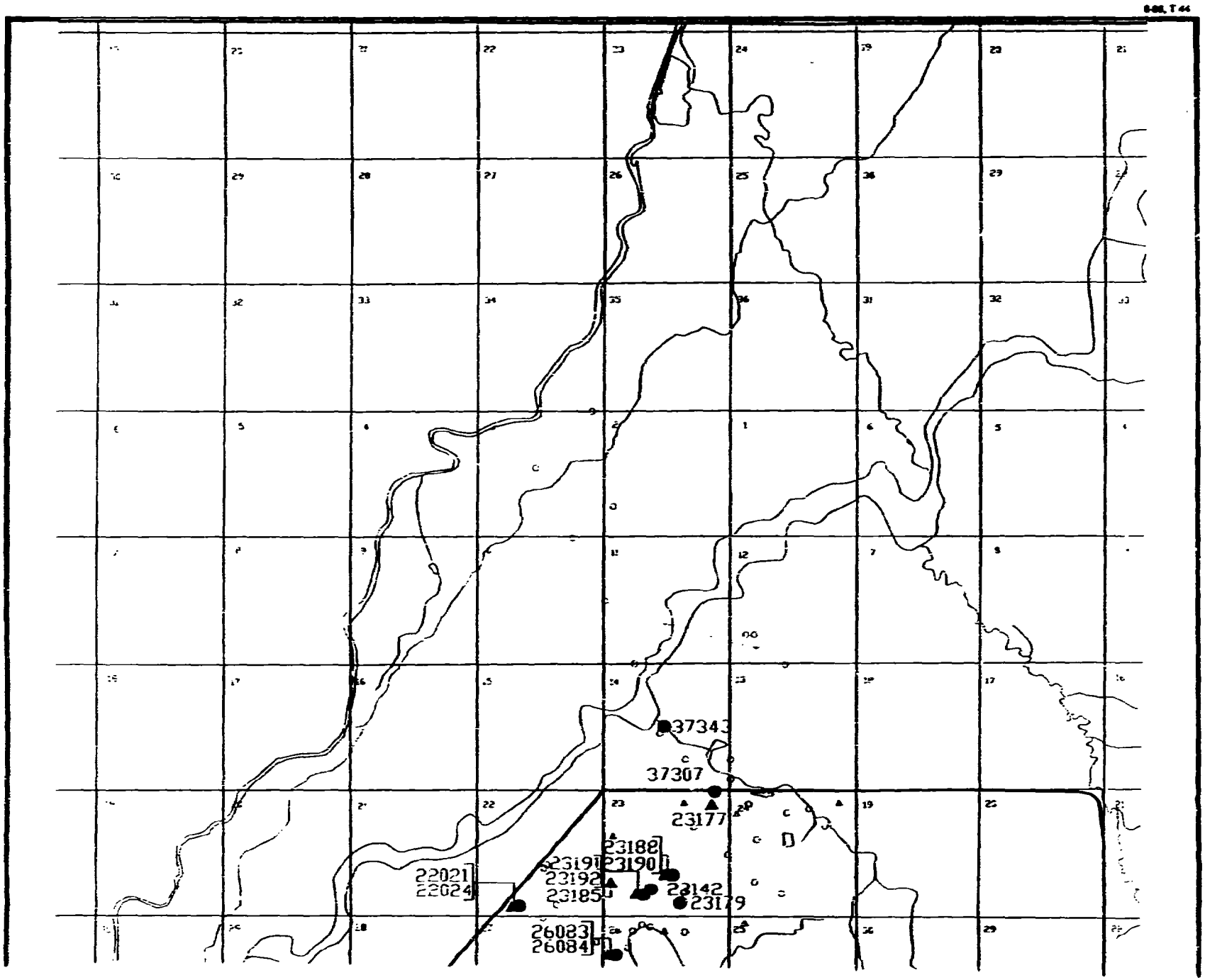
Figure D-181

TASK 4/44 GC/MS ANALYSIS NETWORK, N-HEXADECANE DETECTIONS

SOURCE: Hunter/ESE. 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland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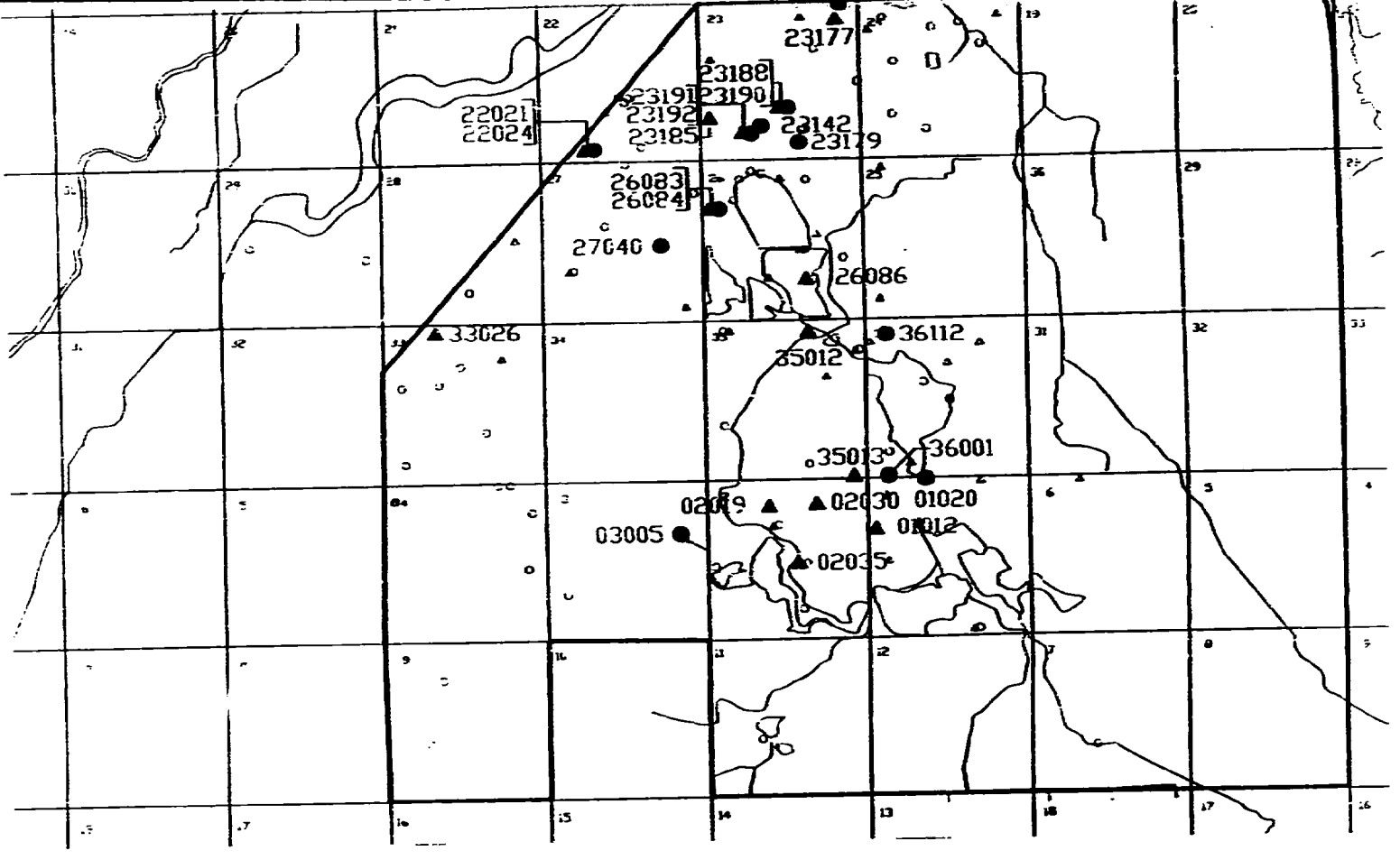
23142
23179
22021
22024
26083
26084



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale In Feet

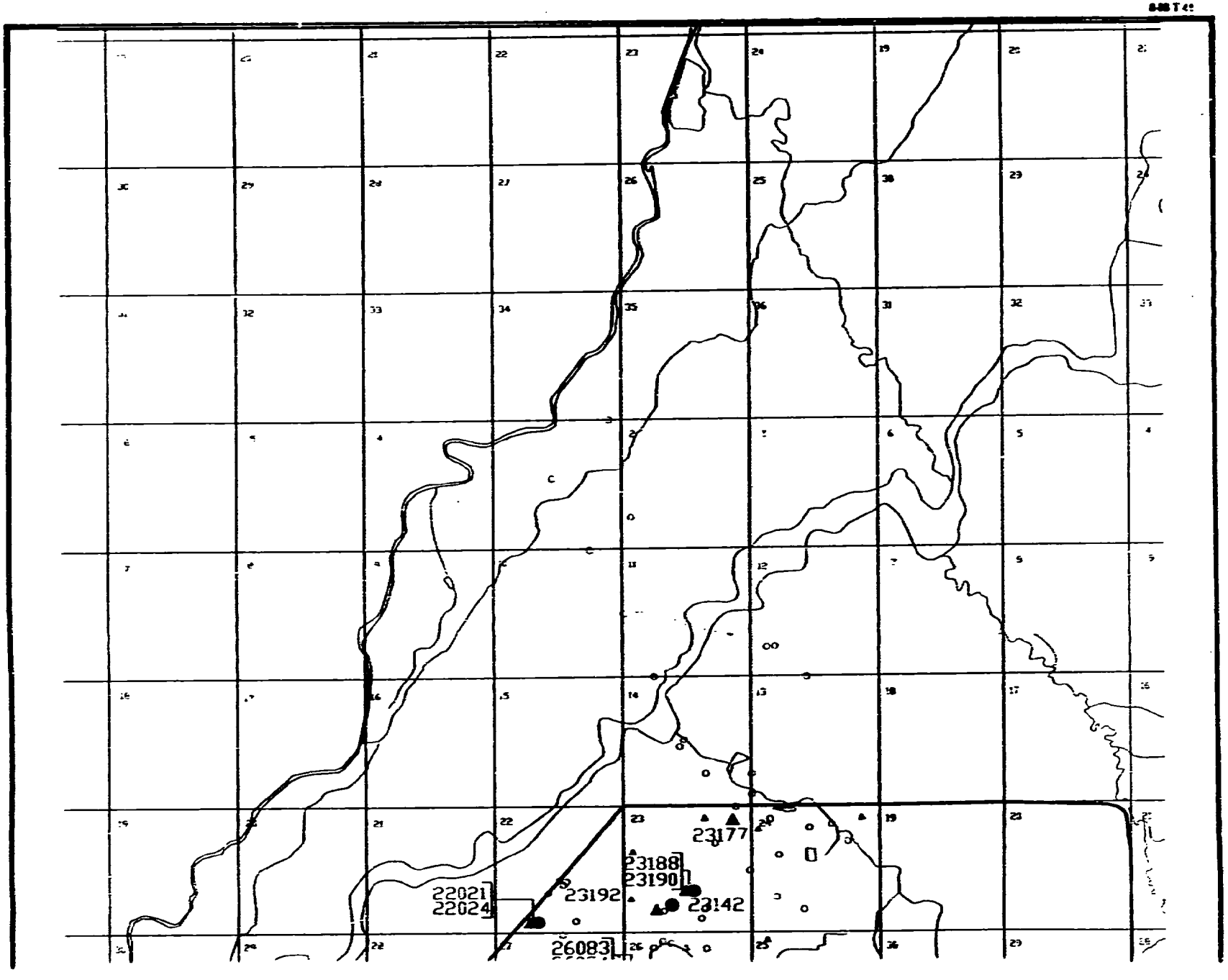
Figure D-182

TASK 4/44 GC/MS ANALYSIS NETWORK, N-NONADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland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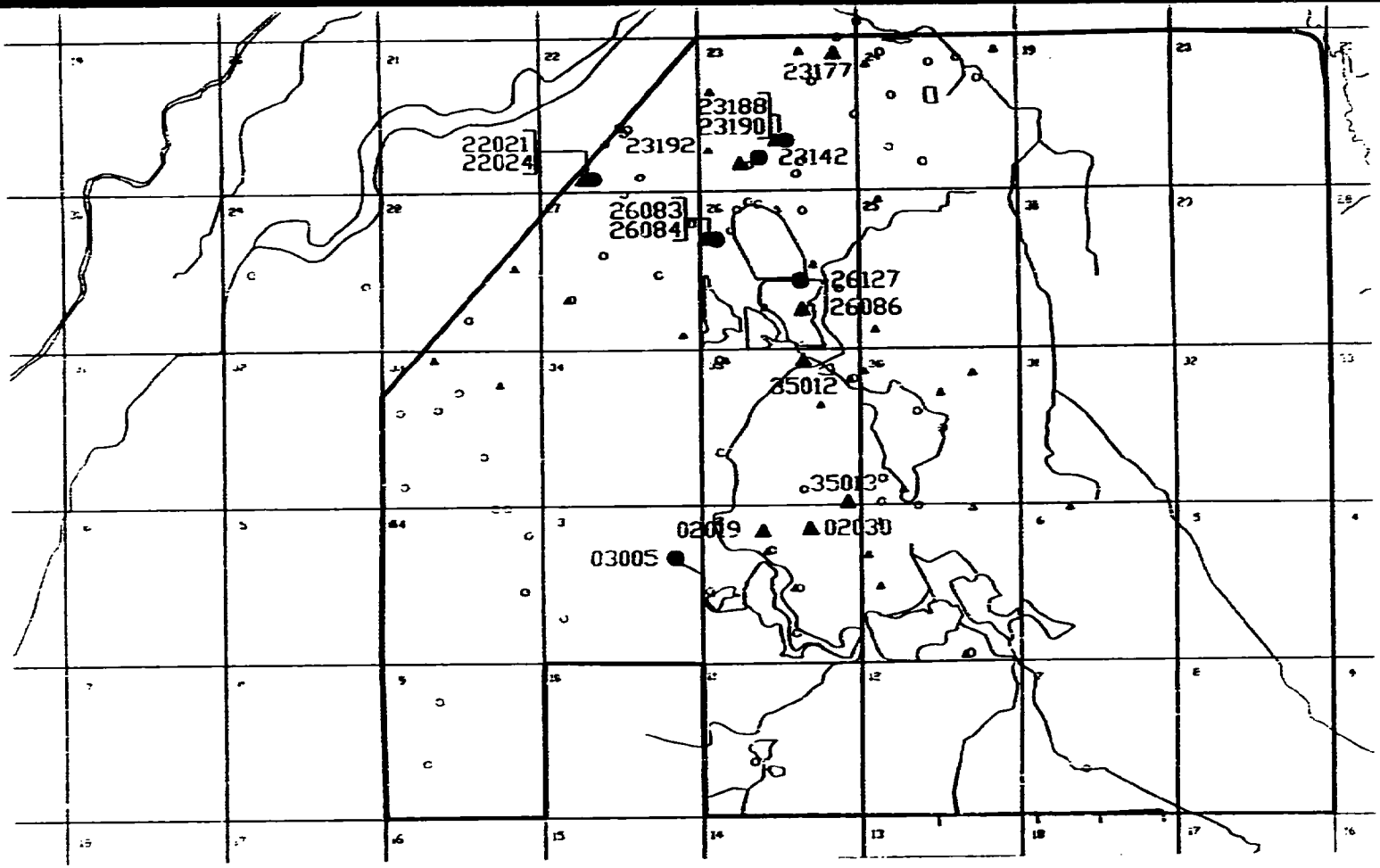
23190
22021
22024
23192
23142
26083



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

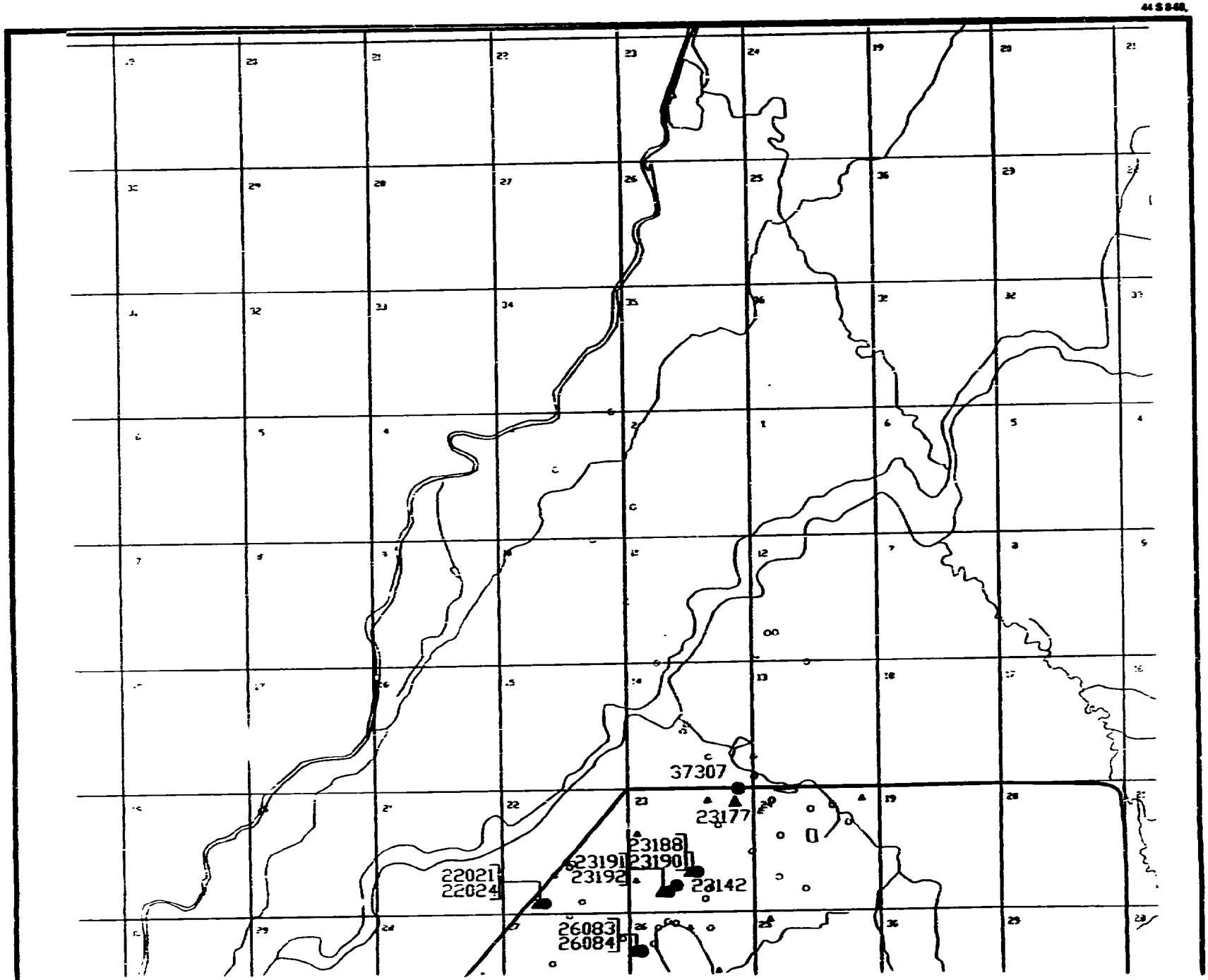
Scale in Feet

Figure D-183
TASK 4/44 GC/MS ANALYSIS NETWORK, N-PENTADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


37307
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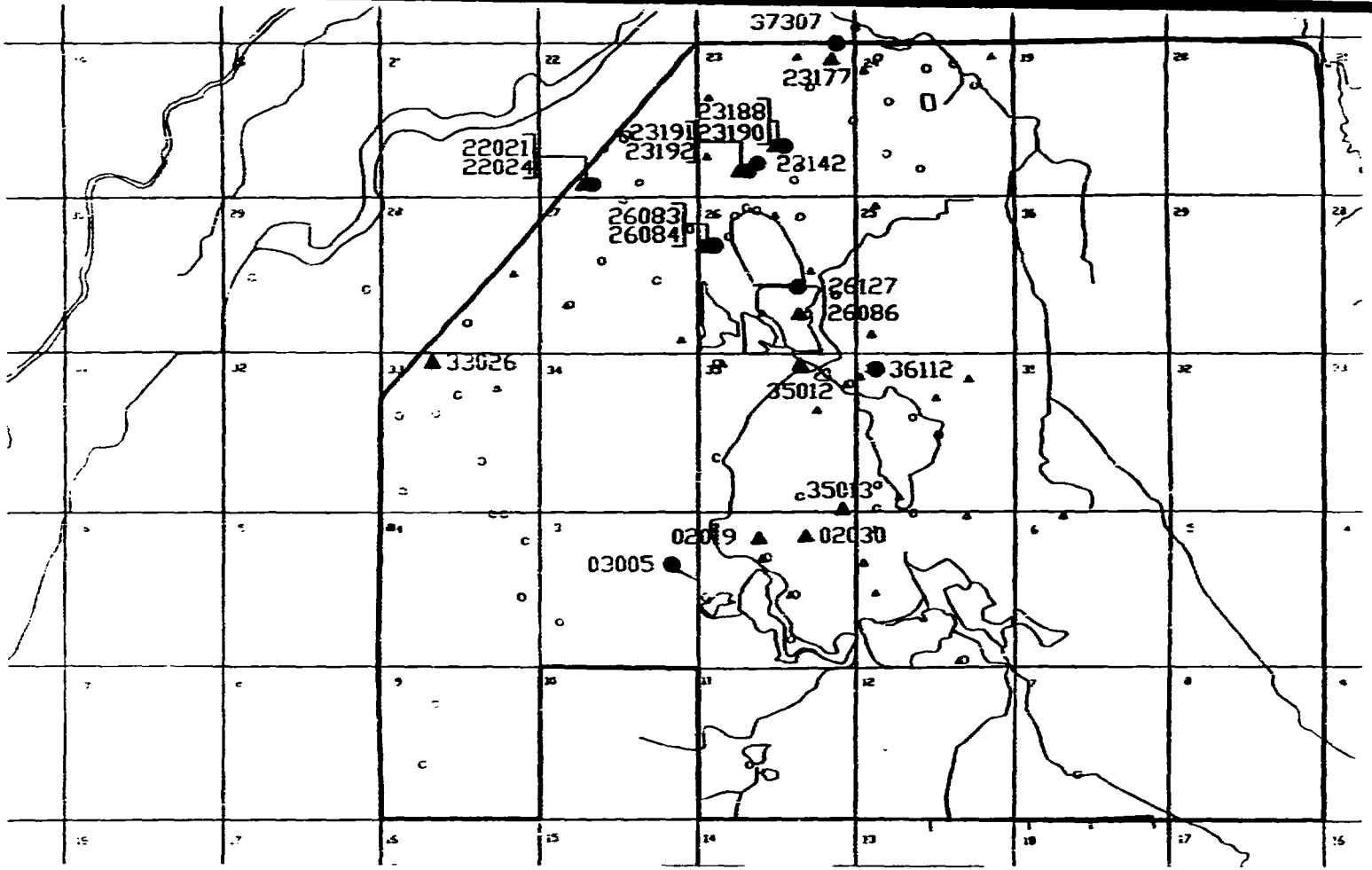
23192
23142
22021
22024
26083
26084



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

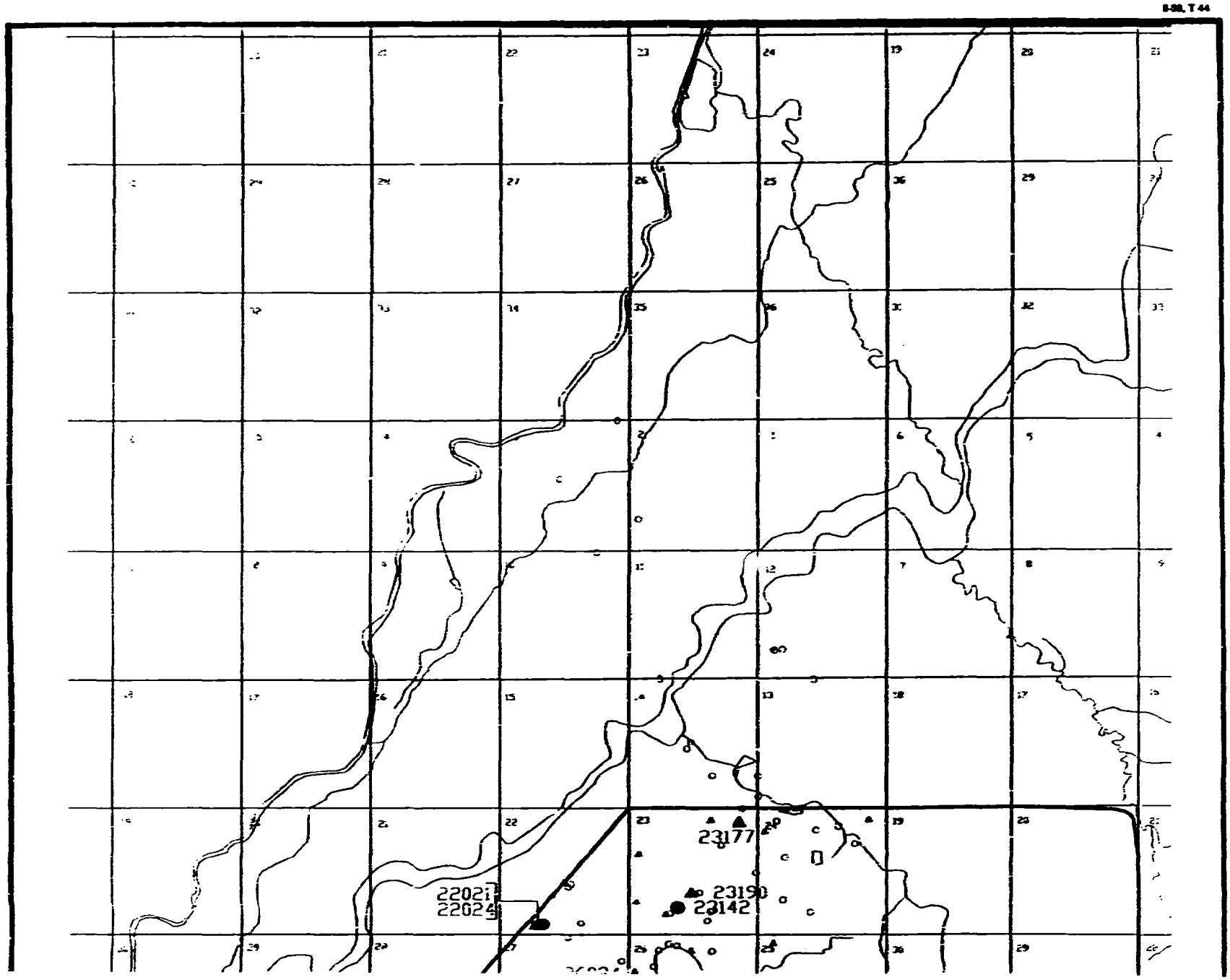
Figure D-184

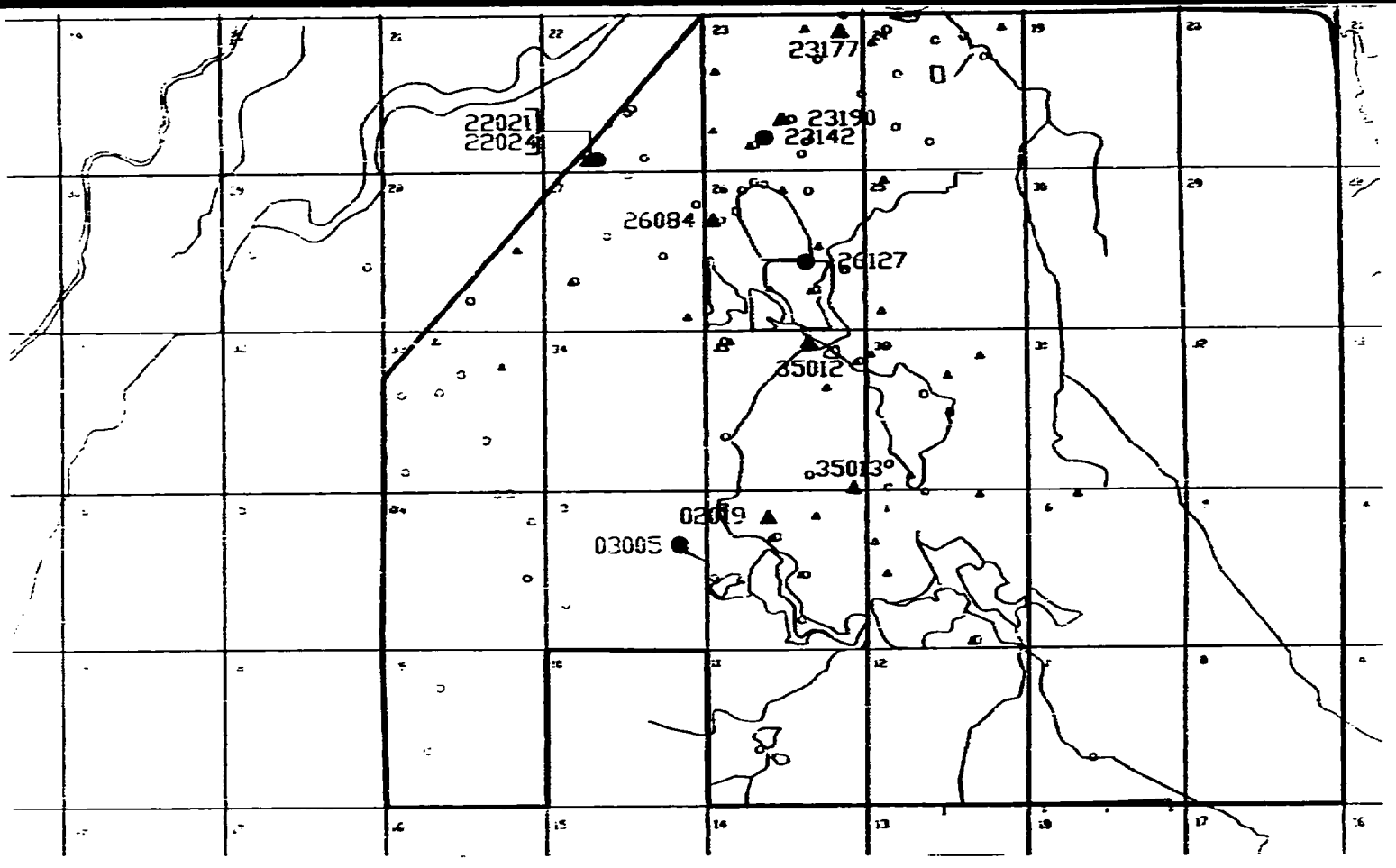
TASK 4/44 GC/MS ANALYSIS NETWORK, OCTADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


23177
23190
23142
22021
22024



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

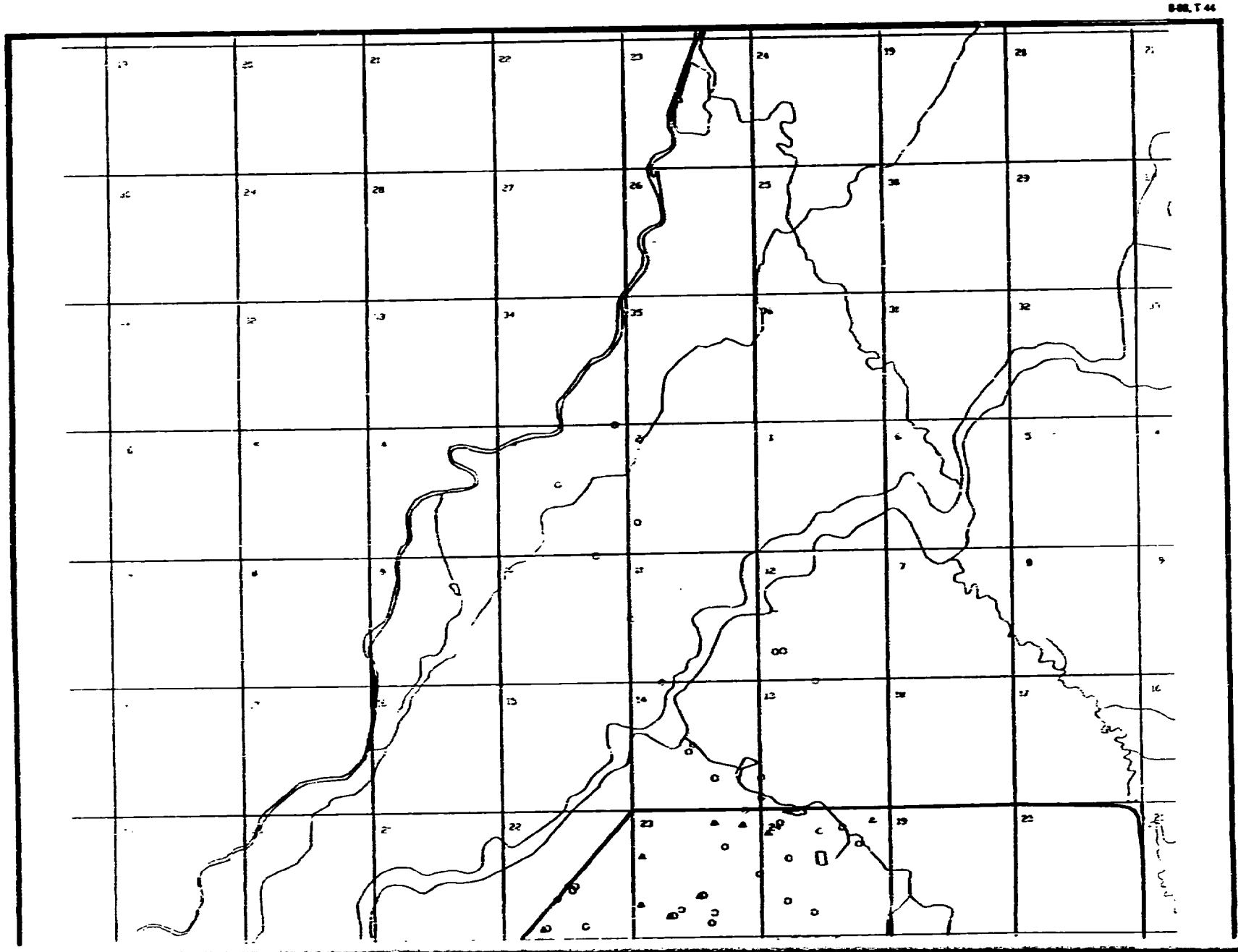
Figure D-185

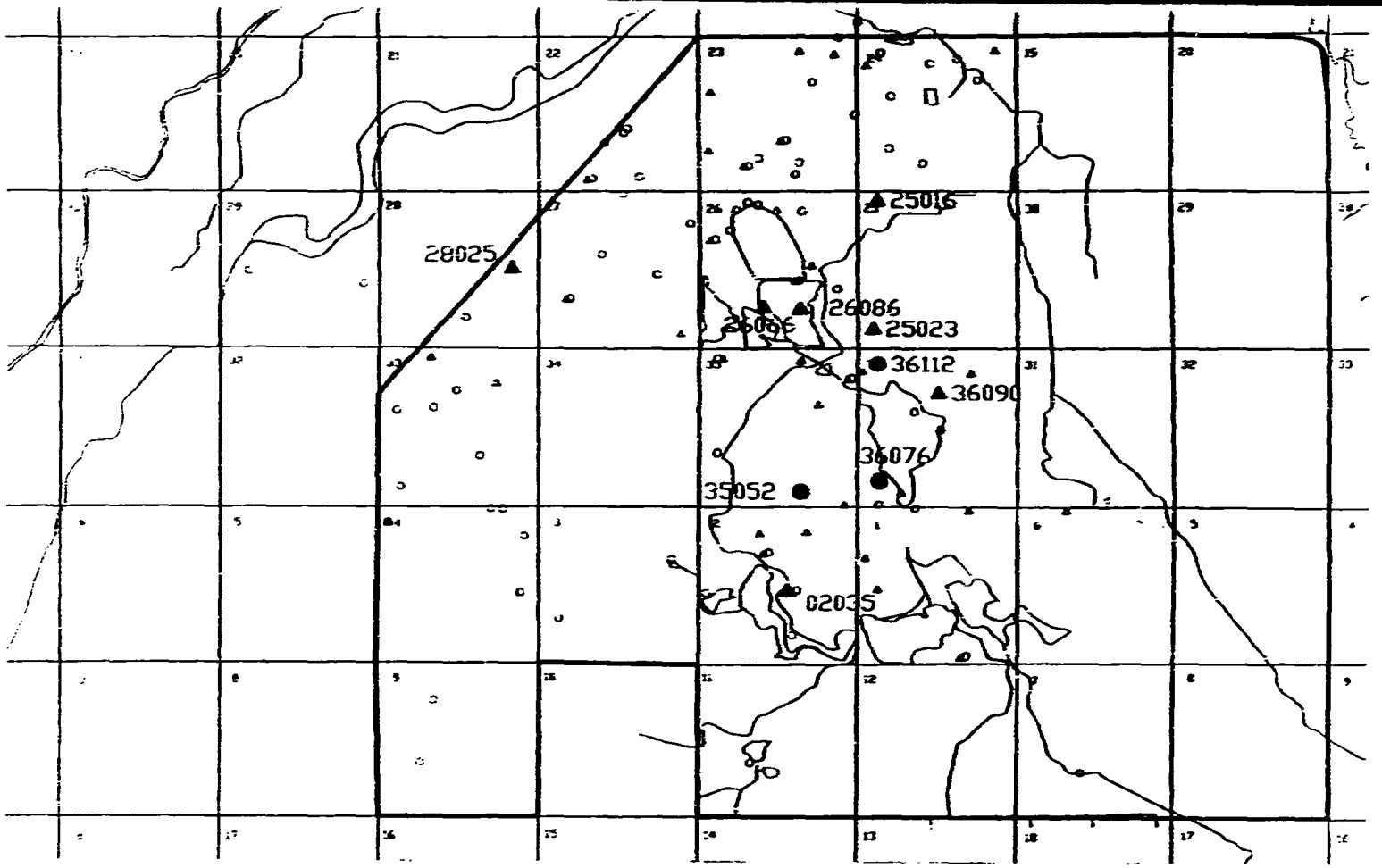
TASK 4/44 GC/MS ANALYSIS NETWORK, TETRADECANE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland





EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

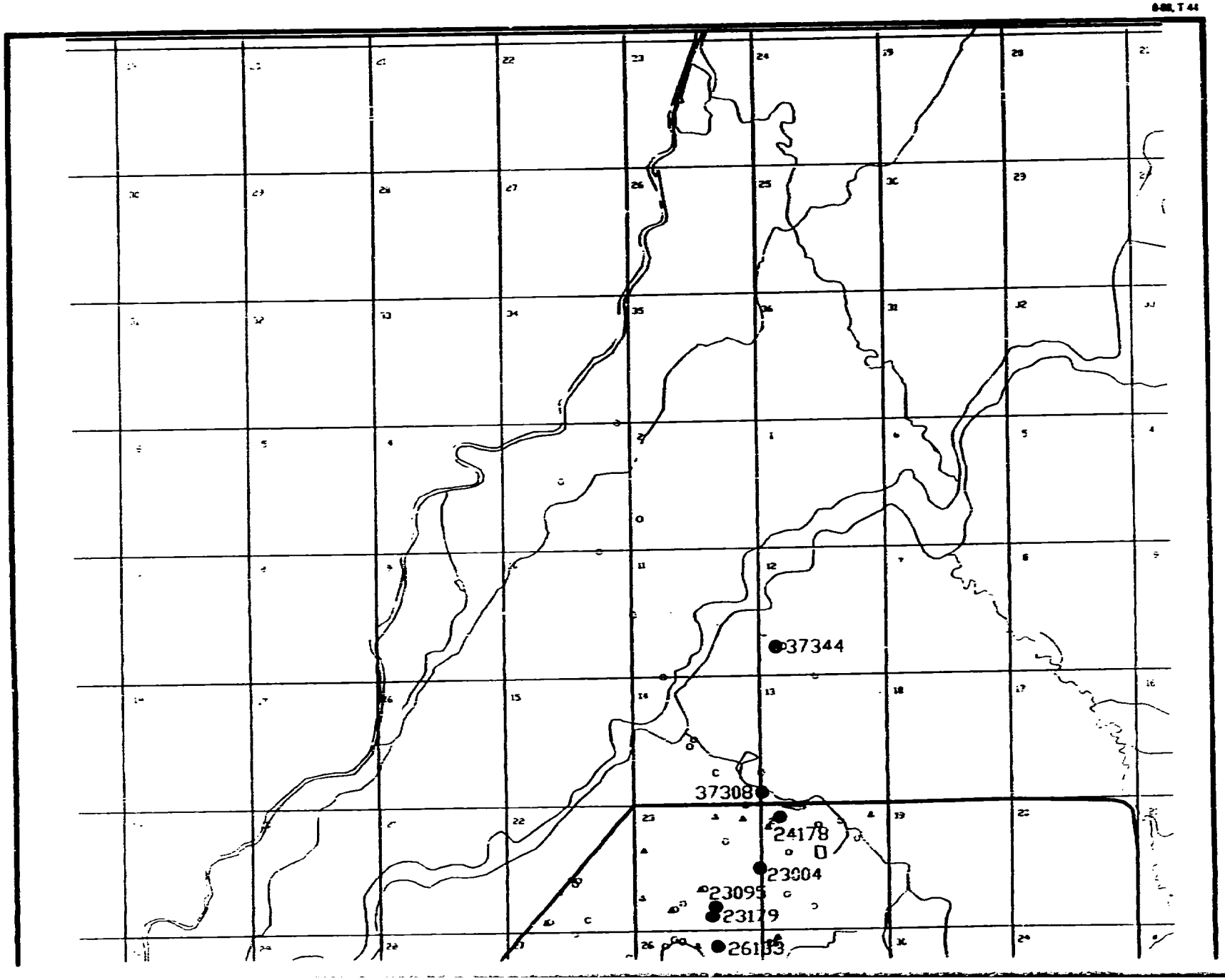
Figure D-186

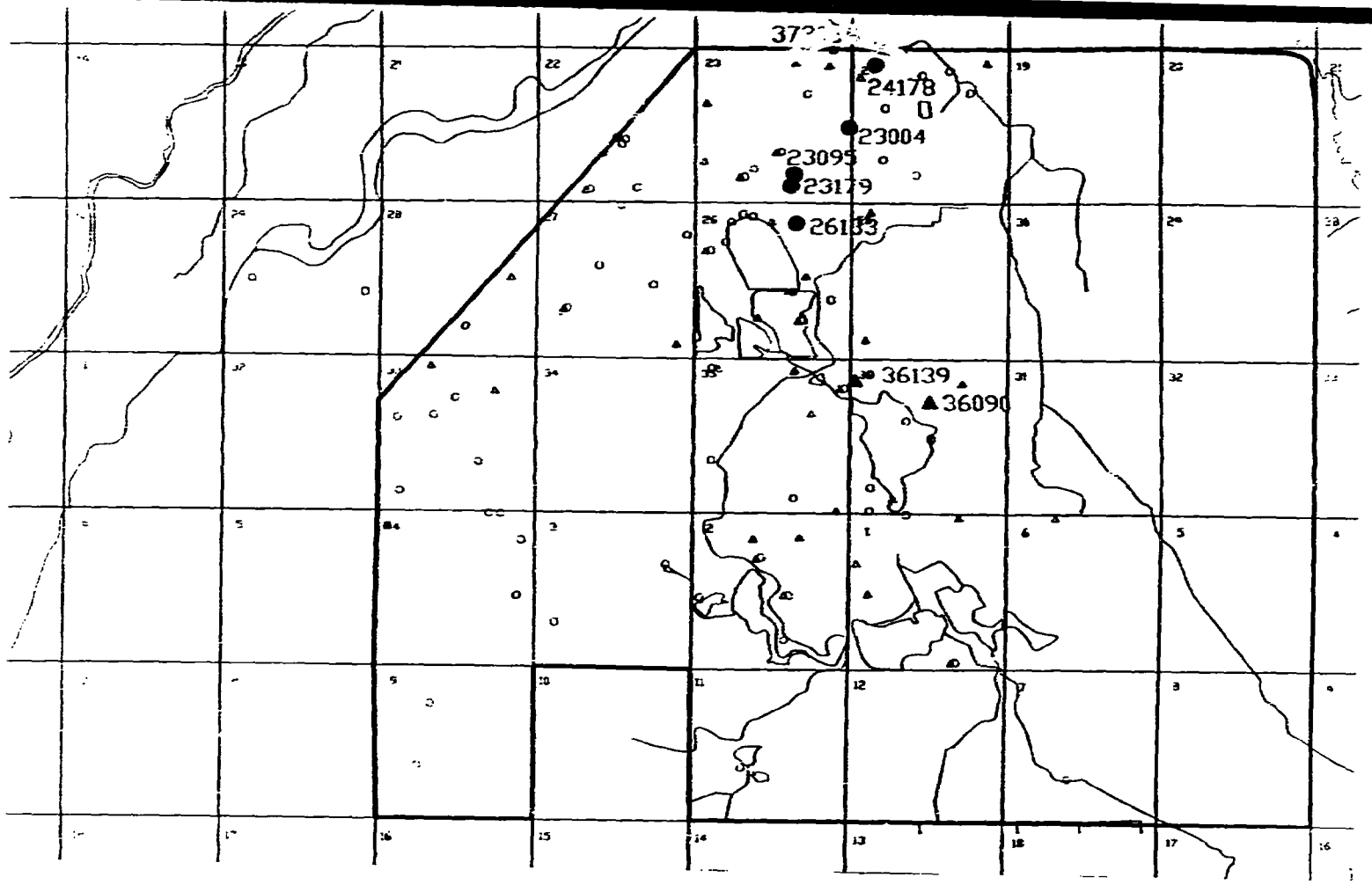
TASK 4/44 GC/MS ANALYSIS NETWORK, OCTADECANOIC ACID DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


37344
37308
24178
23004
23095
23179
26133



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

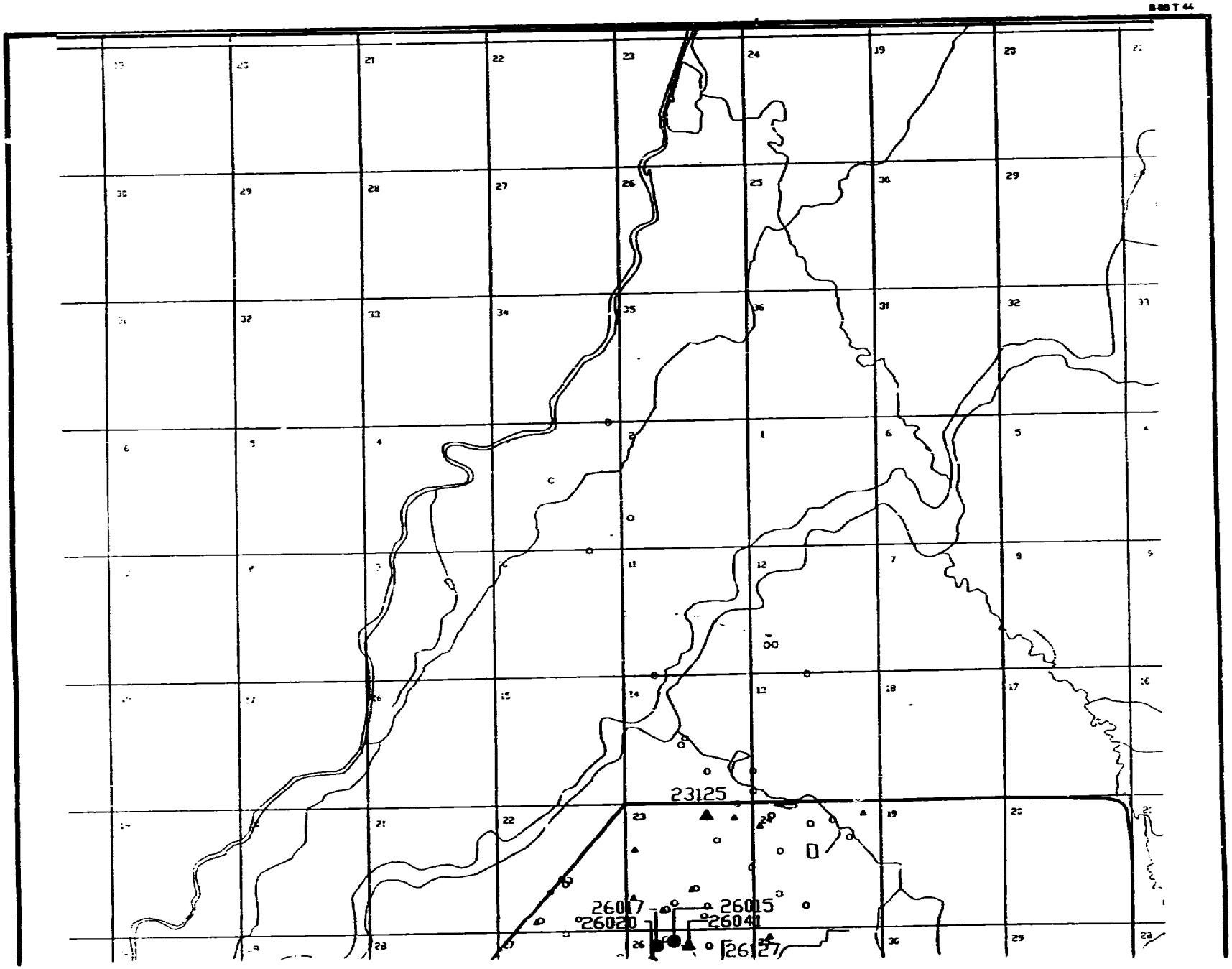
Figure D-187

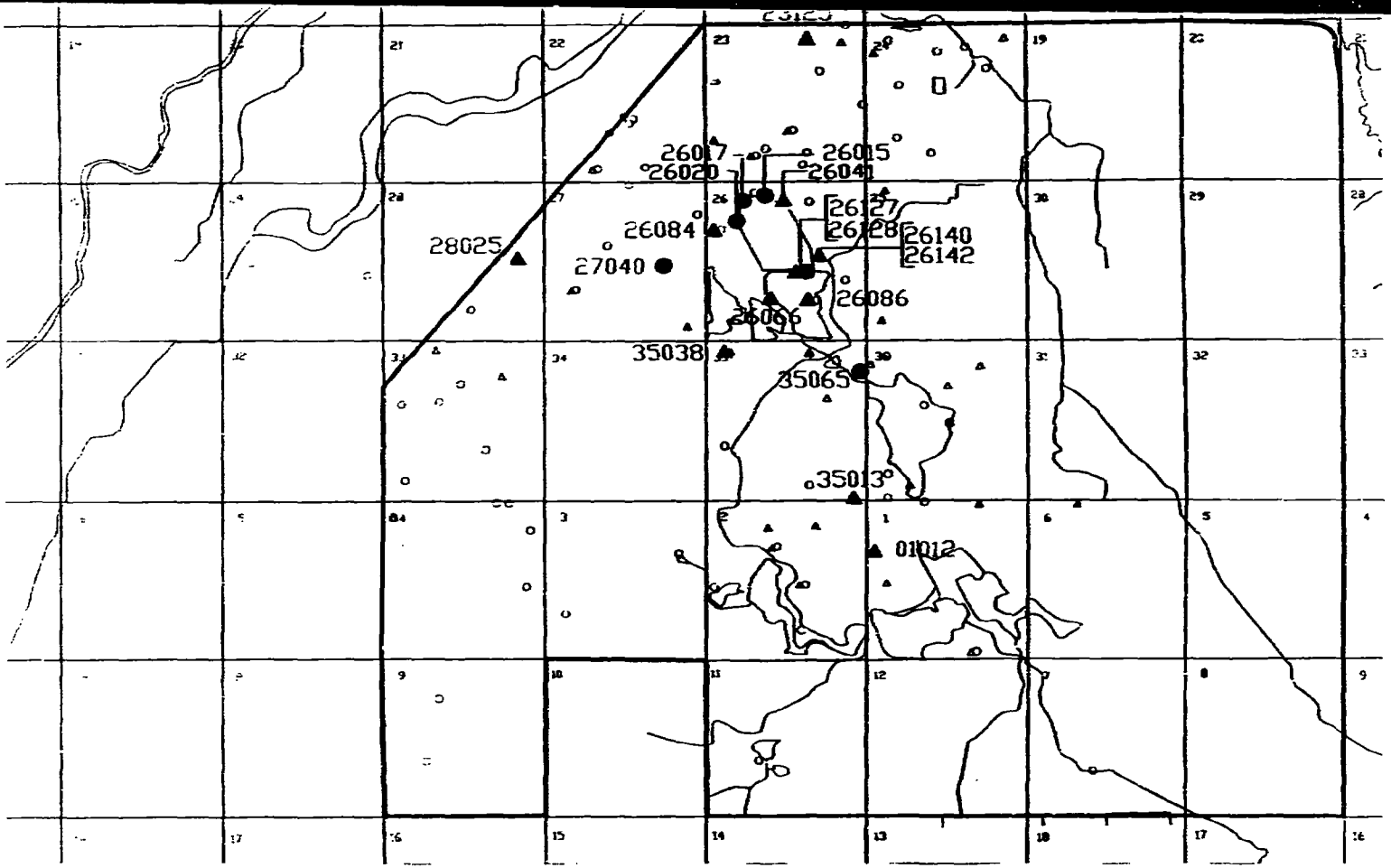
TASK 4/44 GC/MS ANALYSIS NETWORK, TETRACHLOROETHENE DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office
For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland


23125
26017
26020
26015
26041
26127



EXPLANATION

- ○ Alluvial Well, No Detection
- △ Denver Fm Well, No Detections
- ● 1020 Alluvial Detection And Well Number
- ▲ 35065 Denver Detection And Well Number

N

0 5000

Scale in Feet

Figure D-188

TASK 4/44 GC/MS ANALYSIS NETWORK, TETRAHYDROFURAN DETECTIONS

SOURCE: Hunter/ESE, 1988

Prepared for:
U.S. Army Program Manager's Office For Rocky Mountain Arsenal

Aberdeen Proving Ground, Maryland

APPENDIX D.7: GC/MS DATA

GC/MS DETECTIONS, MOST FREQUENTLY DETECTED NONTARGET COMPOUNDS

3RD QUARTER FY 1986 TASK 4 GC/MS CONFIRMATION DATA

FIELD GROUP NUMBERS TC44, T4BWC, AND OPW2C ARE GC/MS RESULTS

SAMPLE LIST T4C

STORET CODE:				98551	34386	39330	39430	39320	39380	39390	39300	81500	98564	98563	98562	81512	98561
METHOD CODE:				BBB	SB	SB	SB	SB	SB	SB	SB	UB	UB	UB	UB	UB	UB
PARAMETER:				DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
T4CC	3	01020	06/25/86 10:30	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	25.4	<14.0		<17.0
T4CM	3	01020	06/25/86 10:30	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	4.96	33.5	<1.30		<4.20
T4BM	9	11002	05/29/86 08:45	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4BMC	2	11002	05/29/86 08:45	*<5.7	*<11.0	*<4.70	*<5.90	*<4.70	*<4.70	*<7.60	*<10.0	<3.00	*<6.10	*<11.0	*<14.0		*<17.0
T4CC	4	02019	06/24/86 09:06	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	15	02019	06/24/86 09:06	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	5	02030	06/27/86 14:01	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	17	02030	06/27/86 14:01	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	6	02035	06/25/86 09:02	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	20	02035	06/25/86 09:02	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	7	02037	06/23/86 11:26	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	22	02037	06/23/86 11:26	<11	<0.070	<0.070	<0.060	<0.053	0.437	<0.052	<0.070	<1.00	<2.00	<1.10	<1.39		<4.20
T4CC	8	02038	06/23/86 15:55	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.66	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	23	02038	06/23/86 15:55	<11	<0.070	<0.070	<0.060	<0.053	0.229	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	9	02039	06/24/86 10:05	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	24	02039	06/24/86 10:05	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	11	22021	06/12/86 09:37	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	26	22021	06/12/86 09:37	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	12	22024	06/12/86 07:28	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	27	22024	06/12/86 07:28	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	13	23142	06/26/86 08:47	650	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	28.2	<14.0		<17.0
T4CM	34	23142	06/26/86 08:47	96	<0.350	<0.350	<0.300	<0.265	<0.300	<0.260	<0.350	<1.00	3.64	17.0	<1.30		<4.20
T4CC	15	23177	06/12/86 15:00	24	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	36	23177	06/12/86 15:00	33	<0.070	0.107	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	16	23179	06/12/86 09:42	510	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	3.56	9.36	43.7	34.7		<17.0
T4CM	37	23179	06/12/86 09:42	590	1.92	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	15.0	70.5	66.3		29.1
T4CC	17	23185	06/19/86 10:03	3000	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	41	23185	06/19/86 10:03	4000	<0.070	0.455	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	2.35	2.85	2.32		<4.20
T4CC	18	23188	06/19/86 11:46	670	<11.0	<4.70	<5.90	<4.70	<4.79	<7.60	<10.0	<3.00	<6.10	45.1	<14.0		<17.0
T4CM	44	23188	06/19/86 11:46	1100	<0.070	0.192	<0.060	<0.053	0.083	0.110	0.095	<1.00	3.71	31.2	<1.30		<4.20
T4CC	19	23190	06/19/86 12:41	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	45	23190	06/19/86 12:41	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4BM	16	24150	05/29/86 09:00	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4BMC	3	24150	05/29/86 09:00	*<5.7	*<11.0	*<4.70	*<5.90	*<4.70	*<4.70	*<7.60	*<10.0	<3.00	*<6.10	*<11.0	*<14.0		*<17.0
T4CC	20	24178	06/19/86 14:22	210	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	20.6		67.8
T4CM	50	24178	06/19/86 14:22	290	<0.140	<0.140	<0.120	<0.106	0.065	0.739	<0.140	<1.00	<2.00	<1.10	28.6		122
T4CC	21	25023	06/25/86 08:36	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	59	25023	06/25/86 08:36	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	23	26041	06/27/86 10:20	2300	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	183	<6.10	64.9	<14.0		<17.0
T4CM	65	26041	06/27/86 10:20	3100	<0.700	6.53	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	<2.00	56.1	<1.30		<4.20
T4CC	22	26066	06/25/86 09:25	78	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	39.1	268	<14.0		<17.0
T4CM	64	26066	06/25/86 09:25	80	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	32.0	342	1.39		<4.20
T4CC	24	26073	06/26/86 09:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	66	26073	06/26/86 09:52	<11	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	25	26083	06/23/86 14:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	68	26083	06/23/86 14:52	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	26	26084	06/23/86 13:57	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	69	26084	06/23/86 13:57	<11	<0.070	<0.070	<0.060	<0.053	0.284	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	27	26085	06/26/86 14:20	92	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CM	70	26085	06/26/86 14:20	110	<0.700	1.05	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	<2.00	<1.10	<1.30		<4.20

SAMPLE LIST T4C

STORET CODE:					81596	34030	34010	34371	90553	90554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4CC	3	01020	06/25/86	10:30	<2.00	<10.0	<1.00	<1.00	<1.00	<2.00	11.4		16.6	4.19	1170	1.53	2.71	<2.00
T4CM	3	01020	06/25/86	10:30	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	6.16	2.75	<24.0	<12.0	>200	<6.10	<17.0	<24.0
T4BM	9	11002	05/29/86	08:45	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BMC	2	11002	05/29/86	08:45	<2.00	1.96	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CC	4	02019	06/24/86	09:06	5.71	16.5	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	15	02019	06/24/86	09:06	<12.9	37.2	4.52	<1.28	<1.35	<2.47	<5.00	<1.19	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	5	02030	06/27/86	14:01	<2.00	<1.00	1.49	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	168	<1.00	<1.00	8.84
T4CM	17	02030	06/27/86	14:01	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	115	<0.610	<1.70	9.53
T4CC	6	02035	06/25/86	09:02	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	14.9		7.52	<2.00	283	<1.00	<1.00	7.84
T4CM	20	02035	06/25/86	09:02	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	8.38	<1.20	195	<0.610	<1.70	7.54
T4CC	7	02037	06/23/86	11:26	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	5.58	<1.00	<1.00	<2.00
T4CM	22	02037	06/23/86	11:26	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	2.79	<0.610	<1.70	<2.40
T4CC	8	02038	06/23/86	15:55	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	9.18	<1.00	<1.00	<2.00
T4CM	23	02038	06/23/86	15:55	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.18	<1.20	<1.20	7.44	<0.610	<1.70	<2.40
T4CC	9	02039	06/24/86	10:05	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	24	02039	06/24/86	10:05	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	11	22021	06/12/86	09:37	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	17.5	<1.00	<1.00	<2.00
T4CM	26	22021	06/12/86	09:37	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	11.6	<0.610	<1.70	<2.40
T4CC	12	22024	06/12/86	07:28	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	27	22024	06/12/86	07:28	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	13	23142	06/26/86	08:47	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	34	23142	06/26/86	08:47	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	15	23177	06/12/86	15:00	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.99	<1.00	<1.00	<2.00
T4CM	36	23177	06/12/86	15:00	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	16	23179	06/12/86	09:42	<2.00	40.2	<1.00	<1.00	<1.00	3.24	184		3.40	<2.00	32000	115	<1.00	<2.00
T4CM	37	23179	06/12/86	09:42	<12.9	38.7	2.71	3.59	<1.35	3.52	125	<1.10	3.70	<1.20	22500	<0.610	<1.70	<2.40
T4CC	17	23185	06/19/86	10:03	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	41	23185	06/19/86	10:03	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	18	23188	06/19/86	11:46	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	1.53	<1.00	<2.00
T4CM	44	23188	06/19/86	11:46	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	1.59	<1.70	<2.40
T4CC	19	23190	06/19/86	12:41	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	45	23190	06/19/86	12:41	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BM	16	24158	05/29/86	09:00	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BMC	3	24158	05/29/86	09:00	<2.00	3.70	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CC	20	24178	06/19/86	14:22	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1120	1.79	<1.00	4.53
T4CM	58	24178	06/19/86	14:22	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	504	<0.610	<1.70	4.22
T4CC	21	25023	06/25/86	08:36	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	59	25023	06/25/86	08:36	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	23	26041	06/27/86	10:28	32.7	58.1	953	<1.00	<1.00	<2.00	<5.00		<2.00	2.19	<1.00	140	<1.00	<2.00
T4CM	65	26041	06/27/86	10:28	<12.9	50.6	1070	<1.28	1.71	19.2	<5.00	<1.10	<1.20	<1.20	<1.40	2.25	<1.70	<2.40
T4CC	22	26066	06/25/86	09:25	<2.00	2.10	<1.00	<1.00	<1.00	<2.00	10.2		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	64	26066	06/25/86	09:25	<12.9	2.17	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	24	26073	06/26/86	09:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	15.1	<1.00	<1.00	5.10
T4CM	66	26073	06/26/86	09:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	12.0	<0.610	<1.70	5.75
T4CC	25	26083	06/23/86	14:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	68	26083	06/23/86	14:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	26	26084	06/23/86	13:57	<2.00	16.4	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	69	26084	06/23/86	13:57	<12.9	6.81	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	27	26085	06/26/86	14:20	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	27.0	<1.00	<1.00	<2.00
T4CM	78	26085	06/26/86	14:20	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.19	<1.20	<1.20	21.1	<0.610	<1.70	<2.40

SAMPLE LIST T4C

STORET CODE:					34511	34475	34301
METHOD CODE:					YB	YB	YB
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T4CC	3	01020	06/25/86	10:30	<1.00	8.03	50.3
T4CM	3	01020	06/25/86	10:30	<100	4.67	12.7
T4BM	9	11002	05/29/86	08:45	<1.00	<1.30	<0.500
T4BMC	2	11002	05/29/86	08:45	<1.00	<1.00	<2.00
T4CC	4	02019	06/24/86	09:06	<1.00	<1.00	<2.00
T4CM	15	02019	06/24/86	09:06	<1.00	<1.30	<0.500
T4CC	5	02030	06/27/86	14:01	<1.00	<1.00	<2.00
T4CM	17	02030	06/27/86	14:01	<1.00	<1.30	<0.500
T4CC	6	02035	06/25/86	09:02	<1.00	2.63	<2.00
T4CM	20	02035	06/25/86	09:02	<1.00	<1.30	0.64
T4CC	7	02037	06/23/86	11:2	<1.00	<1.00	<2.00
T4CM	22	02037	06/23/86	11:26	<1.00	<1.30	<0.500
T4CC	8	02038	06/23/86	15:55	<1.00	<1.00	<2.00
T4CM	23	02038	06/23/86	15:55	<1.00	<1.30	<0.500
T4CC	9	02039	06/24/86	10:05	<1.00	<1.00	<2.00
T4CM	24	02039	06/24/86	10:05	<1.00	<1.30	<0.500
T4CC	11	22021	06/12/86	09:37	<1.00	<1.00	<2.00
T4CM	26	22021	06/12/86	09:37	<1.00	<1.30	<0.500
T4CC	12	22024	06/12/86	07:20	<1.00	<1.00	<2.00
T4CM	27	22024	06/12/86	07:20	<1.00	<1.30	<0.500
T4CC	13	23142	06/26/86	08:47	<1.00	<1.00	<2.00
T4CM	34	23142	06/26/86	08:47	<5.00	<1.30	<0.500
T4CC	15	23177	06/12/86	15:00	<1.00	<1.00	<2.00
T4CM	36	23177	06/12/86	15:00	<1.00	<1.30	<0.500
T4CC	16	23179	06/12/86	09:42	<1.00	75.2	<2.00
T4CM	37	23179	06/12/86	09:42	<1.00	75.5	<0.500
T4CC	17	23185	06/19/86	10:03	<1.00	<1.00	<2.00
T4CM	41	23185	06/19/86	10:03	<1.00	<1.30	<0.500
T4CC	18	23188	06/19/86	11:46	<1.00	<1.00	<2.00
T4CM	44	23188	06/19/86	11:46	<1.00	<1.30	<0.500
T4CC	19	23190	06/19/86	12:41	<1.00	<1.00	<2.00
T4CM	45	23190	06/19/86	12:41	<1.00	<1.30	<0.500
T4BM	16	24150	05/29/86	09:00	<1.00	<1.30	<0.500
T4BMC	3	24150	05/29/86	09:00	<1.00	<1.00	<2.00
T4CC	20	24178	06/19/86	14:22	<1.00	57.4	<2.00
T4CM	50	24178	06/19/86	14:22	<1.00	49.2	<0.500
T4CC	21	25023	06/25/86	08:36	<1.00	<1.00	<2.00
T4CM	59	25023	06/25/86	08:36	<1.00	<1.30	<0.500
T4CC	23	26041	06/27/86	10:28	<1.00	<1.00	2.16
T4CM	65	26041	06/27/86	10:28	<1.00	<1.30	2.77
T4CC	22	26066	06/25/86	09:25	<1.00	4.27	9.67
T4CM	64	26066	06/25/86	09:25	<1.00	3.96	7.60
T4CC	24	26073	06/26/86	09:52	<1.00	<1.00	<2.00
T4CM	66	26073	06/26/86	09:52	<1.00	<1.30	<0.500
T4CC	25	26083	06/23/86	14:52	<1.00	<1.00	<2.00
T4CM	68	26083	06/23/86	14:52	<1.00	<1.30	<0.500
T4CC	26	26084	06/23/86	13:57	<1.00	<1.00	<2.00
T4CM	69	26084	06/23/86	13:57	<1.00	<1.30	<0.500
T4CC	27	26085	06/26/86	14:20	<1.00	<1.00	<2.00
T4CM	70	26085	06/26/86	14:20	<1.00	<1.30	<0.500

SAMPLE LIST T4C

STORET CODE:				99133	99133	99133	77985	77985	77985
METHOD CODE:				Q8	B88	N8	R8	B88	N8
PARAMETER:				86CP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME						
T4CC	3	01020	06/25/86 10:30		27	16		<4.7	<2.0
T4CM	3	01020	06/25/86 10:30	16.1			<9.31		
T4BM	9	11002	05/29/86 08:45	<0.130			<9.31		
T4BMC	2	11002	05/29/86 08:45		*<15	<4.0		*<4.7	<2.0
T4CC	4	02019	06/24/86 09:06		<15	<4.0		<4.7	<2.0
T4CM	15	02019	06/24/86 09:06	<0.130			<9.31		
T4CC	5	02030	06/27/86 14:01		<15	<4.0		<4.7	<2.0
T4CM	17	02030	06/27/86 14:01	<0.130			<9.31		
T4CC	6	02035	06/25/86 09:02		<15	<4.0		<4.7	<2.0
T4CM	20	02035	06/25/86 09:02	<0.130			<9.31		
T4CC	7	02037	06/23/86 11:26		<15	<4.0		<4.7	<2.0
T4CM	22	02037	06/23/86 11:26	<0.130			<9.31		
T4CC	8	02038	06/23/86 15:55		<15	<4.0		<4.7	<2.0
T4CM	23	02038	06/23/86 15:55	<0.130			<9.31		
T4CC	9	02039	06/24/86 10:05		<15	<4.0		<4.7	<2.0
T4CM	24	02039	06/24/86 10:05	<0.130			<9.31		
T4CC	11	22021	06/12/86 09:37		<15	<4.0		<4.7	<2.0
T4CM	26	22021	06/12/86 09:37	<0.130			<9.31		
T4CC	12	22024	06/12/86 07:28		<15	<4.0		<4.7	<2.0
T4CM	27	22024	06/12/86 07:28	<0.130			<9.31		
T4CC	13	23142	06/26/86 08:47		<15	<4.0		<4.7	<2.0
T4CM	34	23142	06/26/86 08:47	<0.130			<9.31		
T4CC	15	23177	06/12/86 15:00		<15	<4.0		<4.7	<2.0
T4CM	36	23177	06/12/86 15:00	<0.130			<9.31		
T4CC	16	23179	06/12/86 09:42		<15	<4.0		810	530
T4CM	37	23179	06/12/86 09:42	0.953			736		
T4CC	17	23185	06/19/86 10:03		<15	<4.0		<4.7	<2.0
T4CM	41	23185	06/19/86 10:03	<0.130			<9.31		
T4CC	18	23188	06/19/86 11:46		<15	<4.0		42	15
T4CM	44	23188	06/19/86 11:46	<0.130			16.8		
T4CC	19	23190	06/19/86 12:41		<15	<4.0		<4.7	<2.0
T4CM	45	23190	06/19/86 12:41	<0.130			<9.31		
T4BM	16	24158	05/29/86 09:00	<0.130			<9.31		
T4BMC	3	24158	05/29/86 09:00		*<15	<4.0		*<4.7	<2.0
T4CC	20	24178	06/19/86 14:22		<15	9.5		24	35
T4CM	58	24178	06/19/86 14:22	7.25			34.2		
T4CC	21	25023	06/25/86 08:36		<15	<4.0		<4.7	<2.0
T4CM	59	25023	06/25/86 08:36	<0.130			<9.31		
T4CC	23	26041	06/27/86 10:28		<15	<4.0		89	83
T4CM	65	26041	06/27/86 10:28	<0.130			40.5		
T4CC	22	26066	06/25/86 09:25		<15	<4.0		<4.7	<2.0
T4CM	64	26066	06/25/86 09:25	<0.130			<9.31		
T4CC	24	26073	06/26/86 09:52		<15	<4.0		<4.7	<2.0
T4CM	66	26073	06/26/86 09:52	<0.130			<9.31		
T4CC	25	26083	06/23/86 14:52		<15	<4.0		<4.7	<2.0
T4CM	68	26083	06/23/86 14:52	<0.130			<9.31		
T4CC	26	26084	06/23/86 13:57		<15	<4.0		<4.7	<2.0
T4CM	69	26084	06/23/86 13:57	<0.130			<9.31		
T4CC	27	26085	06/26/86 14:20		<15	<4.0		<4.7	<2.0
T4CM	70	26085	06/26/86 14:20	0.239			<9.31		

SAMPLE LIST T4C

STORET CODE:					98551	34306	39330	39430	39320	39380	39390	39300	81580	98564	98563	98562	81512	98561
METHOD CODE:					088	SB	SB	SB	SB	SB	SB	SB	UB	UB	UB	UB	UB	UB
PARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4CC	28	26086	06/24/86	13:55	170	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CN	71	26086	06/24/86	13:55	210	<0.070	<0.070	<0.060	<0.053	0.620	0.142	<0.070	<1.00	<2.00	13.6	<1.30		<4.20
T4CC	29	26127	06/26/86	12:58	1900	<11.0	5.20	<5.90	<4.70	12.7	<7.60	<10.0	<3.00	<6.10	74.8	<14.0		<17.0
T4CN	72	26127	06/26/86	12:58	1900	<0.070	0.667	<0.300	<0.053	1.49	0.391	<0.070	<1.00	5.35	59.6	<1.30		<4.20
T4CC	30	26128	06/24/86	13:34	1000	<11.0	5.64	<5.90	<4.70	56.9	7.64	<10.0	<3.00	<6.10	42.3	<14.0		<17.0
T4CN	73	26128	06/24/86	13:34	1700	<0.700	1.00	<0.600	<0.530	6.41	1.34	<0.700	<1.00	7.02	72.4	2.62		<4.20
T4CC	31	26133	06/27/86	09:06	690	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<300	26.5	69.1	527		<17.0
T4CN	74	26133	06/27/86	09:06	950	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	15.4	59.7	612		14.6
T4CC	32	26140	06/24/86	08:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CN	75	26140	06/24/86	08:52	<11	<0.070	<0.070	<0.060	<0.053	0.537	0.103	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	33	27040	06/19/86	09:15	36	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CN	88	27040	06/19/86	09:15	44	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	34	27062	06/12/86	10:52	27	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CN	87	27062	06/12/86	10:52	29	<0.070	<0.070	<0.060	<0.053	0.119	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	35	28025	06/19/86	14:35	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CN	89	28025	06/19/86	14:35	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4WC	6	28027	06/04/86	07:44	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WN	35	28027	06/04/86	07:44		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4CC	10	03005	06/11/86	11:50	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CN	25	03005	06/11/86	11:50	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4WC	7	33060	06/04/86	08:56	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WN	26	33060	06/04/86	08:56		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4CC	36	35012	06/11/86	16:18	3500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	28.7	192	<14.0		<17.0
T4CN	94	35012	06/11/86	16:18	10000	<0.070	0.908	<0.060	<0.053	0.220	<0.052	<0.070	<1.00	37.4	345	<1.30		<4.20
T4CC	37	35013	06/12/86	14:21	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CN	95	35013	06/12/86	14:21	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	38	35052	06/25/86	12:01	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CN	100	35052	06/25/86	12:01	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	39	35065	06/30/86	09:48	2500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<30.0	23.7	134	<14.0		<17.0
T4CN	106	35065	06/30/86	09:48	1900	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	9.44	86.7	<1.30		10.2
T4WC	1	03523	06/04/86	13:47	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WN	1	03523	06/04/86	13:47		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4CC	40	36001	06/23/86	14:09	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	8.00	<10.0	129	<6.10	<11.0	69.5		<17.0
T4CN	109	36001	06/23/86	14:09	<11	<0.700	<0.700	<0.600	<0.530	0.659	5.66	<0.700	22.6	<2.00	<1.10	59.6		<4.20
T4CC	41	36076	06/25/86	14:24	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3000	27.9	28.2	<14.0		<17.0
T4CN	113	36076	06/25/86	14:24	<11	<1.40	<1.40	<1.20	<1.06	<1.20	<1.04	<1.40	<1.00	32.6	42.8	14.4		19.9
T4CC	42	36082	06/27/86	10:02	490	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<300	179	972	<14.0		<17.0
T4CN	114	36082	06/27/86	10:02	590	<0.700	4.87	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	133	679	4.51		<4.20
T4CC	43	36112	06/30/86	08:52	1000	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	76.8	450	<14.0		<17.0
T4CN	117	36112	06/30/86	08:52	1500	<0.070	<0.070	0.149	<0.053	<0.060	<0.052	<0.070	<1.00	73.3	541	2.59		<4.20
OPGW2	2	37307	06/18/86	11:41	41	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPGW2C	2	37307	06/18/86	11:41	35	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPGW2	3	37308	06/16/86	15:17	330	<0.070	<0.070	<0.060	<0.053	0.521	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		81.8
OPGW2C	3	37308	06/16/86	15:17	270	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		49.2
OPGW2	5	37312	06/17/86	11:13	22	<0.070	<0.070	<0.120	<0.053	1.42	1.11	<0.140	<1.00	<2.00	<1.10	<1.30		<4.20
OPGW2C	1	37312	06/17/86	11:13	14	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPGW2	12	37332	06/16/86	11:58	<11	<0.070	<0.070	<0.060	<0.053	0.363	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPGW2C	5	37332	06/16/86	11:58	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPGW2	21	37343	06/13/86	08:34	1100	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPGW2C	6	37343	06/13/86	08:39	36	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0

SAMPLE LIST T4C

STORET CODE:					81596	34030	34010	34371	98553	98554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	R8	R8	R8	R8	R8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	OSP-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4CC	28	26086	06/24/86	13:55	<2.00	1.95	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	71	26086	06/24/86	13:55	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	29	26127	06/26/86	12:58	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	72	26127	06/26/86	12:58	<12.9	<1.34	2.47	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	30	26128	06/24/86	13:34	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	73	26128	06/24/86	13:34	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	31	26133	06/27/86	09:06	462	605	270	<100	<100	<200	1710		<200	<200	68000	<100	<100	<200
T4CM	74	26133	06/27/86	09:06	<258	645	356	7.77	8.49	58.7	640	<1.10	8.34	<1.20	19200	<0.610	<1.70	<2.40
T4CC	32	26140	06/24/86	08:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	36.0	<1.00	<1.00	<2.00
T4CM	75	26140	06/24/86	08:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	27.9	<0.610	<1.70	<2.40
T4CC	33	27040	06/19/86	09:15	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	3.77	<1.00	<2.00
T4CM	88	27040	06/19/86	09:15	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1.81	2.74	<1.70	<2.40
T4CC	34	27062	06/12/86	10:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	33.9	<1.00	<1.00	<2.00
T4CM	87	27062	06/12/86	10:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	12.5	<0.610	<1.70	<2.40
T4CC	35	28025	06/19/86	14:35	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	89	28025	06/19/86	14:35	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4MC	6	28027	06/04/86	07:44	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	2.25	<2.00
T4MM	35	28027	06/04/86	07:44		1.48	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	1.95	<2.40
T4CC	10	03005	06/11/86	11:58	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.49	<1.00	<1.00	<2.00
T4CM	25	03005	06/11/86	11:58	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4MC	7	33060	06/04/86	08:56	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4MM	26	33060	06/04/86	08:56		1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	36	35012	06/11/86	16:18	<2.00	40.9	1.33	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	94	35012	06/11/86	16:18	<12.9	39.6	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC	37	35013	06/12/86	14:21	<2.00	1.78	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	14.6	<1.00	<1.00	64.1
T4CM	95	35013	06/12/86	14:21	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	5.18	<1.20	<1.20	11.3	<0.610	<1.70	56.0
T4CC	38	35052	06/25/86	12:01	<2.00	5.78	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	2.32	<1.00	<1.00	<2.00
T4CM	100	35052	06/25/86	12:01	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	1.62	<1.40	<0.610	<1.70	<2.40
T4CC	39	35065	06/30/86	09:48	<20.0	<10.0	<10.0	<10.0	<10.0	<20.0	<50.0		<20.0	<20.0	<10.0	<10.0	<10.0	<20.0
T4CM	106	35065	06/30/86	09:48	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	1.35	<1.20	<1.40	<0.610	<1.70	<2.40
T4MC	1	03523	06/04/86	13:47	<2.00	3.88	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	12.4	<1.00	<1.00	<2.00
T4MM	1	03523	06/04/86	13:47		9.04	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	8.97	<0.610	<1.70	<2.40
T4CC	40	36001	06/23/86	14:09	5670	16700	401	572	588	728	125			188	5100	3.49		273
T4CM	109	36001	06/23/86	14:09	3740	27300	582	714	860	1850	RE	7.86	<1.20	<1.20	4780	<0.610	<1.70	282
T4CC	41	36076	06/25/86	14:24	<2000	<1000	<1000	<1000	<1000	<2000	30100		<2000	<2000	14900	<1000	<1000	<2000
T4CM	113	36076	06/25/86	14:24	24.0	490	9.12	<1.28	<1.35	<2.47	3830	1.21	6.43	<1.20	6700	<0.610	<1.70	<2.40
T4CC	42	36082	06/27/86	10:02	<200	104	<100	<100	<100	<200	<500		<200	<200	<100	<100	<100	<200
T4CM	114	36082	06/27/86	10:02	<12.9	4.05	<1.21	<1.28	2.11	<2.47	<5.00	<1.10	<1.20	<1.20	4.15	8.91	<1.70	<2.40
T4CC	43	36112	06/30/86	08:52	<2.00	2.65	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4CM	117	36112	06/30/86	08:52	<12.9	3.65	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	28.9	<0.610	<1.70	<2.40
OPGM2	2	37387	06/18/86	11:41	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPGM2C	2	37387	06/18/86	11:41	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPGM2	3	37388	06/16/86	15:17	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	2.00	2.02	<1.70	<2.40
OPGM2C	3	37388	06/16/86	15:17	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	7.12	3.20	<1.00	<2.00
OPGM2	5	37312	06/17/86	11:13	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPGM2C	1	37312	06/17/86	11:13	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	7.28	<1.00	<1.00	<2.00
OPGM2	12	37332	06/16/86	11:58	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	4.47	<0.610	<1.70	<2.40
OPGM2C	5	37332	06/16/86	11:58	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	6.04	<1.00	<1.00	<2.00
OPGM2	21	37343	06/13/86	08:34	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPGM2C	6	37343	06/13/86	08:39	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00

SAMPLE LIST T4C

STORET CODE:					34511	34475	34301
METHOD CODE:					Y8	Y8	Y8
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T4CC	28	26006	06/24/86	13:55	<1.00	<1.00	<2.00
T4CH	71	26006	06/24/86	13:55	<1.00	<1.30	<0.500
T4CC	29	26127	06/26/86	12:58	<1.00	<1.00	2.37
T4CH	72	26127	06/26/86	12:58	<1.00	<1.30	<0.500
T4CC	30	26128	06/24/86	13:34	<1.00	<1.00	2.39
T4CH	73	26128	06/24/86	13:34	<1.00	<1.30	2.63
T4CC	31	26133	06/27/86	09:06	<100	495	<200
T4CH	74	26133	06/27/86	09:06	<1.00	510	5.25
T4CC	32	26140	06/24/86	08:52	<1.00	<1.00	<2.00
T4CH	75	26140	06/24/86	08:52	<1.00	<1.30	<0.500
T4CC	33	27040	06/19/86	09:15	<1.00	<1.00	<2.00
T4CH	88	27040	06/19/86	09:15	<1.00	<1.30	<0.500
T4CC	34	27062	06/12/86	10:52	<1.00	<1.00	<2.00
T4CH	87	27062	06/12/86	10:52	<1.00	<1.30	<0.500
T4CC	35	28025	06/19/86	14:35	<1.00	<1.00	<2.00
T4CH	89	28025	06/19/86	14:35	<5.00	<1.30	<0.500
T4MC	6	28027	06/04/86	07:44	<1.00	<1.00	<2.00
T4MH	35	28027	06/04/86	07:44	<1.00	<1.30	<0.500
T4CC	10	03005	06/11/86	11:50	<1.00	<1.00	<2.00
T4CH	25	03005	06/11/86	11:50	<1.00	<1.30	<0.500
T4MC	7	33060	06/04/86	08:56	<1.00	<1.00	<2.00
T4MH	26	33060	06/04/86	08:56	<1.00	<1.30	<0.500
T4CC	36	35012	06/11/86	16:18	<1.00	<1.00	80.0
T4CH	94	35012	06/11/86	16:18	<1.00	<1.30	58.3
T4CC	37	35013	06/12/86	14:21	<1.00	4.03	<2.00
T4CH	95	35013	06/12/86	14:21	<1.00	4.31	<0.500
T4CC	38	35052	06/25/86	12:01	<1.00	<1.00	18.3
T4CH	100	35052	06/25/86	12:01	<1.00	<1.30	<0.500
T4CC	39	35065	06/30/86	09:48	<10.0	19.7	<20.0
T4CH	106	35065	06/30/86	09:48	<1.00	15.4	5.76
T4MC	1	03523	06/04/86	13:47	<1.00	<1.00	<2.00
T4MH	1	93523	06/04/86	13:47	<1.00	<1.30	<0.500
T4CC	40	36001	06/23/86	14:09		227	28200
T4CH	109	36001	06/23/86	14:09	<1.00	164	38000
T4CC	41	36076	06/25/86	14:24	<1000	<1000	16500
T4CH	113	36076	06/25/86	14:24	3.00	8.27	6300
T4CC	42	36082	06/27/86	10:02	<100	<100	413
T4CH	114	36082	06/27/86	10:02	<1.00	<1.30	1.90
T4CC	43	36112	06/30/86	08:52	<1.00	<1.00	<2.00
T4CH	117	36112	06/30/86	08:52	<1.00	1.00	<0.500
OPGH2	2	37307	06/18/86	11:41	<1.00	<1.30	<0.500
OPGH2C	2	37307	06/18/86	11:41	<1.00	<1.00	<2.00
OPGH2	3	37308	06/16/86	15:17	<1.00	40.5	<0.500
OPGH2C	3	37308	06/16/86	15:17	<1.00	36.3	<2.00
OPGH2	5	37312	06/17/86	11:13	<1.00	<1.30	<0.500
OPGH2C	1	37312	06/17/86	11:13	<1.00	<1.00	<2.00
OPGH2	12	37332	06/16/86	11:58	<1.00	<1.30	<0.500
OPGH2C	5	37332	06/16/86	11:58	<1.00	<1.00	<2.00
OPGH2	21	37343	06/13/86	08:34	<1.00	<1.30	<0.500
OPGH2C	6	37343	06/13/86	08:39	<1.00	<1.00	<2.00

SAMPLE LIST T4C

STORET CODE:				99133	99133	99133	77985	77985	77985
METHOD CODE:				08	088	48	48	088	48
PARAMETER:				DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME						
T4CC	28	26086	06/24/86 13:55		<15	<4.0		<4.7	<2.0
T4CM	71	26086	06/24/86 13:55	<0.130			<9.31		
T4CC	29	26127	06/26/86 12:58		<15	<4.0		<4.7	<2.0
T4CM	72	26127	06/26/86 12:58	<0.130			<9.31		
T4CC	30	26128	06/24/86 13:34		<15	<4.0		<4.7	<2.0
T4CM	73	26128	06/24/86 13:34	<0.130			<9.31		
T4CC	31	26133	06/27/86 09:06		39	<400		1100	1000
T4CM	74	26133	06/27/86 09:06	26.4			935		
T4CC	32	26140	06/24/86 08:52		<15	<4.0		<4.7	<2.0
T4CM	75	26140	06/24/86 08:52	<0.130			<9.31		
T4CC	33	27040	06/19/86 09:15		<15	<4.0		<4.7	<2.0
T4CM	80	27040	06/19/86 09:15	0.433			<9.31		
T4CC	34	27062	06/12/86 10:52		<15	<4.0		<4.7	<2.0
T4CM	87	27062	06/12/86 10:52	0.330			<9.31		
T4CC	35	28025	06/19/86 14:35		<15	<4.0		<4.7	<2.0
T4CM	89	28025	06/19/86 14:35	<0.130			<9.31		
T4MC	6	28027	06/04/86 07:44		<15	<4.0		<4.7	<2.0
T4MM	35	28027	06/04/86 07:44	<0.130					
T4CC	10	03005	06/11/86 11:58		<15	<4.0		<4.7	6.2
T4CM	25	03005	06/11/86 11:58	<0.130			<9.31		
T4MC	7	33060	06/04/86 08:56		<15	<4.0		<4.7	<2.0
T4MM	26	33060	06/04/86 08:56	<0.130					
T4CC	36	35012	06/11/86 16:18		<15	<4.0		<4.7	<2.0
T4CM	94	35012	06/11/86 16:18	<0.130			<9.31		
T4CC	37	35013	06/12/86 14:21		<15	<4.0		<4.7	<2.0
T4CM	95	35013	06/12/86 14:21	<0.130			<9.31		
T4CC	38	35052	06/25/86 12:01		<15	<4.0		<4.7	<2.0
T4CM	100	35052	06/25/86 12:01	<0.130			<9.31		
T4CC	39	35065	06/30/86 09:48		<15	<40		70	<20
T4CM	106	35065	06/30/86 09:48	<0.130			33.9		
T4MC	1	03523	06/04/86 13:47		53	56		<4.7	<2.0
T4MM	1	03523	06/04/86 13:47	40.9					
T4CC	40	36001	06/23/86 14:09		200	440		73	53
T4CM	109	36001	06/23/86 14:09	141			34.2		
T4CC	41	36076	06/25/86 14:24		<15	<4000		<4.7	<2000
T4CM	113	36076	06/25/86 14:24	0.644			<9.31		
T4CC	42	36082	06/27/86 10:02		<15	<400		28	<200
T4CM	114	36082	06/27/86 10:02	<0.130			17.9		
T4CC	43	36112	06/30/86 08:52		<15	<4.0		<4.7	<2.0
T4CM	117	36112	06/30/86 08:52	<0.130			<9.31		
OPGW2	2	37307	06/18/86 11:41	<0.130			<9.31		
OPGW2C	2	37307	06/18/86 11:41		<15	<4.0		<4.7	<2.0
OPGW2	3	37308	06/16/86 15:17	0.876			111		
OPGW2C	3	37308	06/16/86 15:17		<15	<4.0		150	120
OPGW2	5	37312	06/17/86 11:13	<0.130			<9.31		
OPGW2C	1	37312	06/17/86 11:13		<15	<4.0		<4.7	<2.0
OPGW2	12	37332	06/16/86 11:58	<0.130			<9.31		
OPGW2C	5	37332	06/16/86 11:58		<15	<4.0		<4.7	<2.0
OPGW2	21	37343	06/13/86 08:34	<0.130			<9.31		
OPGW2C	6	37343	06/13/86 08:39		<15	<4.0		<4.7	8.4

SAMPLE LIST T4C

STORET CODE:					98551	34306	39330	39430	39320	39300	39390	39300	81580	98564	98563	98562	81512	98561
METHOD CODE:					808	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
PARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
OPGW2	31	37353	06/12/86	11:32	210	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPGW2C	8	37353	06/12/86	11:32	140	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPGW2	32	37354	06/11/86	10:06	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPGW2C	4	37354	06/11/86	10:06	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WC	2	84007	06/04/86	14:13	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WW	2	84007	06/04/86	14:13		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC	3	84030	06/04/86	08:24	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	35.0	<6.10	<11.0	<14.0		<17.0
T4WW	10	84030	06/04/86	08:24		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4WC	4	84033	06/04/86	09:01	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WW	13	84033	06/04/86	09:01		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4BW	4	86005	06/04/86	11:37	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4BWC	4	6005	06/04/86	11:37	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4BW	5	87001	05/29/86	11:26	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4BWC	1	87001	05/29/86	11:26	*<5.7	*<11.0	*<4.70	*<5.90	*<4.70	*<4.70	*<7.60	*<10.0	<3.00	*<6.10	*<11.0	*<14.0		*<17.0
T4WC	5	89005	06/05/86	11:05	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4WW	15	89005	06/05/86	11:05		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
OPGW2	8	BOLLER	07/01/86	09:32	120	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		8.40
OPGW2C	7	BOLLER	07/01/86	09:32	120	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CC	1	81012	06/25/86	12:50	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4CW	1	81012	06/25/86	12:50	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC	2	81014	07/01/86	08:36	<29	<55.0	<23.5	<29.5	<23.5	<23.5	<38.0	<50.0	<390	<30.5	<55.0	<70.0		<85.0
T4CW	2	81014	07/01/86	08:36	<11	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	4.31	<1.10	<1.30		<4.20

SAMPLE LIST T4C

STORET CODE:					81596	34030	34010	34371	90553	90554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					W8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
OPGW2	31	37353	06/12/86	11:32	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPGW2C	8	37353	06/12/86	11:32	4.01	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPGW2	32	37354	06/11/86	10:06	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPGW2C	4	37354	06/11/86	10:06	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	2.21	<1.00	<1.00	<2.00
T4WC	2	84007	06/04/86	14:13	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	7.38	<1.00	<1.00	<1.00	<2.00
T4WW	2	84007	06/04/86	14:13		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	8.64	<1.40	<0.610	<1.70	<2.40
T4WC	3	84030	06/04/86	08:24	<2.00	3.31	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	4.21	4.40	<1.00	<1.00	<2.00
T4WW	10	84030	06/04/86	08:24		2.96	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	2.54	3.29	<0.610	<1.70	<2.40
T4WC	4	84033	06/04/86	09:01	<2.00	36.6	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4WW	13	84033	06/04/86	09:01		266	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BW	4	86005	06/04/86	11:37	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BWC	4	6005	06/04/86	11:37	<2.00	12.1	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4BW	5	87001	05/29/86	11:26	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4BWC	1	87001	05/29/86	11:26	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4WC	5	89005	06/05/86	11:05	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	10.9	<1.00	<1.00	<1.00	<2.00
T4WW	15	89005	06/05/86	11:05		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	7.29	<1.40	<0.610	<1.70	<2.40
OPGW2	8	BOLLER	07/01/86	09:32	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	27.3	<0.610	<1.70	<2.40
OPGW2C	7	BOLLER	07/01/86	09:32	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	39.7	<1.00	<1.00	<2.00
T4CC	1	81012	06/25/86	12:58	2.58	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	3.87	2.86	<1.00	<1.00	<2.00
T4CW	1	81012	06/25/86	12:58	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	1.75	3.62	1.95	<0.610	<1.70	<2.40
T4CC	2	81014	07/01/86	08:36	<200	185000	1090	441	1090	846	<500		<200	<200	<100	<100	<100	<200
T4CW	2	81014	07/01/86	08:36	<12.9	212000	832	273	696	1740	<5.00	<1.10	<1.20	<1.20	<1.40	8.60	<1.70	<2.40

SAMPLE LIST T4C

STORET CODE:					34511	34475	34301
METHOD CODE:					Y8	Y8	Y8
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
OPGW2	31	37353	06/12/86	11:32	<1.00	<1.30	<0.500
OPGW2C	8	37353	06/12/86	11:32	<1.00	<1.00	<2.00
OPGW2	32	37354	06/11/86	10:06	<1.00	<1.30	<0.500
OPGW2C	4	37354	06/11/86	10:06	<1.00	<1.00	<2.00
T4WC	2	04007	06/04/86	14:13	<1.00	1.03	<2.00
T4WW	2	04007	06/04/86	14:13	<1.00	2.11	<0.500
T4WC	3	04030	06/04/86	08:24	<1.00	<1.00	<2.00
T4WW	10	04030	06/04/86	08:24	<1.00	<1.30	<0.500
T4WC	4	04033	06/04/86	09:01	<1.00	<1.00	<2.00
T4WW	13	04033	06/04/86	09:01	<1.00	<1.30	<0.500
T4BW	4	06005	06/04/86	11:37	<1.00	<1.30	<0.500
T4BWC	4	6005	06/04/86	11:37	<1.00	<1.00	<2.00
T4BW	5	07001	05/29/86	11:26	<1.00	<1.30	<0.500
T4BWC	1	07001	05/29/86	11:26	<1.00	<1.00	<2.00
T4WC	5	09005	06/05/86	11:05	<1.00	2.01	<2.00
T4WW	15	09005	06/05/86	11:05	<1.00	1.84	<0.500
OPGW2	8	BOLLER	07/01/86	09:32	<1.00	6.56	<0.500
OPGW2C	7	BOLLER	07/01/86	09:32	<1.00	5.90	<2.00
T4CC	1	01012	06/25/86	12:50	<1.00	15.8	<2.00
T4CW	1	01012	06/25/86	12:50	<1.00	10.8	<0.500
T4CC	2	01014	07/01/86	08:36	<100	<100	<200
T4CW	2	01014	07/01/86	08:36	<1.00	<1.30	<0.500

SAMPLE LIST T4C

STORET CODE:					99133	99133	99133	77985	77985	77985
METHOD CODE:					08	888	H8	R8	888	H8
PARAMETER:					DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME						
OPGW2	31	37353	06/12/86	11:32	<0.130			<9.31		
OPGW2C	8	37353	06/12/86	11:32		<15	<4.0		<4.7	<2.0
OPGW2	32	37354	06/11/86	10:06	<0.130			<9.31		
OPGW2C	4	37354	06/11/86	10:06		<15	<4.0		<4.7	<2.0
T4WC	2	04007	06/04/86	14:13		<15	<4.0		<4.7	<2.0
T4WW	2	04007	06/04/86	14:13	<0.130					
T4WC	3	04030	06/04/86	08:24		<15	<4.0		<4.7	<2.0
T4WW	10	04030	06/04/86	08:24	<0.130					
T4WC	4	04033	06/04/86	09:01		<15	<4.0		<4.7	<2.0
T4WW	13	04033	06/04/86	09:01	<0.130					
T4BW	4	06005	06/04/86	11:37	<0.130			<9.31		
T4BWC	4	6005	06/04/86	11:37		<15	<4.0		<4.7	<2.0
T4BW	5	07001	05/29/86	11:26	<0.130			<9.31		
T4BWC	1	07001	05/29/86	11:26		*<15	<4.0		*<4.7	<2.0
T4WC	5	09005	06/05/86	11:05		<15	<4.0		<4.7	<2.0
T4WW	15	09005	06/05/86	11:05	<0.130					
OPGW2	8	BOLLER	07/01/86	09:32	0.332			<9.31		
OPGW2C	7	BOLLER	07/01/86	09:32		<15	<4.0		<4.7	<2.0
T4CC	1	01012	06/25/86	12:50		<15	<4.0		<4.7	<2.0
T4CW	1	01012	06/25/86	12:50	0.244			<9.31		
T4CC	2	01014	07/01/86	08:36		<75	<400		72000	3700
T4CW	2	01014	07/01/86	08:36	<0.130			3360		

4TH QUARTER FY 1986 TASK 4 GC/MS CONFIRMATION DATA

FIELD GROUP NUMBERS T4CC2, T4WC2, AND OPG3C ARE GC/MS RESULTS

SAMPLE LIST T4C3

STORET CODE:					98551	34386	39330	39430	39320	39380	39390	39300	81580	98564	98563	98562	81512	98561
METHOD CODE:					888	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
PARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMOS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4C2	4	01021	09/18/86	14:22	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	1	01021	09/18/86	07:00	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	6	01023	09/18/86	11:09	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	2	01023	09/18/86	11:09	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	16	02020	09/17/86	11:16	<11	<0.070	<0.070	<0.060	<0.053	0.438	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	4	02020	09/17/86	11:16	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	19	02034	09/05/86	13:57	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	5	02034	09/05/86	13:57	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	20	02035	09/05/86	15:00	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	6	02035	09/05/86	15:00	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	28	22059	09/03/86	10:24	<11	<0.070	<0.070	<0.060	<0.053	0.127	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	7	22059	09/03/86	10:24	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	29	22060	09/03/86	08:05	<11	<0.070	<0.070	<0.060	<0.053	0.396	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	8	22060	09/03/86	08:05	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	31	23095	09/03/86	12:31	1100	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.80	10.8	91.0	<1.30		<4.20
T4CC2	9	23095	09/03/86	12:31	600	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	4.33	10.1	67.7	<14.0		<17.0
T4C2	33	23125	09/25/86	15:24	19	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	10	23125	09/25/86	15:24	10	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	37	23179	09/02/86	09:57	780	2.29	<1.40	<1.20	<1.06	<1.20	<1.04	<1.40	<1.80	17.9	73.0	73.4		13.6
T4CC2	12	23179	09/02/86	09:57	540	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	55.8	115		<17.0
T4C2	39	23182	09/04/86	10:12	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	14	23182	09/04/86	10:12	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	40	23183	09/04/86	14:07	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	15	23183	09/04/86	14:07	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	58	24178	09/22/86	14:50	380	0.207	<0.070	<0.060	<0.053	3.35	2.22	<0.070	<1.80	<2.00	<1.10	13.5		95.9
T4CC2	18	24178	09/22/86	14:50	>280	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		70.3
T4C2	51	24185	09/23/86	08:50	<11	<0.070	<0.070	<0.060	<0.053	0.396	0.080	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	19	24185	09/23/86	08:50	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	57	25016	09/05/86	11:06	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	0.133	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	20	25016	09/05/86	11:06	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	60	26011	09/19/86	08:54	19	<0.070	0.109	<0.060	<0.053	0.164	<0.052	<0.070	<1.80	<2.00	1.99	<1.30		<4.20
T4CC2	21	26011	09/19/86	08:54	15	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	61	26015	09/22/86	09:10	590	<0.070	<0.070	<0.060	<0.053	0.112	<0.052	<0.070	<1.80	2.46	11.7	<1.30		<4.20
T4CC2	22	26015	09/22/86	09:10	410	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	62	26017	09/22/86	10:53	130	<0.070	<0.070	<0.060	<0.053	0.103	<0.052	<0.070	<1.80	<2.00	5.27	<1.30		<4.20
T4CC2	23	26017	09/22/86	10:53	61	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	63	26020	09/23/86	08:45	920	<0.070	<0.070	<0.060	<0.053	0.201	<0.052	<0.070	<1.80	<2.00	2.93	<1.30		<4.20
T4CC2	24	26020	09/23/86	08:45									<3.00					
T4C2	65	26041	09/23/86	07:10	3300	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	10.0	8.46	54.5	48.8		<42.0
T4CC2	25	26041	09/23/86	07:10	2500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	42.3	<6.10	62.1	<14.0		<17.0
T4C2	72	26127	09/29/86	10:20	1700	<0.070	<0.070	<0.060	<0.053	2.42	0.366	1.14	<1.80	4.42	34.3	<1.30		<4.20
T4CC2	26	26127	09/29/86	10:20	1300	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	40.1	<14.0		<17.0
T4C2	74	26133	09/19/86	12:07	950	<1.40	<1.40	<0.060	<1.06	2.24	<1.04	<1.40	<1.80	11.4	31.7	360		31.4
T4CC2	27	26133	09/19/86	12:07	470	<11.0	<4.70	<5.90	<4.70	7.84	<7.60	<10.0	<300	13.8	35.3	408		18.6
T4C2	76	26142	09/24/86	07:48	<11	<0.070	<0.700	<0.060	<0.053	2.52	<0.520	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	28	26142	09/24/86	07:48	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	122	27016	09/26/86	08:22	14	<0.070	<0.070	<0.060	<0.053	0.246	<0.052	<0.070	<1.60	<2.00	<1.10	<1.30		<4.20
T4CC2	29	27016	09/26/86	08:22	6.6	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	81	27053	09/19/86	08:52	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30		<4.20
T4CC2	30	27053	09/19/86	08:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0

SAMPLE LIST T4C3

STORET CODE:					81596	34030	34010	34371	90553	90554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4C2	4	01021	09/10/86	14:22	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	1	01021	09/10/86	07:00	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	6	01023	09/10/86	11:09	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	2	01023	09/10/86	11:09	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	16	02020	09/17/86	11:16	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	2.58	<1.20	31.9	<0.610	<1.70	<2.40
T4CC2	4	02020	09/17/86	11:16	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		2.82	<2.00	36.0	<1.00	<1.00	<2.00
T4C2	19	02034	09/05/86	13:57	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	4.29	<1.20	13.3	<0.610	<1.70	<2.40
T4CC2	5	02034	09/05/86	13:57	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		4.61	<2.00	14.6	<1.00	<1.00	<2.00
T4C2	20	02035	09/05/86	15:00	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	6.74	<1.20	162	<0.610	<1.70	13.5
T4CC2	6	02035	09/05/86	15:00	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		10.0	<2.00	>166	<1.00	<1.00	16.7
T4C2	28	22059	09/03/86	10:24	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	14.1	<0.610	<1.70	<2.40
T4CC2	7	22059	09/03/86	10:24	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	17.9		<2.00	<2.00	9.89	<1.00	<1.00	<2.00
T4C2	29	22060	09/03/86	08:05	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	8	22060	09/03/86	08:05	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	>160		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	31	23095	09/03/86	12:31	<12.9	22.8	6.40	2.85	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1420	<0.610	<1.70	<2.40
T4CC2	9	23095	09/03/86	12:31	6.22	23.7	<1.00	<1.00	<1.00	2.25	<5.00		<2.00	<2.00	3860	43.1	<1.00	<2.00
T4C2	33	23125	09/25/86	15:24	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1.71	<0.610	<1.70	<2.40
T4CC2	10	23125	09/25/86	15:24	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	2.24	<1.00	<1.90	<2.00
T4C2	37	23179	09/02/86	09:57	<12.9	32.8	460	<1.28	<1.35	<2.47	128	<1.10	<1.20	<1.20	26900	<0.610	<1.70	<2.40
T4CC2	12	23179	09/02/86	09:57	<2.00	31.5	<1.00	<1.00	<1.00	2.85	150		3.35	<2.00	>16600	122	<1.00	<2.00
T4C2	39	23182	09/04/86	10:12	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	14	23182	09/04/86	10:12	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	40	23183	09/04/86	14:07	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	15	23183	09/04/86	14:07	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	50	24178	09/22/86	14:50	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	124	<0.610	<1.70	2.66
T4CC2	18	24178	09/22/86	14:50	<2.00	1.14	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	163	1.39	<1.00	2.73
T4C2	51	24185	09/23/86	08:50	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	19	24185	09/23/86	08:50	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	57	25016	09/05/86	11:06	<12.9	15.4	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	20	25016	09/05/86	11:06	<2.00	5.62	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	60	26011	09/19/86	08:54	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	21	26011	09/19/86	08:54	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	61	26015	09/22/86	09:10	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	22	26015	09/22/86	09:10	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	62	26017	09/22/86	10:53	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	23	26017	09/22/86	10:53	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	63	26020	09/23/86	08:45	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	24	26020	09/23/86	08:45	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	65	26041	09/23/86	07:10	<12.9	48.4	729	2.22	<1.35	2.59	<100	<22.0	<24.0	<24.0	<28.0	19.9	<34.0	<48.0
T4CC2	25	26041	09/23/86	07:10	25.1	<27.5	<25.0	<5.00	<5.00	<10.0	<25.0		<10.0	<10.0	<5.00	<25.0	<5.00	<10.0
T4C2	72	26127	09/29/86	10:20	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	26	26127	09/29/86	10:20	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	74	26133	09/19/86	12:07	<323	562	195	8.41	8.52	55.0	<25.0	<1.10	<6.00	<600	48000	<61.0	<170	<240
T4CC2	27	26133	09/19/86	12:07	<200	536	199	<100	<100	<200	814		<200	<200	68300	<100	<100	<200
T4C2	76	26142	09/24/86	07:48	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	28	26142	09/24/86	07:48	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	122	27016	09/26/86	08:22	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	29	27016	09/26/86	08:22	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	81	27053	09/19/86	08:52	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	30	27053	09/19/86	08:52	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00

SAMPLE LIST T4C3

STORET CODE:				34511	34475	34301
METHOD CODE:				Y8	Y8	Y8
PARAMETER:				112TCE	TCLEE	CLC6M5
UNITS:				UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME			
T4C2	4	01021	09/10/86 14:22	<1.00	<1.30	<0.500
T4CC2	1	01021	09/10/86 07:00	<1.00	<1.00	<2.00
T4C2	6	01023	09/10/86 11:09	<1.00	<1.30	<0.500
T4CC2	2	01023	09/10/86 11:09	<1.00	<1.00	<2.00
T4C2	16	02020	09/17/86 11:16	<1.00	<1.30	<0.500
T4CC2	4	02020	09/17/86 11:16	<1.00	<1.00	<2.00
T4C2	19	02034	09/05/86 13:57	<1.00	1.36	<0.500
T4CC2	5	02034	09/05/86 13:57	<1.00	<1.00	<2.00
T4C2	20	02035	09/05/86 15:00	<1.00	2.90	<0.500
T4CC2	6	02035	09/05/86 15:00	<1.00	3.59	<2.00
T4C2	28	22059	09/03/86 10:24	<1.00	<1.30	<0.500
T4CC2	7	22059	09/03/86 10:24	<1.00	<1.00	<2.00
T4C2	29	22060	09/03/86 08:05	<1.00	<1.30	<0.500
T4CC2	8	22060	09/03/86 08:05	<1.00	<1.00	<2.00
T4C2	31	23095	09/03/86 12:31	<1.00	31.5	<0.500
T4CC2	9	23095	09/03/86 12:31	<1.00	34.3	<2.00
T4C2	33	23125	09/25/86 15:24	<1.00	<1.30	<0.500
T4CC2	10	23125	09/25/86 15:24	<1.00	<1.00	<2.00
T4C2	37	23179	09/02/86 09:57	<1.00	67.7	<0.500
T4CC2	12	23179	09/02/86 09:57	<1.00	59.0	<2.00
T4C2	39	23182	09/04/86 10:12	<1.00	<1.30	<0.500
T4CC2	14	23182	09/04/86 10:12	<1.00	<1.00	<2.00
T4C2	40	23183	09/04/86 14:07	<1.00	<1.30	<0.500
T4CC2	15	23183	09/04/86 14:07	<1.00	<1.00	<2.00
T4C2	50	24178	09/22/86 14:50	<1.00	48.2	<0.500
T4CC2	18	24178	09/22/86 14:50	<1.00	55.7	<2.00
T4C2	51	24185	09/23/86 08:50	<1.00	<1.30	<0.500
T4CC2	19	24185	09/23/86 08:50	<1.00	<1.00	<2.00
T4C2	57	25016	09/05/86 11:06	<1.00	<1.30	<0.500
T4CC2	20	25016	09/05/86 11:06	<1.00	<1.00	<2.00
T4C2	60	26011	09/19/86 08:54	<1.00	<1.30	<0.500
T4CC2	21	26011	09/19/86 08:54	<1.00	<1.00	<2.00
T4C2	61	26015	09/22/86 09:10	<1.00	<1.30	<0.500
T4CC2	22	26015	09/22/86 09:10	<1.00	<1.00	<2.00
T4C2	62	26017	09/22/86 10:53	<1.00	<1.30	<0.500
T4CC2	23	26017	09/22/86 10:53	<1.00	<1.00	<2.00
T4C2	63	26020	09/23/86 08:45	<1.00	<1.30	<0.500
T4CC2	24	26020	09/23/86 08:45	<1.00	<1.00	<2.00
T4C2	65	26041	09/23/86 07:10	<20.0	<26.0	<11.6
T4CC2	25	26041	09/23/86 07:10	<5.00	<5.00	<10.0
T4C2	72	26127	09/29/86 10:20	<1.00	<1.30	<0.500
T4CC2	26	26127	09/29/86 10:20	<1.00	<1.00	3.52
T4C2	74	26133	09/19/86 12:07	<5.00	<6.50	<2.90
T4CC2	27	26133	09/19/86 12:07	<100	437	<200
T4C2	76	26142	09/24/86 07:48	<1.00	<1.30	<0.500
T4CC2	28	26142	09/24/86 07:48	<1.00	<1.00	<2.00
T4C2	122	27016	09/26/86 08:22	<1.00	<1.30	<0.500
T4CC2	29	27016	09/26/86 08:22	<1.00	<1.00	<2.00
T4C2	81	27053	09/19/86 08:52	<1.00	<1.30	<0.500
T4CC2	30	27053	09/19/86 08:52	<1.00	<1.00	<2.00

SAMPLE LIST T4C3

STORET CODE:				99133	99133	99133	77905	77905	77905
METHOD CODE:				Q8	B88	H8	R8	B88	H8
PARAMETER:				DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME						
T4C2	4	01021	09/18/86 14:22	<0.130			<9.31		
T4CC2	1	01021	09/18/86 07:00		<15	<4.0		<4.7	<2.0
T4C2	6	01023	09/18/86 11:09	<0.130			<9.31		
T4CC2	2	01023	09/18/86 11:09		<15	<4.0		<4.7	<2.0
T4C2	16	02020	09/17/86 11:16	<0.130			<9.31		
T4CC2	4	02020	09/17/86 11:16		<15	<4.0		<4.7	<2.0
T4C2	19	02034	09/05/86 13:57	<0.130			<9.31		
T4CC2	5	02034	09/05/86 13:57		<15	<4.0		<4.7	<2.0
T4C2	20	02035	09/05/86 15:00	<0.130			<9.31		
T4CC2	6	02035	09/05/86 15:00		<15	<4.0		<4.7	<2.0
T4C2	28	22059	09/03/86 10:24	0.149			<9.31		
T4CC2	7	22059	09/03/86 10:24		<15	<4.0		<4.7	<2.0
T4C2	29	22060	09/03/86 08:05	<0.130			<9.31		
T4CC2	8	22060	09/03/86 08:05		<15	<4.0		<4.7	<2.0
T4C2	31	23095	09/03/86 12:31	<0.130			674		
T4CC2	9	23095	09/03/86 12:31		<15	<4.0		900	680
T4C2	33	23125	09/25/86 15:24	<0.130			<9.31		
T4CC2	10	23125	09/25/86 15:24		<15	<4.0		<4.7	<2.0
T4C2	37	23179	09/02/86 09:57	1.82			626		
T4CC2	12	23179	09/02/86 09:57		<15	<4.0		870	790
T4C2	39	23182	09/04/86 10:12	<0.130			<9.31		
T4CC2	14	23182	09/04/86 10:12		<15	<4.0		<4.7	<2.0
T4C2	40	23183	09/04/86 14:07	<0.130			<9.31		
T4CC2	15	23183	09/04/86 14:07		<15	<4.0		<4.7	<2.0
T4C2	50	24178	09/22/86 14:50	5.50			31.9		
T4CC2	18	24178	09/22/86 14:50		<15	5.1		56	47
T4C2	51	24185	09/23/86 08:50	<0.130			<9.31		
T4CC2	19	24185	09/23/86 08:50		<15	<4.0		<4.7	<2.0
T4C2	57	25016	09/05/86 11:06	<0.130			<9.31		
T4CC2	20	25016	09/05/86 11:06		<15	<4.0		<4.7	<2.0
T4C2	60	26011	09/19/86 08:54	<0.130			<9.31		
T4CC2	21	26011	09/19/86 08:54		<15	<4.0		<4.7	<2.0
T4C2	61	26015	09/22/86 09:10	<0.130			<9.31		
T4CC2	22	26015	09/22/86 09:10		<15	<4.0		<4.7	<2.0
T4C2	62	26017	09/22/86 10:53	<0.130			<9.31		
T4CC2	23	26017	09/22/86 10:53		<15	<4.0		<4.7	<2.0
T4C2	63	26020	09/23/86 08:45	<0.130			<9.31		
T4CC2	24	26020	09/23/86 08:45			<4.0			<2.0
T4C2	65	26041	09/23/86 07:10	<0.130			23.5		
T4CC2	25	26041	09/23/86 07:10		<15	<20		73	47
T4C2	72	26127	09/29/86 10:20	<0.130			<9.31		
T4CC2	26	26127	09/29/86 10:20		<15	<4.0		<4.7	<2.0
T4C2	74	26133	09/19/86 12:07	25.9			736		
T4CC2	27	26133	09/19/86 12:07		30	<400		770	850
T4C2	76	26142	09/24/86 07:48	<0.130			<9.31		
T4CC2	28	26142	09/24/86 07:48		<15	<4.0		<4.7	<2.0
T4C2	122	27016	09/26/86 08:22	<0.130			<9.31		
T4CC2	29	27016	09/26/86 08:22		<15	<4.0		<4.7	<2.0
T4C2	83	27053	09/19/86 08:52	<0.130			<9.31		
T4CC2	30	27053	09/19/86 08:52		<15	<4.0		<4.7	<2.0

SAMPLE LIST T4C3

STORET CODE:					90551	34386	39330	39430	39320	39380	39390	39300	81500	90564	90563	90562	81512	90561
METHOD CODE:					B08	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
PARAMETER:					DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4M2	19	33024	09/03/86	10:50	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4MC2	1	33024	09/03/86	10:50	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4M2	21	33026	08/28/86	13:53	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4MC2	2	33026	08/28/86	13:53	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4M2	23	33030	09/04/86	09:40		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4MC2	3	33030	09/04/86	09:40	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4M2	25	33034	09/04/86	11:37		<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4MC2	4	33034	09/04/86	11:37	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	97	35037	09/05/86	12:30	<11	<0.070	<0.070	<0.060	<0.053	3.64	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	32	35037	09/05/86	12:30	<5.7	<11.0	<4.70	<5.90	<4.70	8.84	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	98	35038	09/05/86	13:31	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	33	35038	09/05/86	13:31	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	101	35058	09/08/86	10:10	<11	<0.070	<0.070	<0.060	<0.053	1.44	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	34	35058	09/08/86	10:10	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	105	35063	09/15/86	11:37	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	35	35063	09/15/86	11:37	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	106	35065	09/08/86	11:17	2500	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	14.2	113	<1.30		<4.20
T4CC2	36	35065	09/08/86	11:17	1500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	104	<14.0		<17.0
T4C2	110	36065	09/26/86	11:44	43	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	37	36065	09/26/86	11:41	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4C2	114	36082	09/26/86	10:45	580	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.00	126	896	6.35		<4.20
T4CC2	39	36082	09/26/86	10:45	480	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	197	1220	<14.0		<17.0
T4C2	120	36121	09/26/86	13:40	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
T4CC2	38	36121	09/26/86	13:40	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	1	37305	08/26/86	14:56	1700	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	1	37305	08/26/86	14:56	1000	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	6	37313	08/26/86	10:15	3900	<0.350	<0.350	<0.300	<0.265	<0.300	<0.260	<0.350	<1.00	4.15	9.45	<1.30		<4.20
OPG3C	2	37313	08/26/86	10:15	3700	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	7	37320	09/22/86	12:06	19	<0.070	<0.070	<0.060	<0.053	0.865	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	3	37320	09/22/86	12:06	13	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	25	37347	08/25/86	10:13	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	5	37347	08/25/86	00:00	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	27	37349	09/11/86	07:53	42	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	6	37349	09/11/86	07:53	31	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
OPG3	31	37353	09/12/86	07:38	660	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	4	37353	09/12/86	07:38	>94	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
OPG3	34	37356	09/08/86	10:43	180	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	7	37356	09/08/86	10:43	150	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
OPG3	35	37357	09/11/86	10:47	22	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.00	<2.00	<1.10	<1.30		<4.20
OPG3C	8	37357	09/11/86	10:47	10	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
T4M2	4	84014	08/26/86	00:04	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4MC2	5	84014	08/26/86	00:04	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T4M2	6	84021	08/25/86	10:10	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4MC2	6	84021	08/25/86	10:10	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	5.64	<6.10	<11.0	<14.0		<17.0
T4M2	8	84027	08/26/86	11:59	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070						
T4MC2	7	84027	08/26/86	11:59	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0

SAMPLE LIST T4C3

STORET CODE:					81596	34030	34010	34371	98553	98554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T4M2	19	33024	09/03/86	10:50		3.68	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4MC2	1	33024	09/03/86	10:50	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	47.3		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4M2	21	33026	08/28/86	13:53		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4MC2	2	33026	08/28/86	13:53	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4M2	23	33030	09/04/86	09:40		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1.78	<0.610	<1.70	<2.40
T4MC2	3	33030	09/04/86	09:40	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	.53	<1.00	<1.00	<2.00
T4M2	25	33034	09/04/86	11:37		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4MC2	4	33034	09/04/86	11:37	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.91	<1.00	<1.00	<2.00
T4C2	97	35037	09/05/86	12:30	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	24.6	<0.610	<1.70	<2.40
T4CC2	32	35037	09/05/86	12:30	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	33.0	<1.00	<1.00	<2.00
T4C2	96	35038	09/05/86	13:31	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	33	35038	09/05/86	13:31	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	101	35056	09/08/86	10:18	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	7.83	<0.610	<1.70	<2.40
T4CC2	34	35058	09/08/86	10:18	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	9.40	<1.00	<1.00	<2.00
T4C2	105	35063	09/15/86	11:37	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<0.50	<9.60
T4CC2	35	35063	09/15/86	11:37	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	106	35065	09/08/86	11:17	<12.9	<1.34	>8.55	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	4.92	0.776	<1.70	<2.40
T4CC2	36	35065	09/08/86	11:17	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4C2	110	36065	09/26/86	11:44	<12.9	4.09	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	43.9	<0.610	<1.70	11.5
T4CC2	37	36065	09/26/86	11:41	<2.00	7.73	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	73.5	<1.00	<1.00	17.8
T4C2	114	36082	09/26/86	10:45	<12.9	<1.34	<1.21	<1.28	2.69	3.43	<5.00	<1.10	<1.20	<1.20	4.28	<0.610	<1.70	<2.40
T4CC2	39	36082	09/26/86	10:45	<2.00	<1.00	<1.00	<1.00	2.10	<2.00	<5.00		<2.00	<2.00	3.43	15.6	<1.00	<2.00
T4C2	120	36121	09/26/86	13:40	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4CC2	38	36121	09/26/86	13:40	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	1	37305	08/26/86	14:56	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	1	37305	08/26/86	14:56	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	6	37313	08/26/86	10:15	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	0.617	<1.70	<2.40
OPG3C	2	37313	08/26/86	10:15	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	7	37320	09/22/86	12:06	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	3	37320	09/22/86	12:06	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.87	<1.00	<1.00	<2.00
OPG3	25	37347	08/25/86	10:13	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	5	37347	08/25/86	00:00	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	27	37349	09/11/86	07:53	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	6	37349	09/11/86	07:53	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
OPG3	31	37353	09/12/86	07:38	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	4	37353	09/12/86	07:38	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
OPG3	34	37356	09/08/86	10:43	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
OPG3C	7	37356	09/08/86	10:43	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
OPG3	35	37357	09/11/86	10:47	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	11.0	<0.610	<1.70	<2.40
OPG3C	8	37357	09/11/86	10:47	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
T4M2	4	84014	08/26/86	08:04		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4MC2	5	84014	08/26/86	08:04	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T4M2	6	84021	08/25/86	10:18		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4MC2	6	84021	08/25/86	10:18	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.84	<1.00	<1.00	<2.00
T4M2	8	84027	08/26/86	11:59		<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4MC2	7	84027	08/26/86	11:59	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00

SAMPLE LIST T4C3

STORET CODE:					34511	34475	34301
METHOD CODE:					Y8	Y8	Y8
PARAMETER:					112TCE	TCLEE	CLC6H5
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T4M2	19	33024	09/03/86	10:50	<1.00	<1.30	<0.500
T4MC2	1	33024	09/03/86	10:50	<1.00	<1.00	<2.00
T4M2	21	33026	08/28/86	13:53	<1.00	<1.30	<0.500
T4MC2	2	33026	08/28/86	13:53	<1.00	<1.00	<2.00
T4M2	23	33030	09/04/86	09:40	<1.00	<1.30	<0.500
T4MC2	3	33030	09/04/86	09:40	<1.00	<1.00	<2.00
T4M2	25	33034	09/04/86	11:37	<1.00	<1.30	<0.500
T4MC2	4	33034	09/04/86	11:37	<1.00	<1.00	<2.00
T4C2	97	35037	09/05/86	12:30	<1.00	<1.30	<0.500
T4CC2	32	35037	09/05/86	12:30	<1.00	<1.00	<2.00
T4C2	98	35038	09/05/86	13:31	<1.00	<1.30	<0.500
T4CC2	33	35038	09/05/86	13:31	<1.00	<1.00	<2.00
T4C2	101	35058	09/08/86	10:18	<1.00	<1.30	<0.500
T4CC2	34	35058	09/08/8[illegible]	10:18	<1.00	<1.00	<2.00
T4C2	105	35063	09/15/86	11:37	<5.00	<1.30	<0.500
T4CC2	35	35063	09/15/86	11:37	<1.00	<1.00	<2.00
T4C2	106	35065	09/08/86	11:17	<1.00	11.0	5.77
T4CC2	36	35065	09/08/86	11:17	<1.00	10.7	4.44
T4C2	110	36065	09/26/86	11:44	<1.00	<1.30	1.78
T4CC2	37	36065	09/26/86	11:41	<1.00	<1.00	2.87
T4C2	114	36082	09/26/86	10:45	<1.00	1.55	<0.500
T4CC2	39	36082	09/26/86	10:45	<1.00	1.09	2.16
T4C2	120	36121	09/26/86	13:40	<1.00	<1.30	<0.500
T4CC2	38	36121	09/26/86	13:40	<1.00	<1.00	<2.00
OPG3	1	37305	08/26/86	14:56	<1.00	<1.30	<0.500
OPG3C	1	37305	08/26/86	14:56	<1.00	<1.00	<2.00
OPG3	6	37313	08/26/86	10:15	<1.00	<1.30	<0.500
OPG3C	2	37313	08/26/86	10:15	<1.00	<1.00	<2.00
OPG3	7	37320	09/22/86	12:06	<1.00	<1.30	<0.500
OPG3C	3	37320	09/22/86	12:06	<1.00	<1.00	<2.00
OPG3	25	37347	08/25/86	10:13	<1.00	<1.30	<0.500
OPG3C	5	37347	08/25/86	00:00	<1.00	<1.00	<2.00
OPG3	27	37349	09/11/86	07:53	<1.00	<1.30	<0.500
OPG3C	6	37349	09/11/86	07:53	NA	NA	NA
OPG3	31	37353	09/12/86	07:38	<1.00	<1.30	<0.500
OPG3C	4	37353	09/12/86	07:38	NA	NA	NA
OPG3	34	37356	09/08/86	10:43	<1.00	<1.30	<0.500
OPG3C	7	37356	09/08/86	10:43	<1.00	<1.00	<2.00
OPG3	35	37357	09/11/86	10:47	<1.00	2.24	<0.500
OPG3C	8	37357	09/11/86	10:47	NA	NA	NA
T4M2	4	84014	08/26/86	08:04	<1.00	<1.30	<0.500
T4MC2	5	84014	08/26/86	08:04	<1.00	<1.00	<2.00
T4M2	6	84021	08/25/86	10:18	<1.00	<1.30	<0.500
T4MC2	6	84021	08/25/86	10:18	<1.00	<1.00	<2.00
T4M2	8	84027	08/26/86	11:59	<1.00	<1.30	<0.500
T4MC2	7	84027	08/26/86	11:59	<1.00	<1.00	<2.00

SAMPLE LIST T4C3

STORET CODE:					99133	99133	99133	77985	77985	77985
METHOD CODE:					OE	BBB	RB	RB	BBB	RB
PARAMETER:					DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME						
T4M2	19	33024	09/03/86	10:50	<0.130					
T4MC2	1	33024	09/03/86	10:50		<15	<4.0		<4.7	<2.0
T4M2	21	33026	08/28/86	13:53	<0.130					
T4MC2	2	33026	08/28/86	13:53		<15	<4.0		<4.7	<2.0
T4M2	23	33030	09/04/86	09:40	5.46					
T4MC2	3	33030	09/04/86	09:40		<15	4.9		<4.7	<2.0
T4M2	25	33034	09/04/86	11:37	<0.130					
T4MC2	4	33034	09/04/86	11:37		<15	<4.0		<4.7	<2.0
T4C2	97	35037	09/05/86	12:30	<0.130			<9.31		
T4CC2	32	35037	09/05/86	12:30		<15	<4.0		<4.7	<2.0
T4C2	98	35038	09/05/86	13:31	<0.130			<9.31		
T4CC2	33	35038	09/05/86	13:31		<15	<4.0		<4.7	<2.0
T4C2	101	35058	09/08/86	10:18	<0.130			<9.31		
T4CC2	34	35058	09/08/86	10:18		<15	<4.0		<4.7	<2.0
T4C2	105	35063	09/15/86	11:37	<0.130			<9.31		
T4CC2	35	35063	09/15/86	11:37		<15	<4.0		<4.7	<2.0
T4C2	106	35065	09/08/86	11:17	<0.130			24.0		
T4CC2	36	35065	09/08/86	11:17		<15	<4.0		42	27
T4C2	110	36065	09/26/86	11:44	1.07			<9.31		
T4CC2	37	36065	09/26/86	11:41		<15	<4.0		<4.7	<2.0
T4C2	114	36082	09/26/86	10:45	0.191			24.3		
T4CC2	39	36082	09/26/86	10:45		<15	<4.0		31	30
T4C2	120	36121	09/26/86	13:40	<0.130			<9.31		
T4CC2	38	36121	09/26/86	13:40		<15	<4.0		<4.7	<2.0
OPG3	1	37305	08/26/86	14:56	<0.130			<9.31		
OPG3C	1	37305	08/26/86	14:56		<15	<4.0		<4.7	<2.0
OPG3	6	37313	08/26/86	10:15	<0.130			<9.31		
OPG3C	2	37313	08/26/86	10:15		<15	<4.0		<4.7	<2.0
OPG3	7	37320	09/22/86	12:06	<0.130			<9.31		
OPG3C	3	37320	09/22/86	12:06		<15	<4.0		<4.7	<2.0
OPG3	25	37347	08/25/86	10:13	<0.130			<9.31		
OPG3C	5	37347	08/25/86	00:00		<15	<4.0		<4.7	<2.0
OPG3	27	37349	09/11/86	07:53	<0.130			<9.31		
OPG3C	6	37349	09/11/86	07:53		<15	NA		<4.7	NA
OPG3	31	37353	09/12/86	07:38	<0.130			<9.31		
OPG3C	4	37353	09/12/86	07:38		<15	NA		<4.7	NA
OPG3	34	37356	09/08/86	10:43	<0.130			<9.31		
OPG3C	7	37356	09/08/86	10:43		<15	<4.0		<4.7	<2.0
OPG3	35	37357	09/11/86	10:47	<0.130			<9.31		
OPG3C	8	37357	09/11/86	10:47		<15	NA		<4.7	NA
T4M2	4	84014	08/26/86	08:04	11.5					
T4MC2	5	84014	08/26/86	09:04		<15	9.1		<4.7	<2.0
T4M2	6	84021	08/25/86	10:18	<0.130					
T4MC2	6	84921	08/25/86	10:18		<15	<4.0		<4.7	<2.0
T4M2	8	84027	08/26/86	11:59	38.8					
T4MC2	7	84027	08/26/86	11:59		43	<4.0		<4.7	<2.0

TASK 44 GC/MS CONFIRMATION DATA

FIELD GROUP NUMBER T44GM53 IS GC/MS RESULTS

SAMPLE LIST T4PAUL

STORET CODE:				98551	34386	39330	39430	39320	39380	39390	39300	81580	98564	98563	98562	81512	98561
METHOD CODE:				888	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
PARAMETER:				DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-DXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD_GRP.	#	SAMPLE ID	DATE	TIME													
T44GMS3	1	01008	05/05/87	10:13	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44IS3	1	01008	05/05/87	10:13	<11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
T44RR3	1	01008	06/02/87	08:51	<11	<0.083	<0.083	<0.056	<0.046	0.154	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44CM3	7	02008	05/05/87	13:19	<11	<0.083	<0.083	<0.056	<0.046	0.069	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	2	02008	05/05/87	13:19	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44RR3	3	02008	06/02/87	08:58	<11	<0.083	<0.083	<0.056	<0.046	0.080	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	3	04009	05/06/87	07:36	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44WM3	9	04009	05/06/87	07:36	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	1.50	<1.98
T44GMS3	4	09002	05/05/87	14:16	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44RR3	12	09002	06/03/87	09:55	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44WM3	106	09002	05/05/87	14:16	<11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
T44GMS3	5	22051	05/13/87	07:52	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44ZS-3	5	23004	05/13/87	10:08	1600	<0.415	<0.415	<0.280	<0.230	3.48	0.512	<0.295	<1.16	2.92	10.8	<1.08	<1.14	<1.98
T44GMS3	6	23004	0../13/87	10:08	930	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	9.08	48.2	24.6		<17.0
T44ZS-3	6	23029	05/13/87	11:44	420	<0.083	<0.083	<0.056	<0.046	0.670	0.421	<0.059	8.47	13.1	55.0	30.1	1.41	12.7
T44GMS3	7	23029	05/13/87	11:44	230	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
T44ZS-3	11	23189	05/14/87	08:36	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	8	23189	05/14/87	08:36	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44GMS3	9	23193	05/14/87	08:28	NA	NA	NA	NA	NA	NA	NA	NA	27.5	NA	NA	NA		NA
T44IS3	9	23193	05/14/87	08:28	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	1.68	<1.08	<1.14	<1.98
T4[illegible]S-3	15	24092	05/18/87	08:42	30	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	10	24092	05/18/87	08:42	25	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44ZS-3	16	24106	05/18/87	13:35	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	11	24106	05/18/87	13:35	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44ZS-3	18	24111	05/14/87	13:55	220	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	12	24111	05/14/87	13:55	120	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44ZS-3	19	24113	05/18/87	10:46	13	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	13	24113	05/18/87	10:46	8.4	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44ZS-3	20	24120	05/19/87	13:43	<11	<0.083	<0.083	<0.056	<0.046	0.125	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	14	24120	05/19/87	13:43	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44ZS-3	22	24127	05/12/87	14:33	680	<0.083	<0.083	<0.056	<0.046	1.14	0.819	>0.066	<1.16	2.09	6.45	22.9	<1.14	92.6
T44GMS3	15	24127	05/12/87	14:43	310	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	22.3		49.5
T44ZS-3	24	27849	05/12/87	15:12	<11	<0.083	<0.083	<0.056	<0.046	0.136	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	17	27849	05/12/87	15:12	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44CM3	64	27855	05/08/87	09:15	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	19	27855	05/08/87	09:15	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44ZS-3	25	27874	05/13/87	09:47	<11	<0.083	<0.083	<0.056	<0.046	0.180	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	20	27874	05/13/87	09:47	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	NA	<6.10	<11.0	<14.0		<17.0
T44GMS3	21	33002	05/05/87	08:21	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44RR3	17	33002	06/02/87	14:41	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44WM3	108	33002	05/05/87	08:21	<11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
T44GMS3	22	33063	05/06/87	14:24	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	<6.10	<11.0	<14.0		<17.0
T44WM3	32	33063	05/06/87	14:24	<11	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.98
T44GMS3	23	35016	05/06/87	15:16	3600	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	14.7	160	<14.0		<17.0
T44IS3	23	35016	05/06/87	15:16	5400	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	16.9	183	1.25	3.56	<1.98
T44GMS3	25	35066	05/12/87	07:47	1400	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44GMS3	26	36084	05/12/87	10:20	5400	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	44.6	346	<14.0		<17.0
T44IS3	30	36084	05/12/87	10:20	12000	<2.08	<2.08	<1.40	<1.15	<1.38	<1.50	<1.48	<1.16	68.6	498	<1.08	5.27	<1.98
T44GMS3	27	36090	05/06/87	13:51	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<3.00	1230	1060	<14.0		<17.0
T44IS3	31	36090	05/06/87	13:51	13	<0.083	<0.083	<0.056	<0.046	<0.055	<0.060	<0.059	<1.16	1170	1110	8.46	14.6	<1.98

SAMPLE LIST T4PAUL

STORET CODE:				81596	34030	34010	34371	90553	90554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:				R8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:				MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
SLD.GRP.	#	SAMPLE ID	DATE TIME														
T44GMS3	1	81008	05/05/87 10:13	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	6.57	<1.00	<1.00	<2.00
T441S3	1	81008	05/05/87 10:13	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	4.29	<0.610	<1.70	<2.40
T44RR3	1	81008	06/02/87 08:51	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	6.93	<0.610	<1.70	<2.40
T44CW3	7	82008	05/05/87 13:19	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	2	82008	05/05/87 13:19	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T44RR3	3	82008	06/02/87 08:58	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	3	84009	05/06/87 07:36	<2.00	3.40	7.23	20.6	62.3	67.4	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T44WW3	9	84009	05/06/87 07:36	<12.9	3.05	5.20	13.7	45.1	53.4	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	4	89002	05/05/87 14:16	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T44RR3	12	89002	06/03/87 09:55	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44WW3	106	89002	05/05/87 14:16	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	5	22051	05/13/87 07:52	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	1.66	<1.00	<1.00	<1.50
T4425-3	5	23004	05/13/87 10:08	<12.9	<134	<121	<128	<135	<247	<500	<110	<120	<120	7330	<61.0	<170	<240
T44GMS3	6	23004	05/13/87 10:08	<2.00	10.3	<1.00	<1.00	<1.00	<2.00	34.0		<2.00	<1.20	>160	54.3	<1.00	<1.50
T4425-3	6	23029	05/13/87 11:44	<12.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
T44GMS3	7	23029	05/13/87 11:44	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
T4425-3	11	23189	05/14/87 08:36	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	8	23189	05/14/87 08:36	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	1.41	<1.00	<1.00	<1.50
T44GMS3	9	23193	05/14/87 08:28	<2.00	3.36	<1.00	<1.00	<1.00	2.50	<4.00		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T441S3	9	23193	05/14/87 08:28	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T4425-3	15	24092	05/18/87 08:42	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	10	24092	05/18/87 08:42	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	16	24106	05/18/87 13:35	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	11	24106	05/18/87 13:35	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	18	24111	05/14/87 13:55	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	1.58	<0.610	<1.70	<2.40
T44GMS3	12	24111	05/14/87 13:55	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	1.21	<1.00	<1.00	<1.50
T4425-3	19	24113	05/18/87 10:46	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	13	24113	05/18/87 10:46	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	20	24120	05/19/87 13:43	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	14	24120	05/19/87 13:43	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	22	24127	05/12/87 14:33	<12.9	2.15	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	104	4.25	<1.70	<2.40
T44GMS3	15	24127	05/12/87 14:43	<2.00	2.89	<1.00	<1.00	<1.00	<2.00	7.23		<2.00	<1.20	139	8.12	<1.00	<1.50
T4425-3	24	27049	05/12/87 15:12	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	19.4	<0.610	<1.70	<2.40
T44GMS3	17	27049	05/12/87 15:12	<2.00	1.13	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	26.3	<1.00	<1.00	<1.50
T44CW3	64	27055	05/08/87 09:15	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	19	27055	05/08/87 09:15	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T4425-3	25	27074	05/13/87 09:47	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	27.0	<0.610	<1.70	<2.40
T44GMS3	20	27074	05/13/87 09:47	NA	NA	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA
T44GMS3	21	33002	05/05/87 08:21	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T44RR3	17	33002	06/02/87 14:41	<12.9	8.23	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44WW3	108	33002	05/05/87 08:21	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	22	33063	05/06/87 14:24	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	1.38	<1.00	<1.00	<2.00
T44WW3	32	33063	05/06/87 14:24	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	23	35016	05/06/87 15:16	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	<2.00	<1.00	<1.00	<1.00	<2.00
T441S3	23	35016	05/06/87 15:16	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	25	35066	05/12/87 07:47	<2.00	2.88	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	2.34	<1.00	<1.00	<1.50
T44GMS3	26	36084	05/12/87 10:20	<2.00	7.68	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	74.5	37.1	19.1	<1.00	<1.50
T441S3	30	36084	05/12/87 10:20	<12.9	8.47	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	56.7	34.5	11.9	<1.70	<2.40
T44GMS3	27	36090	05/06/87 13:51	<2.00	<1.00	<1.00	<1.00	<1.00	<2.00	<5.00		<2.00	13.6	4.56	>158	<1.00	<2.00
T441S3	31	36090	05/06/87 13:51	<12.9	<1.34	<1.21	2.84	<1.35	<2.47	<5.00	<1.10	<1.20	14.9	3.99	265	<1.70	<2.40

SAMPLE LIST T4PAUL

STORET CODE:					99133	99133	99133	77985	77985	77985
METHOD CODE:					08	888	H8	H8	888	H8
PARAMETER:					DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME						
T44GMS3	1	01000	05/05/87	10:13		<15	<4.0		<4.7	<2.0
T441S3	1	01000	05/05/87	10:13	<0.130			<9.31		
T44RR3	1	01000	06/02/87	08:51	<0.130			<9.31		
T44CW3	7	02000	05/05/87	13:19	<0.130			<9.31		
T44GMS3	2	02000	05/05/87	13:19		<15	<4.0		<4.7	<2.0
T44RR3	3	02000	06/02/87	08:58	<0.130			<9.31		
T44GMS3	3	04009	05/06/87	07:36		<15	<4.0		<4.7	<2.0
T44WW3	9	04009	05/06/87	07:36	<0.130			<9.31		
T44GMS3	4	09002	05/05/87	14:16		<15	<4.0		<4.7	<2.0
T44RR3	12	09002	06/03/87	09:55	<0.130			<9.31		
T44WW3	106	09002	05/05/87	14:16	<0.130			<9.31		
T44GMS3	5	22051	05/13/87	07:52		<15	<3.8		<4.7	<1.1
T4425-3	5	23004	05/13/87	10:08	1.42			414		
T44GMS3	6	23004	05/13/87	10:08		<15	<3.8		720	>170
T4425-3	6	23029	05/13/87	11:44	<0.130			<9.31		
T44GMS3	7	23029	05/13/87	11:44		<15	NA		<4.7	NA
T4425-3	11	23109	05/14/87	08:36	<0.130			<9.31		
T44GMS3	8	23109	05/14/87	08:36		<15	<3.8		<4.7	2.0
T44GMS3	9	23193	05/14/87	08:28		NA	<3.8		NA	<1.1
T441S3	9	23193	05/14/87	08:28	<0.130			<9.31		
T4425-3	15	24092	05/18/87	08:42	<0.130			<9.31		
T44GMS3	10	24092	05/18/87	08:42		<15	<3.8		<4.7	<1.1
T4425-3	16	24106	05/18/87	13:35	<0.130			<9.31		
T44GMS3	11	24106	05/18/87	13:35		<15	<3.8		<4.7	<1.1
T4425-3	18	24111	05/14/87	13:55	<0.130			<9.31		
T44GMS3	12	24111	05/14/87	13:55		<15	<3.8		<4.7	<1.1
T4425-3	19	24113	05/18/87	10:46	<0.130			<9.31		
T44GMS3	13	24113	05/18/87	10:46		<15	<3.8		<4.7	<1.1
T4425-3	20	24120	05/19/87	13:43	<0.130			<21.6		
T44GMS3	14	24120	05/19/87	13:43		<15	<3.8		<4.7	<1.1
T4425-3	22	24127	05/[illegible]/87	14:33	3.64			169		
T44GMS3	15	24127	05/[illegible]/87	14:43		<15	<3.8		190	>170
T4425-3	24	27049	05/12/87	15:12	<0.130			<9.31		
T44GMS3	17	27049	05/12/87	15:12		<15	<3.8		<4.7	1.2
T44CW3	64	27055	05/08/87	09:15	<0.130			<9.31		
T44GMS3	19	27055	05/08/87	09:15		<15	<3.8		<4.7	<1.1
T4425-3	25	27074	05/13/87	09:47	<0.130			<9.31		
T44GMS3	20	27074	05/13/87	09:47		<15	NA		<4.7	NA
T44GMS3	21	33002	05/05/87	08:21		<15	<4.0		<4.7	<2.0
T44RR3	17	33002	06/02/87	14:41	<0.130			<9.31		
T44WW3	106	33002	05/05/87	08:21	<0.130			<9.31		
T44GMS3	22	33063	05/06/87	14:24		<15	<4.0		<4.7	<2.0
T44WW3	37	33063	05/06/87	14:24	3.21			<9.31		
T44GMS3	23	35016	05/06/87	15:16		<15	<4.0		<4.7	<2.0
T441S3	23	35016	05/06/87	15:16	<0.130			<9.31		
T44GMS3	25	35066	05/12/87	07:47		<15	<3.8		<4.7	<1.1
T44GMS3	26	36084	05/12/87	10:20		<15	<3.8		<4.7	<1.1
T441S3	30	36084	05/12/87	10:20	<0.130			<9.31		
T44GMS3	27	36090	05/06/87	13:51		<15	<4.0		<4.7	<2.0
T441S3	31	36090	05/06/87	13:51	<0.130			<9.31		

SAMPLE LIST T4PAUL

STORET CODE:				34511	34475	34301
METHOD CODE:				Y8	Y8	Y8
PARAMETER:				112TCE	TCLEE	CLC6H5
UNITS:				UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME			
T44GMS3	1	01060	05/05/87 10:13	<1.00	<1.00	<2.00
T441S3	1	01000	05/05/87 10:13	<1.00	<1.30	<0.500
T44RR3	1	01000	06/02/87 08:51	<1.00	<1.30	<0.500
T44CW3	7	02000	05/05/87 13:19	<1.00	<1.30	<0.500
T44GMS3	2	02000	05/05/87 13:19	<1.00	<1.00	<2.00
T44RR3	3	02000	06/02/87 08:58	<1.00	<1.30	<0.500
T44GMS3	3	04009	05/06/87 07:36	<1.00	<1.00	<2.00
T44WW3	9	04009	05/06/87 07:36	<1.00	<1.30	<0.500
T44GMS3	4	09002	05/05/87 14:16	<1.00	1.65	<2.00
T44RR3	12	09002	06/03/87 09:55	<1.00	1.59	<0.500
T44WW3	106	09002	05/05/87 14:16	<1.00	1.93	<0.500
T44GMS3	5	22051	05/13/87 07:52	<1.00	<1.00	<2.10
T4425-3	5	23004	05/13/87 10:08	<100	<130	<58.0
T44GMS3	6	23004	05/13/87 10:08	<1.00	36.9	<2.10
T4425-3	6	23029	05/13/87 11:44	NA	NA	NA
T44GMS3	7	23029	05/13/87 11:44	NA	NA	NA
T4425-3	11	23109	05/14/87 08:36	<1.00	<1.30	<0.500
T44GMS3	8	23109	05/14/87 08:36	<1.00	<1.00	<2.10
T44GMS3	9	23193	05/14/87 08:28	<1.00	<1.00	<2.10
T441S3	9	23193	05/14/87 08:28	<1.00	<1.30	<0.500
T4425-3	15	24092	05/18/87 08:42	<1.00	<1.30	<0.500
T44GMS3	10	24092	05/18/87 08:42	<1.00	<1.00	<2.10
T4425-3	16	24106	05/18/87 13:35	<1.00	<1.30	<0.500
T44GMS3	11	24106	05/18/87 13:35	<1.00	<1.00	<2.10
T4425-3	18	24111	05/14/87 13:55	<1.00	<1.30	<0.500
T44GMS3	12	24111	05/14/87 13:55	<1.00	<1.00	<2.10
T4425-3	19	24113	05/18/87 10:46	<1.00	<1.30	<0.500
T44GMS3	13	24113	05/18/87 10:46	<1.00	<1.00	<2.10
T4425-3	20	24120	05/19/87 13:43	<1.00	<1.30	<0.500
T44GMS3	14	24120	05/19/87 13:43	<1.00	<1.00	<2.10
T4425-3	22	24127	05/12/87 14:33	<1.00	70.1	<0.500
T44GMS3	15	24127	05/12/87 14:43	<1.00	84.6	<2.10
T4425-3	24	27049	05/12/87 15:12	<1.00	<1.30	<0.500
T44GMS3	17	27049	05/12/87 15:12	<1.00	<1.00	<2.10
T44CW3	64	27055	05/08/87 09:15	<1.00	<1.30	<0.500
T44GMS3	19	27055	05/08/87 09:15	<1.00	<1.00	<2.10
T4425-3	25	27074	05/13/87 09:47	<1.00	<1.30	<0.500
T44GMS3	20	27074	05/13/87 09:47	NA	NA	NA
T44GMS3	21	33002	05/05/87 08:21	<1.00	<1.00	<2.00
T44RR3	17	33002	06/02/87 14:41	<1.00	<1.30	32.7
T44WW3	108	33002	05/05/87 08:21	<1.00	<1.30	<0.500
T44GMS3	22	33063	05/06/87 14:24	<1.00	<1.00	<2.00
T44WW3	32	33063	05/06/87 14:24	<1.00	<1.30	<0.500
T44GMS3	23	35016	05/06/87 15:16	<1.00	<1.00	6.00
T441S3	23	35016	05/06/87 15:16	<1.00	<1.30	19.5
T44GMS3	25	35066	05/12/87 07:47	<1.00	<1.00	<2.10
T44GMS3	26	36084	05/12/87 10:20	21.0	7.51	5.30
T441S3	30	36084	05/12/87 10:20	36.8	8.76	4.71
T44GMS3	27	36090	05/06/87 13:51	2.43	18.9	39.5
T441S3	31	36090	05/06/87 13:51	4.47	23.6	55.9

SAMPLE LIST T4PAUL

STORET CODE:				98551	34386	39330	39430	39320	39380	39390	39300	81580	98564	98563	98562	81512	98561
METHOD CODE:				B88	S8	S8	S8	S8	S8	S8	S8	U8	U8	U8	U8	U8	U8
PARAMETER:				DIMP	HCCPD	ALDRIN	ISODRIN	P,P'-DDE	DIELDRIN	ENDRIN	P,P'-DDT	DMDS	1,4-OXAT	1,4-DITH	CPMS	BTZ	CPMSO
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD GRP.	#	SAMPLE ID	DATE TIME														
T44CM3	92	36110	05/11/87 15:42	<11	<0.003	<0.003	<0.056	<0.046	>0.050	<0.060	<0.059	<1.16	<1.35	<1.59	<1.08	<1.14	<1.90
T44GMS3	28	36110	05/11/87 15:42	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44CM3	97	36139	05/11/87 14:39	420	<0.415	<0.415	<0.200	<0.230	<0.275	<0.300	<0.295	<1.16	58.9	302	3.79	6.79	<1.90
T44GMS3	29	36139	05/11/87 14:39	170	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	44.9	241	<14.0		<17.0
T44GMS3	41	37309	07/08/87 08:56	500	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		15.7
T44OP3	4	37309	06/16/87 09:45	830	<0.700	<0.700	<0.600	<0.530	<0.600	<0.520	<0.700	<1.80	<2.00	6.48	<1.30	<2.00	27.1
T44GMS3	42	37332	07/08/87 08:05	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44OP3	9	37332	06/18/87 08:29	<11	<0.070	<0.070	<0.060	<0.053	0.711	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30	<2.00	<4.20
T44GMS3	43	37333	07/09/87 07:[illegible]	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44OP3	10	37333	06/18/87 09:39	<11	<0.070	<0.070	<0.060	<0.053	0.205	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30	<2.00	<4.20
T44GMS3	44	37344	07/08/87 11:15	560	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		53.8
T44GMS3	45	37359	07/08/87 09:45	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0
T44OP3	33	37359	06/17/87 10:25	<11	<0.070	<0.070	<0.060	<0.053	<0.060	<0.052	<0.070	<1.80	<2.00	<1.10	<1.30	<2.00	<4.20
T44GMS3	46	C111	07/08/87 09:55	<5.7	<11.0	<4.70	<5.90	<4.70	<4.70	<7.60	<10.0	<2.50	<6.10	<11.0	<14.0		<17.0

SAMPLE LIST T4PAUL

STORET CODE:					81596	34030	34010	34371	90553	90554	34423	34501	34496	34546	32106	34531	34506	32102
METHOD CODE:					R8	W8	W8	W8	W8	W8	Y8	Y8	Y8	Y8	Y8	Y8	Y8	Y8
PARAMETER:					MIBK	BENZENE	TOLUEN	ETHYLBENZ	M-XYL	O&P-XYL	METHYLCL	11DCE	11DCLE	T12DCE	CHCL3	12DCLE	111TCE	CCL4
UNITS:					UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME														
T44CM3	92	36110	05/11/87	15:42	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	91.6	2.61	<1.70	<2.40
T44GMS3	28	36110	05/11/87	15:42	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	<1.00	<1.00	<1.50
T44CM3	97	36139	05/11/87	14:39	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	25.4	28.4	<1.70	<2.40
T44GMS3	29	36139	05/11/87	14:39	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	4.28	27.6	<1.00	<1.50
T44GMS3	41	37309	07/08/87	08:56	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	6.25	<1.00	<1.50
T44OP3	4	37309	06/16/87	09:45	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	6.27	<1.70	<2.40
T44GMS3	42	37332	07/08/87	08:05	<2.00	1.75	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	2.78	<1.00	<1.00	<1.50
T44OP3	9	37332	06/18/87	08:29	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	<1.40	<0.610	<1.70	<2.40
T44GMS3	43	37333	07/09/87	07:20	<2.00	48.0	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	16.7	<1.00	<1.00	<1.50
T44OP3	10	37333	06/18/87	09:39	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	<1.20	<1.20	13.5	<0.610	<1.70	<2.40
T44GMS3	44	37344	07/08/87	11:15	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	>160	3.93	<1.00	9.30
T44GMS3	45	37359	07/08/87	09:45	<2.00	2.09	<1.00	<1.00	<1.00	<2.00	<4.00		2.58	<1.20	<1.00	<1.00	2.86	<1.50
T44OP3	33	37359	06/17/87	10:25	<12.9	<1.34	<1.21	<1.28	<1.35	<2.47	<5.00	<1.10	2.31	1.26	<1.40	<0.610	3.70	<2.40
T44GMS3	46	C111	07/08/87	09:55	<2.00	<1.10	<1.00	<1.00	<1.00	<2.00	<4.00		<2.00	<1.20	<1.00	<1.00	1.08	<1.50

SAMPLE LIST T4PAUL

STORET CODE:				99133	99133	99133	77985	77985	77985
METHOD CODE:				Q8	B88	N8	R8	B88	N8
PARAMETER:				DBCP	DBCP	DBCP	DCPD	DCPD	DCPD
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME						
T44CM3	92	36110	05/11/87 15:42	<0.130			<9.31		
T44GMS3	28	36110	05/11/87 15:42		<15	<3.8		<4.7	<1.1
T44CM3	97	36139	05/11/87 14:39	<0.138			<9.31		
T44GMS3	29	36139	05/11/87 14:39		<15	<3.8		<4.7	<1.1
T44GMS3	41	37309	07/08/87 08:56		<15	<3.8		840	>170
T44OP3	4	37309	06/16/87 09:45	0.176			475		
T44GMS3	42	37332	07/08/87 08:05		<15	<3.8		<4.7	<1.1
T44OP3	9	37332	06/18/87 08:29	<0.130			<9.31		
T44GMS3	43	37333	07/09/87 07:20		<15	<3.8		<4.7	<1.1
T44OP3	10	37333	06/18/87 09:39	<0.130			<9.31		
T44GMS3	44	37344	07/08/87 11:15		<15	12		<4.7	43
T44GMS3	45	37359	07/08/87 09:45		<15	<3.8		<4.7	1.8
T44OP3	33	37359	06/17/87 10:25	<0.130			<9.31		
T44GMS3	46	C111	07/08/87 09:55		<15	<3.8		<4.7	<1.1

SAMPLE LIST T4PAUL

STORET CODE:					34511	34475	34301
METHOD CODE:					Y8	Y8	Y8
PARAMETER:					112TCE	TCLEE	CLC6HS
UNITS:					UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE	TIME			
T44CW3	92	36110	05/11/87	15:42	<1.00	<1.30	<0.500
T44GMS3	28	36110	05/11/87	15:42	<1.00	<1.00	<2.10
T44CW3	97	36139	05/11/87	14:39	<1.00	<1.30	<0.500
T44GMS3	29	36139	05/11/87	14:39	<1.00	<1.00	<2.10
T44GMS3	41	37309	07/08/87	08:56	<1.00	73.5	<2.10
T44OP3	4	37309	06/16/87	09:45	<1.00	45.4	<0.500
T44GMS3	42	37332	07/08/87	08:05	<1.00	<1.00	6.64
T44OP3	9	37332	06/18/87	08:29	<1.00	<1.30	<0.500
T44GMS3	43	37333	07/09/87	07:20	<1.00	<1.00	<2.10
T44OP3	10	37333	06/18/87	09:39	<1.00	<1.30	<0.500
T44GMS3	44	37344	07/08/87	11:15	<1.00	116	3.09
T44GMS3	45	37359	07/08/87	09:45	<1.00	3.17	10.8
T44OP3	33	37359	06/17/87	10:25	<1.00	3.95	<0.500
T44GMS3	46	C111	07/08/87	09:55	<1.00	1.74	<2.10

GC/MS DATA FOR TENTATIVELY IDENTIFIED COMPOUNDS

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01008	01012	01014	01020	02008	02019	02020	02036	02034	I 02035	I 02035	02037	02038	02039	03005	03523	04007	04009	04014	04021	04027	04030	04033	05005	07001
ANALYTES WITH 10 OR MORE OCCURRENCES																									
1,1,2,2-tetrachloroethane		7.41		5.33					10.6	17.6					14.4				16	6.44					
1,1,2-trichloroethane									7.34	9.64		2.83			7.59										
2,6,10,14-tetramethylhexadecane								55.1																	
2,6,10-trimethyl pentadecane								45																	
butyl-ethylhexyl phthalate								14.9																	
caprolactam	350								219		73.9			165					700	1120	666		5.75		
chlorobenzene				54.6																					
cyclopentanone						19.8																16.8			
hexadecanoic acid								89.2		6.76			8.47												
n-eicosane				15.7		335		76.3							109										
n-nonadecane						111		32.6							32.4										
n-heptadecane				38.2		1250		152		11.3					672										
n-hexadecane				19.4		706		36.4		37.9					323										
n-nonanecane		14.4		19.9		731		117		8.45					303										
n-pentadecane						210		27.2							113										
n-tetradecane						49									27.7										
octanecane						1030		125							517										
octadecanoic acid										14.8															
tetrachloroethene																									
THF (tetrahydrofuran)		28.7																							
ANALYTES WITH LESS THAN 10 OCCURRENCES																									
1,1-bis(methylthio)ethane																									
1,2,3,4,5,7,7-heptachloronorbornene																									
1,2-dichloroethane																									
1,2-dichloroethene				13																					
1,2-dichloropropene				33.4																					
1,3 cyclopentadiene																									
1,3,6-dioxathiolane																									
1,3-dioxolane				8.13																					
1,3-dioxolane-2-thione																									
1,4-cyclooctadiene			2400																						
1,4-dithiane																									
1,4-dithiane																									
1-propanone									19.8																
1-(4-hydroxy-3-methoxyphenol)ethanone																									
2 propanone								40																	
2,2,2-trichloroethanol																									
2,3-dichloro-2-methylbenzyl alcohol																									
2,4-imidazolidinedione																									
2,6,10,14-tetraethylhexadecane		11.4																							
2,6,10,14-tetraethylpentadecane		36																							
2,6,10,14-tetramethylheptadiene																									
2,6,10,14-tetramethylpentadecane								52.1																	
2,6,10,14-tetramethylpentadiene																									
2-cyclohexen-1-one																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01008	01012	01014	01020	02008	02019	02020	02030	02034	I 02035	I 02035	02037	02038	02039	03005	03523	04007	04009	04014	04021	04027	04030	04033	06005	07001
2-methylcyclopentanone																									
2-methyl-2,4-pentanol																									
2-propanol																									
2-(4-methyl-2-furyl)-2-cyclopenten-1-one																									
3,3,5-trimethylcyclohexanone																									
3,5-dimethyl-1,2,4-trithiolane																									
3-methylhexane																									
3-methyl-1,3,5-hexatriene			7700																						
4-hydroxy-4-methyl-2-pentanone																									
8-oxatricyclo[2,2,2,0,2,6]-octan-7-ol																									
acetophenone																									
azidobenzene																									
benzamine																									
benzothiazene																									
bicyclodihydropentamiene			155e																						
bicyclo[2,2,1]hept-2-en-7-ol																									
biphenyl-ol																									
butyl octadecanoate																									
butylglycolacetate																									
butyltetradecanoate													15.e												
chlorotarn								6.1																	
chloroethyl phenol																									
chloro-methyl sulfoxylamide																									
cholest-3-ene																									
CPMS isomer																									
cyclohexanone																									
cyclopenten-1-one																									
decanoic acid						25.9		28.3																	
dehydropyran																									
dichlorobenzene				144																					
diheptylphthalate		14.7																							
dihydroxymethylbenzoate																									
dimethoxymethane																									
dimethylphthalate																									
dimethylsulfide																									
dimethyltrithiolane																									
diphenyl ether																									
DMMP																									
docosane						65.2									13.2										
dodecanamide																									
dodecanoic acid								28?					9.11												
ethylbenzene			2600															15.5							
hexachlorocholestacyclooctene																									
heptachlorobicyclo[2,2,1]hept-2-ene																									
heptachloro-bicyclo[2,2,1]heptane																									
hexanone																									
hexachlorocyclo[2,2,1]hepta-2-one																									
hexachloronaphthalene																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01006	01012	01014	01020	02008	02019	02020	02030	02034	02035 I	02035 I	02037	02038	02033	93065	03523	04007	04009	04014	04021	04027	04030	04033	06005	07001
hexadecanamide																									
hexanoic acid								6.82																	
hexanol																									
hexanone																									
isobutyl octadecanoate													10.2												
isobutylbenzene																									
isopropylbenzene																									
limonene																									
methoxybenzaldehyde																									
methyl ester of dihydroxybenzoic acid																									
methyl octene																									
methylbenzylamine																									
methylethylbenzene			750																						
methylnaphthalene			6050															33.8							
methylsulfonylbenzene																									
methylthio-1-butanone																									
methyltricyclo[3,2,1,0,2,7]oct-3-ene-5-carboxylate																8.32									
methyl-2,4-pentanediol																									
n-octa-4,8-diene																									
n [illegible]				10.4																					
naphthalene			1520																						
nonanal																									
nonane																									
n,n-dibutylacetamide																									
n,n-diethylbenzylamine																									
n-benzylacetamide																									
n-methylmethanamide ?								6.5																	
n-nitrosodipropylamide																									
n-n'-bis (1-methylethyl) urea																									
n-propylpropanine																									
n-tridecane																									
octadecanamide														21.5											
octadecanethiol?																									
octanoic acid														11.4											
pentachlorophenol																									
phenol																									
pyrophosphoric acid																									
propanoic acid																									
propanedinitryl																									
propanil																									
propanoic acid																									
propylbenzene																		27.1							
pyridine																									
p-isopropylbenzaldehyde																									
siloxane																									
sulfur																									
tetrachlorobenzene																									
tetrachlorophenol																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01008	01012	01014	01020	02008	02019	02020	02030	02034	I 02035	I 02055	02037	02038	02039	03005	03523	04007	04009	04014	04021	04027	04036	04033	06005	07001
tetrachlorocumanone																									
tetracycloheptane																									
tetradecanoic acid								61.4																	
tetradecanol																									
thiophene																									
toluene			3630																						
trichlorobenzene																									
tricyclo[2.2.1.02.6]-heptan-3-ol																									
triethyl ester of phophoric acid																									
triethylphosphate																									
trimetayl ester of phosporothioic acid																									
trimethylbenzene																									
trimethylcyclohexane																									
xylene																		76.4							
xylene 527			3600																						
xylene 530			7000																						
freon																									
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl propionate	9				7																				
ethyl, metayl benzene																		100							
ethyl dimethyl benzene																		51							
dodecyloxyethanol																		21.2							
bistrimethylsilylurea																									
oxatricyclooctanone																									
2,6-1-butyl-4-methyl phenol																									
trichlorocyclopentene																									
5-ethyl-5-sec.amyl-2,4,6(1h,3h,5h)-pyrimidinetrione																									
5-methyl-1,3-oxathiane																									
	166	2	6	16	11	1	11	6	19	6	7	1	1	4	3	11	1	9	7	2	2	1	1	1	9	9
General groups of compounds																									
alkene			g						g							g									
635			28.1		12.1		29.1				12.1			10.8	35.2										
aliphatic hydrocarbon					g		g		g						g										
alkane			g		g																				
chlorinated compound																									
640			27.3		6.35						7.01			5.45	35.5										
sulfur compound																									
650			19.6		6.91						9.97			6.95	32.9										
655			53.9		12						19.5			11.2	57.8										
alkene or alcohol									g																
632					6.30						6.69			5.68	13.9										
alkane or alkene																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	01008	01012	01014	01020	02008	02019	02020	02030	02034	I 02035	I 02035	02037	02038	02039	03005	03523	04007	04005	04014	04021	04027	04030	04033	06005	07001
643		77.5		22.9									56.2												
671		12.6								5.6		6.49	19.8												
651		7.83											13.6												
636																				7.45					
bicyclo compound			8																						
654																									
amine													6.63												
648																									
chlorohydrocarbon																									
669																									
649																									
bicyclo or tricyclo compound																									
alicyclic compound			8																						
631													6.81												
alcohol or unsaturated fatty acid													8												
alcohol																									
663																									
647																									
664																									
alkyne																									
acid or alcohol																									
637																									
646																									
638																									
aliphatic cyclic compound																									
phthalate																									
	36	6	5	2	3	0	2	0	3	0	6	0	6	12	0	1	0	0	0	0	1	0	0	0	0	0

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	09062	09665	11002	22021	22024	22651	22659	22066	23064	23029	23035	23-191	23-192	25125	23142	23177	23179	23175	23182	23183	23185	23168	23190	24032	24106
ANALYTES WITH 10 OR MORE OCCURRENCES																									
1,1,2,2-tetrachloroethane							39.1					16.7			13.6		22.2	25.9			14.2	10.4	7.31		
1,1,2-trichloroethane							26.6					10.7			7.39		6.52	17.2			8.38				
2,6,10,14-tetramethylheptadecane													15.3				14.7				12.7	23.7			
2,6,10-trimethyl pentadecane				131	58u										73	65.7	35.5					32.5	74		
bis(2-ethylhexyl) phthalate						19.9											7.46				10.6		52.9		
caprolactam	935						451	28.6				263	29.9					179u							13.6
chlorobenzene																									
cyclopentanone				14.6	26.9										65.2		40.5					16.2			
hexadecanoic acid																	63.3								
n-eicosane				129	358								14.6		33.1	55.8	19.7					32	59.9		
n-heneicosane				38.5	103										12	19.5	7.9				11.7	11.7	16.6		
n-heptadecane				532	1750							50.2	49.3		157	259	133				36.3	137	267		
n-hexadecane				342	1000							23.2	26.3		46.1	154	85.8					73.7	134		
n-nonadecane				247	745							27.3	25		70.9	112	62.7				21.1	72.4	143		
n-pentadecane				114	504								1.54		44.4	47.5						33.1	46.6		
n-tetradecane				36.2	12u										10.6	11.3							6.75		
octadecane				382	1620							25.2	36		134	257						66.9	226		
octadecanoic acid																									
tetrachloroethene									11.2		29.4						17.7	46.2							
THF (tetrahydrofuran)														9.7											
ANALYTES WITH LESS THAN 10 OCCURRENCES																									
1,1-dimethylthiolethane																									
1,2,3,4,5,7,7-heptachloronorbornene																									
1,2-dichloroethane																									
1,2-dichloroethene																									
1,2-dichloropropene																									
1,3 cyclopentadiene																									
1,3,6-dioxathiolane																									
1,3-dithiolane																									
1,3-dithiolane-2-thione																									
1,4-cyclooctadiene																									
1,4-dithian																									
1,4-dithiane																						13.5			
1-propanine																									
1-(4-hydroxy-3-methoxyphenol)ethanone																									
2 propanone																									
2,2,2-trichloroethanol																									
2,3-dichloro-2-methylbenzyl alcohol																									
2,4-imidazolidinedione																									
2,6,10,14-tetramethylhexadecane				111																					
2,6,10,14-tetramethylpentadecane												24.7													
2,6,10,14-tetramethylheptadecane																									
2,6,10,14-tetramethylpentadecane													17.3												
2,6,10,14-tetramethylpentadecene																									
2-cyclohexen-1-one																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	09002	09005	11002	22021	22024	22051	22059	22060	23004	23029	23095	23-191	23-192	23125	23142	23177	23179	23179	23182	23183	23185	23188	23190	24052	24106
2-methylcyclopentanone																									
2-methyl-2,4-pentanol																									
2-propanol																									
2-(4-methyl-2-furyl)-2-cyclopenten-1-one																	102								
3,3,5-trimethylcyclohexanone																									
3,5-dimethyl-1,2,4-trithiolane																									
3-methylhexane																									
3-methyl-1,3,5-hexatriene																									
4-hydroxy-4-methyl-2-pentanone																	16.7	34.5							
8-oxatricyclo[3.2.2.0,2,6]-oct-3-ol																									
acetophenone																									
azidobenzene																									
benzamine																									
benzothiazene																									
bicyclomethylpentadiene																									
bicyclo[2.2.1]hept-2-en-7-ol																									
biphenyl-ol				6.75	47.1																				
butyl octadecanoate																									
butylcyclohexane																									
butylhexadecanoate																									
chloroform																									
chloromethyl phenol																									
chloro-methyl sulfonylamide																									
cholest-3-ene																									
CMHS isomer																									
cyclohexanone																									
cyclopenten-1-one																									
decanoic acid					14.8																				
dehydropyran																									
dichlorobenzene																									
diheptylmetalate																	10.3								
dihydroxymethylbenzoate																									
dimethoxymethane															46.4					5.88					
dimethylhexanoate																									
dimethylsulfide																									
dimethyltritetralane																									
diphenyl ether																									
DMNP																7.99	8.51							7.31	
docosane					34.3																				
dodecanamide																								41.3	
dodecanoic acid																									
ethylbenzene									16.7																
hexachlorobicycloheptene											35.5							15							
heptachlorobicyclo[2.2.1]hept-2-ene																									
hexachloro-bicyclo[2.2.1]heptane																									
heptanone																									
hexachlorocyclo[2.2.1]hepta-2-ene											8.4						33.4	15.1							
hexachlorostyrene																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	09902	09065	11002	22021	22024	22051	22059	22060	23004	23029	23095	23-191	23-192	23125	23142	23177	I 23179	I 23179	23182	23183	23185	23186	23190	24092	24106
hexadecanamide																									
hexanoic acid																									
hexanol																									
hexanone																									
isobutyl octadecanoate																									
isobutylbenzene																		699							
isopropylbenzene																									
limonene					3.95																				
methoxybenzaldehyde																									
methyl ester of dihydroxybenzoic acid																									
methyl octane																									
methylbenzylamine											97														
methylethylbenzene																									
methylnaphthalene																	26.3								
methylsulfoxylbenzene									17.6																
methylthio-1-butanone																									
methyltricyclo[3.2.1.0.2,7]oct-3-ene-5-c																									
methyl-2,4-pentanediol																									
n-octa-4,8-diene																									
n methyl lutidon																									
naphthalene																									
nonanal					12.9																				
nonane																									
n,n-dibutylacetamide																									
n,n-dimethylbenzylamine																									
n-octylacetamide																								5.24	
n-methylmethanamide ?																									
n-nitrosodipropylamide																									
n-n'-bis (1-methylethyl) urea																									
n-propylpropanol																									
n-tridecane				7.64	19.4																				
octadecanamide																					14.5				
octadecanethiol?																									
octanoic acid																									
pentachlorophenol																									
phenol																									
pentadecanethiol																	8.68								
propanoic acid											21.5														
propanenitryl											38.6														
propanol																		6.8							
propanoic acid																									
propylbenzene																									
pyridine																									
p-isopropylbenzaldehyde																									
siloxane																									
sulfur																									
tetrachlorobenzene									29.5								9.21								
tetrachlorophenol																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	09002	09005	11002	22021	22024	22051	22059	22060	23004	23029	23095	23-191	23-192	23125	23142	23177	23179 R	23179 I	23182	23183	23185	23188	23190	24092	24106
tetrachlorostanoone								-			9.45														
tetracycloheptane											310														
tetradecanoic acid																									
tetradecanol																									
thiophene																									
toluene																									
trichlorobenzene																									
tricyclo[2,2,1.02,6]-heptan-3-ol																									
triethyl ester of phosphoric acid																									
triethylphosphate																									
trimethyl ester of phosphorothioic acid																									
trimethylbenzene																									
trimethylcyclohexane																									
xylene																									
xylene 527																									
xylene 539																									
"freon"																									
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl proponate																									
ethyl, methyl benzene																									
ethyl dimethyl benzene																									
dodecyclorycthanol																									
bis(isopropyl)aren									33.5																
oxatricyclooctanone									15.2																
2,6-(-butyl-4-methyl phenol																									
trichlorocyclopentene																									
5-ethyl-5-sec.amyl-2,4,6(1h,3h,5h)-pyrimidinetrione																									
5-methyl-1,3-oxathiane																									
	168	1	6	6	13	16	2	3	1	6	8	8	8	9	1	13	10	28	5	0	1	8	13	13	1	0
General groups of compounds																									
alkene					8	8							8	8			8						8	8	
635																22									
aromatic hydrocarbon						8										8								8	
alkane												8				8						8	8	8	
chlorinated compound									20.1	7.31	8							8							
640																									
sulfur compound																									
650																									
655																8									
alkene or alcohol																									
632																									
alkane or alkene					8							8												8	

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	05002	05065	11002	22021	22024	22051	22059	22060	23004	23029	23095	23-191	23-192	23125	23142	23177	I 23179	I 23179	23182	23183	23185	23188	23190	24092	24106
643																									
671																									
651																									
636																									
bicyclo compound																									
554											12.2														
amine																									
658																									
chloroglucarica																									
669																									
649																									
bicyclo or tricyclo compound											8														
alicyclic compound																									
631																									
alcohol or unsaturated fatty acid																									
alcohol																									
663																									
647																									
664																									
alkyne																						4			
acid or alcohol																									
637																									
646																									
638																									
aliphatic cyclic compound																			4						
phthalate																									
	38	0	0	0	2	2	0	0	0	1	1	3	3	1	0	4	1	1	1	0	0	1	3	4	0	0

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	24111	24113	24127	I 24176	I 24178	25016	25023	25011	25015	25017	25020	I 25041	I 25041	25066	25073	25083	25084	25085	25086	I 26127	I 26127	26128	I 26133	I 26133	26140
ANALYTES WITH 10 OR MORE OCCURRENCES																									
1,1,2,2-tetrachloroethane					32.1																			215	7.04
1,1,2-trichloroethane																8.55									
2,6,10,14-tetramethylhexadecane																									
2,6,10-trimethyl pentadecane																				119					
bis(2-ethylhexyl) phthalate	68.3		16.1	6.9			13.6							8.79											112
caprolactam		528	188			2350		216	375	221			121	344	1560			332					106	142	
chlorobenzene														10.6											
cyclopentanone												182				6.37	9.85		12.2	8.9	5.5				
hexadecanoic acid							9.66							10.9				9.49							
n-eicosane																35.5	227		213						
n-heneicosane																32.2	86.6		91.1						
n-heptadecane												22.5				280	613		561	412					
n-hexacosane																126			361						
n-nonadecane																210	378		369						
n-pentacosane																23.3	170		78.6	82.4					
n-tetradecane																	29.5			16.8					
octadecane																205	726		581	257					
octadecanoic acid						49.4	7.69							10.9					97.1						
tetrachloroethene				21																			351		
THF (tetrahydrofuran)									53.5	26	122	23.6		12.6			17		107	7.43		2130			126
ANALYTES WITH LESS THAN 10 OCCURRENCES																									
1,1-bis(methylthio)ethane																									
1,2,3,4,5,7,7-heptachloronorbornene				6.12								41.1													
1,2-dichloroethane																									
1,2-dichloroethene																									
1,2-dichloropropene																									
1,3 cyclopentadiene												34.8													
1,3,6-dioxathiolane																									
1,3-dithiolane																									
1,3-dithiolane-2-thione														15.6				28.8	9.66	7.32					
1,4-cyclooctadiene																									
1,4-dithian												46.4													
1,4-dithiane														122						124					
1-propanol																									
1-(4-hydroxy-3-methoxyphenyl)ethanone																									
2 propanone																									
2,2,2-trichloroethanol																									
2,3-dichloro-2-methylbenzyl alcohol																							44.6		
2,4-imidazolidinedione																									
2,6,10,14-tetramethylhexadecane																									
2,6,10,14-tetramethylpentadecane																									
2,6,10,14-tetramethylhexadiene				11.5																					
2,6,10,14-tetrametaylpentadecane																									
2,6,10,14-tetrametaylpentadiene				9.79																					
2-cyclohexen-1-one																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	20111	20113	20127	I 20178	I 20178	25016	25023	26011	26015	26017	26020	I 26041	I 26041	25066	26073	25083	25084	25085	25086	I 26127	I 26127	25128	I 26133	I 26133	26140
2-methylcyclopentanone																									
2-methyl-2,4-pentanol													924												
2-propanol												277													
2-(4-methyl-2-furyl)-2-cyclopenten-1-one																									
3,3,5-trimethylcyclohexanone												135	126												
3,5-dimethyl-1,2,4-trithiolane														21.7				28.4		9.57		7.22			
3-methylhexane																									
3-methyl-1,3,5-hexatriene																									
4-hydroxy-4-methyl-2-pentanone												453	126										150	59.3	
8-oxatricyclo[3.2.1.0(2,6)]-oct-3-ol																									
acetophenone																									
azidobenzene																									
benzamine																						25.7			
benzothiazene				26.2																					
bicyclodihydropentadiene																									
bicyclo[2.2.1]hept-2-en-7-ol																									
biphenyl-ol																									
butyl octadecanoate														6.11	5.57										
butylglycolacetate																									
butylhexadecanoate																									
chloroform												377	344												
chloromethyl phenol																									
chloro-methyl sulfoxylamide																52.8									
cholest-3-ene																							26.5		
CPHS isomer																6.54									
cyclooctanone												21.2													
cyclopenten-1-one																									
decanoic acid																									
decahydropyran																									
dichlorobenzene																									
diheptylphthalate																									
dihydroxymethylbenzoate												28.3													
dimethoxyethane																									
dimethylphthalate													5200												
dimethylsulfide																									
dimethyltrithiolane																									
diphenyl ether												8640	5480										318	148	
DMSO																		35.6		53					
docosane																									
dodecanamide																				38					
dodecanoic acid																									
ethylbenzene																									
heptachlorobicycloheptene																							37..	7..4	
heptachloronorcyclo[2.2.1]hept-2-ene																									
heptachloro-norcyclo[2.2.1]heptane																									
heptanone																									
hexachloronorcyclo[2.2.1]hepta-2-ene																							74.9	92..	
hexachloronaphthalene																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	24111	24113	24127	I 24178	I 24178	25016	25023	25031	25035	25037	25020	I 25041	I 25041	25065	25073	25083	25084	25085	25086	I 26127	I 26121	26128	I 26133	I 25133	25140
heptadecanamide						27.7																			
hexanoic acid																									
hexanol																			10.7						
hexanone																									
isobutyl octadecanoate																									
isobutylbenzene																									
isopropylbenzene																									
limonene																									
methoxybenzaldehyde																					11				
methyl ester of dihydroxybenzoic acid																									30.1
methyl octane																									
methylbenzylamine																									
methylethylbenzene																									
methylnaphthalene																									
methylsulfoxylbenzene												135											27		
methyrate-1-octanone																									
methyltricyclo[3,2,1,0,2,7]oct-3-ene-5-c																									
methyl-2,4-pentanediol												1060													
n-nonene-4,8-diene																									
n methyl lactam																									
naphthalene																									
nonanal																									
nonane																									
n,n-dibutylacetamide																									
n,n-dimethylbenzylamine																									
n-benzylacetamide																									
n-methylmethanamide ?																									
n-nitrosodipropylamine																									
n-n'-bis (1-methylethyl) urea									3.86														27.3		
n-propylpropanine												60.7													
n-tridecane																									
octadecanamide						105	20																		
octanecanethiol?																									
octanoic acid												33.3													
pentachlorophenol																									
phenol												501													
phosphorothidic acid																									
propanoic acid																									
propanedinitryl																									
propanil																									
propanoic acid																									
propylbenzene																									
pyridine												15.3													
p-isopropylbenzaldehyde																									
siloxane													295												
sulfur												1050	304									644		203	
tetrachlorobenzene																									
tetrachloromenol																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	24111	24113	24127	I 24178	I 24178	25016	25023	25011	25015	25017	25020	I 25041	I 25041	25066	25013	25003	25004	25005	25006	I 26127	I 26127	26128	I 26133	I 26133	26140
tetrachlorostannane												141													
tetracycloheptane												32.7							113						
tetradecanoic acid																									
tetradecanol														30.2											
thiophene												521	464				13.2						366	173	
toluene																									
trichlorobenzene																							64.2	35.9	
tricyclo[2.2.1.02,6]-heptan-1-ol													304												
triethyl ester of phosphoric acid												882													
triethylphosphate																							29.5		
trimethyl ester of phosphorothioic acid																									
trimethylbenzene													216												
trimethylcyclohexane																									
xylene																							53.9	25.7	
xylene 527																							46.4	28	
xylene 530																									
"freon"																									
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl propionate																									
ethyl, methyl benzene																									
etayl dimethyl benzene																									
dodecyloxyethanol																									
bis(isopropyl)urea																									
oxatricyclooctanone																									
2,6-t-butyl-4-methyl phenol																									
trichlorocyclopentene																									
5-ethyl-5-sec.amyl-2,4,6(1h,3h,5h)-pyrimidinetrione																									
5-methyl-1,3-oxathiane																									
	168	1	1	2	6	1	4	0	1	3	2	1	20	12	11	2	11	11	4	15	16	2	4	15	12	3
General groups of compounds																									
																				1	1				
alkene																									
635							15					15.7			6.65	10.6		26	64.7			31.5			
																1	1		1	2					
aliphatic hydrocarbon																				1					
alkane																								1	
chlorinated compound																			10.2	57.5			22.3		32.6
649													1						1			1			
sulfur compound																			3.71	28.6			14.7		32.9
650																			5.27	69.3			33		149
655																	1	1	1	1	1				
alkene or alcenol							1												11.2	35.3			10.3		42.6
632																					1				
alkane or alkene																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	24111	24113	24127	I 24178	I 24178	25016	25023	25031	25035	25037	25020	I 26041	I 26041	26066	26073	26083	26084	26085	26086	I 26127	I 26127	26128	I 26133	I 26133	26140
643																			55.8			35.9			245
671																						11			66.5
651																			10.1			6.23			25.2
636						12.5							656												
bicyclo compound													8											8	
654																									
amide												8			8										
648																									12.4
chloropirocarbon														8											
669																									
649																									
bicyclo or tricyclo compound													8												
alicyclic compound																									
631																									13
alcool or unsaturated fatty acid																									
alcool												8													
663																									16.2
647																									9.75
664																									18.1
alkene																									
acid or alcohol																									
637																									13.8
646																									17.2
638																									11.5
aliphatic cyclic compound																									
pothalate																									
	35	0	0	0	0	0	3	0	0	0	0	0	3	4	1	2	3	2	1	10	5	1	0	0	2	15

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	25142	27016	27040	27049	27053	27055	27062	28025	33028	33036	33063	35012	35013	35016	35637	35038	35052	35658	E 35665	I 35663	35666	36001	36065	36076	36082
ANALYTES WITH 10 OR MORE OCCURRENCES																									
1,1,2,2-tetrachloroethane			10.8				67.1								22.8		10.4		14.3			90.2			
1,1,2-trichloroethane															15.7										
2,6,10,14-tetramethylhexadecane			16.1				107		9.67				46.4												
2,6,10-trimethyl pentadecane			10.1				85					89	46.1												
bis(2-ethylhexyl) phthalate									25.4								6.05		23.1			13.5			
caprolactam					362	8810					2246			436	302			44.7	1200	83		37.1		675	
chlorobenzene												40.1		13.4					8.46			75.0		6320	
cyclopentanone			17.2					5.38																	
hexadecanoic acid								15.5									6.02							14.8	7.09
n-eicosane									16.9			115	38.1									19.3			
n-hexacosane												25.9	10.4												
n-heptadecane									30.8			437	126									54.6			
n-octadecane												265	24			681						31.9			
n-nonadecane			16.4						21.5			193	66.6									30.8			
n-pentadecane												90	20.3												
n-tetradecane												17.7	5.08												
octadecane									21.3			452	95												
octadecanoic acid								36.6									13.1							9.52	
tetrachloroethene																									
THF (tetrahydrofuran)	172		334					18					2.8			116				21.8					
ANALYTES WITH LESS THAN 10 OCCURRENCES																									
1,1-bis(methylthio)ethane																						35.5			
1,2,3,4,5,7,7-heptachloronorbornene																									
1,2-dichloroethane													10.8												
1,2-dichloroethene																									
1,2-dichloropropane																									
1,3 cyclopentadiene																									
1,3,6-dioxathiolane																									
1,3-dithiolane												31.1		29.4											11.8
1,3-dithiolane-2-thione																			26.8						11.9
1,4-cyclooctadiene																									
1,4-dithiane																									
1,4-dithiane												133													
1-propanol																									
1-(4-hydroxy-3-methoxyphenyl)ethanone																								9.51	
2 pentanone																									
2,2,2-trichloroethanol																						35.9			
2,3-dichloro-2-methylbenzyl alcohol																									
2,4-imidazolidinedione																			7.95						
2,6,10,14-tetramethylhexadecane																						19.1			
2,6,10,14-tetramethylpentadecane																									
2,6,10,14-tetramethylhexadiene																									
2,6,10,14-tetramethylpentadecane			35.2				219																		
2,6,10,14-tetramethylpentadiene																									
2-cyclohexen-1-one									8.03																

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	26142	27016	27040	27049	27053	27055	27062	28025	33026	33030	33063	35012	35013	35016	35037	35038	35052	35056	I 35065	I 35065	35066	36001	36065	36076	36082
2-methylcyclopentanone																									
2-methyl-2,4-pentanol																									
2-propanol																									
2-(4-methyl-2-furyl)-2-cyclopenten-1-one																									
3,3,5-trimethylcyclohexanone																									
3,5-dimethyl-1,2,4-trithiolane												50.1												21.1	
3-methylhexane																						1630			
3-methyl-1,3,5-hexatriene																									
4-hydroxy-4-methyl-2-pentanone																									
8-oxatricyclo[3,2,2,0,2,6]-octan-7-ol																									
acetophenone																						142		22.2	
azidobenzene																									7.86
benzamine																									
benzothiazene																									
bicyclodihydropentadiene																									
bicyclo[2.2.1]hept-4-en-7-ol																								8.77	
biphenyl-ol													8.59												
butyl octadecanoate																			7.67						5.8
butylglycolacetate																									
butylhexadecanoate																			7.25						
chloroform																									
chloromethyl phenol																									
chloro-methyl sulfoxylamide																								12.1	
choient-3-ene																									
CFC3 isomer																									
cyclohexanone																									
cyclopenten-1-one																									
decanoic acid																									
dehydropyran							71.6																		
dichlorobenzene																						554ed		155000	
diheptylphthalate																									
dihydroxymethylbenzoate																									
dimethoxymethane																									
dimethylphthalate																									
dimethylsulfide																									
dimethyltrithiolane																						17.4		8.71	
diphenyl ether																									
DMSF																									
docosane												11.5													7.65
dodecanamide																									
dodecanoic acid								6.48																	
ethylbenzene																									
heptachlorobicycloheptene																									
heptachlorobicyclo[2,2,1]hept-2-ene																						51.1			
heptachlors-bicyclo[2,2,1]heptane																			9.62						
heptanone																						114			
hexachlorobicyclo[2,2,1]hepta-2-ene																									
hexachlorobutadiene																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	26142	27016	27040	27049	27053	27055	27062	28025	33026	33030	33063	35012	35013	35016	35037	35038	35052	35058	I 35065	I 35065	35066	36001	36065	36076	36082
hexadecanamide																									
hexanoic acid																						44.8			
hexanol																						2746		28.3	
hexanone																									
isobutyl octadecanoate																									
isomutylbenzene																						108			
isopropylbenzene																									
limonene																									
methoxybenzaldehyde																									
methyl ester of dihydroxybenzoic acid																									
methyl octane																	44.4								
methylbenzylamine																						501			
methylethylbenzene																									
methylnaphthalene																			17.2					8.83	
methylsulfonylbenzene																						25.3			
methylthio-1-butanone																									
methyltricyclo[3.2.1.0,2,7]oct-3-ene-5-c																									
methyl-2,4-pentanediol																								11.9	
n-menth-4,6-diene																									
n methyl lutidon																									
naphthalene																									
nonanal																									
nonane																			15.3						
n,n-dibutylacetamide																	9.48								
n,n-dimethylbenzylamine																								12.6	
n-hexylacetamide																									
n-methylmethanamine ?																								14.3	
n-nitrosodipropylamide																									
n-n'-bis (1-methylethyl) urea																									
n-propylpropanine																									
n-tridecane																									
octadecanamide								50.1									12.1								
octadecanethiol?																									
octanoic acid																								65.1	
pentachlorophenol																									
phenol																									
phosphorothioic acid																									
propanoic acid																									
propanenitryl																									
propanol																			59.8						
propanoic acid																						26.3			
propylbenzene																									
pyridine																			63.1						
p-isopropylbenzaldehyde																									
siloxane																									
sulfur																						19.3			
tetrachlorobenzene																								16.2	
tetrachloroguaiacol																									

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	26142	27016	27648	27049	27653	27855	27662	28625	33026	33050	33063	35012	35013	35916	35037	35038	35052	35058	I 35065	I 35065	35069	36001	36065	36076	36082
tetrachlorostannane																									
tetracycloheptane								11.2																	
tetradecanoic acid																									
tetradecanol			10																						
thiophene												27.4													
toluene																						348			
trichlorobenzene																						249		145	
tricyclo[2.2.1.02,6]-heptan-3-ol																									
triethyl ester of phosphoric acid																									
triethylphosphate																									
trimethyl ester of phosphorothioic acid												-										26.2			
trimethylbenzene																									
trimetaxycyclonerane																									
xylene																						1000			
xylene 52?																						892			5.55
xylene 53?																	22.4								
"freon"																									
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl propionate																									
ethyl, methyl benzene																									
ethyl dimethyl benzene																									
dodecyclexyethanol																									
hexitroprophylurea																									
oxatricyclooctanone																									
2,5-1-butyl-4-methyl peenol						7.8																			
trichlorocyclopentene																									
5-ethyl-5-sec.amyl-2,4,6(1h,3h,5h)-pyrimidinetrione																									
5-methyl-1,3-oxathiane																									
	168	1	6	8	6	1	2	5	7	7	0	1	15	13	3	3	2	8	1	13	2	6	29	0	15	7
General groups of compounds																									
alkene								1					8	6											
655																									
aliphatic hydrocarbon										8															
alkane													8	8											
chlorinated compound								8														22.3	1		8
640																									
sulfur compound			2										1		22.9					1					
650																									
655																									
alkene or alcohol																									
632																									
alkane or alkene								1						8											

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	26142	27916	27946	27949	27953	27955	27962	28025	33026	33030	33063	35012	35013	35016	35037	35038	35052	35058	I 35065	I 35065	35065	36001	36065	36076	36092
643																									
671																									
651																									
636																									
bicyclo compound																									
654																									
amide																								1	
648																									
chlorohydrocarbon						20																			
669																									
649																									
bicyclo or tricyclo compound																									
nitrocyclic compound																									
631																									
alcohol or unsaturated fatty acid																									
alcohol																									
663																									
647																									
664																									
alkyne																									
acid or alcohol																									
637																									
646																									
638																									
aliphatic cyclic compound																									
phthalate																									
	38	0	0	1	6	8	1	3	6	1	0	9	3	3	1	0	6	0	0	1	0	1	1	0	2	0

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	36044	36096	36112	36139	37365	37387	37388	37389	37392	37393	37329	37332	37343	37344	37347	37349	37353	37354	37356	37357	37359	BOLLER
ANALYTES WITH 10 OR MORE OCCURRENCES																						
1,1,2,2-tetrachloroethane			6.42																			
1,1,2-trichloroethane																						
2,6,10,14-tetramethylhexadecane			13.9																			
2,6,10-trimethyl pentadecane																						
bent2-ethylhexyl) phthalate			30.1															2.83				18.4
caprolactam	136	86.3	13.6		154						339											
chlorobenzene		56.9										8.8		2.9							5.5	
cyclopentanone																						
hexadecanoic acid		6.32	81.2																			
n-eicosane			17.6			7.4																
n-heneicosane			7.28																			
n-heptadecane			37.8			26.4							14.3									
n-hexadecane			22.5																			
n-nonadecane			28.9			13							7.49									
n-pentadecane																						
n-tetradecane																						
octadecane			34.3			7.48																
octadecanoic acid		45.5	54.5																			
tetrachloroethene		11.2		23.1			20.9							39.5								
THF (tetrahydrofuran)																						
ANALYTES WITH LESS THAN 10 OCCURRENCES																						
1,1-bis(methylthio)ethane																						
1,2,3,4,5,7,7-heptachloronorbornene																						
1,2-dichloroethane																						
1,2-dichloroethene																						
1,2-dichloropropane																						
1,3 cyclopentadiene							13.3															
1,3,5-dioxathiolane			7.87	7																		
1,3-dithiolane		73.1	13.2																			
1,3-dithiolane-2-thione			16.2																			
1,5-cyclooctadiene																						
1,4-dithiane																						
1,4-dithiane																						
1-propanol																						
1-(4-hydroxy-3-methoxyphenol)ethanone																						
2 propanone																						
2,2,2-trichloroethanol																						
2,3-dichloro-2-methylbenzyl alcohol																						
2,4-imidazolidinedione																						
2,6,10,14-tetraethylhexadecane																						
2,6,10,14-tetramethylpentadecane																						
2,6,10,14-tetramethylhexadiene																						
2,6,10,14-tetramethylpentadecane			13.7										5.51									
2,6,10,14-tetramethylpentadiene																						
2-cyclohexen-1-one																						

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	35884	36890	36912	36939	37305	37307	37308	37309	37312	37313	37320	37332	37341	37344	37347	37348	37353	37354	37356	37357	37359	80:LAB2
2-methylcyclopentanone											14.1											
2-methyl-2,4-pentanol																						
2-propanol																						
2-(4-methyl-2-furyl)-2-cyclopenten-1-one										14.4												
3,3,5-trimethylcyclohexanone																						
3,5-dimethyl-1,2,4-trithiolane			78.6																			
3-methylhexane																						
3-methyl-1,3,5-hexatriene																						
4-hydroxy-4-methyl-2-pentanone																	13					
8-oxatricyclo[7,2,2,0,2,6]-octan-7-ol																						
acetophenone																						
azidobenzene																						
benzaldehyde																						
benzothiazole																						
bicyclo[3.3.0]octa-2,6-diene																						
bicyclo[2.2.1]hept-2-en-7-ol																						
biphenyl-ol																						
butyl octadecanoate																						
butylglycolacetate																						
butyltetradecanoate																						
chloroform																						
chloromethyl phenol																						
chloro-methyl sulfurylamide																						
cholest-3-ene																						
CPHS isomer																						
cyclohexanone																						
cyclopenten-1-one																						
decanoic acid																						
dehydropyran																						
dichlorobenzene																					2.48	
dibenzylphthalate			11																			
dihydroxymethylbenzoate																						
dimethoxymethane																						
dimethylphthalate																						
dimethylsulfide																						
dimethyltrithiolane		39.9		113																		
diphenyl ether																						
DMHP																						
docosane																						
dodecanamide																						
dodecanoic acid			49.2																			
ethylbenzene																						
heptachlorobicycloheptene																						
heptachlorobicyclo[2.2.1]hept-2-ene																						
heptachloro-bicyclo[2.2.1]heptane																						
heptanone																						
hexachlorbicyclo[2.2.1]hepta-2-one																						
hexachloromatadiene																						

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	36084	36090	36112	36139	37305	37307	37308	37309	37312	37313	37320	37332	37343	37344	37347	37349	37353	37354	37356	37357	37359	BOLLER
hexadecanamide																						
hexanoic acid																						
hexanol																						
hexanone																						
isobutyl octadecanoate																						
isooctylbenzene																						
isopropylbenzene																						
limonene																						
methoxybenzaldehyde																						
methyl ester of dihydroxybenzoic acid																						
methyl octane																	32.3					
methylbenzylamine																						
methylethylbenzene																						
methylnaphthalene																						
methylsilfoxylbenzene																						
methylthio-4-butanone																						
methyltricyclo[3.2.1.0.2.7]oct-3-ene-5-c																						
methyl-2,4-pentanediol																						
n-menth-4,8-diene																						
n methyl lauridon																						
naphthalene																						
nonanal																						
nonane																	29.9					
n,n-dibutylacetamide																						
n,n-dimethylbenzylamine																						
n-hexylacetamide																						
n-methylmethanamide ?																						
n-nitrosodipropylamide																						
n-n'-bis (1-methylethyl) urea																						
n-propylpropanine																						
n-tridecane																						
octadecanamide																						
octadecanethiol			10.3																			
octanoic acid																						
pentachlorophenol																						
phenol																						
propanorthidic acid																						
propanin acid																						
propanedinitryl																						
propanol																						
propanoic acid										38.7												
propylbenzene																						
pyridine																						
p-isopropylbenzaldehyde																						
siloxane																						
sulfur			21.9																			
tetrachloroethene																						
tetrachlorophenol																						

Analytical Results for Tentively Identified Compounds by GC/MS analysis

Non-target analytes	36004	36050	36112	36139	37305	37307	37308	37309	37312	37313	37320	37332	37343	37344	37347	37349	37353	37354	37356	37357	37359	D6LLRB
tetracilorostanonne																						
tetracycloheptane																						
tetradecanoic acid			18.6																			
tetradecanol																						
thiophene			58.5																			
toluene																						
trichlorobenzene																						
tricyclo[2.2.1.02,6]-heptan-3-ol																						
triethyl ester of phophoric acid																						
triethylphosphate																						
trimethyl ester of phosporothioic acid																						
trimethylbenzene																						
trimethylcyclohexane																						
xylene																						
xylene 527																						
xylene 530																						
'freon'																						
2-methyl, 1-(1,1-dimethylethyl)-2-methyl-1,3-propanediyl propionate																						
ethyl, methyl benzene																						
ethyl dimethyl benzene																						
codecycloxyethanol																						
bis(isopropyl)urea																						
oxatricycloactanone																						
2,6-1-butyl-4-methyl phenol																						
trichlorocyclopentene	5.5																					
5-ethyl-5-sec.nuyl-2,4,6(1h,3h,5h)-pyrimidinetrione	56.9																					
5-methyl-1,3-oxathiane		10.3																				
	158	3	8	23	3	1	6	2	0	0	3	1	1	3	2	0	0	3	1	0	0	2	1
General groups of compounds																						
alkene																						
635																						
aliphatic hydrocarbon			1														1					
alkane			1																			
chlorinated compound	57.2			7.78				1														5.79
640			15.2																			
sulfur compound	23.9	11		114																		
650																						
655																						
alkene or alcohol																						
612																						
alkane or alkene																						

Analytical Results for Tentatively Identified Compounds by GC/MS Analysis

Non-target analytes	35084	35090	36112	36139	37305	37307	37308	37309	37312	37313	37320	37332	37343	37344	37347	37349	37353	37354	37356	37357	37359	60L466
643																						
671																						
651																						
636																						
bicyclo compound																						6.42
654			28.1																			
amide																						
648																						
chlorohydrocarbon																						5.37
669			8.85																			7.88
649			11.9																			
bicyclo or tricyclo compound																						
alicyclic compound								80														
631																						
alcohol or unsaturated fatty acid																						
alcohol																						
663																						
647																						
664																						
alkyne																						
acid or alcohol			5																			
637																						
646																						
638																						
aliphatic cyclic compound																						
phthalate																						
	33	2	1	7	2	6	0	1	1	0	6	0	0	0	0	0	0	1	0	0	0	0	4

TASK 4 GC/MS NONTARGET DATA 3RD AND 4TH QUARTERS FY1986

PARAMETERS UNITS	STORET # METHOD	01012 T4CC 1	TENTATIVE ID
DATE	06/25/86		
TIME	12:50		
UNK055	91055	28.7	THF
UNK532	91532	7.41	1,1,2,2-TETRACHLOROETHANE
UNK591	91591	6.43	ALKANE
UNK594	91594	30.0	2,6,10,14-TETRAETHYLPENTADECANE N-HEPTADECANE
UNK600	91600	11.4	2,6,10,14-TETRAETHYLHEXADECANE
UNK605	91605	14.4	N-NONADECANE
UNK608	91608	5.42	UNK
UNK617	91617	11.3	ALKENE
UNK632	91632	14.7	DIHEPTYLPHTHALATE
UNK635	91635	28.1	A PHTHALATE
UNK640	91640	27.3	A PHTHALATE
UNK643	91643	77.5	A PHTHALATE
UNK650	91650	19.6	A PHTHALATE
UNK651	91651	7.83	A PHTHALATE
UNK655	91655	39.9	A PHTHALATE
UNK671	91671	12.6	A PHTHALATE

PARAMETERS UNITS	STORET # METHOD	TECC 2	TENTATIVE ID
DATE	07/01/86		
TIME	08:36		
UNK123	91123	1720	
UNK127	91127	723	
UNK129	91129	773	
UNK144	91144	9640	
UNK147	91147	3780	
UNK514	91514	7700	CnH10, POSSIBLY 3-METHYL-1,3,5-HEXATRIENE
UNK515	91515	3630	TOLUENE
UNK522	91522	2400	XYLENE, POSSIBLY 1,4-CYCLO-OCTADIENE
UNK526	91526	2680	ETHYLBENZENE
UNK527	91527	9000	XYLENE
UNK529	91529	3820	BICYCLO COMPOUND
UNK530	91530	7000	XYLENE
UNK531	91531	1750	BICYCLO COMPOUND
UNK532	91532	1720	ISOMER OF UNK531
UNK536	91536	950	UNK
UNK538	91538	790	POSSIBLY METHYL ETHYL BENZENE
UNK539	91539	17200	BICYCLO COMPOUND
UNK540	91540	1450	BICYCLO COMPOUND
UNK541	91541	2710	UNK
UNK543	91543	1550	POSSIBLY BICYCLODIHYDRO-PENTADIENE
UNK548	91548	46600	ISOMER OF UNK543
UNK549	91549	8350	BICYCLO COMPOUND
UNK553	91553	61000	c11h10
UNK555	91555	30400	BICYCLO COMPOUND
UNK556	91556	39200	UNK, c12h16
UNK558	91558	28500	ISOMER OF UNK556
UNK559	91559	5050	UNK
UNK560	91560	3470	NAPTHALENE, ALICYCLIC COMPOUND
UNK561	91561	7000	NAPTHALENE, ALICYCLIC COMPOUND
UNK562	91562	15200	NAPTHALENE, ALICYCLIC COMPOUND
UNK563	91563	6150	BICYCLO COMPOUND, UNK
UNK564	91564	3680	ALICYCLIC COMPOUND, UNK
UNK565	91565	5170	ALICYCLIC COMPOUND, UNK
UNK566	91566	1270	UNK
UNK567	91567	1550	UNK
UNK569	91569	4800	UNK
UNK570	91570	6050	METHYL NAPTHALENE
UNK574	91574	1070	UNK, ALICYCLIC COMPOUND
UNK575	91575	8100	UNK, BICYCLIC COMPOUND
UNK576	91576	3640	UNK, ALICYCLIC COMPOUND

PARAMETERS / UNITS	STORET # / METHOD	TICC	TENTATIVE ID
	01014		
DATE	07/01/86		
TIME	08:36		
UNK577	91577	775	UNK, ALICYCLIC COMPOUND
UNK579	91579	1890	UNK, ALICYCLIC COMPOUND
UNK583	91583	13900	UNK, ALICYCLIC COMPOUND
UNK584	91584	8050	UNK
UNK585	91585	2890	UNK, ALICYCLIC COMPOUND
UNK587	91587	34300	UNK, BICYCLIC COMPOUND
UNK588	91588	7230	UNK, ALICYCLIC COMPOUND
UNK590	91590	16300	UNK, ALICYCLIC COMPOUND
UNK591	91591	890	UNK, ALICYCLIC COMPOUND
UNK593	91593	4220	UNK, ALICYCLIC COMPOUND
UNK597	91597	1590	UNK, ALICYCLIC COMPOUND
UNK602	91602	770	UNK, ALICYCLIC COMPOUND
UNK612	91612	1290	UNK, ALICYCLIC COMPOUND
UNK615	91615	750	UNK
UNK617	91617	1310	UNK
UNK619	91619	1260	UNK, ALICYCLIC COMPOUND
UNK621	91621	635	UNK
UNK623	91623	335	UNK
UNK624	91624	403	UNK
UNK626	91626	2250	UNK
UNK627	91627	484	UNK
UNK672	91672	4990	UNK
UNK694	91694	3550	UNK

PARAMETERS	STORET #	TACC	TENTATIVE ID
UNITS	METHOD	3	
DATE	06/25/86		
TIME	10:30		
UNK048	91048	13.0	1,2-DICHLOROETHENE
UNK079	91079	6.80	NO MATCH
UNK087	91087	33.4	1,2-DICHLOROPROPENE
UNK193	91193	144	DICHLOROBENZENE
UNK524	91524	54.6	CHLOROBENZENE
UNK532	91532	5.99	1,1,2,2-TETRACHLOROETHANE
UNK543	91543	11.1	DICHLOROBENZENE
UNK545	91545	39.0	DICHLOROBENZENE
UNK558	91558	8.13	SULFUR COMPOUND, POSSIBLY 1,3-DITHIOLANE
UNK566	91566	28.7	UNK
UNK572	91572	8.66	UNK
UNK574	91574	99.5	UNK
UNK578	91578	30.6	UNK
UNK580	91580	10.4	N-METHYL LUTIDON (c8h11n0)
UNK581	91581	14.8	UNK
UNK582	91582	13.4	ALKANE, UNK
UNK584	91584	540	UNK
UNK588	91588	19.4	N-HEXADECANE
UNK591	91591	22.6	UNK
UNK594	91594	38.2	N-HEPTADECANE, ALKANE
UNK600	91600	11.5	ALKANE
UNK604	91604	37.2	UNK
UNK605	91605	19.9	N-NONADECANE
UNK608	91608	51.0	UNK
UNK609	91609	139	UNK
UNK610	91610	15.7	N-EICOSANE, UNK
UNK616	91616	100	UNK
UNK617	91617	6.34	ALIPHATIC HYDROCARBON
UNK619	91619	13.9	UNK
UNK620	91620	7.23	UNK
UNK629	91629	7.70	UNK
UNK632	91632	6.43	A PHTHALATE
UNK635	91635	12.1	A PHTHALATE
UNK640	91640	6.39	A PHTHALATE
UNK643	91643	22.9	A PHTHALATE
UNK650	91650	6.91	A PHTHALATE
UNK655	91655	12.0	A PHTHALATE

02019

PARAMETERS UNITS	STORET # METHOD	TICC	TENTATIVE ID
DATE	06/24/86		
TIME	09:06		
UNK122	91122	4.22	NO MATCH
UNK517	91517	19.8	CYCLOPENTANONE
UNK573	91573	29.9	DECANOIC ACID
UNK575	91575	29.0	TETRADECANE
UNK578	91578	16.1	ALIPHATIC HYDROCARBON
UNK579	91579	20.8	ALIPHATIC HYDROCARBON
UNK582	91582	210	PENTADECANE
UNK585	91585	102	ALIPHATIC HYDROCARBON
UNK586	91586	125	ALIPHATIC HYDROCARBON
UNK587	91587	19.5	ALIPHATIC HYDROCARBON
UNK588	91588	706	HEXADECANE
UNK591	91591	398	ALIPHATIC HYDROCARBON
UNK592	91592	99.9	ALIPHATIC HYDROCARBON
UNK594	91594	1250	ALIPHATIC HYDROCARBON, HEPTADECANE
UNK596	91596	164	ALIPHATIC HYDROCARBON
UNK597	91597	107	ALIPHATIC HYDROCARBON
UNK598	91598	125	ALIPHATIC HYDROCARBON
UNK600	91600	1030	OCTADECANE, ALIPHATIC HYDROCARBON
UNK601	91601	25.7	ALIPHATIC HYDROCARBON
UNK602	91602	176	ALIPHATIC HYDROCARBON
UNK603	91603	212	ALIPHATIC HYDROCARBON
UNK605	91605	731	NONADECANE, ALIPHATIC HYDROCARBON
UNK607	91607	72.0	ALIPHATIC HYDROCARBON
UNK608	91608	88.4	ALIPHATIC HYDROCARBON
UNK610	91610	335	N-EICOSANE
UNK612	91612	126	ALIPHATIC HYDROCARBON
UNK613	91613	58.5	ALIPHATIC HYDROCARBON
UNK614	91614	45.6	ALIPHATIC HYDROCARBON
UNK615	91615	111	N-HENEICOSANE
UNK617	91617	271	ALIPHATIC HYDROCARBON
UNK619	91619	32.7	ALIPHATIC HYDROCARBON
UNK620	91620	45.2	DOCOSANE
UNK621	91621	35.8	ALIPHATIC HYDROCARBON
UNK626	91626	38.9	ALIPHATIC HYDROCARBON
UNK627	91627	191	ALIPHATIC HYDROCARBON
UNK628	91628	30.7	ALIPHATIC HYDROCARBON
UNK635	91635	29.1	PHTHALATE
UNK642	91642	23.3	UNK

		02020	
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	4	
DATE	09/17/86		
TIME	11:16		
UNK642	91642	14.5	UNK
UNK671	91671	57.4	UNK
UNK693	91693	28.5	UNK

PARAMETERS	STORET #	02030 TACC	TENTATIVE ID
UNITS	METHOD	5	
DATE	06/27/86		
TIME	14:01		
UNK037	91037	27.6	2 PROPANONE
UNK042	91042	9.90	2 PROPANONE
UNK044	91044	40.0	2 PROPANONE
UNK079	91079	4.10	CHLOROFORM
UNK152	91152	6.50	N METHYLMETHAMINE
UNK559	91559	6.82	HEXANOIC ACID, OCTANOIC ACID
UNK563	91563	35.6	UNK
UNK573	91573	28.3	DECANOIC ACID
UNK576	91576	30.7	UNK
UNK580	91580	9.53	UNK
UNK582	91582	27.2	N-PENTADECANE
UNK585	91585	12.3	ALKENE OR ALCOHOL
UNK587	91587	287	DODECANOIC ACID
UNK588	91588	96.4	N-HEXADECANE
UNK589	91589	9.32	ALKENE OR ALCOHOL
UNK591	91591	45.0	ALIPHATIC HYDROCARBON, 2,6,10-TRIMETHYLPENTADECANE
UNK592	91592	20.2	ALKENE, ALIPHATIC HYDROCARBON
UNK593	91593	45.6	UNK, ALIPHATIC HYDROCARBON
UNK594	91594	152	N-HEPTADECANE
UNK595	91595	52.1	2,6,10,14-TETRAMETHYLPENTADECANE
UNK597	91597	40.5	ALIPHATIC HYDROCARBON
UNK598	91598	61.4	TETRADECANOIC ACID
UNK600	91600	125	N-OCTADECANE
UNK601	91601	55.1	2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	18.5	ALIPHATIC HYDROCARBON
UNK603	91603	8.91	ALIPHATIC HYDROCARBON
UNK604	91604	8.77	ALIPHATIC HYDROCARBON
UNK605	91605	64.7	ALKENE OR ALCOHOL, HYDROCARBON
UNK606	91606	117	N-NONADECANE
UNK609	91609	89.2	HEXADECANOIC ACID
UNK611	91611	76.3	N-EICOSANE
UNK614	91614	26.9	ALKENE OR ALCOHOL
UNK615	91615	33.7	ALKENE OR ALCOHOL
UNK616	91616	32.6	N-HENEICOSANE
UNK617	91617	0.0	NOT FOUND
UNK618	91618	466	ALCOHOL OR ALKENE
UNK620	91620	9.68	ALIPHATIC HYDROCARBON
UNK632	91632	16.9	ALIPHATIC HYDROCARBON
UNK635	91635	14.9	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	14.5	UNK

	02034		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	5	
DATE	09/05/86		
TIME	13:57		
UNK059	91059	19.8	1 PROPAMINE
UNK515	91515	7.34	1,1,2-TRICHLOROETHANE
UNK531	91531	10.6	1,1,2,2-TETRACHLOROETHANE
UNK565	91565	219	CAPROLACTAM

PARAMETERS / UNITS	STORET # / METHOD	TICC	TENTATIVE ID
	02035		
DATE	06/25/86		
TIME	09:02		
UNK515	91515	9.64	1,1,2-TRICHLOROETHANE
UNK532	91532	17.6	1,1,2,2-TETRACHLOROETHANE
UNK551	91551	6.89	UNK
UNK594	91594	11.3	N-HEPTADECANE
UNK600	91600	37.9	N-HEXADECANE, ALKANE
UNK605	91605	8.45	N-NONADECANE
UNK608	91608	6.76	HEXADECANOIC ACID
UNK617	91617	14.8	OCTADECANOIC ACID
UNK632	91632	6.69	A PHTHALATE
UNK635	91635	12.1	A PHTHALATE
UNK640	91640	7.01	A PHTHALATE
UNK650	91650	9.97	A PHTHALATE
UNK655	91655	19.5	A PHTHALATE
UNK671	91671	5.60	A PHTHALATE

		02035	
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	6	
DATE	09/05/86		
TIME	15:00		
UNK565	91565	73.9	CAPROLACTAM

PARAMETERS	STORET #	THCC	TENTATIVE ID
	02037		
UNITS	METHOD	7	
DATE	06/23/86		
TIME	11:26		
UNK532	91532	7.83	1,1,2,2-TETRACHLOROETHANE
UNK585	91585	7.56	UNK
UNK617	91617	10.1	UNK
UNK632	91632	5.88	PHTHALATE
UNK635	91635	10.8	PHTHALATE
UNK640	91640	5.85	PHTHALATE
UNK642	91642	35.5	UNK
UNK650	91650	6.95	PHTHALATE
UNK655	91655	11.2	PHTHALATE
UNK660	91660	67.4	UNK
UNK661	91661	56.2	UNK
UNK671	91671	6.49	PHTHALATE

PARAMETERS UNITS	STORET # METHOD	TICC 8	TENTATIVE ID
DATE	06/23/86		
TIME	15:55		
UNK562	91562	7.88	UNK
UNK576	91576	7.31	UNK
UNK586	91586	9.11	DODECANOIC ACID
UNK608	91608	8.47	HEXADECANOIC ACID
UNK617	91617	7.81	ALCOHOL OR UNSATURATED FATTY ACIDS
UNK619	91619	15.8	BUTYL HEXADECANOATE
UNK628	91628	10.2	ISOBUTYL OCTADECANOATE
UNK631	91631	6.81	PHTHALATE
UNK632	91632	19.9	PHTHALATE
UNK633	91633	7.97	ALIPHATIC HYDROCARBON
UNK635	91635	36.2	PHTHALATE
UNK637	91637	6.94	ALIPHATIC HYDROCARBON
UNK640	91640	35.5	PHTHALATE
UNK641	91641	35.3	UNK
UNK642	91642	173	UNK
UNK643	91643	56.2	PHTHALATE
UNK644	91644	16.9	UNK
UNK645	91645	35.1	UNK
UNK646	91646	14.7	ALIPHATIC HYDROCARBON
UNK648	91648	6.63	PHTHALATE
UNK650	91650	32.9	PHTHALATE
UNK651	91651	13.6	PHTHALATE
UNK652	91652	8.72	ALIPHATIC HYDROCARBON
UNK655	91655	57.8	PHTHALATE
UNK671	91671	19.8	PHTHALATE

PARAMETERS	STORET #	TICC	TENTATIVE ID
UNITS	METHOD		
DATE	06/24/86		
TIME	10:05		
UNK565	91565	165	CAPROLACTAM
UNK608	91608	7.02	UNK
UNK618	91618	7.93	UNK
UNK621	91621	80.1	UNK
UNK627	91627	17.0	UNK, OCTADECANAMIDE
UNK628	91628	21.5	OCTADECANAMIDE
UNK637	91637	29.4	UNK
UNK642	91642	425	UNK
UNK647	91647	10.7	UNK
UNK655	91655	11.4	OCTANOIC ACID, 1,2,3-PROPANETRYL
UNK657	91657	33.4	UNK
UNK674	91674	1650	UNK

PARAMETERS	STORET #	TICC	TENTATIVE ID
	03005		
UNITS	METHOD	10	
DATE	06/11/86		
TIME	11:50		
UNK515	91515	7.59	1,1,2-TRICHLOROETHANE
UNK532	91532	14.4	1,1,2,2-TETRACHLOROETHANE
UNK575	91575	27.7	N-TETRADECANE
UNK576	91576	7.49	UNK
UNK578	91578	11.5	C15 ALKENE
UNK579	91579	15.6	C15 ALKENE
UNK582	91582	113	N-PENTADECANE
UNK585	91585	24.6	C16 ALKENE
UNK586	91586	51.0	C16 ALKENE, C17 ALKENE
UNK588	91588	329	N-HEXADECANE
UNK591	91591	154	C17, C18 ALKENE
UNK592	91592	38.3	C17 ALKENE
UNK594	91594	672	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	59.9	C18 ALKENE
UNK597	91597	51.7	C18 ALKENE
UNK598	91598	15.1	C18 ALKENE
UNK599	91599	BK	
UNK600	91600	517	N-OCTADECANE, C19 ALKENE, 2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	39.5	C19 ALKENE
UNK603	91603	73.4	C19 ALKENE
UNK605	91605	303	N-NONADECANE
UNK608	91608	13.7	C20 ALKENE
UNK610	91610	109	N-EICOSANE
UNK612	91612	11.7	C21 ALKENE
UNK614	91614	15.8	C21 ALKENE
UNK615	91615	32.4	N-HENEICOSANE
UNK617	91617	12.6	C22 ALKENE
UNK620	91620	13.2	N-DOCONANE
UNK621	91621	16.9	C23 ALKENE
UNK642	91642	112	UNK

PARAMETERS	03523		TENTATIVE ID
UNITS	STORET #	T:WC	
	METHOD	1	
DATE	06/04/86		
TIME	13:47		
UNK567	91567	*OK15.9	NO MATCH
UNK581	91581	*OK10.5	NO MATCH
UNK582	91582	*OK28.6	NO MATCH
UNK586	91586	*OK8.32	METHYL TRICYCLO(3,2,1,0,2,7)OCT-3-ENE-5-CARBOXYLATE

		04007	
PARAMETERS	STORET #	T4WC	TENTATIVE ID
UNITS	METHOD	2	
DATE	06/04/86		
TIME	14:13		

PARAMETERS	STORET #	04014 T4WC2	TENTATIVE ID
UNITS	METHOD	5	
DATE	08/26/86		
TIME	08:04		
UNK532	91532	16.0	1,1,2,2-TETRACHLOROETHANE
UNK564	91564	740	CAPROLACTAM
UNK622	91622	9.71	UNK
UNK642	91642	871	UNK
UNK672	91672	6040	UNK
UNK695	91695	4160	UNK

PARAMETERS	STORET #	04021 T4WC2	TENTATIVE ID
UNITS	METHOD	6	
DATE	08/25/86		
TIME	10:18		
UNK531	91531	6.44	1,1,2,2-TETRACHLOROETHANE
UNK565	91565	1120	CAPROLACTAM
UNK636	91636	7.45	PHTHALATE
UNK642	91642	47.4	UNK
UNK671	91671	304	UNK
UNK693	91693	223	UNK

PARAMETERS / UNITS	STORET # / METHOD	T4WC2	TENTATIVE ID
	04027	7	
DATE	08/26/86		
TIME	11:59		
UNK565	91565	668	CAPROLACTAM
UNK642	91642	31.9	UNK
UNK671	91671	207	UNK
UNK693	91693	132	UNK

	04030		
PARAMETERS	STORET #	TJWC	TENTATIVE ID
UNITS	METHOD	3	
DATE	06/04/86		
TIME	08:24		
UNK518	91518 *OK16.8		CYCLOPENTANONE

PARAMETERS	STORET #	TMWC	TENTATIVE ID
	04033		
UNITS	METHOD	4	
DATE	06/04/86		
TIME	09:01		
UNK565	91565 *OK	5.75	HEXAHYDRO-2H-AZEPIN-2-ONE
UNK622	91622 *OK	5.88	NO MATCH
UNK642	91642 *OK	51.9	NO MATCH

		6005	
PARAMETERS	STORET #	T43WC	TENTATIVE ID
UNITS	METHOD	4	
DATE	06/04/86		
TIME	11:37		
UNK642	91642	*OK11.1	NO MATCH

PARAMETERS	STORET #	07001 T4BWC	TENTATIVE ID
UNITS	METHOD	1	
DATE	05/29/86		
TIME	11:26		

PARAMETERS	STORET #	T:WC	TENTATIVE ID
UNITS	METHOD	5	
DATE	06/05/86		
TIME	11:05		

09005

PARAMETERS	STORET #	11002 T4BWC	TENTATIVE ID
UNITS	METHOD	2	
DATE	05/29/86		
TIME	08:45		

PARAMETERS	STORET #	T4CC	TENTATIVE ID
	22021		
UNITS	METHOD	11	
DATE	06/12/86		
TIME	09:37		
UNK517	91517	14.6	CYCLOPENTANONE
UNK568	91568	7.64	N-TRIDECANE
UNK575	91575	38.2	N-TETRADECANE
UNK578	91578	16.5	C14 OR C15 ALKENE
UNK579	91579	19.6	C15 ALKENE
UNK582	91582	114	N-PENTADECANE
UNK583	91583	6.75	BIPHENYL-OL
UNK585	91585	37.6	C16 ALKENE
UNK586	91586	33.0	C16 ALKENE
UNK588	91588	342	N-HEXADECANE
UNK591	91591	131	C17 OR C18 ALKANE OR ALKENE, 2,6,10-TRIMETHYLPENTADECANE
UNK592	91592	16.9	C18 OR C17 ALKENE
UNK594	91594	532	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	54.5	C18 ALKENE, ALKANE
UNK597	91597	46.9	C18 ALKENE
UNK598	91598	13.6	C18 ALKENE
UNK599	91599	382	N-OCTADECANE
UNK600	91600	111	2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	38.3	C19 OR C20 ALKENE
UNK603	91603	77.0	C19 OR C20 ALKENE
UNK605	91605	247	N-NONADECANE, C19 ALKENE
UNK607	91607	16.4	C20 OR C21 ALKENE
UNK608	91608	15.9	C20 ALKENE
UNK610	91610	129	N-EICOSANE
UNK612	91612	13.0	C20 OR C21 ALKENE
UNK613	91613	6.84	C21 ALKENE
UNK614	91614	17.8	C21 ALKENE
UNK615	91615	38.5	N-HENEICOSANE
UNK617	91617	19.1	C21 ALKENE
UNK620	91620	15.9	C21 OR C22 ALKENE
UNK621	91621	20.8	C23 ALKENE
UNK642	91642	11.6	UNK

22024

PARAMETERS UNITS	STORET # METHOD	TNCC 12	TENTATIVE ID
DATE	06/12/86		
TIME	07:28		
UNK517	91517	26.9	CYCLOPENTANONE
UNK545	91545	9.95	LIMONENE
UNK552	91552	12.9	NONANAL
UNK568	91568	19.4	N-TRIDECANE
UNK573	91573	14.8	DECANOIC ACID, C15 ALKENE
UNK575	91575	120	N-TETRADECANE
UNK578	91578	51.2	C14 OR C15 ALKENE
UNK579	91579	77.7	C15 OR C16 ALKENE
UNK580	91580	26.8	C16 ALKENE, ALKENE
UNK582	91582	504	N-PENTADECANE
UNK583	91583	27.1	BIPHENYL-OL
UNK585	91585	126	C16 OR C17 ALKENE, ALKENE
UNK586	91586	178	C16 OR C17 ALKENE
UNK587	91587	52.8	C17 ALKENE, ALKENE
UNK588	91588	1060	N-HEXADECANE
UNK589	91589	14.6	C17 ALKENE OR ALKENE
UNK591	91591	580	2,6,10-TRIMETHYLPENTADECANE, C17 OR C18 ALKENE
UNK592	91592	144	C18 ALKENE
UNK594	91594	1790	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	175	ALIPHATIC HYDROCARBON
UNK597	91597	273	ALIPHATIC HYDROCARBON
UNK598	91598	201	ALIPHATIC HYDROCARBON
UNK600	91600	1620	N-OCTADECANE, ALIPHATIC HYDROCARBON
UNK602	91602	132	ALIPHATIC HYDROCARBON
UNK603	91603	266	ALIPHATIC HYDROCARBON
UNK604	91604	79.2	ALIPHATIC HYDROCARBON
UNK605	91605	749	ALIPHATIC HYDROCARBON, N-NONADECANE
UNK607	91607	43.7	ALIPHATIC HYDROCARBON
UNK608	91608	102	ALIPHATIC HYDROCARBON
UNK610	91610	358	N-EICOSANE
UNK612	91612	47.7	ALIPHATIC HYDROCARBON
UNK613	91613	81.5	ALIPHATIC HYDROCARBON
UNK615	91615	103	N-HENEICOSANE
UNK617	91617	36.8	ALIPHATIC HYDROCARBON
UNK619	91619	34.3	N-DOCOSANE
UNK621	91621	37.6	ALIPHATIC HYDROCARBON
UNK632	91632	20.7	ALIPHATIC HYDROCARBON
UNK642	91642	110	UNK

	22059		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	7	
DATE	09/03/86		
TIME	10:24		
UNK515	91515	26.6	1,1,2-TRICHLOROETHANE
UNK531	91531	39.1	1,1,2,2-TETRACHLOROETHANE
UNK565	91565	451	CAPROLACTAM
UNK642	91642	1340	UNK
UNK647	91647	12.4	UNK
UNK654	91654	1580	UNK
UNK672	91672	7400	UNK
UNK694	91694	6320	UNK

PARAMETERS	STORET #	22060 T4CC2	TENTATIVE ID
UNITS	METHOD	S	
DATE	09/03/86		
TIME	08:05		
UNK564	91564	28.6	CAPROLACTAM
UNK642	91642	63.3	UNK
UNK650	91650	20.3	UNK
UNK654	91654	960	UNK
UNK671	91671	130	UNK
UNK693	91693	60.9	UNK

PARAMETERS	STORET #	23095 T4CC2	TENTATIVE ID
UNITS	METHOD	9	
DATE	09/03/86		
TIME	12:31		
UNK036	91036	13.0	
UNK049	91049	4.45	
UNK053	91053	4.80	
UNK123	91123	38.6	PROPANEDINITRYL
UNK144	91144	6.30	ISOMER OF DICYCLOPENTADIENE
UNK146	91146	8.30	ISOMER OF DICYCLOPENTADIENE
UNK158	91158	21.5	PROPAMIN ACID
UNK161	91161	310	TETRACYCLOHEPTANE, ISOBUTYLBENZENE
UNK177	91177	8.40	HEXACHLOROBUTADIENE
UNK518	91518	20.4	TETRACHLOROETHENE
UNK551	91551	10.9	UNK
UNK552	91552	10.7	UNK
UNK553	91553	26.8	UNK
UNK555	91555	119	UNK
UNK558	91558	25.3	UNK
UNK561	91561	16.3	UNK
UNK562	91562	9.45	TETRACHLOROSTANNANE
UNK564	91564	11.8	UNK
UNK566	91566	131	CYCLIC COMPOUND
UNK570	91570	97.0	POSSIBLY ALPHA-METHYLBENZYLAMINE
UNK571	91571	29.7	UNK
UNK572	91572	11.1	UNK
UNK574	91574	9.25	UNK
UNK575	91575	9.33	UNK
UNK577	91577	26.3	BICYCLO OR TRICYCLO COMPOUND
UNK579	91579	1730	UNK
UNK581	91581	115	BICYCLO OR TRICYCLO COMPOUND
UNK584	91584	399	UNK
UNK586	91586	1260	UNK
UNK588	91588	620	UNK
UNK591	91591	35.5	HEPTACHLOROBICYCLO[2,2,1]-HEPT-2-ENE
UNK595	91595	95.8	UNK
UNK605	91605	20.5	UNK
UNK606	91606	55.5	UNK
UNK609	91609	236	UNK
UNK618	91618	19.5	UNK
UNK621	91621	11.8	UNK
UNK622	91622	69.0	UNK
UNK625	91625	55.6	HEXACHLORO COMPOUND
UNK632	91632	120	UNK
UNK638	91638	56.0	UNK
UNK642	91642	740	UNK
UNK647	91647	94.2	UNK
UNK654	91654	12.2	PHTHALATE
UNK656	91656	39.4	UNK
UNK672	91672	4170	UNK
UNK695	91695	4100	UNK

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PARAMETERS UNITS	STORET # METHOD	T4CC2 15	TENTATIVE ID
DATE	09/04/86		
TIME	15:15		
UNK515	91515	10.7	1,1,2-TRICHLOROETHANE
UNK531	91531	16.7	1,1,2,2-TETRACHLOROETHANE
UNK551	91551	6.10	UNK
UNK565	91565	263	CAPROLACTAM
UNK579	91579	13.7	UNK
UNK582	91582	7.86	UNK
UNK588	91588	23.2	HEXADECANE
UNK591	91591	19.9	ALKANE
UNK594	91594	50.2	HEPTADECANE
UNK595	91595	24.7	2,6,10,14-TETRAMETHYLPENTADECANE
UNK597	91597	6.52	ALKENE
UNK600	91600	29.2	OCTADECANE
UNK601	91601	18.0	ALKANE, ALKENE
UNK605	91605	27.3	NONADECANE
UNK611	91611	10.9	ALKANE
UNK642	91642	660	UNK
UNK671	91671	2370	UNK
UNK694	91694	2150	UNK

	23-192		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	17	
DATE	09/05/86		
TIME	16:00		
UNK564	91564	29.9	CAPROLACTAM
UNK582	91582	7.54	N-PENTADECANE
UNK588	91588	26.3	N-HEXADECANE
UNK591	91591	13.6	ALKENE
UNK594	91594	49.3	N-HEPTADECANE
UNK595	91595	17.9	2,6,10,16-TETRAMETHYLPENTADECANE
UNK598	91598	6.92	ALKENE
UNK600	91600	36.0	N-OCTADECANE
UNK601	91601	15.9	2,6,10,14-TETRAMETHYLHEXADECANE
UNK605	91605	25.0	N-NONADECANE
UNK609	91609	68.0	UNK
UNK611	91611	14.6	N-EICOSANE
UNK622	91622	20.6	UNK
UNK638	91638	50.1	UNK
UNK642	91642	355	UNK
UNK647	91647	22.2	UNK
UNK656	91656	11.6	UNK
UNK671	91671	1460	UNK
UNK693	91693	1170	UNK

		23125	
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	10	
DATE	09/25/86		
TIME	15:24		
UNK055	91055	*OK9.70	THF
UNK089	91089	*BK0	NO MATCH
UNK129	91129	*BK0	NO MATCH
UNK174	91174	*BK0	NO MATCH
UNK653	91653	331	CORRESPONDING LOT-HIT-NOT FOUND

PARAMETERS	STORET #	THCC	TENTATIVE ID
UNITS	METHOD	13	
DATE	06/26/86		
TIME	08:47		
UNK055	91055	31.7	
UNK064	91064	156	
UNK515	91515	7.39	1,1,2-TRICHLOROETHANE
UNK517	91517	15.2	CYCLOPENTANONE
UNK532	91532	13.6	1,1,2,2-TETRACHLOROETHANE
UNK551	91551	10.3	UNK
UNK563	91563	15.7	UNK
UNK575	91575	10.6	N-TETRADECANE
UNK579	91579	46.4	DIMETHYL PHTHALATE, UNK
UNK582	91582	44.4	N-PENTADECANE, UNK
UNK586	91586	13.3	ALIPHATIC HYDROCARBON
UNK587	91587	96.8	UNK
UNK588	91588	46.1	N-HEXADECANE
UNK591	91591	73.0	ALIPHATIC HYDROCARBON, 2,6,10-TRIMETHYLPENTADECANE ALKENE OR ALCOHOL
UNK592	91592	20.3	ALKANE, ALIPHATIC HYDROCARBON
UNK594	91594	157	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADIENE
UNK596	91596	15.5	ALIPHATIC HYDROCARBON
UNK597	91597	18.0	ALIPHATIC HYDROCARBON
UNK600	91600	134	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANE
UNK602	91602	14.1	ALIPHATIC HYDROCARBON
UNK603	91603	17.0	ALIPHATIC HYDROCARBON
UNK604	91604	7.16	ALIPHATIC HYDROCARBON
UNK605	91605	70.9	N-NONADECANE
UNK607	91607	6.80	ALIPHATIC HYDROCARBON
UNK608	91608	8.96	ALIPHATIC HYDROCARBON
UNK610	91610	33.1	N-EICOSANE
UNK615	91615	12.0	N-HEHEICOSANE
UNK617	91617	15.3	ALKENE OR ALCOHOL
UNK621	91621	7.17	ALIPHATIC HYDROCARBON
UNK635	91635	22.0	A PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE

PARAMETERS	STORET #	23177 T4CC	TENTATIVE ID
UNITS	METHOD	15	
DATE	06/12/86		
TIME	15:00		
UNK575	91575	11.3	N-TETRADECANE
UNK578	91578	6.56	C14 ALKENE
UNK579	91579	6.87	C15 ALKENE
UNK582	91582	47.5	N-PENTADECANE
UNK585	91585	11.8	C16 ALKENE, ALKENE
UNK586	91586	15.4	C16 ALKENE
UNK588	91588	154	N-HEXADECANE
UNK591	91591	65.7	C17 ALKENE, 2,6,10-TRIMETHYL-PENTADECANE
UNK592	91592	16.0	C17 ALKENE
UNK594	91594	259	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	25.1	C18 ALKENE
UNK597	91597	20.1	C17 OR C18 ALKENE
UNK598	91598	6.36	C18 ALKENE
UNK600	91600	257	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANE
UNK601	91601	BK	
UNK602	91602	21.1	C19 ALKENE
UNK603	91603	30.8	C19 ALKENE
UNK604	91604	9.38	C19 ALKENE
UNK605	91605	112	N-NONADECANE
UNK610	91610	55.8	N-EICOSANE
UNK614	91614	6.58	C21 ALKENE
UNK615	91615	19.5	N-HENEICOSANE
UNK620	91620	7.69	N-DOCOSANE
UNK621	91621	8.75	C22 ALKENE
UNK642	91642	71.0	UNK
UNK664	91664	414	

PARAMETERS UNITS	STORET # METHOD	23179 T4CC 16	TENTATIVE ID
DATE	06/12/86		
TIME	09:42		
UNK161	91161	24400	NO MATCH
UNK515	91515	6.52	1,1,2-TRICHLOROETHANE
UNK517	91517	40.5	CYCLOPENTANONE
UNK519	91519	17.7	TETRACHLOROETHENE
UNK532	91532	22.2	1,1,2,2-TETRACHLOROETHANE
UNK536	91536	16.3	UNK
UNK540	91540	8.68	PHOSPHOROTHIDIC ACID, TRIMETHYL ESTER
UNK551	91551	24.4	UNK
UNK553	91553	41.9	UNK
UNK554	91554	19.7	UNK
UNK555	91555	106	UNK
UNK558	91558	20.0	UNK
UNK559	91559	17.0	UNK
UNK560	91560	6.56	UNK
UNK561	91561	20.6	UNK
UNK562	91562	33.2	HEXACHLOROBUTADIENE
UNK563	91563	28.7	UNK
UNK566	91566	32.3	UNK
UNK567	91567	20.4	UNK
UNK568	91568	16.7	8-OXATRICYCLO(2,2,2,0,2,6)-OCTAN-7-ONE (c17c18)
UNK570	91570	129	UNK
UNK572	91572	39.1	UNK
UNK573	91573	30.1	UNK
UNK574	91574	9.21	TETRACHLOROBENZENE
UNK575	91575	20.3	METHYLSULFOXYLBENZENE
UNK577	91577	65.4	UNK
UNK579	91579	250	UNK
UNK580	91580	544	UNK
UNK581	91581	38.1	UNK
UNK582	91582	51.6	UNK
UNK583	91583	102	2-(4-METHYL-2-FURYL)-2-CYCLO-PENTEN-/ONE, UNK
UNK584	91584	83.8	UNK
UNK587	91587	174	UNK
UNK588	91588	85.8	N-HEXADECANE
UNK589	91589	14.2	UNK
UNK590	91590	11.7	UNK
UNK591	91591	35.5	UNK, 2,6,10-TRIMETHYLPENTADECANE
UNK592	91592	7.55	UNK
UNK593	91593	8.40	UNK
UNK594	91594	133	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK595	91595	23.2	UNK
UNK596	91596	19.6	UNK
UNK597	91597	7.56	UNK
UNK598	91598	10.8	UNK

UNK600	91600	14.7	2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	31.7	UNK
UNK605	91605	62.7	N-NONADECANE
UNK606	91606	17.8	UNK
UNK608	91608	63.3	UNK, HEXADECANOIC ACID
UNK609	91609	10.3	DIHYDROXYLMETHYLBENZOATE
UNK610	91610	19.7	N-EICOSANE
UNK615	91615	7.90	N-HENEICOSANE
UNK619	91619	6.51	N-DOCOSANE
UNK620	91620	13.2	UNK
UNK621	91621	8.46	UNK
UNK622	91622	8.36	CHLORINATED COMPOUND W/ 4CL
UNK623	91623	7.56	UNK
UNK625	91625	12.0	UNK
UNK631	91631	10.4	UNK
UNK633	91633	10.6	CHLORINATED COMPOUND (cl4)
UNK635	91635	7.46	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	14.1	UNK

PARAMETERS	STORET #	23179 T4CC2	TENTATIVE ID
UNITS	METHOD	12	
DATE	09/02/86		
TIME	09:57		
UNK044	91044	6.40	2 PROPANIL
UNK053	91053	4.50	NO MATCH
UNK123	91123	30.8	ISOMER OF DICYCLOPENTADIENE
UNK144	91144	10.8	ISOMER OF DICYCLOPENTADIENE
UNK158	91158	54.7	ISOBUTYLBENZENE
UNK161	91161	699	ISOBUTYLBENZENE
UNK515	91515	17.2	1,1,2-TRICHLOROETHANE
UNK518	91518	46.2	TETRACHLOROETHENE
UNK531	91531	25.9	1,1,2,2-TETRACHLOROETHANE
UNK535	91535	21.2	UNK
UNK540	91540	50.4	UNK
UNK551	91551	36.3	UNK
UNK552	91552	20.4	UNK
UNK553	91553	48.7	UNK
UNK554	91554	32.2	UNK
UNK555	91555	174	UNK
UNK558	91558	24.8	UNK
UNK562	91562	19.1	HEXACHLOROBUTADIENE
UNK566	91566	1790	CAPROLACTAM
UNK569	91569	30.5	POSSILBY 8-OXATRICYCLO-(2,2,2,0,2,6)OCTAN-2-ONE
UNK570	91570	84.9	UNK
UNK571	91571	106	UNK
UNK572	91572	79.9	UNK
UNK573	91573	24.0	ALIPHATIC CYCLIC COMPOUND
UNK574	91574	24.6	UNK
UNK575	91575	32.7	UNK
UNK577	91577	126	UNK
UNK580	91580	1300	UNK
UNK581	91581	30.2	UNK
UNK582	91582	64.9	UNK
UNK583	91583	86.9	UNK
UNK584	91584	51.9	UNK
UNK587	91587	365	ALIPHATIC CYCLIC COMPOUND
UNK588	91588	38.3	UNK
UNK589	91589	22.7	UNK
UNK591	91591	19.0	HEPTACHLORO-BICYCLO-[2,2,1]-HEPT-2-ENE
UNK594	91594	20.9	UNK
UNK595	91595	17.8	UNK
UNK602	91602	75.5	UNK
UNK605	91605	37.7	UNK
UNK606	91606	52.0	UNK
UNK608	91608	121	UNK
UNK609	91609	17.4	UNK
UNK642	91642	255	UNK
UNK671	91671	1080	UNK
UNK693	91693	854	UNK

	23182		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	14	
DATE	09/04/86		
TIME	10:12		
UNK642	91642	186	UNK
UNK652	91652	110	UNK
UNK671	91671	680	UNK
UNK693	91693	413	UNK

	23183		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	15	
DATE	09/04/86		
TIME	14:07		
UNK579	91579	5.88	DIMETHYL PHTHALATE
UNK587	91587	39.9	UNK

PARAMETERS / UNITS	STORET # / METHOD	TACC	TENTATIVE ID
	23185		
DATE	06/19/86		
TIME	10:03		
UNK515	91515	8.38	1,1,2-TRICHLOROETHANE
UNK532	91532	14.2	1,1,2,2-TETRACHLOROETHANE
UNK562	91562	15.2	UNK
UNK563	91563	16.3	UNK
UNK576	91576	23.8	UNK
UNK582	91582	6.98	UNK
UNK588	91588	14.9	UNK
UNK591	91591	8.09	C17 OR C18 ALKANE
UNK594	91594	38.3	N-HEPTADECANE
UNK600	91600	12.7	2,6,10,14-TETRAMETHYLHEXADECANE
UNK605	91605	21.1	N-NONADECANE
UNK610	91610	11.7	N-HENEICOSANE
UNK628	91628	14.5	OCTADECANAMIDE, UNK
UNK642	91642	10.8	BIS(2-ETHYLHEXYL)PHTHALATE

PARAMETERS	STORET #	23188 TACC	TENTATIVE ID
UNITS	METHOD	18	
DATE	06/19/86		
TIME	11:46		
UNK129	91129	13.5	1,4 DITHIAN
UNK161	91161	7.60	NO MATCH
UNK517	91517	18.2	CYCLOPENTANONE
UNK532	91532	10.4	1,1,2,2-TETRACHLOROETHANE
UNK541	91541	7.18	UNK
UNK553	91553	10.3	UNK
UNK555	91555	16.6	UNK
UNK558	91558	8.24	POSSIBLY N-HEXYLACETAMIDE
UNK561	91561	19.2	N,N'-BIS(1-METHYLETHYL)UN
UNK563	91563	6.60	UNK
UNK566	91566	9.13	UNK
UNK569	91569	27.3	UNK
UNK570	91570	52.2	UNK
UNK572	91572	7.52	UNK
UNK574	91574	9.41	UNK
UNK575	91575	9.87	UNK
UNK576	91576	17.6	UNK
UNK577	91577	11.3	UNK
UNK579	91579	6.58	UNK
UNK580	91580	251	UNK
UNK581	91581	7.26	UNK
UNK582	91582	33.1	N-PENTADECANE
UNK583	91583	11.2	POSSIBLY 2-(4-METHYL-2-FURYL)?
UNK584	91584	18.2	UNK
UNK586	91586	45.6	UNK
UNK587	91587	6.74	C12 ALKYNE
UNK588	91588	79.7	N-HEXADECANE, ALKENE OR ALCOHOL
UNK591	91591	32.5	ALKANE, 2,6,10-TRIMETHYL-PENTADECANE
UNK594	91594	137	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	15.5	C18 ALKANE
UNK597	91597	13.4	C17 ALKENE
UNK599	91599	86.9	N-OCTADECANE
UNK600	91600	23.7	2,6,10,14-TETRAMETHYLHEXADECANE
UNK602	91602	36.2	UNK
UNK603	91603	16.2	ALKENE
UNK605	91605	72.4	N-NONADECANE, ALKANE OR ALKENE
UNK608	91608	15.0	ALKENE
UNK610	91610	32.0	N-EICOSANE
UNK615	91615	11.7	N-HENEICOSANE
UNK620	91620	7.65	UNK
UNK621	91621	7.80	UNK

PARAMETERS / UNITS	STORET # / METHOD	23190 TICC 19	TENTATIVE ID
DATE	06/19/86		
TIME	12:41		
UNK532	91532	7.31	1,1,2,2-TETRACHLOROETHANE
UNK575	91575	8.75	N-TETRADECANE
UNK579	91579	6.28	ALKANE
UNK582	91582	48.6	N-PENTADECANE
UNK585	91585	33.6	ALKENE
UNK586	91586	41.9	ALKANE, DODECANOIC ACID, ALKENE
UNK588	91588	190	N-HEXADECANE
UNK591	91591	74.0	ALKANE, 2,6,10-TRIMETHYL-PENTADECANE, ALKENE
UNK592	91592	19.1	ALKANE, ALKENE
UNK594	91594	267	ALKANE, N-HEPTADECANE, 2,6,10,14-TETRAMETHYLPENTANONE
UNK596	91596	30.1	ALKANE
UNK597	91597	65.8	ALKENE
UNK598	91598	7.57	ALKENE
UNK600	91600	228	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANE
UNK602	91602	23.6	ALKANE OR ALKENE
UNK603	91603	34.4	ALKENE
UNK605	91605	143	ALKANE, N-NONADECANE
UNK607	91607	9.65	ALKENE
UNK608	91608	28.1	ALKENE
UNK610	91610	59.9	N-EICOSANE
UNK614	91614	7.79	ALKENE
UNK615	91615	18.6	N-HENEICOSANE
UNK617	91617	15.7	ALKENE OR ALCOHOL
UNK619	91619	8.30	ALKENE
UNK620	91620	7.31	DOCOSANE OR ALKENE
UNK621	91621	9.35	ALIPHATIC HYDROCARBON
UNK635	91635	92.9	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	35.6	UNK

24178

PARAMETERS UNITS	STORET # METHOD	TICC 20	TENTATIVE ID
DATE	06/19/86		
TIME	14:22		
UNK519	91519	21.0	TETRACHLOROETHENE
UNK589	91589	33.7	UNK
UNK591	91591	6.12	1,2,3,4,5,7,7-HEPTACHLORNOR-BORNENE
UNK594	91594	9.79	2,6,10,14-TETRAMETHYLPENTADIENE
UNK600	91600	11.5	2,6,10,14-TETRAMETHYLHEXADIENE
UNK629	91629	26.2	POSSIBLY A BENZOTHIAZENE
UNK635	91635	6.90	BIS(2-ETHYLHEXYL)PHTHALATE

		24178	
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	18	
DATE	09/22/86		
TIME	14:50		
UNK518	91518	32.1	TETRACHLOROETHANE
UNK589	91589	23.1	UNK
UNK629	91629	19.4	UNK

PARAMETERS UNITS	STORET # METHOD	25016 T4CC2 20	TENTATIVE ID
DATE	09/05/86		
TIME	11:06		
UNK568	91568	2350	CAPROLACTAM
UNK571	91571	21.9	UNK
UNK599	91599	21.5	UNK
UNK617	91617	19.3	ALKENE OR ALCOHOL
UNK618	91618	49.4	OCTADECANOIC ACID, UNK
UNK619	91619	14.7	UNK
UNK620	91620	27.7	AN ALIPHATIC AMIDE, POSSIBLY HEXADECANAMIDE
UNK622	91622	81.6	UNK
UNK625	91625	6.91	UNK
UNK626	91626	7.32	UNK
UNK628	91628	305	AN ALIPHATIC AMIDE, LIKELY OCTADECENAMIDE
UNK629	91629	53.8	OCTADECANAMIDE
UNK635	91635	15.0	PHTHALATE
UNK636	91636	12.5	PHTHALATE
UNK637	91637	15.1	UNK
UNK638	91638	57.4	UNK
UNK642	91642	676	UNK
UNK647	91647	21.9	UNK
UNK652	91652	230	UNK
UNK656	91656	95.0	UNK
UNK671	91671	3470	UNK
UNK694	91694	2550	UNK

PARAMETERS	STORET #	THCC	TENTATIVE ID
UNITS	METHOD	21	
	25023		
DATE	06/25/86		
TIME	08:36		
UNK517	91517	13.8	UNK
UNK551	91551	14.9	UNK
UNK608	91608	9.06	HEXADECANOIC ACID
UNK617	91617	7.69	OCTADECANOIC ACID
UNK619	91619	6.01	
UNK620	91620	6.75	UNK
UNK623	91623	6.01	UNK
UNK628	91628	20.0	AN AMIDE, OCTADECANAMIDE
UNK635	91635	19.6	BIS(2-ETHYLHEXYL)PHTHALATE
UNK636	91636	6.30	UNK
UNK642	91642	26.6	UNK

PARAMETERS	STORET #	26011 T4CC2	TENTATIVE ID
UNITS	METHOD	21	
DATE	09/19/86		
TIME	08:54		
UNK565	91565	216	CAPROLACTAM
UNK579	91579	34.7	UNK
UNK585	91585	11.4	UNK
UNK642	91642	757	UNK
UNK671	91671	3760	UNK
UNK694	91694	3680	UNK

PARAMETERS / UNITS	STORET # / METHOD	T4CC2 / 22	TENTATIVE ID
	26015		
DATE	09/22/86		
TIME	09:10		
UNK055	91055	53.5	THF
UNK562	91562	8.04	N-N'-BIS(1-METHYLETHYL)UREA
UNK565	91565	375	CAPROLACTAM
UNK570	91570	28.5	UNK
UNK579	91579	26.9	UNK
UNK602	91602	7.28	UNK
UNK609	91609	7.37	UNK
UNK642	91642	18.9	UNK
UNK671	91671	61.9	UNK
UNK693	91693	35.4	UNK

	26017		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	23	
DATE	09/22/86		
TIME	10:53		
UNK055	91055	26.0	THF
UNK565	91565	221	CAPROLACTAM
UNK642	91642	48.3	UNK
UNK671	91671	113	UNK
UNK693	91693	58.1	UNK

		26020		
PARAMETERS	STORET #	T4CC2		TENTATIVE ID
UNITS	METHOD	24		
DATE	09/23/86			
TIME	08:45			
UNK055	91055	122		THF

PARAMETERS	STORET #	TICC	TENTATIVE ID
	26041		
UNITS	METHOD	23	
DATE	06/27/86		
TIME	10:28		
UNK020	91020	247	UNK
UNK044	91044	277	2 PROPANOL
UNK049	91049	28.3	DIMETHOXYMETHANE
UNK055	91055	23.4	THF
UNK123	91123	34.8	1,3-CYCLOPENTADIENE
UNK129	91129	46.4	1,4-DITHIAM
UNK156	91156	28.2	NO MATCH
UNK161	91161	141	TETRACYCLOHEPTANE
UNK513	91513	15.3	PYRIDINE
UNK514	91514	60.7	N-PROPYLPROPANAMINE
UNK515	91515	921	TOLUENE
UNK517	91517	182	CYCLOPENTANONE
UNK522	91522	21.2	CYCLOPENTEN-/-ONE
UNK523	91523	453	4-HYDROXY-4-METHYL-2-PENTANONE
UNK530	91530	8680	DMMP
UNK536	91536	1720	UNK
UNK540	91540	1080	METHYL-2,4-PENTANEDIOL
UNK543	91543	18.5	UNK
UNK546	91546	195	3,3,5-TRIMETHYLCYCLOHEXANON
UNK548	91548	501	POSSIBLY PHENOL
UNK554	91554	377	POSSIBLY CHLOROMETHYL PHENOL
UNK555	91555	882	TRIETHYLPHOSPHATE
UNK560	91560	2280	UNK
UNK561	91561	101	UNK
UNK566	91566	564	UNK
UNK568	91568	2500	UNK
UNK570	91570	398	CHLOROMETHYL PHENOL
UNK571	91571	48.4	CHLOROMETHYL PHENOL
UNK574	91574	242	UNK
UNK575	91575	53.0	AN ACID
UNK576	91576	195	METHYL SULFOXYL BENZENE
UNK578	91578	68.2	UNK
UNK579	91579	24.8	UNK
UNK586	91586	2320	UNK
UNK587	91587	1160	UNK
UNK588	91588	1160	UNK
UNK590	91590	1160	UNK
UNK591	91591	41.1	HEPTACHLORONOLBORENE
UNK594	91594	22.5	N-HEPTADECANE
UNK595	91595	36.7	UNK
UNK597	91597	9.90	UNK
UNK598	91598	32.7	TETRADECANOIC ACID
UNK606	91606	2060	UNK
UNK611	91611	427	UNK
UNK614	91614	1090	MOLECULAR SULFUR (S8)
UNK618	91618	567	ALCOHOL
UNK619	91619	66.3	UNK

UNK621	91621	44.8	UNK
UNK627	91627	76.0	AN AMIDE
UNK629	91629	29.7	UNK
UNK634	91634	111	UNK
UNK635	91635	19.7	PHTHALATE
UNK637	91637	12.3	UNK
UNK642	91642	834	UNK
UNK646	91646	15.9	UNK
UNK654	91654	33.3	OCTANOIC ACID
UNK656	91656	143	UNK
UNK669	91669	26.7	UNK
UNK672	91672	4450	UNK

PARAMETERS	STORET #	26041 T4CC2	TENTATIVE ID
UNITS	METHOD	25	
DATE	09/23/86		
TIME	07:10		
UNK035	91035	5280	DIMETHYL SULFIDE
UNK043	91043	170	NO MATCH
UNK162	91162	295	SILOSANE
UNK175	91175	216	TRIMETHYLCYCLOHEXANE
UNK514	91514	464	TOLUENE
UNK523	91523	126	4-HYDROXY-4-METHYL-2-PENTANONE
UNK528	91528	5480	DMMP
UNK533	91533	924	POSSIBLY 2-METHYL-2,4-PENTANOL
UNK545	91545	126	POSSIBLY TRIMETHYLCYCLOHEXANONE
UNK554	91554	304	TRIETHYL ESTER OF PHOSPHORIC ACID
UNK557	91557	728	UNK
UNK561	91561	916	UNK
UNK562	91562	280	UNK
UNK564	91564	121	CAPROLACTAM
UNK566	91566	344	BICYCLO COMPOUND, POSSIBLY CHLOROMETHYL PHENOL
UNK569	91569	552	UNK
UNK578	91578	165	UNK
UNK582	91582	212	UNK
UNK584	91584	492	UNK
UNK586	91586	836	UNK, CYCLO COMPOUND
UNK587	91587	944	UNK, CYCLO COMPOUND
UNK602	91602	1460	SULFUR CONTAINING COMPOUND
UNK605	91605	297	UNK
UNK606	91606	680	UNK
UNK608	91608	748	UNK
UNK609	91609	792	UNK
UNK614	91614	944	MOLECULAR SULFUR
UNK615	91615	184	UNK
UNK618	91618	339	UNK
UNK619	91619	241	UNK
UNK621	91621	351	UNK
UNK622	91622	148	UNK
UNK636	91636	656	PHTHALATE
UNK642	91642	440	UNK
UNK671	91671	1010	UNK
UNK693	91693	560	UNK

PARAMETERS		26066		
	STORET #		TECC	TENTATIVE ID
UNITS	METHOD		22	
DATE		06/25/86		
TIME		09:25		
UNK041	91041	5.10		NO MATCH
UNK056	91056	12.6		THF
UNK080	91080	30.2		THIOPHENE
UNK129	91129	122		1,4-DITHIANE
UNK524	91524	10.6		CHLOROBENZENE
UNK551	91551	6.77		POSSIBLY BUTYLGLYCOLACETATE
UNK558	91558	15.6		POSSIBLY 1,3-DITHIOLANE-2-THION
UNK563	91563	24.9		UNK
UNK566	91566	344		CAPROLACTAM
UNK573	91573	21.7		3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK578	91578	11.1		UNK
UNK580	91580	13.7		A CHLOROHYDORCARBON
UNK608	91608	10.9		HEXADECANOIC ACID
UNK617	91617	10.9		OCTADECANOIC ACID
UNK635	91635	8.79		BIS(2-ETHYLHEXYL)PHTHALATE
UNK637	91637	11.1		UNK
UNK642	91642	265		UNK
UNK647	91647	10.5		UNK
UNK655	91655	6.33		UNK
UNK657	91657	12.3		UNK
UNK664	91664	8.32		UNK
UNK674	91674	1540		UNK

PARAMETERS	STORET #	26073	TENTATIVE ID
UNITS	METHOD	21	
DATE	06/26/86		
TIME	09:52		
UNK551	91551	5.57	POSSIBLY BUTYLGLYCOLACETATE
UNK567	91567	1560	CAPROLACTAM
UNK627	91627	7.52	AN AMIDE
UNK635	91635	6.05	A PHTHALATE
UNK637	91637	46.0	UNK
UNK642	91642	960	UNK
UNK657	91657	58.7	UNK
UNK666	91666	19.8	UNK
UNK667	91667	25.2	UNK
UNK668	91668	43.9	UNK
UNK675	91675	4690	UNK

PARAMETERS UNITS	STORET # METHOD	26083 T4CC 25	TENTATIVE ID
DATE	06/23/86		
TIME	14:52		
UNK517	91517	6.37	CYCLOPENTANONE
UNK530	91530	6.54	CYCLOHEXANONE
UNK532	91532	8.55	1,1,2,2-TETRACHLOROETHANE
UNK538	91538	10.1	UNK
UNK545	91545	6.37	ALIPHATIC HYDROCARBON
UNK546	91546	7.27	ALIPHATIC HYDROCARBON
UNK582	91582	23.3	N-PENTADECANE
UNK586	91586	17.6	ALIPHATIC HYDROCARBON
UNK588	91588	126	ALIPHATIC HYDROCARBON, N-HEXADECANE
UNK591	91591	73.6	ALIPHATIC HYDROCARBON
UNK592	91592	18.1	ALIPHATIC HYDROCARBON
UNK594	91594	280	N-HEPTADECANE, ALIPHATIC HYDROCARBON
UNK596	91596	37.2	ALIPHATIC HYDROCARBON
UNK597	91597	23.7	ALIPHATIC HYDROCARBON
UNK598	91598	8.60	ALIPHATIC HYDROCARBON
UNK600	91600	205	N-OCTADECANE, ALIPHATIC HYDROCARBON
UNK601	91601	8.57	ALIPHATIC HYDROCARBON
UNK602	91602	27.5	ALIPHATIC HYDROCARBON
UNK603	91603	53.0	ALIPHATIC HYDROCARBON
UNK605	91605	210	ALIPHATIC HYDROCARBON, N-NONADECANE
UNK607	91607	19.5	ALIPHATIC HYDROCARBON
UNK608	91608	28.1	ALIPHATIC HYDROCARBON
UNK610	91610	95.5	N-EICOSANE
UNK612	91612	20.0	ALKENE OR ALCOHOL
UNK614	91614	17.4	ALKENE OR ALCOHOL
UNK615	91615	32.2	N-HENEICOSANE
UNK621	91621	1080	ALKENE OR ALCOHOL, UNK
UNK635	91635	14.6	PHTHALATE AND HYDROCARBON
UNK642	91642	38.8	UNK
UNK646	91646	152	UNK
UNK659	91659	104	UNK
UNK663	91663	410	UNK
UNK668	91668	52.8	CHOLEST-3-ENE (c27h46)
UNK672	91672	14.6	UNK

PARAMETERS	STORET #	26084 T4CC	TENTATIVE ID
UNITS	METHOD	26	
DATE	06/23/86		
TIME	13:57		
UNK056	91056	17.0	THF
UNK515	91515	13.2	TOLUENE
UNK517	91517	9.85	CYCLOPENTANONE
UNK562	91562	15.2	UNK
UNK575	91575	29.5	TETRADECANE
UNK576	91576	22.5	ALKENE OR ALCOHOL OR ACID
UNK578	91578	12.3	ALKENE OR ALCOHOL
UNK579	91579	19.3	ALIPHATIC HYDROCARBON
UNK582	91582	130	PENTADECANE
UNK585	91585	53.0	ALIPHATIC HYDROCARBON
UNK586	91586	47.8	ALIPHATIC HYDROCARBON
UNK588	91588	467	ALIPHATIC HYDROCARBON
UNK591	91591	128	ALIPHATIC HYDROCARBON
UNK592	91592	50.1	ALIPHATIC HYDROCARBON
UNK594	91594	843	HEPTADECANE, ALIPHATIC HYDROCARBON
UNK597	91597	56.5	ALIPHATIC HYDROCARBON
UNK598	91598	64.0	ALIPHATIC HYDROCARBON
UNK600	91600	726	OCTADECANE, ALIPHATIC HYDROCARBON
UNK602	91602	60.2	ALIPHATIC HYDROCARBON
UNK603	91603	123	ALIPHATIC HYDROCARBON
UNK605	91605	378	NONADECANE
UNK607	91607	18.3	ALIPHATIC HYDROCARBON
UNK608	91608	31.2	ALIPHATIC HYDROCARBON
UNK610	91610	227	EICOSANE
UNK612	91612	27.1	ALKENE OR ALCOHOL
UNK614	91614	33.6	ALIPHATIC HYDROCARBON
UNK615	91615	80.6	HENEICOSANE
UNK617	91617	25.2	ALIPHATIC HYDROCARBON
UNK620	91620	35.6	DOCOSANE
UNK623	91623	27.6	ALKENE OR ALCOHOL
UNK627	91627	14.6	ALKENE OR ALCOHOL
UNK642	91642	53.1	UNK
UNK662	91662	95.4	UNK
UNK674	91674	45.1	UNK

PARAMETERS	STORET #	26085 T4CC	TENTATIVE ID
UNITS	METHOD	27	
DATE	06/26/86		
TIME	14:20		
UNK055	91055	5.60	NO MATCH
UNK553	91553	9.48	UNK
UNK558	91558	28.8	1,3-DITHIOLANE-2-THIONE
UNK560	91560	6.39	UNK
UNK561	91561	8.85	UNK
UNK566	91566	332	CAPROLACTAM
UNK573	91573	26.4	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK574	91574	195	UNK
UNK578	91578	6.55	SULFUR COMPOUND
UNK581	91581	11.?	UNK
UNK582	91582	56.7	UNK
UNK585	91585	10.4	UNK
UNK589	91589	7.10	UNK
UNK608	91608	9.49	HEXADECANOIC ACID
UNK617	91617	24.2	ALKENE OR ALCOHOL
UNK624	91624	3940	UNK
UNK632	91632	11.2	PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE
UNK635	91635	26.0	PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE
UNK637	91637	47.2	UNK
UNK640	91640	10.2	PHTHALATE
UNK642	91642	245	UNK
UNK647	91647	14.1	UNK
UNK650	91650	8.71	PHTHALATE
UNK655	91655	9.27	PHTHALATE
UNK657	91657	19.9	UNK
UNK665	91665	972	UNK
UNK674	91674	1570	UNK
UNK685	91685	6.20	UNK

PARAMETERS	STORET #	T4CC	TENTATIVE ID
UNITS	METHOD	28	
DATE	06/24/86		
TIME	13:55		
UNK055	91055	167	THF
UNK517	91517	12.2	CYCLOPENTANONE
UNK518	91518	10.7	HEXANOL
UNK547	91547	14.7	UNK
UNK558	91558	9.66	1,3-DITHIOLANE-2-THIONE
UNK563	91563	56.0	UNK
UNK572	91572	104	UNK
UNK577	91577	92.9	UNK
UNK582	91582	74.6	PENTADECANE
UNK586	91586	38.0	ALIPHATIC HYDROCARBON, DODECANOIC ACID
UNK588	91588	368	HEXADECANE
UNK591	91591	132	ALIPHATIC HYDROCARBON
UNK592	91592	35.8	ALIPHATIC HYDROCARBON
UNK594	91594	563	HEPTADECANE
UNK596	91596	58.5	ALIPHATIC HYDROCARBON
UNK597	91597	36.2	ALIPHATIC HYDROCARBON
UNK598	91598	113	ALIPHATIC HYDROCARBON, TETRADECANOIC ACID
UNK600	91600	581	OCTADECANE, ALIPHATIC HYDROCARBON
UNK602	91602	59.7	ALIPHATIC HYDROCARBON
UNK603	91603	115	ALIPHATIC HYDROCARBON
UNK605	91605	369	ALIPHATIC HYDROCARBON, NONADECANE
UNK608	91608	358	ALKENE OR ALCOHOL
UNK610	91610	213	EICOSANE
UNK612	91612	16.8	ALKENE OR ALCOHOL
UNK614	91614	81.5	ALKENE OR ALCOHOL
UNK615	91615	91.1	HENEICOSANE
UNK618	91618	1430	ALKENE OR ALCOHOL
UNK619	91619	97.1	OCTADECANOIC ACID, ALKENE
UNK620	91620	53.0	DOCOSANE
UNK628	91628	18.8	ALKENE OR ALCOHOL
UNK632	91632	35.3	PHTHALATE
UNK635	91635	64.7	PHTHALATE
UNK640	91640	57.5	PHTHALATE
UNK641	91641	12.9	ALKENE
UNK642	91642	117	UNK
UNK643	91643	55.8	PHTHALATE
UNK650	91650	28.6	PHTHALATE
UNK651	91651	10.1	PHTHALATE
UNK655	91655	69.9	PHTHALATE
UNK671	91671	9.67	OIL, C15 TO C30

26127

PARAMETERS / UNITS	STORET # / METHOD	T4CC 29	TENTATIVE ID
DATE	06/26/86		
TIME	12:58		
UNK056	91056	7.43	THF
UNK129	91129	124	1,4-DITHIANE
UNK517	91517	8.90	CYCLOPENTANONE
UNK558	91558	7.32	POSSIBLY 1,3-DITHIOLANE-2-THIONE
UNK563	91563	25.2	UNK
UNK573	91573	9.57	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK574	91574	12.5	UNK
UNK575	91575	16.8	N-TETRADECANE
UNK578	91578	10.0	ALKENE OR ALCOHOL
UNK579	91579	13.7	ALKANE
UNK582	91582	82.4	N-PENTADECANE, UNK
UNK585	91585	45.2	ALIPHATIC HYDROCARBON, ALKENE OR ALCOHOL
UNK586	91586	31.8	ALKANE, ALKENE
UNK587	91587	15.0	ALKENE
UNK588	91588	275	ALKANE
UNK591	91591	119	ALKANE, 2,6,10-TRIMETHYL-PENTADECANE, ALKENE
UNK592	91592	27.0	ALIPHATIC HYDROCARBON
UNK594	91594	412	N-HEPTADECANE, 2,6,10-TETRA-METHYLPENTANONE
UNK596	91596	43.4	ALKANE OR ALKENE
UNK597	91597	37.0	ALKENE
UNK598	91598	9.22	ALKENE
UNK600	91600	297	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANOIC ACID
UNK602	91602	19.9	ALKANE
UNK603	91603	57.9	ALKENE OR ALCOHOL
UNK605	91605	208	ALKANE
UNK608	91608	14.8	ALKENE OR ALCOHOL
UNK610	91610	85.3	ALKENE
UNK614	91614	18.0	ALKENE
UNK615	91615	28.3	ALKENE
UNK621	91621	17.8	ALKENE
UNK627	91627	9.27	ALKENE OR ALCOHOL
UNK628	91628	13.0	ALKENE OR ALCOHOL
UNK642	91642	33.5	UNK
UNK663	91663	314	UNK

	26127		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	26	
DATE	09/29/86		
TIME	10:20		
UNK055	91055	*BK0	UNK
UNK089	91089	*OK5.50	CYCLOPENTANONE
UNK129	91129	*OK6.40	NO MATCH
UNK174	91174	*BK0	UNK
UNK563	91563	14.2	UNK
UNK573	91573	7.13	SULFER CONTAINING COMPOUND
UNK574	91574	11.0	POSSIBLY METHOXY BENZALDEHYDE
UNK582	91582	7.27	UNK
UNK642	91642	16.9	UNK

PARAMETERS / UNITS	STORET # / METHOD	T4CC 30	TENTATIVE ID
	26128		
DATE	06/24/86		
TIME	13:34		
UNK055	91055	2180	THF
UNK059	91059	8.30	THF
UNK129	91129	30.5	NO MATCH
UNK563	91563	17.3	UNK
UNK573	91573	7.22	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK574	91574	15.9	UNK
UNK582	91582	7.08	UNK
UNK608	91608	644	MOLECULAR SULFUR (S8)
UNK617	91617	7.40	UNSATURATED ACID
UNK626	91626	12.2	UNK
UNK627	91627	6.35	UNK
UNK630	91630	25.7	BENZAMINE, 4-(METHYL-SULFOXYL)-2,6-DINITRO-N,N-DIPROPYL-PHTHALATE
UNK632	91632	10.5	PHTHALATE
UNK635	91635	31.5	PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE
UNK637	91637	14.0	UNK
UNK639	91639	6.93	UNK
UNK640	91640	22.9	PHTHALATE
UNK642	91642	73.9	UNK
UNK643	91643	33.9	PHTHALATE
UNK650	91650	14.7	PHTHALATE
UNK651	91651	6.23	PHTHALATE
UNK655	91655	33.0	PHTHALATE
UNK671	91671	11.0	PHTHALATE

PARAMETERS	STORET #	T4CC	TENTATIVE ID
UNITS	METHOD	31	
	26133		
DATE	06/27/86		
TIME	09:06		
UNK162	91162	567	NOT FOUND
UNK515	91515	366	TOLUENE
UNK519	91519	351	TETRACHLOROETHENE
UNK523	91523	154	POSSILBY 4-HYDROXY-4-METHYL-2-PENTANONE
UNK527	91527	53.9	XYLENE
UNK528	91528	318	DMMP
UNK530	91530	46.4	XYLENE
UNK535	91535	56.7	UNK
UNK536	91536	32.2	UNK
UNK539	91539	84.2	TRICYCLO[2,2,1.02,6]-HEPTAN-3-OL
UNK540	91540	29.5	TRIMETHYL ESTER OF PHOSPHORO-THIOIC ACID
UNK541	91541	41.8	UNK
UNK544	91544	22.5	UNK
UNK548	91548	168	UNK
UNK551	91551	125	UNK
UNK552	91552	54.3	UNK
UNK553	91553	114	UNK
UNK554	91554	57.7	UNK
UNK555	91555	178	UNK
UNK558	91558	117	UNK
UNK559	91559	40.9	UNK
UNK562	91562	74.9	HEXACHLOROBUTADIENE
UNK563	91563	27.3	POSSIBLY N,N'-BIS(1-METHYL-ETHYL)-UREA
UNK565	91565	106	CAPROLACTAM
UNK568	91568	26.5	CPMS ISOMER
UNK570	91570	43.1	UNK
UNK571	91571	75.8	UNK
UNK572	91572	24.0	UNK
UNK573	91573	172	UNK
UNK575	91575	27.0	METHYLSULFOXYLBENZENE
UNK576	91576	44.6	2,3-DICHLORO-2-METHYLBENZYL ALCOHOL
UNK577	91577	74.2	UNK
UNK579	91579	434	UNK
UNK580	91580	204	UNK
UNK584	91584	54.8	UNK
UNK589	91589	38.6	UNK
UNK591	91591	37.2	HEPTACHLOROBICYCLOHEPT-2-ENE
UNK602	91602	63.2	UNK
UNK605	91605	34.5	UNK
UNK606	91606	35.3	UNK
UNK608	91608	114	UNK
UNK609	91609	26.8	UNK
UNK642	91642	96.8	UNK
UNK672	91672	257	UNK

UNK694	91694	113	UNK

PARAMETERS / UNITS	STORET # / METHOD	26133 T4CC2 27	TENTATIVE ID
DATE	09/19/86		
TIME	12:07		
UNK514	91514	173	TOLUENE
UNK518	91518	215	TETRACHLOROETHANE
UNK523	91523	59.9	4-HYDROXY-4-METHYL-2-PENTANONE
UNK526	91526	25.7	XYLENE
UNK528	91528	148	DMMP
UNK529	91529	28.0	XYLENE
UNK535	91535	23.4	POSSIBLY A BICYCLIC COMPOUND
UNK539	91539	35.9	POSSIBLY TRICYCLO[2,2,102,6]-HEPTAN-3-OL (c7h10o)
UNK540	91540	34.9	UNK
UNK547	91547	86.4	UNK
UNK551	91551	48.9	UNK
UNK552	91552	37.5	UNK
UNK553	91553	78.7	UNK
UNK554	91554	24.4	UNK
UNK555	91555	94.1	UNK
UNK557	91557	37.8	UNK
UNK558	91558	49.3	UNK
UNK562	91562	92.2	HEXACHLOROBUTADIENE
UNK563	91563	25.0	UNK
UNK565	91565	142	CAPROLACTAM
UNK569	91569	33.9	UNK
UNK570	91570	57.9	UNK
UNK571	91571	30.7	UNK
UNK573	91573	110	UNK
UNK577	91577	54.1	UNK
UNK579	91579	318	UNK
UNK580	91580	97.6	UNK
UNK582	91582	21.6	UNK
UNK584	91584	75.3	UNK
UNK587	91587	118	UNK
UNK589	91589	38.9	UNK
UNK591	91591	78.4	1,2,3,4,5,7,7-HEPTACHLORO-BICYCLO[2,2,1]HEPT-2-ENE
UNK596	91596	29.9	TETRACHLORINATED COMPOUND
UNK602	91602	27.3	UNK
UNK606	91606	88.3	UNK
UNK608	91608	76.6	UNK
UNK609	91609	30.1	POSSIBLY METHYLESTER OF DIHYDROXYBENZOIC ACID
UNK610	91610	28.7	UNK
UNK614	91614	203	MOLECULAR SULFUR (S8)
UNK621	91621	27.4	UNK
UNK642	91642	119	UNK
UNK653	91653	724	UNK
UNK670	91670	188	UNK
UNK692	91692	155	UNK

PARAMETERS UNITS	STORET # METHOD	26140 T4CC 32	TENTATIVE ID
DATE	06/24/86		
TIME	08:52		
UNK055	91055	126	THF
UNK129	91129	5.33	NO MATCH
UNK532	91532	7.04	1,1,2,2-TETRACHLOROETHANE
UNK631	91631	13.0	PHTHALATE
UNK632	91632	42.6	PHTHALATE
UNK635	91635	112	BIS(2-ETHYLHEXYL)PHTHALATE, PHTHALATE
UNK637	91637	19.8	PHTHALATE
UNK638	91638	11.5	PHTHALATE
UNK640	91640	92.6	PHTHALATE
UNK642	91642	42.5	UNK
UNK643	91643	249	PHTHALATE
UNK646	91646	17.2	PHTHALATE
UNK647	91647	8.79	PHTHALATE
UNK648	91648	12.4	PHTHALATE
UNK650	91650	72.9	PHTHALATE
UNK651	91651	29.2	PHTHALATE
UNK655	91655	149	PHTHALATE
UNK663	91663	16.2	PHTHALATE
UNK664	91664	18.1	PHTHALATE
UNK671	91671	44.5	PHTHALATE

26142

PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	28	
DATE	09/24/86		
TIME	07:48		
UNK037	91037	12.5	NO MATCH
UNK055	91055	172	THF
UNK566	91566	408	*
UNK618	91618	21.5	*
UNK622	91622	229	
UNK637	91637	6.84	
UNK638	91638	97.3	
UNK642	91642	892	
UNK672	91672	4770	
UNK694	91694	3830	

PARAMETERS / UNITS	STORET # / METHOD	27016 T4CC2 29	TENTATIVE ID
DATE		09/26/86	
TIME		08:22	
UNK582	91582	11.9	*
UNK585	91585	7.49	
UNK627	91627	7.63	*
UNK642	91642	6.89	
UNK651	91651	907	

PARAMETERS UNITS	STORET # METHOD	27040 T4CC 33	TENTATIVE ID
DATE	06/19/86		
TIME	09:15		
UNK055	91055	334	THF
UNK064	91064	75.4	NO MATCH
UNK517	91517	17.2	CYCLOPENTANONE
UNK532	91532	10.8	1,1,2,2-TETRACHLOROETHANE
UNK558	91558	7.58	SULFUR COMPOUND
UNK562	91562	14.1	UNK
UNK573	91573	6.60	UNK
UNK576	91576	18.6	UNK
UNK582	91582	17.1	UNK
UNK585	91585	38.2	UNK
UNK588	91588	10.0	POSSIBLY TETRADECANOL
UNK591	91591	10.1	2,6,10-TRIMETHYLPENTADECANE
UNK594	91594	35.2	2,6,10,14-TETRAMETHYLPENTA-DECANE, HEPTADECANE
UNK600	91600	16.1	2,6,10,14-TETRAMETHYLHEXADECANE
UNK605	91605	16.4	NONADECANE
UNK627	91627	22.4	UNK
UNK642	91642	7.62	UNK

	27053		
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	30	
DATE	09/19/86		
TIME	08:52		
UNK565	91565	362	CAPROLACTAM
UNK642	91642	585	UNK
UNK671	91671	2050	UNK
UNK693	91693	1390	UNK

PARAMETERS	STORET #	27062 T4CC	TENTATIVE ID
UNITS	METHOD	34	
DATE	06/12/86		
TIME	10:52		
UNK517	91517	71.4	DEHYDROPYRAN
UNK532	91532	67.1	1,1,2,2-TETRACHLOROETHANE
UNK585	91585	156	UNK
UNK591	91591	85.0	2,6,10-TRIMETHYLPENTADECANE
UNK594	91594	219	2,6,10,14-TETRAMETHYLPENTA-DECANE
UNK600	91600	187	2,6,10,14-TETRAMETHYLHEXA-DECANE
UNK604	91604	81.2	C19 ALKANE OR ALKENE
UNK614	91614	52.8	C21 ALKENE
UNK627	91627	114	POSSIBLY CHLORINATED COMPOUND (5 cl)
UNK650	91650	358	UNK
UNK664	91664	81.9	UNK

PARAMETERS UNITS	STORET # METHOD	28025 T4CC 35	TENTATIVE ID
DATE	06/19/86		
TIME	14:35		
UNK037	91037	4.80	NO MATCH
UNK056	91056	18.0	THF
UNK517	91517	5.38	CYCLOPENTANONE
UNK586	91586	6.48	DODECANOIC ACID
UNK598	91598	11.2	TETRADECANOIC ACID
UNK608	91608	15.5	HEXADECANOIC ACID
UNK617	91617	98.6	OCTADECANOIC ACID
UNK627	91627	50.1	OCTADECENAMIDE
UNK628	91628	19.8	OCTADECANAMIDE
UNK642	91642	251	UNK
UNK644	91644	13.0	UNK
UNK645	91645	36.8	UNK
UNK656	91656	6.78	UNK
UNK657	91657	67.9	UNK
UNK675	91675	105	UNK

PARAMETERS	STORET #	33026 T4WC2	TENTATIVE ID
UNITS	METHOD	2	
DATE	08/28/86		
TIME	13:53		
UNK534	91534	8.63	2-CYCLOHEXEN-1-ONE
UNK582	91582	7.09	ALIPHATIC HYDROCARBON
UNK591	91591	7.49	ALIPHATIC HYDROCARBON
UNK594	91594	30.8	N-HEPTADECANE
UNK595	91595	13.0	ALIPHATIC HYDROCARBON
UNK600	91600	28.3	N-OCTADECANE
UNK601	91601	9.67	2,6,10,14-TETRAMETHYLHEXADECANE
UNK605	91605	21.5	N-NONADECANE
UNK611	91611	10.9	N-EICOSANE
UNK636	91636	25.4	BIS(2-ETHYLHEXYL)PHTHALATE

		33030	
PARAMETERS	STORET #	T4WC2	TENTATIVE ID
UNITS	METHOD	3	
DATE	09/04/86		
TIME	09:40		
UNK632	91632	9.17	UNK
UNK633	91633	8.62	UNK
UNK653	91653	419	UNK

PARAMETERS	STORET #	35012 T4CC	TENTATIVE ID
UNITS	METHOD	36	
DATE	06/11/86		
TIME	16:18		
UNK080	91080	27.4	THIOPHENE
UNK129	91129	133	1,4-DITHIANE
UNK524	91524	40.1	CHLOROBENZENE
UNK540	91540	31.1	1,3-DITHIOLANE
UNK541	91541	8.65	UNK
UNK558	91558	9.03	SULFUR COMPOUND
UNK563	91563	63.8	UNK
UNK573	91573	50.1	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK575	91575	17.7	N-TETRADECANE
UNK578	91578	20.9	UNK
UNK579	91579	13.5	C15 ALKANE
UNK582	91582	90.0	N-PENTADECANE
UNK585	91585	9.88	C16 ALKANE
UNK586	91586	17.5	C16 ALKENE
UNK587	91587	19.6	C16 ALKENE OR ALKYNE
UNK588	91588	265	N-HEXADECANE
UNK591	91591	89.0	2,6,10-TRIMETHYLPENTADECANE
UNK592	91592	14.2	C17 ALKENE
UNK594	91594	437	N-HEPTADECANE
UNK596	91596	33.1	C18 ALKANE
UNK597	91597	25.1	C18 ALKENE
UNK598	91598	9.35	C18 ALKENE
UNK600	91600	452	N-OCTADECANE, 2,6,10,14-TETRA-METHYLHEXADECANE
UNK602	91602	15.0	C19 ALKENE
UNK603	91603	40.3	C19 ALKENE
UNK605	91605	193	N-NONADECANE
UNK608	91608	8.87	C20 ALKENE
UNK610	91610	115	N-EICOSANE
UNK614	91614	8.26	C21 ALKENE
UNK615	91615	25.9	N-HENEICOSANE
UNK617	91617	12.1	C22 ALKENE
UNK620	91620	11.5	N-DOCOSANE, C22 ALKENE
UNK642	91642	90.7	UNK
UNK649	91649	240	UNK

PARAMETERS	STORET #	35013 T4CC	TENTATIVE ID
UNITS	METHOD	37	
DATE	06/12/86		
TIME	14:21		
UNK037	91037	2.90	NO MATCH
UNK048	91048	10.8	1,2-DICHLOROETHANE
UNK055	91055	2.80	TETRAHYDROFURAN
UNK575	91575	5.48	N-TETRADECANE
UNK579	91579	6.32	C15 ALKANE
UNK582	91582	20.3	N-PENTADECANE
UNK583	91583	8.59	BIPHENYL-OL
UNK585	91585	7.08	C16 ALKENE
UNK586	91586	5.92	C16 ALKENE
UNK587	91587	7.24	C16 ALKENE
UNK588	91588	24.0	N-HEXADECANE
UNK591	91591	46.1	C17 ALKANE,2,6,10-TRIMETHYL-PENTADECANE
UNK594	91594	120	N-HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK596	91596	19.0	C18 ALKANE
UNK597	91597	15.5	C17 OR C18 ALKENE
UNK599	91599	95.0	N-OCTADECANE
UNK600	91600	46.4	2,6,10,14-TETRAMETHYLHEXA-DECANE
UNK601	91601	5.80	C19 ALKENE
UNK602	91602	16.4	C19 ALKENE
UNK603	91603	17.2	C18 , C19 ALKENE
UNK604	91604	16.2	C17 ALKENE
UNK605	91605	60.8	N-NONADECANE
UNK610	91610	34.1	N-EICOSANE
UNK614	91614	16.8	C20 OR C21 ALKENE
UNK615	91615	10.4	N-HENEICOSANE
UNK616	91616	8.05	C21 ALKENE
UNK617	91617	7.98	C21 ALKENE
UNK621	91621	9.39	C22 OR C23 ALKENE OR ALKANE
UNK642	91642	8.29	UNK
UNK649	91649	134	UNK
UNK670	91670	368	UNK

		35037	
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	32	
DATE	09/05/86		
TIME	12:30		
UNK515	91515	15.7	1,1,2-TRICHLOROETHANE
UNK531	91531	22.8	1,1,2,2-TETRACHLOROETHANE
UNK564	91564	302	CAPROLACTAM
UNK638	91638	6.71	UNK
UNK642	91642	298	UNK
UNK653	91653	431	UNK
UNK671	91671	1480	UNK
UNK693	91693	928	UNK

35038

PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	33	
DATE	09/05/86		
TIME	13:31		
UNK057	91057	116	THF
UNK589	91589	601	HEXADECANE
UNK652	91652	65.7	UNK

PARAMETERS UNITS	STORET # METHOD	35052 T4CC 38	TENTATIVE ID
DATE	06/25/86		
TIME	12:01		
UNK036	91036	5.20	NO MATCH
UNK064	91064	22.4	FREON
UNK123	91123	7.20	NO MATCH
UNK532	91532	10.4	1,1,2,2-TETRACHLOROETHANE
UNK557	91557	7.88	UNK
UNK560	91560	6.93	UNK
UNK562	91562	6.35	UNK
UNK565	91565	7.28	UNK
UNK567	91567	13.1	UNK
UNK570	91570	44.4	POSSIBLY ALPHA-METHYLBENZYL-AMINE
UNK571	91571	6.76	UNK
UNK575	91575	9.48	POSSIBLY N,N-DIMETHYLBENZYL-AMINE
UNK576	91576	6.76	UNK
UNK583	91583	7.39	UNK
UNK585	91585	6.51	UNK
UNK592	91592	6.66	UNK
UNK593	91593	13.1	UNK
UNK608	91608	6.02	HEXADECANOIC ACID
UNK617	91617	13.1	OCTADECENOIC ACID
UNK628	91628	12.1	OCTADECANAMIDE
UNK635	91635	6.05	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	60.3	UNK
UNK645	91645	7.32	UNK
UNK660	91660	90.2	UNK
UNK674	91674	29.9	UNK

PARAMETERS	STORET #	T4CC2	TENTATIVE ID
	35058		
UNITS	METHOD	34	
DATE	09/08/86		
TIME	10:18		
UNK564	91564	44.7	CAPROLACTAM
UNK642	91642	64.2	UNK
UNK671	91671	122	UNK
UNK693	91693	51.3	UNK

PARAMETERS	STORET #	35065 T4CC	TENTATIVE ID
UNITS	METHOD	39	
DATE	06/30/86		
TIME	09:48		
UNK519	91519	14.3	TETRACHLOROETHANE
UNK524	91524	8.46	CHLOROBENZENE
UNK525	91525	9.62	HEPTANONE
UNK541	91541	19.2	UNK
UNK553	91553	7.95	POSSIBLY 2,4-IMIDAZOLIDINE-DIONE
UNK555	91555	12.0	UNK
UNK558	91558	26.8	1,3-DITHIOLANE-2-THIONE
UNK560	91560	6.63	UNK
UNK564	91564	1200	CAPROLACTAM
UNK566	91566	20.6	UNK
UNK568	91568	21.9	UNK
UNK570	91570	10.5	UNK
UNK572	91572	15.3	N,N-DIBUTYLACETAMIDE
UNK573	91573	89.8	UNK
UNK574	91574	19.5	UNK
UNK575	91575	17.2	METHYLSULFOXYLBENZENE
UNK578	91578	89.1	SULFUR COMPOUND
UNK579	91579	63.1	ISOPROPYLBENZYALDEHYDE
UNK580	91580	43.6	UNK
UNK581	91581	7.59	UNK
UNK582	91582	68.5	UNK
UNK583	91583	9.73	UNK
UNK585	91585	207	UNK
UNK586	91586	36.7	UNK
UNK589	91589	99.8	PROPANOIC ACID, 2-METHYL-1-BUTYL-2-ONE
UNK594	91594	8.90	UNK
UNK595	91595	8.05	UNK
UNK596	91596	8.03	UNK
UNK597	91597	7.84	UNK
UNK603	91603	6.38	UNK
UNK620	91620	7.25	BUTYLHEXADECANOATE
UNK627	91627	6.67	UNK
UNK628	91628	7.67	BUTYL OCTADECANOATE
UNK635	91635	23.1	BIS(2-ETHYLHEXYL)PHTHALATE
UNK642	91642	30.0	UNK
UNK672	91672	103	UNK
UNK694	91694	54.3	UNK

		35065	
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	36	
DATE		09/08/86	
TIME		11:17	
UNK055	91055	*OK21.8	THF
UNK541	91541	6.70	UNK
UNK564	91564	400	UNK
UNK565	91565	89.0	CAPROLACTAM
UNK573	91573	34.7	UNK
UNK578	91578	45.2	UNK
UNK580	91580	18.8	UNK
UNK581	91581	7.46	UNK
UNK582	91582	27.8	UNK
UNK585	91585	60.5	UNK
UNK642	91642	104	UNK
UNK672	91672	712	UNK
UNK693	91693	482	UNK

PARAMETERS / UNITS	STORET # / METHOD	36001 T4CC 40	TENTATIVE ID
DATE	06/23/86		
TIME	14:09		
UNK122	91122	1680	3 METHYLHEXANE
UNK161	91161	547	METHYLETHYL BENZENE
UNK193	91193	55400	DICHLOROBENZENE
UNK513	91513	2740	HEXANONE
UNK514	91514	44.8	HEXANOL
UNK515	91515	348	TOLUENE
UNK519	91519	90.2	TETRACHLOROETHANE
UNK525	91525	7900	CHLOROBENZENE
UNK527	91527	488	XYLENE
UNK528	91528	1060	XYLENE
UNK529	91529	35.9	2,2,2-TRICHLOROETHANOL
UNK530	91530	802	XYLENE
UNK534	91534	108	ISOPROPYLBENZENE
UNK535	91535	35.5	1,1-BIS(METHYLTHIO)ETHANE
UNK537	91537	26.9	PROPYLBENZENE
UNK538	91538	41.6	ETHYL,METHYL BENZENE
UNK539	91539	26.2	TRIMETHYLBENZENE, POSSIBLY DIMETHYLHEPTANONE
UNK540	91540	25.3	POSSIBLY METHYLTHIO-1-BUTANONE
UNK544	91544	3030	DICHLOROBENZENE
UNK547	91547	2620	DICHLOROBENZENE
UNK549	91549	142	AACETOPHENONE, UNK
UNK554	91554	20.5	UNK
UNK555	91555	18.5	UNK
UNK559	91559	249	TRICHLOROBENZENE, NAPTHALENE
UNK562	91562	85.3	TRICHLOROBENZENE, HEXACHLORO-BUTADIENE
UNK563	91563	12.2	UNK
UNK565	91565	37.1	CAPROLACTAM
UNK570	91570	12.6	UNK
UNK572	91572	13.5	UNK
UNK573	91573	105	UNK
UNK574	91574	19.3	TETRACHLOROBENZENE
UNK576	91576	17.4	DIPHENYL ETHER
UNK580	91580	14.1	UNK
UNK581	91581	114	HEXACHLOROBICYCLO[2,2,1] HEPTA-2-ONE
UNK588	91588	31.9	HEXADECANE
UNK589	91589	173	UNK
UNK591	91591	51.1	HEPTACHLORO-BICYCLO[2,2,1] HEPTANE
UNK594	91594	50.6	HEPTADECANE, 2,6,10,14-TETRA-METHYLPENTADECANE
UNK600	91600	19.1	2,6,10,14-TETRAMETHYLHEXA-DECANE
UNK605	91605	30.8	NONADECANE
UNK610	91610	19.3	EICOSANE
UNK627	91627	13.0	HEXACHLORO COMPOUND

UNK632	91632	26.3	CHLORINATED COMPOUND
UNK635	91635	13.5	BIS(2-ETHYLHEXYL)PHTHALATE

		36065	
PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	37	
DATE	09/26/86		
TIME	11:41		
UNK055	91055	*OK39.7	UNK
UNK089	91089	*BK0	
UNK129	91129	*BK0	
UNK174	91174	*BK0	

PARAMETERS	STORET #	36076 T4CC	TENTATIVE ID
UNITS	METHOD	41	
DATE	06/25/86		
TIME	14:24		
UNK193	91193	153000	DICHLOROBENZENE
UNK513	91513	20.3	4-METHYL-2-PENTANONE
UNK525	91525	6320	CHLOROBENZENE
UNK530	91530	11.3	UNK
UNK540	91540	8.77	BICYCLO[2,2,1]HEPT-2-EN-7-OL
UNK544	91544	6490	DICHLROBENZENE
UNK547	91547	5840	1,2-DICHLOROBENZENE
UNK548	91548	9.10	UNK
UNK549	91549	22.2	ACETOPHENONE
UNK550	91550	14.3	N-NITROSODIPROPYLAMINE
UNK553	91553	11.1	UNK
UNK558	91558	12.6	N-HEXYLACETAMIDE
UNK559	91559	145	TRICHLOROBENZENE, TRICHLORO-CYCLOPENTANE
UNK560	91560	11.9	M-MENTHA-4,8-DIENE
UNK562	91562	35.0	TRICHLOROBENZENE
UNK566	91566	675	CAPROLACTAM
UNK569	91569	25.9	UNK
UNK570	91570	8.29	UNK
UNK573	91573	21.1	3,5-DIMETHYL-1,2,4-TRITHIOLANE
UNK575	91575	8.63	METHYLSULFOXYL BENZENE
UNK576	91576	8.71	DIPHENYL ETHER
UNK578	91578	8.76	UNK
UNK581	91581	11.4	UNK
UNK582	91582	9.51	1-(4-HYDROXY-3-METHOXYPHENYL)-ETHANONE
UNK586	91586	16.2	TETRACHLOROPHENOL
UNK598	91598	65.1	PENTACHLOROPHENOL
UNK 07	91607	12.1	A CHLORO-METHYLSULFOXYLAMIDE
UNK608	91608	14.8	HEXADECANOIC ACID
UNK610	91610	10.5	TRICHLORO COMPOUND
UNK617	91617	9.52	OCTADECANOIC ACID
UNK619	91619	34.6	PENTACHLORO COMPOUND
UNK624	91624	288	UNK
UNK627	91627	151	AN AMIDE
UNK642	91642	80.8	UNK
UNK657	91657	12.3	UNK
UNK666	91666	8.84	UNK
UNK668	91668	10.2	UNK
UNK674	91674	943	UNK

PARAMETERS UNITS	STORET # METHOD	36082 T4CC 42	TENTATIVE ID
DATE	06/27/86		
TIME	10:02		
UNK530	91530	5.95	XYLENE
UNK539	91539	11.8	1,3-DITHIOLANE
UNK542	91542	16.7	UNK
UNK552	91552	5.91	UNK
UNK555	91555	15.9	UNK
UNK557	91557	11.9	1,3-DITHIOLANE-2-THIONE
UNK563	91563	1010	UNK
UNK570	91570	11.9	UNK
UNK572	91572	11.3	UNK
UNK573	91573	99.5	UNK
UNK574	91574	69.8	UNK
UNK578	91578	84.2	UNK
UNK580	91580	8.47	UNK
UNK581	91581	15.0	UNK
UNK582	91582	37.8	UNK
UNK596	91596	7.86	POSSIBLY AZIDOBENZENE OR HYDROXY BENZENE
UNK597	91597	8.32	UNK
UNK603	91603	6.06	UNK
UNK606	91606	6.95	UNK
UNK608	91608	7.09	HEXADECANOIC ACID
UNK609	91609	26.5	UNK
UNK620	91620	5.80	BUTYL OCTADECANOATE
UNK628	91628	7.85	DODECANAMIDE
UNK642	91642	8.20	UNK

PARAMETERS	STORET #	T4CC2	TENTATIVE ID
UNITS	METHOD	39	
DATE	09/26/86		
TIME	10:45		
UNK055	91055	*BK0	
UNK089	91089	*BK0	
UNK129	91129	*BK0	
UNK174	91174	*OK7.70	XYLENE
UNK539	91539	7.61	*
UNK541	91541	13.2	
UNK554	91554	10.7	
UNK557	91557	9.03	
UNK565	91565	768	
UNK566	91566	5.79	
UNK570	91570	5.74	
UNK573	91573	102	
UNK574	91574	31.1	
UNK578	91578	155	
UNK580	91580	7.91	
UNK581	91581	18.5	
UNK582	91582	41.3	
UNK585	91585	36.7	
UNK597	91597	18.8	
UNK603	91603	7.52	*
UNK604	91604	6.75	
UNK607	91607	12.1	
UNK609	91609	32.6	

PARAMETERS / UNITS	STORET # / METHOD	36112 T4CC 43	TENTATIVE ID
DATE	06/30/86		
TIME	08:52		
UNK049	91049	4.30	NO MATCH
UNK080	91080	58.5	THIOPHENE
UNK129	91129	240	NO MATCH
UNK532	91532	6.42	1,1,2,2-TETRACHLOROETHANE
UNK539	91539	13.2	1,3-DIOTHIOLANE
UNK540	91540	35.8	UNK
UNK547	91547	13.4	UNK
UNK550	91550	7.87	1,3,6-DIOXATHIOLANE
UNK552	91552	17.4	UNK
UNK554	91554	6.81	UNK
UNK557	91557	16.2	1,3-DITHIOLANE-2-THIONE
UNK563	91563	170	UNK
UNK564	91564	13.6	CAPROLACTAM
UNK573	91573	70.8	3,5-DIMETHYL-1,2,4-TRITHIONE
UNK577	91577	27.3	UNK
UNK580	91580	6.17	UNK
UNK582	91582	23.0	UNK
UNK586	91586	49.2	DODECANOIC ACID
UNK588	91588	22.6	N-HEXADECANE
UNK591	91591	10.1	ALKANE
UNK594	91594	37.8	N-HEPTADECANE
UNK595	91595	13.7	2,6,10,14-TETRAMETHYLPENTA-DECANE
UNK597	91597	6.97	ALIPHATIC HYDROCARBON
UNK598	91598	18.6	TETRADECANOIC ACID, ALKENE OR ALCOHOL
UNK600	91600	34.3	N-OCTADECANE
UNK601	91601	13.9	2,6,10,14-TETRAMETHYLHEXADECANE
UNK605	91605	28.9	N-NONADECANE
UNK608	91608	11.2	HEXADECANOIC ACID
UNK611	91611	17.6	N-EICOSANE
UNK614	91614	21.9	MOLECULAR SULFUR (S8)
UNK615	91615	7.28	N-HENEICOSANE
UNK617	91617	54.5	ALCOHOL, OCTADECANOIC ACID
UNK620	91620	10.2	ACID OR ALCOHOL
UNK628	91628	10.3	POSSIBLY OCTADECANETHOIL
UNK632	91632	11.0	DIHEPTYLPHTHALATE
UNK635	91635	30.1	PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE
UNK640	91640	15.2	PHTHALATE
UNK642	91642	13.9	UNK
UNK649	91649	11.9	PHTHALATE
UNK654	91654	28.1	PHTHALATE
UNK669	91669	8.85	PHTHALATE

TASK 44 GC/MS NONTARGET DATA 3RD QUARTER FY1987

PARAMETERS		STORET #	01008 T44GMS3	TENTATIVE ID
	UNITS	METHOD	1	
DATE		05/05/87		
TIME		10:13		
UNK565		91565	350	CAPROLACTAM
	UG/L	0		
UNK588		91588	9	2-METHYL, 1-(1,1-DIMETHYLETHYL)-
	UG/L	0		2-METHYL-1,3-PROPANEDIYL PROPIONATE

PARAMETERS		02008 STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	2	
DATE		05/05/87		
TIME		13:19		
UNK588		91588	7	2-METHYL, 1-(1,1-DIMETHYLETHYL)-
	UG/L	0		2-METHYL-1,3-PROPANEDIYL PROPIONATE

PARAMETERS		04009 STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	3	
DATE		05/06/87		
TIME		07:36		
UNK525		91525	15.5	ETHYLBENZENE
	UG/L	0		
UNK526		91526	76.4	XYLENE
	UG/L	0		
UNK529		91529	35.6	XYLENE (ISOMER OF UNK 526)
	UG/L	0		
UNK536		91536	27.1	PROPYLBENZENE
	UG/L	0		
UNK537		91537	100	ETHYL, METHYL BENZENE
	UG/L	0		
UNK538		91538	48.1	TRIMETHYL BENZENE
	UG/L	0		
UNK539		91539	28.3	ETHYL, METHYL BENZENE
	UG/L	0		
UNK541		91541	136	TRIMETHYL BENZENE
	UG/L	0		
UNK544		91544	39.7	TRIMETHYL BENZENE
	UG/L	0		
UNK545		91545	172	ETHYLHEXANOL
	UG/L	0		
UNK546		91546	14.0	DIETHYLBENZENE
	UG/L	0		
UNK547		91547	98.6	METHYLPROPYL BENZENE, ETHYL DIMETHYL BENZENE
	UG/L	0		
UNK548		91548	14.4	METHYL PROPYL BENZENE
	UG/L	0		
UNK549		91549	49.0	ETHYL DIMETHYL BENZENE
	UG/L	0		
UNK550		91550	51.0	ETHYL DIMETHYL BENZENE
	UG/L	0		
UNK552		91552	10	METHYL ISOPROPYL BENZENE
	UG/L	0		

PARAMETERS		04009 STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	3	
DATE		05/06/87		
TIME		07:36		
UNK553		91553	58.6	TETRAMETHYL BENZENE
	UG/L	0		
UNK555		91555	40.2	DIHYDROMETHYL-1H-INDENE,
	UG/L	0		DIETHYL METHYL BENZENE
				c11h16 (AROMATIC HYDROCARBON)
UNK556		91556	39.3	DIHYDROMETHYL-1H-INDENE,
	UG/L	0		METHYL, ISOPROPYL BENZENE
UNK557		91557	9.57	c11h16 (AROMATIC HYDROCARBON)
	UG/L	0		
UNK558		91558	10	DIMETHYL PROPYL BENZENE
	UG/L	0		
UNK559		91559	35.2	NAPTHALENE,
	UG/L	0		DIHYDRO, DIMETHYL-1H-INDENE
UNK567		91567	2140	CAPROLACTAM
	UG/L	0		
UNK568		91568	33.8	METHYL NAPTHALENE
	UG/L	0		
UNK569		91569	15.7	METHYL NAPTHALENE
	UG/L	0		
UNK571		91571	9	UNKNOWN
	UG/L	0		
UNK576		91576	9.97	DIMETHYL NAPTHALENE
	UG/L	0		
UNK577		91577	8.65	DIMETHYL NAPTHALENE
	UG/L	0		

PARAMETERS		04009 STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	3	
DATE		05/06/87		
TIME		07:36		
UNK589		91589	23.7	UNKNOWN
	UG/L	0		
UNK595		91595	21.2	POSSIBLY DODECYCLOXYETHANOL
	UG/L	0		
UNK611		91611	41.8	UNKNOWN
	UG/L	0		
UNK612		91612	8.78	UNKNOWN
	UG/L	0		
UNK618		91618	9.12	UNKNOWN
	UG/L	0		
UNK622		91622	87.9	UNKNOWN
	UG/L	0		
UNK624		91624	50.3	UNKNOWN
	UG/L	0		
UNK625		91625	12.4	UNKNOWN
	UG/L	0		
UNK632		91632	10.3	UNKNOWN
	UG/L	0		
UNK636		91636	44.5	UNKNOWN
	UG/L	0		
UNK643		91643	765	UNKNOWN
	UG/L	0		
UNK648		91648	9.99	UNKNOWN
	UG/L	0		
UNK695		91695	8.61	UNKNOWN
	UG/L	0		

PARAMETERS	STORET #	T44GMS3	TENTATIVE ID
UNITS	METHOD	4	
	09002		
DATE	05/05/87		
TIME	14:16		
UNK566	91566	935	CAPROLACTAM
UG/L	0		

PARAMETERS	UNITS	STORET # METHOD	T44GMS3 5	TENTATIVE ID
		22051		
DATE		05/13/87		
TIME		07:52		
UNK582		91582	10.7	UNKNOWN
	UG/L	0		
UNK636		91636	19.9	BIS (2-ETHYL HEXYL) PHTHALATE
	UG/L	0		

PARAMETERS	UNITS	STORET # METHOD	23004 T44GMS3 6	TENTATIVE ID
DATE		05/13/87		
TIME		10:08		
UNK518		91518	11.2	TETRACHLOROETHENE
	UG/L	0		
UNK552		91552	20	UNKNOWN
	UG/L	0		
UNK553		91553	18.1	UNKNOWN
	UG/L	0		
UNK556		91556	10.7	UNKNOWN
	UG/L	0		
UNK557		91557	11.9	UNKNOWN
	UG/L	0		
UNK558		91558	20	UNKNOWN
	UG/L	0		
UNK561		91561	33.5	POSSIBLY BIS(ISOPROPYL)UREA
	UG/L	0		c7h16n2o
UNK566		91566	46.1	UNKNOWN
	UG/L	0		
UNK568		91568	15.2	POSSIBLY OXATRICYCLOOCTANONE
	UG/L	0		
UNK569		91569	57.1	UNKNOWN
	UG/L	0		
UNK571		91571	30	UNKNOWN
	UG/L	0		
UNK573		91573	36.1	UNKNOWN
	UG/L	0		
UNK577		91577	57.8	UNKNOWN
	UG/L	0		
UNK582		91582	32.2	UNKNOWN
	UG/L	0		
UNK587		91587	375	UNKNOWN
	UG/L	0		
UNK588		91588	30	UNKNOWN
	UG/L	0		
UNK589		91589	15.6	UNKNOWN
	UG/L	0		
UNK595		91595	26.9	UNKNOWN
	UG/L	0		
UNK625		91625	22.0	HEXACHLORINATED CMPD, M.WT.364
	UG/L	0		

PARAMETERS		23004 STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	6	
DATE		05/13/87		
TIME		10:08		
UNK535		91535	11.8	UNKNOWN
	UG/L	0		
UNK540		91540	31.2	UNKNOWN
	UG/L	0		
UNK551		91551	14.3	UNKNOWN
	UG/L	0		
UNK554		91554	45.8	UNKNOWN
	UG/L	0		
UNK562		91562	85.3	UNKNOWN
	UG/L	0		
UNK570		91570	75.0	UNKNOWN
	UG/L	0		
UNK574		91574	29.5	TETRACHLOROBENZENE, UNKNOWN
	UG/L	0		
UNK575		91575	17.6	METHYL SULFOXYL BENZENE
	UG/L	0		
UNK578		91578	114	UNKNOWN
	UG/L	0		
UNK579		91579	274	UNKNOWN
	UG/L	0		
UNK581		91581	20.8	UNKNOWN
	UG/L	0		
UNK583		91583	83.8	UNKNOWN
	UG/L	0		
UNK584		91584	73.6	UNKNOWN
	UG/L	0		
UNK586		91586	32.7	UNKNOWN
	UG/L	0		
UNK590		91590	13.5	PENTACHLORINATED CMPD. M.WT.236
	UG/L	0		

PARAMETERS		STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	6	
DATE		05/13/87		
TIME		10:08		
UNK591		91591	16.7	HEPTACHLOROBICYCLOHEPTENE
	UG/L	0		c7h13cl7
UNK593		91593	13.3	UNKNOWN
	UG/L	0		
UNK594		91594	13.1	UNKNOWN
	UG/L	0		
UNK602		91602	80	UNKNOWN
	UG/L	0		
UNK623		91623	21.9	PENTACHLORINATED CMPD,M.WT.344
	UG/L	0		
UNK633		91633	20.7	CHLORINATED CMPD, M.WT.>325
	UG/L	0		

23004

PARAMETERS		STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	7	
DATE		05/13/87		
TIME		11:44		
UNK582		91582	7.31	MONOCHLORINATED CMPD, M.WT.182
	UG/L	0		

23029

PARAMETERS		STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	10	
DATE		05/18/87		
TIME		08:42		
UNK564		91564	13.6	CAPROLACTAM
	UG/L	0		

24092

		24106		
PARAMETERS		STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	11	
DATE		05/18/87		
TIME		13:35		
UNK588		91588	10	UNKNOWN
	UG/L	0		

ENVIRONMENTAL SCIENCE & ENGINEERING 01/06/88 STATUS:

PROJECT NUMBER 87436 0000 PROJECT NAME RMA TASK44
FIELD GROUP T44GMS3 PROJECT MANAGER
T44G3 LAB COORDINATOR HUGH PRENTICE

PARAMETERS	UNITS	STORET #	24111 T44GMS3 12 METHOD	TENTATIVE ID
DATE		05/14/87		
TIME		13:55		
UNK588		91588	9	UNKNOWN
	UG/L	0		
UNK636		91636	68.3	BIS(2-ETHYLHEXYL)PHTHALATE
	UG/L	0		

		24113		
PARAMETERS		STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	13	
DATE		05/18/87		
TIME		10:46		
UNK566		91566	528	CAPROLACTAM
	UG/L	0		
UNK588		91588	6	UNKNOWN
	UG/L	0		

24127

PARAMETERS UNITS	STORET # METHOD	T44GMS3 15	TENTATIVE ID
DATE	05/12/87		
TIME	14:43		
UNK518	91518	27.0	TETRACHLOROETHENE
UG/L	0		
UNK565	91565	188	CAPROLACTAM
UG/L	0		
UNK569	91569	8.55	UNKNOWN
UG/L	0		
UNK582	91582	10.1	UNKNOWN
UG/L	0		
UNK587	91587	6.84	UNKNOWN
UG/L	0		
UNK589	91589	21.5	UNKNOWN
UG/L	0		
UNK636	91636	16.1	BIS(2-ETHYL HEXYL)PHTHALATE
UG/L	0		
UNK562	91562	6.45	UNKNOWN
UG/L	0		
UNK579	91579	111	UNKNOWN
UG/L	0		
UNK583	91583	14.3	UNKNOWN
UG/L	0		
UNK584	91584	16.3	UNKNOWN
UG/L	0		
UNK585	91585	10	UNKNOWN
UG/L	0		
UNK586	91586	54.7	UNKNOWN
UG/L	0		
UNK593	91593	8.88	UNKNOWN
UG/L	0		

PARAMETERS		27049 STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	17	
DATE		05/12/87		
TIME		15:12		
UNK516		91516	10.0	UNKNOWN
	UG/L	0		

PARAMETERS		STORET #	27055 T44GMS3	TENTATIVE ID
	UNITS	METHOD	19	
DATE		05/08/87		
TIME		09:15		
UNK569		91569	8810	CAPROLACTAM
	UG/L	0		
UNK612		91612	21.3	UNKNOWN
	UG/L	0		
UNK618		91618	23.2	UNKNOWN
	UG/L	0		
UNK622		91622	161	UNKNOWN
	UG/L	0		
UNK624		91624	10.5	UNKNOWN
	UG/L	0		
UNK625		91625	22.8	UNKNOWN
	UG/L	0		
UNK643		91643	994	UNKNOWN
	UG/L	0		
UNK580		91580	20	CHLORINATED HYDROCARBON
	UG/L	0		
UNK583		91583	7.77	2,6-L-BUTYL-4-METHYL PHENOL
	UG/L	0		
UNK633		91633	20.2	UNKNOWN
	UG/L	0		
UNK637		91637	15.4	UNKNOWN
	UG/L	0		
UNK649		91649	8.91	UNKNOWN
	UG/L	0		

33063

PARAMETERS	STORET #	T44GMS3	TENTATIVE ID
UNITS	METHOD	22	
DATE	05/06/87		
TIME	14:24		
UNK567	91567	2240	CAPROLACTAM
UG/L	0		
UNK642	91642	23.4	UNKNOWN
UG/L	0		

PARAMETERS		35016 STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	23	
DATE		05/06/87		
TIME		15:16		
UNK523		91523	13.4	CHLOROBENZENE
	UG/L	0		
UNK539		91539	29.4	1,3-DITHIOLANE, UNKNOWN
	UG/L	0		
UNK557		91557	8.45	POSS. 1,3-DITHIOLANE-2-THIONE
	UG/L	0		
UNK563		91563	52.0	UNKNOWN
	UG/L	0		
UNK565		91565	436	CAPROLACTAM
	UG/L	0		
UNK573		91573	22.9	A SULFUR-CONTAINING CMPD,M.WT.152
	UG/L	0		
UNK577		91577	8.06	A SULFUR-CONTAINING CMPD
	UG/L	0		
UNK582		91582	15.1	A SULFUR-CONTAINING CMPD
	UG/L	0		
UNK587		91587	7.83	UNK
	UG/L	0		
UNK614		91614	21.8	MOLECULAR SULFUR (S8)
	UG/L	0		
UNK642		91642	17.2	UNK
	UG/L	0		

35066

PARAMETERS	STORET #	T44GMS3	TENTATIVE ID
UNITS	METHOD	25	
DATE	05/12/87		
TIME	07:47		
UNK563	91563	141	UNKNOWN
UG/L	0		
UNK577	91577	17.3	UNKNOWN
UG/L	0		
UNK582	91582	15.9	MONOCHLORINATED CMPD, M.WT.182
UG/L	0		
UNK572	91572	22.3	MONOCHLORINATED CMPD, M.WT.170
UG/L	0		

PARAMETERS		36084 STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	26	
DATE		05/12/87		
TIME		10:20		
UNK557		91557	11.8	UNKNOWN
	UG/L	0		
UNK559		91559	5.51	TRICHLOROCYCLOPENTENE
	UG/L	0		
UNK561		91561	10.7	UNKNOWN
	UG/L	0		
UNK563		91563	265	UNKNOWN
	UG/L	0		
UNK565		91565	186	CAPROLACTAM
	UG/L	0		
UNK566		91566	18.7	UNKNOWN
	UG/L	0		
UNK568		91568	14.8	UNKNOWN
	UG/L	0		
UNK569		91569	7.14	UNKNOWN
	UG/L	0		
UNK571		91571	6	UNKNOWN
	UG/L	0		
UNK573		91573	95.5	UNKNOWN
	UG/L	0		
UNK577		91577	49.2	UNKNOWN
	UG/L	0		
UNK582		91582	57.2	MONOCHLORINATED CMPD, M.WT.182
	UG/L	0		

PARAMETERS		STORET #	36084 T44GMS3	TENTATIVE ID
	UNITS	METHOD	26	
DATE		05/12/87		
TIME		10:20		
UNK589		91589	12.0	UNKNOWN
	UG/L	0		
UNK695		91695	8.30	UNKNOWN
	UG/L	0		
UNK554		91554	30.7	UNKNOWN
	UG/L	0		
UNK560		91560	7.72	UNKNOWN
	UG/L	0		
UNK574		91574	23.9	SULFUR CONTAINING CMPD, M.WT.136
	UG/L	0		
UNK578		91578	57.6	UNKNOWN
	UG/L	0		
UNK579		91579	14.8	UNKNOWN
	UG/L	0		
UNK580		91580	6	UNKNOWN
	UG/L	0		
UNK581		91581	10.3	UNKNOWN
	UG/L	0		
UNK585		91585	60	UNKNOWN
	UG/L	0		
UNK586		91586	29.7	UNKNOWN
	UG/L	0		
UNK594		91594	15.7	UNKNOWN
	UG/L	0		
UNK596		91596	6.13	UNKNOWN
	UG/L	0		
UNK598		91598	56.9	5-ETHYL-5-SEC.AMYL-2,4,6
	UG/L	0		(1H,3H,5H)-PYRIMIDINETRIONE
UNK603		91603	33.2	CHLORINATED COMPOUND
	UG/L	0		
UNK604		91604	15.4	UNKNOWN
	UG/L	0		
UNK672		91672	19.4	UNKNOWN
	UG/L	0		

PARAMETERS	UNITS	STORET # / METHOD	36090 T44GMS3 27	TENTATIVE ID
DATE		05/06/87		
TIME		13:51		
UNK518		91518	11.2	TETRACHLOROETHANE
	UG/L	0		
UNK523		91523	56.9	CHLOROBENZENE
	UG/L	0		
UNK533		91533	10.3	POSS. 5-METHYL-1,3-OXATHIANE
	UG/L	0		
UNK539		91539	73.1	1,3-DITHIOLANE
	UG/L	0		POSS. DIMETHYL-1,3-OXATHIANE
UNK542		91542	20.9	POSS. DIMETHYL-1,3-OXATHIANE
	UG/L	0		
UNK544		91544	79.0	UNKNOWN
	UG/L	0		
UNK545		91545	8.99	SULFUR CONTAINING CMPD, M.WT.132
	UG/L	0		
UNK557		91557	44.0	SULFUR CONTAINING CMPD, M.WT.136
	UG/L	0		
UNK558		91558	10	UNKNOWN
	UG/L	0		
UNK561		91561	8.48	UNKNOWN
	UG/L	0		
UNK564		91564	86.3	CAPROLACTAM
	UG/L	0		
UNK573		91573	79.9	DIMETHYL TRITHIOLANE
	UG/L	0		
UNK588		91588	20	UNKNOWN
	UG/L	0		
UNK609		91609	6.32	HEXADECANOIC ACID
	UG/L	0		
UNK617		91617	10.1	UNKNOWN
	UG/L	0		
UNK618		91618	49.5	OCTADECENOIC ACID, UNKNOWN
	UG/L	0		
UNK622		91622	96.1	UNKNOWN
	UG/L	0		
UNK642		91642	126	UNKNOWN
	UG/L	0		
UNK673		91673	375	UNKNOWN
	UG/L	0		
UNK694		91694	37.4	UNKNOWN
	UG/L	0		

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PARAMETERS	STORET #	T44GMS3	TENTATIVE ID
UNITS	METHOD	2[illegible]	
DATE	05/11/87		
TIME	14:39		
UNK550	91550	7.00	1,3,6-DIXATHIOLANE (c5h10o2s)
UG/L	0		
UNK552	91552	40	UNKNOWN
UG/L	0		
UNK557	91557	23.0	SULFUR-CONTAINING COMPOUND
UG/L	0		
UNK563	91563	153	UNKNOWN
UG/L	0		
UNK573	91573	113	DIMETHYL TRITHIOLANE
UG/L	0		
UNK577	91577	24.5	SULFUR-CONTAINING CMPD,M.WT.152
UG/L	0		
UNK582	91582	6.33	MONOCHLORINATED CMPD, M.WT.182
UG/L	0		
UNK642	91642	11.2	UNKNOWN
UG/L	0		
UNK554	91554	8.38	UNKNOWN
UG/L	0		
UNK574	91574	114	SULFUR-CONTAINING CMPD
UG/L	0		
UNK579	91579	6.46	UNKNOWN
UG/L	0		
UNK603	91603	7.78	CHLORINATED CMPD
UG/L	0		

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PARAMETERS UNITS	STORET # METHOD	T44GMS3 41	TENTATIVE ID
DATE	07/08/87		
TIME	08:56		
UNK563	91563	21.9	UNKNOWN, ALICYCLIC CMPD.
UG/L	0		
UNK566	91566	72.7	UNKNOWN, ALICYCLIC CMPD.
UG/L	0		
UNK569	91569	18.1	UNKNOWN
UG/L	0		
UNK573	91573	9.11	UNKNOWN, ALICYCLIC CMPD.
UG/L	0		
UNK577	91577	13.3	UNKNOWN
UG/L	0		
UNK582	91582	16.9	UNKNOWN
UG/L	0		
UNK587	91587	16.5	UNKNOWN
UG/L	0		
UNK589	91589	28.2	UNKNOWN
UG/L	0		
UNK595	91595	13.7	UNKNOWN
UG/L	0		
UNK625	91625	13.8	UNKNOWN
UG/L	0		
UNK575	91575	16.1	UNKNOWN
UG/L	0		
UNK579	91579	79.0	UNKNOWN
UG/L	0		
UNK580	91580	20	UNKNOWN
UG/L	0		
UNK581	91581	10.4	UNKNOWN
UG/L	0		
UNK583	91583	30.0	UNKNOWN
UG/L	0		
UNK585	91585	80	UNKNOWN, ALICYCLIC CMPD.
UG/L	0		
UNK586	91586	54.4	UNKNOWN
UG/L	0		
UNK593	91593	24.5	UNKNOWN
UG/L	0		
UNK594	91594	31.5	UNKNOWN
UG/L	0		
UNK623	91623	7.90	c12h9cl5o
UG/L	0		2,5,7-METHENO-3H-CYCLOPENTA-[A]PENTALEN-3-ONE
UNK633	91633	40.4	PENTACHLORO CMPD, POSS.M.WT.360
UG/L	0		
UNK519	91519	23.1	TETRACHLOROETHENE
UG/L	0		
UNK543	91543	11.2	DCPD ISOMER

PARAMETERS		STORET #	37332 T44GMS3	TENTATIVE ID
	UNITS	METHOD	42	
DATE		07/08/87		
TIME		08:05		
UNK523		91523	8.80	CHLOROBENZENE
	UG/L	0		
UNK582		91582	10.3	UNKNOWN
	UG/L	0		

PARAMETERS		STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	43	
DATE		07/09/87		
TIME		07:20		
UNK642		91642	37.8	UNKNOWN
	UG/L	0		

PARAMETERS		STORET #	37344 T44GMS3	TENTATIVE ID
	UNITS	METHOD	44	
DATE		07/08/87		
TIME		11:15		
UNK523		91523	2.90	CHLOROBENZENE
	UG/L	0		
UNK582		91582	8.12	UNKNOWN
	UG/L	0		
UNK589		91589	79.2	UNKNOWN
	UG/L	0		
UNK585		91585	7	UNKNOWN
	UG/L	0		
UNK593		91593	13.7	UNKNOWN
	UG/L	0		
UNK519		91519	39.5	TETRACHLOROETHENE
	UG/L	0		

PARAMETERS		STORET #	T44GMS3	TENTATIVE ID
	UNITS	METHOD	45	
DATE		07/08/87		
TIME		09:45		
UNK523		91523	5.50	CHLOROBENZENE
	UG/L	0		
UNK543		91543	2.48	DICHLOROBENZENE
	UG/L	0		

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OFFPOST GC/MS NONTARGET DATA
TASKS 4 AND 44 3RD & 4TH QUARTER,
FY1986 AND 4TH QUARTER FY1987

PARAMETERS	STORET #	37305 OPG3C	
UNITS	METHOD	1	TENTATIVE ID
DATE	08/26/86		
TIME	14:56		
UNK563	91563	28.8	UNK
UNK565	91565	154	CAPROLACTAM
UNK582	91582	20.4	UNK
UNK586	91586	8.78	UNK

PARAMETERS	STORET #	37307 OPGW2C	TENTATIVE ID
UNITS	METHOD	2	
DATE	06/18/86		
TIME	11:41		
UNK594	91594	26.4	N-HEPTADECANE; 2,10,6,4-TETRA-METHYLPENTADECANE
UNK600	91600	7.48	N-OCTADECANE
UNK605	91605	13.0	N-NONADECANE
UNK610	91610	7.40	N-EICOSANE

PARAMETERS	STORET #	37308 OPGW2C	TENTATIVE ID
UNITS	METHOD	3	
DATE	06/16/86		
TIME	15:17		
UNK519	91519	20.9	TETRACHLOROETHENE
UNK563	91563	7.43	CYCLOPENTADIENE DERIVATIVE c11h16
UNK566	91566	18.9	c10h10o, CYCLPENTADIENE
UNK579	91579	33.6	UNK
UNK582	91582	6.61	UNK
UNK583	91583	7.54	UNK
UNK585	91585	27.9	UNK
UNK586	91586	18.7	UNK
UNK589	91589	30.5	UNK
UNK593	91593	14.4	UNK
UNK594	91594	6.78	UNK
UNK595	91595	6.42	UNK
UNK633	91633	8.52	TETRACHLORINATED COMPOUND

PARAMETERS	STORET #	37312 OPGW2C	TENTATIVE ID
UNITS	METHOD	1	
DATE	06/17/86		
TIME	11:13		
UNK579	91579	6.57	UNK

PARAMETERS	STORET #	37313 OPG3C	TENTATIVE ID
UNITS	METHOD	2	
DATE	08/26/86		
TIME	10:15		
UNK560	91560	7.49	UNK
UNK563	91563	29.0	UNK
UNK565	91565	339	CAPROLACTAM
UNK579	91579	14.4	2-(4-METHYL-2-FURYL)-2-CYCLOPENTEN-1-ONE
UNK582	91582	27.5	UNK
UNK585	91585	11.8	UNK
UNK586	91586	14.6	UNK
UNK588	91588	38.7	PROPANOIC ACID, 2-METHYL-1-(1,1-DIMETHYL ETHYL)-2-METHYL -1,3-PROPANEDIEL ESTER
UNK599	91599	7.87	UNK
UNK642	91642	96.6	UNK
UNK654	91654	911	UNK
UNK671	91671	752	UNK
UNK693	91693	571	UNK

PARAMETERS	STORET #	37320 OPG3C	TENTATIVE ID
UNITS	METHOD	3	
DATE	09/22/86		
TIME	12:06		
UNK529	91529	14.1	2-METHYLCYCLOPENTANONE
UNK648	91648	11.3	UNK
UNK652	91652	236	UNK

		37332	
PARAMETERS	STORET #	OPGW2C	TENTATIVE ID
UNITS	METHOD	5	
DATE	06/16/86		
TIME	11:58		
UNK040	91040	7.50	UNK
UNK582	91582	6.41	UNK

PARAMETERS	STORET #	37343 OPGW2C	TENTATIVE ID
UNITS	METHOD	6	
DATE	06/13/86		
TIME	08:39		
UNK594	91594	14.3	N-HEPTADECANE, 2,6,10,14-TETRAMETHYLPENTADECANE

PARAMETERS	STORET #	37343 OPGW2C	TENTATIVE ID
UNITS	METHOD	6	
DATE	06/13/86		
TIME	08:39		
UNK600	91600	5.51	2,6,10,14-TETRAMETHYLPENTADECANE
UNK605	91605	7.49	N-NONADECANE
UNK667	91667	175	UNK

PARAMETERS	STORET #	37347 OPG3C	TENTATIVE ID
UNITS	METHOD	5	
DATE	08/25/86		
TIME	00:00		

		37349	
PARAMETERS	STORET #	OPG3C	TENTATIVE ID
UNITS	METHOD	6	
DATE	09/11/86		
TIME	07:53		

PARAMETERS	STORET #	37353 OPGW2	TENTATIVE ID
UNITS	METHOD	8	
DATE	06/12/86		
TIME	11:32		
UNK523	91523	10.8	A NONANE
UNK524	91524	13.0	4-HYDROXYL-4-METHYL-2-PENTANONE
UNK526	91526	20.9	A NONANE
UNK526	91526	20.9	A NONANE
UNK527	91527	32.3	METHYLOCTANE

PARAMETERS	STORET #	37353 OPGW2C	TENTATIVE ID
UNITS	METHOD	8	
DATE	06/12/86		
TIME	11:32		
UNK649	91649	120	UNK
UNK657	91657	67.7	UNK

PARAMETERS	STORET #	37353 OPG3C	TENTATIVE ID
UNITS	METHOD	4	
DATE	09/12/86		
TIME	07:38		

PARAMETERS	STORET #	37354 OPGW2C 4	TENTATIVE ID
UNITS	METHOD		
DATE	06/11/86		
TIME	10:06		
UNK635	91635	2.83	BIS(2-ETHYLHEXYL)PHTHALATE

PARAMETERS	STORET #	OPG3C	TENTATIVE ID
	37356		
UNITS	METHOD	7	
DATE	09/08/86		
TIME	10:43		
UNK652	91652	127	UNK

PARAMETERS	STORET #	37357 OPG3C	TENTATIVE ID
UNITS	METHOD	8	
DATE	09/11/86		
TIME	10:47		

PARAMETERS UNITS	STORET # METHOD	BOLLER OPGW2C 7	TENTATIVE ID
DATE		07/01/86	
TIME		09:32	
UNK588	91588	11.4	UNK
UNK635	91635	18.4	PHTHALATE, BIS(2-ETHYLHEXYL)-PHTHALATE
UNK640	91640	5.79	PHTHALATE
UNK649	91649	7.08	PHTHALATE
UNK654	91654	6.42	PHTHALATE
UNK656	91656	112	UNK
UNK669	91669	5.87	PHTHALATE

GC/MS TRIP BLANK DATA

GCMS TRIP BLANKS

STORET CODE:				34371	34030	81596	81580	34496	34531	34506	34511	34423	32106	32102	34546	34010	34301
METHOD CODE:				MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
PARAMETER:				ETHYBENZ	BENZENE	MIBK	DMDS	11DCLE	12DCLE	111TCE	112TCE	METHYLCL	CHCL3	CCL4	T12DCE	TOLUEN	CLC6H5
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME														
T4TBKC	2	TBK2	06/04/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	3	TBK3	06/05/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	5	TBK5	06/12/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	6	TBK6	06/23/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	3.9	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	7	TBK7	06/24/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	8	TBK8	06/24/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	9	TBK9	06/26/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	10	TBK10	06/27/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	11	TBK11	06/30/86 00:52	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBKC	12	TBK12	07/01/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	3	TB3	08/28/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	6.66	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	4	TB4	09/02/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	5.88	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	5	TB5	09/03/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	6.79	14.3	<2.0	<2.0	1.3	<2.0
T4TBC	6	TB6	09/04/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	6.41	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	7	TB7	09/05/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	1.9	<2.0
T4TBC	8	TB8	09/08/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
OPTBC	4	TB4	09/12/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	9	TB9	09/15/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	10	TB10	09/17/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	11	TB11	09/18/86 00:09	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	8.45	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	12	TB12	09/19/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	1.1	<2.0
T4TBC	13	TB13	09/22/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	14	TB14	09/23/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	15	TB15	09/24/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	16	TB16	09/26/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T4TBC	17	TB17	09/29/86 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T44GMS3	50	TB1	05/05/87 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T44GMS3	51	TB2	05/06/87 00:00	<1.0	<1.0	<2.0	<3.0	<2.0	<1.0	<1.0	<1.0	<5.00	<1.00	<2.0	<2.0	<1.0	<2.0
T44GMS3	52	TB3	05/08/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	15.9	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	53	TB4	05/11/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	<4.00	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	54	TB5	05/12/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	<4.00	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	55	TB6	05/13/87 07:52	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	<4.00	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	56	TB7	05/18/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	<4.00	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	57	TB8	05/19/87 00:00	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	9.81	<1.00	<1.5	<1.2	<1.0	<2.1
T44GMS3	59	TB10	07/09/87 07:20	<1.0	<1.1	<2.0	<2.5	<2.0	<1.0	<1.0	<1.0	5.72	<1.00	<1.5	<1.2	<1.0	<2.1

GCMS TRIP BLANKS

STORET CODE:				34475	39180	98553	98554	99133	77985	98633
METHOD CODE:				MB	MB	MB	MB	MB	MB	MB
PARAMETER:				TCLEE	TRCLE	M-XYLENE	OP-XYL	DBCP	DCPD	DCHD
UNITS:				UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
FLD.GRP.	#	SAMPLE ID	DATE TIME							
T4TBKC	2	TBK2	06/04/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	3	TBK3	06/05/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	5	TBK5	06/12/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	6	TBK6	06/23/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	7	TBK7	06/24/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	8	TBK8	06/24/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	9	TBK9	06/26/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	10	TBK10	06/27/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	11	TBK11	06/30/86 00:52	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBKC	12	TBK12	07/01/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	3	TB3	08/28/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	4	TB4	09/02/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	5	TB5	09/03/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	6	TB6	09/04/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	7	TB7	09/05/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	8	TB8	09/08/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
OPTBC	4	TB4	09/12/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	9	TB9	09/15/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	10	TB10	09/17/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	11	TB11	09/18/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	12	TB12	09/19/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	13	TB13	09/22/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	14	TB14	09/23/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	15	TB15	09/24/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	16	TB16	09/26/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T4TBC	17	TB17	09/29/86 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T44GMS3	50	TB1	05/05/87 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T44GMS3	51	TB2	05/06/87 00:00	<1.0	<1.0	<1.0	<2.0	<4.0	<2.0	<1.0
T44GMS3	52	TB3	05/08/87 00:00	<1.0	< .0	<1.0	<2.0	<3.8	<1.1	<1.0
T44GMS3	53	TB4	05/11/87 00:00	<1.0	<1.0	<1.0	<2.0	<3.8	<1.1	<1.0
T44GMS3	54	TB5	05/12/87 00:00	<1.0	<1.0	<1.0	<2.0	<3.8	<1.1	<1.0
T44GMS3	55	TB6	05/13/87 07:52	<1.0	<1.0	<1.0	<2.0	<3.8	<1.1	<1.0
T44GMS3	56	TB7	05/18/87 00:00	<1.0	<1.0	<1.0	<2.0	<3.8	<1.1	<1.0
T44GMS3	57	TB8	05/19/87 00:00	<1.0	<1.0	<1.0	<2.0	<3.8	<1.1	<1.0
T44GMS3	59	TB10	07/09/87 07:20	<1.0	<1.0	1.4	<2.0	<3.8	<1.1	<1.0

APPENDIX E

HYDROCHEMICAL PROPERTIES AND HYDROLOGIC CALCULATIONS

APPENDIX E
HYDROCHEMICAL PROPERTIES

Several hydrochemical properties that are discussed in Section 5.0 and presented in this Appendix may also influence contaminant distribution in the Denver Fm. These parameters include density, solubility, viscosity, and partitioning behavior (partition coefficients). The following discuss the environmentally important properties of chemicals, as well as the major types of mechanisms that may be operative at RMA, and the influence these controls may exert on compound distribution.

E.1 PHYSIOCHEMICAL PROPERTIES

The concentration, behavior, and fate of compounds in aqueous media are determined by a number of physiochemical and biological processes (Moore and Ramamoothy, 1984). These processes include sorption-desorption, volatilization, oxidation-reduction, hydrolysis, halogenation-dehalogenation, cosolvent effects, photochemical processes, and metabolic transformation which influence contaminant partitioning, migration, and degradation. Processes are discussed in Section E.2. Specific chemical properties influence the physiochemical processes, and include density, solubility, viscosity, vapor pressure, and partition coefficients. A summary of these properties for contaminants identified in RMA waters is discussed below and provides information to assess fate and transport processes that control contaminant distribution in aqueous media.

E.1.1 DENSITY

Density is defined as the mass per unit volume of a substance under standard conditions of pressure and temperature (Morris, 1976). Specific gravity is similar to density, as it represents the mass of a compound relative to that of an equal volume of water at 4°C. After immiscible contaminants are introduced to the ground-water system they will either sink, float, or remain suspended in the ground water as a function of compound density/specific gravity. Table 5.2-3 lists the specific gravity of RMA contaminants.

The influence of compound density on contaminant distribution is substantially decreased once the compound is dissolved. However, the resulting density of the overall aqueous media relative to uncontaminated aquifer waters may produce a small amount of density differentiation, depending on compound concentration. As a contaminant continues to mix with uncontaminated water, dilution of the ground water/contaminant mixture occurs and the effects of density differentiation are greatly reduced.

E.1.2 SOLUBILITY

Solubility is the maximum amount of a compound that will dissolve in a given amount of solvent. This property will affect the amount of contaminant that can be transported in the dissolved phase within aqueous media.

Solubility of a contaminant in water is influenced by a number of parameters including temperature, pressure, chemical reactions within the ground water system, pH, Eh, and the concentration of other ionic species in solution. In very general terms, the solubility of a compound increases with increased temperature, decreased ionic content, decreased pH (for metals), and increased organic constituent content (Ebasco, 1988, unpublished). Table 5.2-3 summarizes RMA contaminant solubility in water. In general, compounds with solubilities in excess of 1,000 mg/l may be considered relatively soluble, which includes most of the volatile organohalogens, benzene, DBCP, MIBK, CPMSO, $CPMSO_2$, DMDS, oxathiane, dithiane, DIMP, and DMMP.

Arsenic is generally considered insoluble, although it is found throughout much of the RMA alluvial ground water (Figure 4.2-18). One possible explanation for this occurrence is that arsenic may be found as metalloid complexes (negatively charged or neutral) that exhibit little or no adsorption or ion exchange attenuation (Freeze and Cherry, 1979, Task 23).

E.1.3 VISCOSITY

Viscosity can be an important consideration for immiscible compounds. In a porous media setting, immiscible, viscous material will travel at lower rates than dissolved constituents through porous media. Noting that many of

the contaminants at RMA exhibit miscibility, this parameter may be of concern only where solubility of a compound is exceeded and undissolved material may exist.

E.1.4 VAPOR_PRESSURE

Vapor pressure is defined as the pressure exerted by vapor in equilibrium with its solid or liquid phase (Morris, 1976). This parameter defines which compounds are classified as volatile and determines the relative potential influence of the vapor phase on contaminant distribution. Vapor pressure is highly dependent upon temperature and molar/molal heat of vaporization (Moore and Ramamoorthy, 1984). Ebasco (1988) assembled information regarding vapor pressure for RMA compounds (Table 5.2-3). In general terms, volatile compounds exhibit vapor pressures in excess of 1 millimeter of mercury (mmHg), semivolatile compounds exhibit vapor pressures between 1 and 0.001 mmHg, and nonvolatile compounds exhibit vapor pressures less than 1×10^{-3} mmHg (Ebasco, 1988).

E.1.5 PARTITION_COEFFICIENTS

A partition coefficient is the measure of the distribution of a given compound between two phases and may be expressed as a concentration ratio (Moore and Ramamoorthy, 1984). Of particular concern to aqueous media are the partitioning of compound between the aqueous and vapor phases, and partitioning of contaminant between the aqueous and solid (aquifer material) phases. These behaviors are defined by Henry's constant (K_h) and the sorption coefficient (K_d), which are discussed below.

E.1.5.1 HENRY'S LAW CONSTANT

Henry's law states that at equilibrium, the solubility of a gas in water at a constant temperature is proportional to the vapor pressure (Hem, 1986). This proportionality is related to Henry's law constant, which is defined by the formula:

$$K_h = \frac{[x]}{Px}$$

where:

K_h = Henry's constant,
$[x]$ = Activity of the compound in the liquid phase, and
Px = Vapor pressure of the compound at a given temperature.

K_h is constant at equilibrium, therefore, variations in either Px or [x] will produce a corresponding adjustment in the other phase.

Compounds that exhibit K_h of less than 10^{-7} atm-m^3/mol are considered nonvolatile and will exist primarily as dissolved or sorbed constituents within aqueous media. Compounds with K_h between 10^{-7} and 10^{-3} at m-m^3/mol may be considered semivolatile in nature, while contaminants with K_h greater than 10^{-3} atm-m^3/mol volatile.

E.1.5.2 SORPTION COEFFICIENT

The sorption coefficient, or K_d, is represented by the ratio of the concentration of a contaminant sorbed to aquifer material and the concentration of contaminant in the aqueous phase. The following formula describes this relationship:

$$K_d = \frac{Cs}{Cw}$$

where:

K_d = Sorption coefficient;
Cs = Concentration in the solid phase; and
Cw = Concentration in the liquid phase.

K_d is different for each contaminant, and is affected by temperature, pH, Eh, and composition of both the soil and aqueous media.

K_d is markedly influenced by the organic carbon content within the system. Organic carbon is usually associated with the solid media, and the relationship is described by:

$$K_d = K_{oc} \cdot f_{oc} \quad \text{or} \quad K_{oc} = \frac{K_d}{f_{oc}}$$

where:

K_{oc} = Sorption coefficient on organic carbon in soil; and
f_{oc} = Fraction organic carbon in solid.

Sorption coefficient values shown on Table 5.2-3 were mainly acquired from Task 35, although values derived under the K_d Investigation were also considered (ESE, 1988). Under this investigation, borings were installed in the Basin A area and ground water/aquifer soil samples collected to determine partition coefficient values for RMA compounds. K_d calculations were conducted based on K_{oc} and f_{oc} determinations, and were compared with estimates presented in the Task 35 Toxicity Assessment (Ebasco, 1988). Figure E-1 illustrates the relationship of K_d and K_h within aqueous media at RMA. The Figure shows those compounds that are volatile, semivolatile, and nonvolatile. This Figure shows that dichloro-ethene/ethane compounds and methylene chloride may have 30 to 70 percent of constituents in the vapor phase relative to the dissolved phase, with the remainder of the volatiles exhibiting 4 to 30 percent of their total concentration in the vapor phase. The Figure also serves to illustrate partitioning behavior of semivolatile/ nonvolatile compounds. Compounds to the left exhibit higher K_ds, and are therefore more likely to be sorbed to aquifer material relative to compounds on the right side of the diagram.

An additional partitioning relationship of concern is defined by the octanol-water partition coefficient (K_{ow}) (Table 5.2-3) . This parameter is defined by the ratio of a chemical's concentration in the octanol phase to its concentration in the aqueous phase in a two-phase system (Ebasco, 1988). K_{ow} is of particular concern in a system where both aqueous and organic solvent phases are present. A compound may partition into either phase preferentially based on the compound's K_{oc}. There is not sufficient solvent concentration within RMA waters to cause this cosolvent effect on a regional basis, although localized partitioning may occur. A laboratory study by Staples and Geiselmann (1987) using soil columns indicated that cosolvent concentrations of approximately 5 to 10 percent were necessary to reduce transport time by 1/2. This would require organic solvent concentrations on the order of 50,000 ppm to 100,000 ppm, much higher than detectable concentrations in RMA ground-water.

The sorption coefficient (K_d) is particularly important because it may profoundly influence contaminant distribution within a ground-water system.

Contaminant flow will be attenuated by the amount of partitioning between the liquid and solid phase, and is represented by the equation:

$$R_f = 1 + \frac{B}{N_e} K_d$$

where:

R_f = Retardation factor,
B = Bulk density of the aquifer material (kg/l), and
N_e = Effective porosity of the aquifer.

Estimates for effective alluvial aquifer porosity range between 20 percent and 35 percent, with an estimated porosity of 30 percent. Bulk density is approximately 2.7 g/cm^3. Multiplying R_f by ground-water velocity can indicate potential contaminant migration rates.

E.2 CONTAMINANT TRANSPORT AND FATE PROCESSES

To determine the interaction of contaminated RMA soils and ground water and their subsequent impact on the environment, an understanding of contaminant fate and transport is required. Environmental contamination problems would be minimal in the absence of transport processes. It is the transport processes that cause the migration of contaminants laterally and vertically from the site of their storage, disposal, or accidental spill. In addition to the migration of contaminants from their point of origin in the environmental matrix, numerous transformation and degradation processes also influence their fate. These processes can cause changes in the physical properties of contaminants, such as increasing or decreasing their mobility and toxicity. The dynamic interaction of these fate and transport processes governs the distribution of contaminants in the soil.

In order to summarize potential fate and transport mechanisms in the unsaturated and saturated soil environments, processes have been organized into three general categories:

- Transport processes;
- Attenuation processes; and
- Loss processes.

Several processes are included under each of these general categories. The role of these processes in the environment, and their specific influence on

RMA contaminant fate and transport, is discussed below. This categorization is in some sense artificial, and is strongly dependent on the definition of the system of interest. Some processes have characteristics which cause them to fall to some extent into more than one category. For example, volatilization can be an attenuation process in the aqueous phase if contaminants are retained in the gaseous phase within the soil pore space. In this case the contaminants may reenter solution. If the gaseous contaminants are lost to the atmosphere they are no longer a component in the system in question. This would be considered a loss process. Ecological exposure pathways will be discussed in detail in the forthcoming Biota Remedial Investigation Report (ESE, 1988).

E.2.1 Transport Processes

Processes that effect transport of soluble contaminants in ground water include advection and dispersion. Advection is the process by which contaminants are transported by the bulk motion of flowing ground water. It is the primary process by which solutes migrate in coarse-grained, permeable aquifers. The magnitude of the driving force for ground-water flow is the hydraulic conductivity. The average linear velocity of ground water in an aquifer is equal to the product of the gradient and the aquifer's capability to transmit water (Mackay et al., 1985).

A plume of dissolved contaminants will spread as it moves with ground water. This tendency to spread is called dispersion and it is the result of two processes-- molecular diffusion and mechanical mixing.

Molecular diffusion defines the tendency for ionic and molecular species to move under the influence of their kinetic activity. This kinetic activity of contaminants in solution results in a net flux, or diffusion, of contaminants from an area of higher concentration to an area of lower concentration (Freeze and Cherry, 1979). The influence of molecular diffusion on movement of solutes diminishes directly with the velocity of ground water flow.

Mechanical mixing, by contrast, involves variation in ground water velocity caused by frictional forces, variability in pore dimensions, and variability

in localized flow direction (Mackay et. al., 1985). Dispersion leads directly to dilution, so that maximum concentrations diminish with distance from the source. Dispersion will also tend to increase the uniformity of concentrations in a plume with distance from the source. Observed dispersion in the direction of longitudinal flow is usually greater than dispersion in the traverse direction of flow. Tests using field tracers indicate increasing dispersivity in the longitudinal direction as the distance between injection and observation wells increases, until some point where the dispersivity stops increasing. This phenomenon of increased dispersivity with increased distance travelled is referred to in the literature as the scale effect (Molz, 1983). It is possible for dispersive spreading to result in the arrival of detectable contaminant concentrations prior to the predicted arrival time based solely on the average ground water velocity (Newsom, 1985; Mackay, 1985).

E.2.2 ATTENUATION_PROCESSES

The concentrations of many organic and inorganic contaminants in ground water are often much lower than would be expected on the basis of equilibrium solubility calculations or from supply to the aqueous phase from point source concentrations. Most commonly these compounds are adsorbed onto the solid phase or, in the case of inorganic contaminants, are influenced by chemical precipitation in response to solubility constraints (Drever, 1982; Cherry, 1984).

E.2.2.1 SORPTION-DESORPTION

Partitioning between coexisting aqueous and solid phases is the dominant factor for determining the extent to which a contaminant will be leached to the water table and transported with ground-water flow. Contaminants that are strongly sorbed to the solid phase will migrate at a relatively slow rate compared to contaminants which are not as strongly sorbed. Many contaminants of environmental concern are commonly detected in both the solid and aqueous phases at similar concentrations. For these moderately adsorbed compounds, travel times will be intermediate between those that are more readily adsorbed and those with minimal adsorption characteristics.

The transfer of contaminant mass by sorption from the aqueous phase to the solid phase of the porous medium causes retardation of the rate of contaminant transport. The partition coefficient concept is based on the assumption that the reactions that partition contaminants between the aqueous and solid phases are completely reversible. In such a case contaminant plume transport will be retarded by the transfer of contaminant mass from the liquid to the solid phase. As concentrations decrease in ground-water, contaminants will be transferred back to the aqueous phase. After input of contaminated water is discontinued, the plume of contamination will move down the flow path as it is replaced by ground-water with decreasing concentrations. With sufficient time, all contaminants will be flushed from the ground-water system if the reactions are reversible. Any contaminant fixed to the solid phase irreversibly, relative to the time scale of interest, will not be transferred back to the aqueous phase and will therefore remain in place in the subsurface environment. In cases where partitioning cannot be described by equilibrium relations, information on reaction rates between contaminant and porous media is required in order to make accurate predictions on rate of contaminant migration. An example of this are substances that do not react rapidly enough with the porous media relative to ground-water flow rates for equilibrium to be established (Freeze and Cherry, 1979).

These are several generalities that can be used to predict the extent of sorption. The more hydrophobic an organic compound is, the more likely it is to be sorbed. The solubility of an organic compound depends upon the physiochemical characteristics of the sorbent material, such as available surface area, nature and density of charge, presence of hydrophobic areas, presence of organic matter such as humic and fulvic acids, as well as characteristics of the contaminant such as solubility and hydrophobicity. Karickloff (1981) generalized that for neutral organic compounds of limited solubility ($<10^{-3}$ M), that are not susceptible to speciation charges, sorption is primarily controlled by organic carbon content and the percentage of fine-grained sediments.

E.2.2.2 DISSOLUTION/PRECIPITATION

To predict solubility constraints the law of mass action and the associated principles of equilibrium-chemical thermodynamics must be considered. The equilibrium relation for a contaminant species controlled by precipitation or dissolution is defined as:

$$xX + bB = yY + cC + dD;$$

where: X is the inorganic contaminant species in the solution phase;
Y is a mineral or solid amorphous compound in which the contaminant species is incorporated by precipitation or from which it is released by dissolution;
B, C, and D are other species in solution; and,
x, y, b, c, and d are the stoichiometric mole number.

From the law of mass action, the equilibrium expression is obtained

$$[X]^x = [C]^c [D]^d / K_{eq} [B]^b;$$

where: K_{eq} is the equilibrium constant and the quantities within the brackets are chemical activities of the species indicated.

If X is initially above the equilibrium concentration when it enters the ground water system, adjustment toward equilibrium will occur by precipitation of mineral or amorphous solids. If X is below the equilibrium concentration, available minerals or amorphous solids that contain X as part of the chemical structure will dissolve.

E.2.3 LOSS PROCESSES

Loss processes are those that cause a compound to be removed permanently from the environmental system under study. For example, compounds with relatively high values of Henry's law constant are likely to volatilize from a surface water body. After volatilization they are lost to the aqueous phase and are present in the atmosphere where they are subject to a different set of processes.

E.2.3.1 Volatilization

Volatilization is the process by which a compound evaporates from either a liquid or solid phase to the gas phase. Loss of contaminants from surface water and shallow ground water through volatilization can be a significant transport pathway, resulting in reduced concentrations. The degree to which a compound will be volatilized is dependent on physical chemical characteristics of the compound, such as vapor pressure and Henry's law constant, as well as properties of the coexisting sediment and aqueous phases.

E.2.3.2 Chemical Transformations

Transformation and degradation processes determine whether a chemical will persist in the environment. Key processes include both biological and chemical mechanisms, such as biotransformation, hydrolysis, photolysis, and oxidation-reduction. Contaminants are generally reduced to less hazardous components, such as carbon dioxide and water. However, the characteristics of degradation products may, in certain instances, be of greater concern due to increased toxicity, persistence, or mobility. Specific rates at which these processes occur are dependent on individual chemical, soil, and environmental characteristics. In general, surface processes occur at faster rates than subsurface processes.

Several chemical reaction mechanisms potentially contribute to the overall process of chemical transformation. Hydrolysis, photolysis, and oxidation-reduction reactions are the primary components of chemical transformation in surface and ground-water, although other reactions, such as reductive dehalogenation may be significant for individual compounds of interest. Callahan (1979) assessed potential transformations affecting priority pollutants in aqueous systems. Only a brief description of each major class of reactions is provided below.

Hydrolysis

During hydrolysis, an organic compound reacts with water, resulting in the introduction of a hydroxyl group into the molecule and subsequent elimination of another functional group, such as a halogen. Hydrolysis may

be catalyzed by acid (H+), base (OH-), or metal (M+) ions; thus, the rate of hydrolysis is pH and metal-ion-concentration dependent. Surface effects may also influence the rate of hydrolysis. Hydrolysis of some pesticide derivatives is more rapid in the presence of humic materials.

Mabey and Mill (1978) reviewed data for hydrolysis of a variety of organic chemicals for use in predicting of half-lives in aquatic systems. In some cases alkyl halides appear to exhibit hydrolysis rates which are independent of pH in the environmental pH range of 4-9. Carboxylic acid esters, however, are acid/base promoted and exhibit a minimum hydrolysis rate at pH 4-5. Rate constants for many hydrolyzable structures can be estimated from published data (EPA, 1979).

Photochemical Processes

Photochemical processes include both direct photolysis and sensitized photolysis. In direct photolysis the compound adsorbs solar radiation and is transformed, while in sensitized photolysis, the energy which transforms the compound is derived from another species in solution. Photolysis reactions may occur in either near-surface soils or surface water.

Photochemical reactions generally occur at wavelengths greater than 290nm. The rate of direct photolysis is dependent on the sunlight photon flux, the light adsorption coefficients of the chemical, and the reaction efficiency for converting absorbed light into chemical reaction.

In contrast to direct photolysis, indirect photolysis will take place if substances naturally present in aquatic environments form excited chemical species or radicals upon absorption of sunlight. These radicals subsequently react with a chemical. Photochemical reactions that may be considered in the indirect class are those in which photolyzed natural substances produce high energy intermediates that react with the ground state of the chemical. An example of such indirect reactions is photo-oxygenation. In this case singlet oxygen is the intermediate.

Oxidation-Reduction

In the soil environment, oxidation-reduction (redox) reactions involving both inorganic and organic compounds are important. Inorganic chemists define oxidation as the loss of electrons and increase in oxidation number, while reduction is the gain of electrons and decrease in oxidation number. Organic oxidation reactions generally involve a gain in oxygen and loss of hydrogen, while the reverse is frequently true for organic reduction.

Many organic compounds can either accept or donate electrons, forming reduced or oxidized species. This oxidation or reduction may alter an organic compound's environmental and biological properties. The rate of loss of a chemical by oxidation or reduction is generally a second-order kinetic reaction. Oxidation may be expressed by the following:

$$-\frac{dC}{dt} = K_{ox}\,[ox]\,[c]$$

where k_{ox} = second-order rate constant for the oxidation of chemical, C, and [ox] and [c] are the concentrations of oxidant and chemical, respectively. Mill (1979) reviewed the use of Kox for estimation of oxidation half-lives of chemicals (Moore and Ramanoorthy, 1984).

Oxygen often requires the presence of O_2, but the reaction usually involves free radicals, especially OH, RO_2, RO, and singlet oxygen as the oxidant (where R= carbon chain or ring). Redox reactions are often biologically mediated, but can also occur in abiotic systems. Chemical structures most susceptible to oxidation include, phenols, aromatic amines, and dienes. Unsaturated alkyl compounds such alkenes, halogenated alkenes, alcohols, esters, and ketones are not readily oxidizable in the ground water environment (Cherry et al., 1984).

Halogenation-Dehalogenation

Reductive dehalogenation involves the removal of a halogen atom via an oxidation-reduction reaction. This reaction is most likely to occur in low-redox state ground waters. This biological reaction requires mediators, such as Fe^{+3} or biological products, to accept electrons generated by oxidation of reduced organics and to transfer these electrons to the

halogenated organic compound to bring about dehalogenation (Mackay et al., 1984).

Conversely, halogenation of organic compounds occurs mostly under synthetic conditions or under harsh environmental conditions. Mild chlorination reactions are possible in natural waters containing residual chlorine.

Metabolic_Transformation

Biotransformations occur as a result of the metabolic activity of microorganisms through the action of enzymes which catalyze chemical reactions. These reactions generally lead to the production of energy or some essential nutrient for the organism, although some chemicals may be transformed even though the specific reaction does not promote growth. Rates of biotransformation are dependent on microbial tolerance to specific contaminant compounds and the availability of groups of compounds, such as oxygen and nitrate, as nutrient sources. Therefore, rates of biodegradation are dependent upon microbial population and environment as well as the physical/chemical properties of the compound. Although only limited information is available on rates of biodegradation, historical data and field studies may be helpful in evaluating the use of biodegradation processes in remediating site contamination.

GROUND WATER VELOCITY CALCULATIONS

Calculation_of_Lateral_Travel_Times_in_the_Denver_Fm--The lateral travel times in Denver Fm units were estimated by calculating the average linear ground-water velocity from the principles of Darcy's Law, which can be written as:

$$\bar{v} = \frac{K}{n}\frac{dh}{dl}$$

where:

$\bar{v}$ = average linear ground-water velocity
K = horizontal hydraulic conductivity
$\frac{dh}{dl}$ = horizontal hydraulic gradient
n = porosity (calculated from soil test data on Denver Fm units by May et al. (1980, RIC#81266R48) and May (1982, RIC#82295R01)).

The horizontal hydraulic conductivity values used, 1.6 ft/day and 1.1 ft/day, were determined from pumping tests performed on Wells 22317 and 24154 by Black and Veatch (1980, RIC#81266R25). These are the only horizontal hydraulic conductivity values obtained from a pumping test for confined Denver Fm sandstone units at RMA. These values were chosen to obtain a conservative estimate of travel times and because pumping tests generally provide more reliable values then slug tests.

The hydraulic gradient used was 0.01 ft/ft which is representative of potentiometric surface gradients observed in Denver Fm zones at RMA. The porosity of the Denver Fm sandstones was estimated from the following equation:

$$n = \frac{e}{1 + e}$$

where: n = porosity
e = void ratio

and the void ratio was calculated from:

$$e = \frac{(G \cdot w)}{d} - 1$$

where: e = void ratio
G = specific gravity (2.7)
w = unit weight of water (62.4 lb/ft^3)
d = dry unit weight (96.0 to 113.6 lbs/ft^3)

This calculation was performed by assuming a specific gravity for sandstone of 2.7 (Lambe and Whitman, 1969) and using the range of dry-unit weights for sandstone samples determined from laboratory tests by May et al. (1980, RIC#81266R48) and May (1982, RIC#82295R01). Using the above equation, calculated porosity values ranged from 0.33 for medium to coarse-grained sandstone to 0.43 for silty, fine-grained sandstone. These porosity values are in close agreement with the representative values reported for fine-grained sandstone (0.33) and medium-grained sandstone (0.37) by Morris and Johnson (1967). To obtain the highest estimates of average linear groundwater velocities, the lowest porosity value of 0.33 was used.

Vertical average linear ground-water velocities were estimated using Darcy's Law. The calculation of vertical average linear ground-water velocity is dependent on the vertical hydraulic conductivity, the porosity of the weathered clayshale, and the vertical hydraulic gradient.

The vertical hydraulic conductivity of the weathered clayshale could be estimated by three methods: pumping tests, laboratory permeability tests, and using the assumption that vertical hydraulic conductivity is generally two orders of magnitude less than the horizontal hydraulic conductivity. These three methods will be briefly described below.

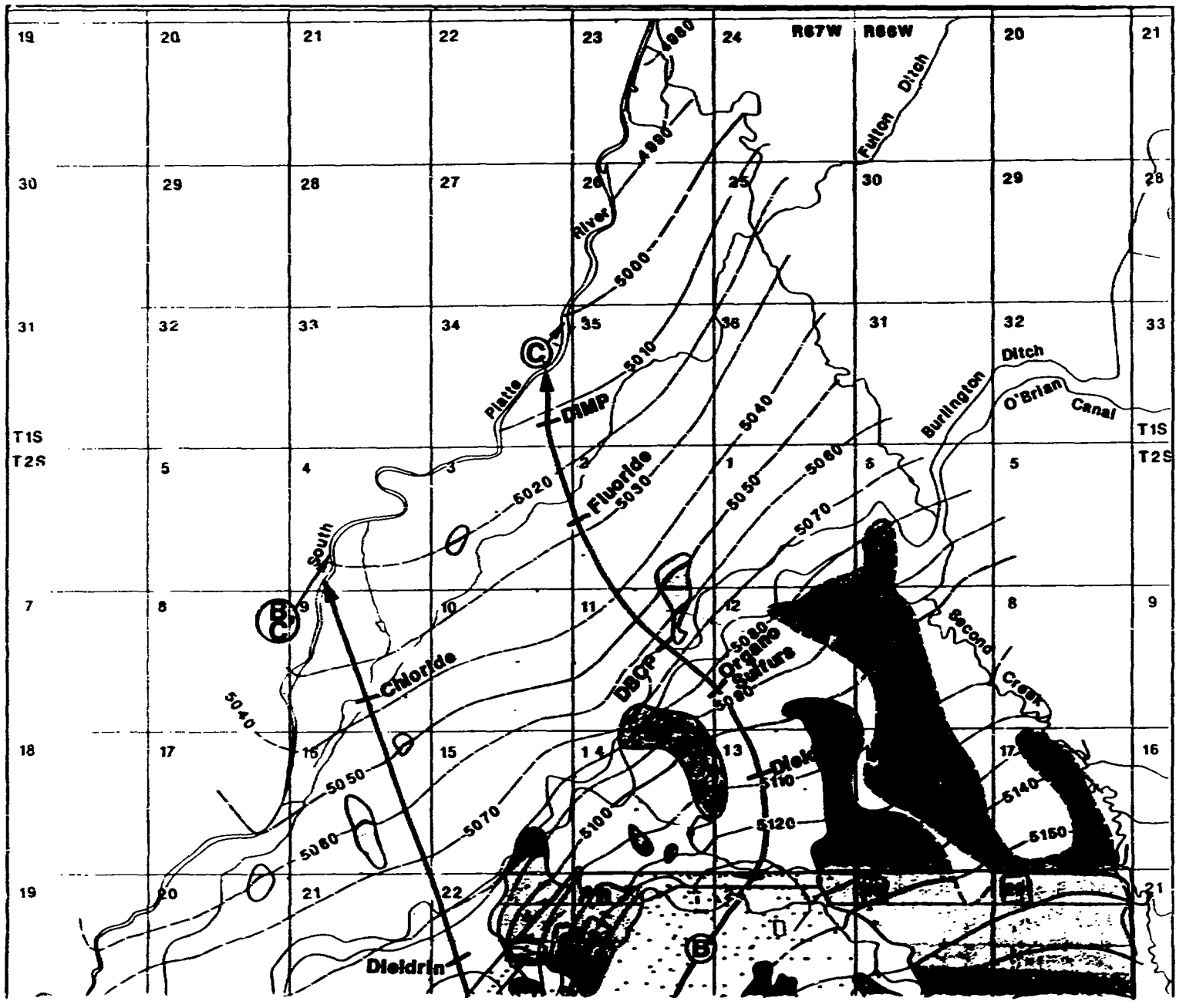
The first method used a pumping test performed near the NBCS at Well 24154 (Black and Veatch, 1980, RIC#81266R25) to estimate vertical hydraulic conductivity for clayshale using the type-curve graphical method devised by Walton (1960) for a leaky artesian aquifer. However, as explained in the Task 36 Draft Final Report (ESE, 1988), the 4.1×10^{-5} ft/day value may have been underestimated because the confining layer between the alluvium and the sandstone unit that was tested was 20-ft thick.

The second method that could be used to estimate vertical hydraulic conductivity was using laboratory permeability tests conducted by WES (1982, RIC#82295R01) on clayshale core samples from Wells 32002 and 35067. The sample intervals were from 107.6 to 108.0 ft, and 77.0 to 77.6 ft, respectively, and were below the depth of weathering. The average vertical hydraulic conductivity value from these falling head permeability tests was 0.16 ft/day. This value appears to be overestimated due to the travel times that would be associated with its use.

A third method used to estimate vertical hydraulic conductivity assumed that it is generally two orders of magnitude less than the horizontal hydraulic conductivity value (Freeze and Cherry, 1980). A slug test performed on Well 24145, screened in jointed clayshale (May et al., 1980, RIC#81266R48), yielded a horizontal value of 5.7×10^{-2} ft/day. Using this value, and assuming vertical hydraulic conductivity would be two orders of magnitude less, a vertical value of 5.7×10^{-4} ft/day is obtained. The horizontal value may be underestimated, thereby underestimating the vertical value, due

to the slug test not stressing the aquifer enough to yield water from the fractures.

It is important when considering vertical hydraulic conductivity to note that it generally decreases with depth due to decreased fracturing and weathering and increased consolidation of the rock.


R67W
R66W
Fulton Ditch
River
Platte
DIMP
Fluoride
Burlington Ditch
O'Brian Canal
South
Chloride
DBCP
Organic Sulfurs
Second Creek
Dieldrin
T1S
T2S
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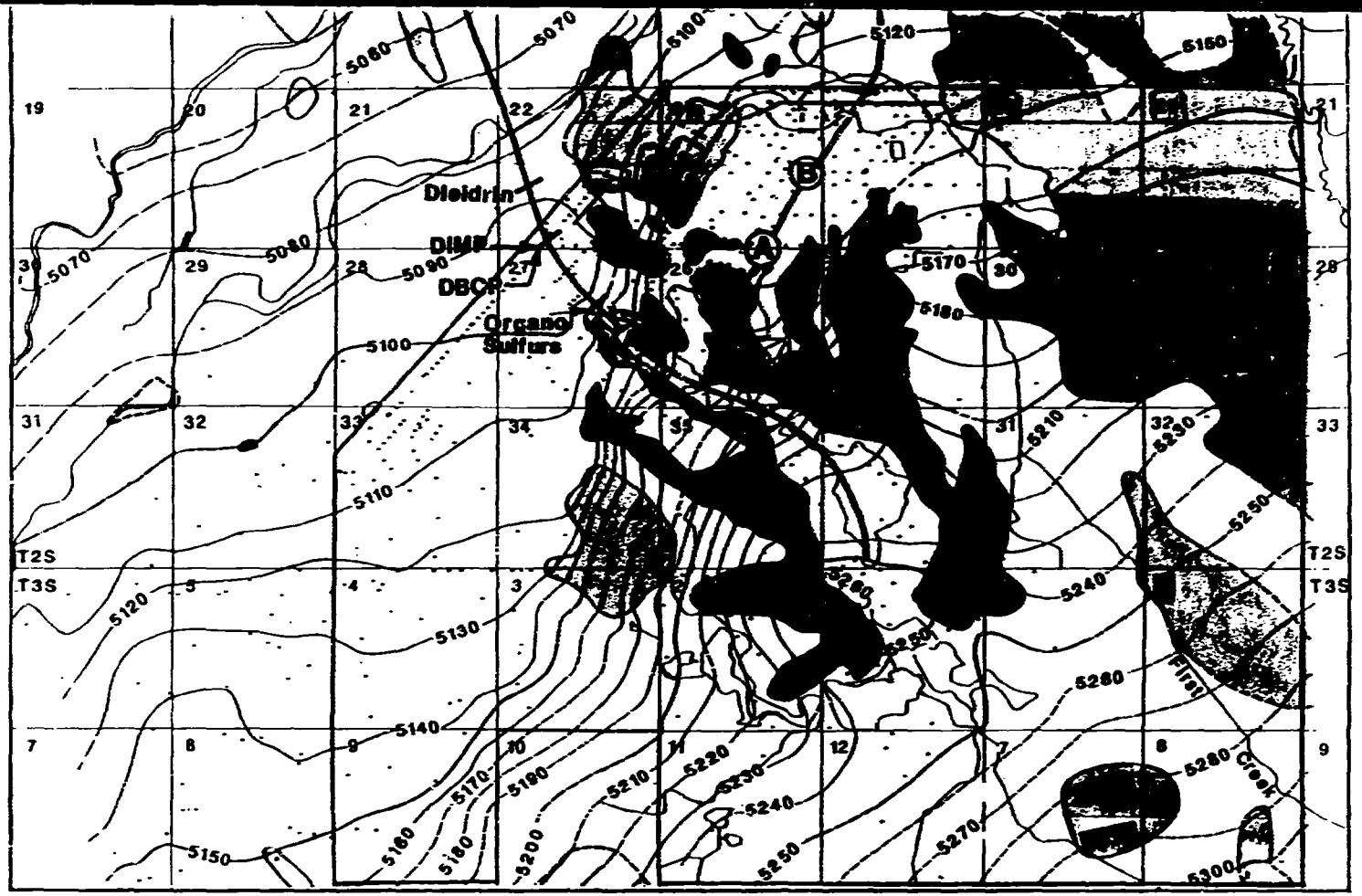

EXPLANATION

Contour Interval Equals 10 Feet
Elevations in Feet
Datum Mean Sea Level
Unsaturated Alluvium
Inferred Contour
Interpreted Contour
Migration Pathways
Ground-Water Travel Distance Over 30 Years Using
A Minimum K Value
B Best Estimate K Value
C Maximum K Value
Apparent Plume Extent

Figure E-1

CONTAMINANT MIGRATION DISTANCES IN SELECTED PATHWAYS

SOURCE: HLA, 1988

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