

# **US Army Corps of Engineers**

Toxic and Hazardous  
Materials Agency

**FORT GEORGE G. MEADE  
ORDNANCE SURVEY (1400 ACRE PARCEL)**

**INTERIM REPORT No. 1  
TIPTON ARMY AIRFIELD AREA**

PREPARED FOR:

**US ARMY CORPS OF ENGINEERS  
TOXIC AND HAZARDOUS MATERIALS AGENCY  
ABERDEEN PROVING GROUNDS,  
MARYLAND, 21010**

**CONTRACT No. DAAA15-91-D-0015**

**DELIVERY ORDER No. 0001**

PREPARED BY:



**INTERNATIONAL  
TECHNOLOGY  
CORPORATION**

165 Fieldcrest Avenue  
Edison, New Jersey

**Distribution Unlimited,  
approved for Public Release**

**IT PROJECT No. 529496**

**NOVEMBER 1992**

**INCLUDING APRIL 1993 SUPPLEMENT**



April 29, 1993

Project No. 529496

Mr. Scott Hill  
Base Closure Division  
U.S. Army Environmental Center  
ENAEBC-BC-B  
Bldg. No. E4480, Edgewood Area  
Aberdeen Proving Ground, MD 21010-5401

Contract No. DAA15-91-D-0015  
Delivery Order No. 1  
Fort George G. Meade UXO Survey  
Supplement #1 to Interim Report #1  
Tipton Army Airfield Area

Dear Mr. Hill:

Enclosed for your review are six copies of Supplement #1 to Interim Report #1 documenting the results of the unexploded ordnance (UXO) survey of the B-1 subarea of the Tipton Army Airfield Area (TAAF) of Fort George G. Meade.

Enclosure (1) contains an instruction page followed by the supplemental pages to insert into the existing Interim Report #1. The Letter Report Supplemental to Interim Report #1, discussing the findings of the UXO survey, can be updated by inserting a copy of this letter into the front of the existing Letter Report.

The 100 percent surface and 10 percent subsurface UXO survey at the B-1 subarea has been completed. QA/QC has been conducted and results are satisfactory. The results of the B-1 subarea survey are discussed below.

**Subarea B-1**

Subarea B-1 is situated at the northwest end of the TAAF parcel. Approximately half of subarea B-1 is used as athletic playing fields and half is heavily wooded. The wooded area borders subarea B-2 and is separated from subarea B-2 by the Little Patuxent River. A high concentration of 2.36 inch rockets was located in the southern most portion of subarea B-1 and appears to be part of the 2.36 inch rocket target area that was identified across the Little Patuxent River in subarea B-2. This southern area contained three UXO between 7 inches and 24 inches in depth, a high concentration of non-hazardous ordnance related items. (Map #3).

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Mr. Scott Hill

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Project No. 529496


All UXO located and identified were removed from the surface to a depth of six inches. But, it is likely that some UXO remain below the six-inch level, in the southern portion of the subarea. Although the surface and near-surface of this subarea can now be considered to be free of UXO, it must be noted that any subsurface UXO will tend to migrate toward the surface, at an estimated rate of one inch per year, due to the action of frost heaving. Therefore, the heavily wooded southern portion of subarea B-1 should receive additional subsurface UXO survey prior to conducting excavation work there.

2.36 inch rockets were also observed in the Little Patuxent River. The river was not surveyed but it now appears certain that this area was used as a 2.36 inch rocket target area and heavy concentrations of 2.36 inch rockets were located on both sides of the river in the southern end of subarea B-1. Complete removal of UXO hazards from this area will require that the river be surveyed for UXO.

If you have any questions regarding the above information, please feel free to contact me at (908) 225-2000.

Respectfully Submitted,

IT CORPORATION



Jim Pastorick  
Project Manager

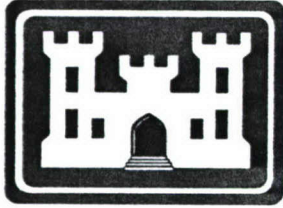
JP:lh

Enclosure

## ENCLOSURE 1

### INSTRUCTIONS FOR ENTERING SUPPLEMENT PAGES TO INTERIM REPORT #1 TO THE FORT GEORGE G. MEADE ORDNANCE SURVEY

1. Remove and discard the original title page. Insert the revised title page supplied in this enclosure.
2. Insert the new data into Appendix A, "Detailed Data Report", immediately following the Appendix A cover page. This new data consists of 11 pages marked 1a through 1k.
3. Remove and discard the original Figure 3 in Appendix B. Insert the revised Figure 3 immediately followed by the new data for subarea B-1 consisting of the following:
  - The subarea B-1 cover sheet
  - The one-page (front and back) subarea information summary
  - The four subarea maps consisting of Figures B-1-1, B-1-2, B-1-3, and B-1-4.
4. Insert Table "Seismic Data for the Tipton Army Air Field Fort George G. Meade, MD, (Page 1A)" in Appendix C immediately following the Appendix C cover page and immediately before Page 1. Insert remainder of graphic seismic data immediately following Page 2.
5. Replace the front and side covers with the ones provided.
6. Discard this page.



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Toxic and Hazardous  
Materials Agency

**FORT GEORGE G. MEADE  
ORDNANCE SURVEY (1400 ACRE PARCEL)**

**INTERIM REPORT No. 1  
TIPTON ARMY AIRFIELD AREA**

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ABERDEEN PROVING GROUNDS,  
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**CONTRACT No. DAAA15-91-D-0015**

**DELIVERY ORDER No. 0001**

PREPARED BY:



165 Fieldcrest Avenue  
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**IT PROJECT No. 529496  
NOVEMBER 1992  
INCLUDING APRIL 1993 SUPPLEMENT**

PAI-ASI Sector Detailed Data Report  
 Identification / Location of Ordnance  
 Fort George G. Meade, MD

ID	Category	Type	Fuse	Filler	Status	Rmrk	Trait	Latitude	Longitude
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Area: B Sector: 01 Team: 01									
00874	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.090191	-76.770982
00875	Grenade	M9 rifle g	IMINT	HE	Blown in		1"-6"	39.089839	-76.770257
00876	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.090788	-76.769021
00877	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089743	-76.771158
00878	Project	Bazooka pr		HE	Blown in		1"-6"	39.089734	-76.771150
00879	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089721	-76.771138
00880	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089461	-76.770426
00881	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089454	-76.770474
00882	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089423	-76.770405
00883	Grenade	M9 rifle g	IMINT	HE	Blown in		1"-6"	39.089429	-76.770638
00884	Project	Bazooka pr		HE	Blown in		1"-6"	39.089125	-76.770186
00885	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089143	-76.770152
00886	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089140	-76.770162
00887	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089090	-76.770151
00888	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089072	-76.770121
00889	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089066	-76.770133
00890	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089029	-76.770112
00891	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089006	-76.770125
00892	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088991	-76.770122
00893	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088965	-76.770142
00894	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088968	-76.770082
00895	Project	Bazooka pr		HE	Blown in		1"-6"	39.088883	-76.770008
00896	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088873	-76.769991
00897	Project	Bazooka pr		HE	Blown in		1"-6"	39.088763	-76.769946
00898	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088818	-76.769952
00899	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088711	-76.769952
00900	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088725	-76.769956
00901	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088742	-76.769954
00902	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088750	-76.769996
00903	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088833	-76.769929
00904	Project	Bazooka pr		HE	Blown in		1"-6"	39.088610	-76.769926
00905	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088532	-76.769960
00906	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088724	-76.769949
00907	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088654	-76.769932
00908	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088493	-76.769894
00909	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088593	-76.769845
00910	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088604	-76.769855
00911	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088616	-76.769858
00912	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088632	-76.769826
00913	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088688	-76.769968
00914	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088674	-76.769802
00915	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088691	-76.769754
00916	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088693	-76.769732
00917	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088610	-76.769648
00918	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088627	-76.769631
00919	Project	Bazooka pr		HE	Blown in		1"-6"	39.088647	-76.769606
00920	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088617	-76.769667
00921	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088611	-76.769718
00922	Project	Bazooka pr		HE	Blown in		1"-6"	39.089708	-76.769405
00923	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088641	-76.769559
00924	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088630	-76.769549
00925	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088631	-76.769578
00926	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088618	-76.769594
00927	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088637	-76.769640
00928	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088665	-76.769553
00929	Project	Bazooka pr		HE	Blown in		1"-6"	39.088774	-76.769679
00930	Grenade	M2 frag gr		HE	Blown in		1"-6"	39.088802	-76.769640

PAI-ASI Sector Detailed Data Report  
 Identification / Location of Ordnance  
 Fort George G. Meade, MD

ID	Category	Type	Fuse	Filler	Status	Rmrk	Trait	Latitude	Longitude
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
00931	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088813	-76.769680
00932	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088796	-76.769700
00933	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088838	-76.769804
00934	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088838	-76.769804
00935	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088838	-76.769804
00936	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088838	-76.769804
00937	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088933	-76.769605
00938	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088933	-76.769605
00939	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088933	-76.769605
00940	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088933	-76.769605
00941	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088933	-76.769605
00942	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088790	-76.769588
00943	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088790	-76.769588
00944	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088790	-76.769588
00945	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088790	-76.769588
00946	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088776	-76.769529
00947	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088776	-76.769529
00948	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088776	-76.769529
00949	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088776	-76.769529
00950	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088776	-76.769529
00951	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088819	-76.769399
00952	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088819	-76.769399
00953	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088819	-76.769399
00954	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088819	-76.769399
00955	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088819	-76.769399
00956	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088819	-76.769399
00957	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088966	-76.769567
00958	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088966	-76.769567
00959	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088966	-76.769567
00960	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088966	-76.769567
00961	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088966	-76.769567
00962	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088957	-76.769618
00963	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088957	-76.769618
00964	Grenade	M9 rifle g	IMINT	HE	Blown in		1"-6"	39.088957	-76.769618
00965	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088957	-76.769618
00966	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088957	-76.769618
00967	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088957	-76.769618
00968	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089012	-76.769517
00969	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089012	-76.769517
00970	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089012	-76.769517
00971	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089012	-76.769517
00972	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088963	-76.769402
00973	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088963	-76.769402
00974	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088963	-76.769402
00975	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088963	-76.769402
00976	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088963	-76.769402
00977	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088963	-76.769402
00978	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088963	-76.769402
00979	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088963	-76.769402
00980	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.088963	-76.769402
00981	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089053	-76.769299
00982	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089053	-76.769299
00983	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089053	-76.769299
00984	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089053	-76.769299
00985	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089053	-76.769299
00986	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089053	-76.769299
00987	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089053	-76.769299
00988	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089053	-76.769299
00989	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089053	-76.769299







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 Identification / Location of Ordnance  
 Fort George G. Meade, MD

ID	Category	Type	Fuse	Filler	Status	Rmrk	Trait	Latitude	Longitude
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
01108	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01109	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01110	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01111	Project	Bazooka	pr	HE	HE	Blown in	1"-6"	39.089104	-76.769175
01112	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01113	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01114	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01115	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01116	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01117	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01118	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01119	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01120	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089104	-76.769175
01121	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089238	-76.768977
01122	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089173	-76.768990
01123	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089156	-76.768977
01124	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089159	-76.768993
01125	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089217	-76.768940
01126	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089192	-76.768947
01127	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089191	-76.768974
01128	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089167	-76.768971
01129	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089161	-76.768974
01130	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089158	-76.768951
01131	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089184	-76.768917
01132	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089200	-76.768908
01133	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089180	-76.768897
01134	Project	Bazooka	pr	HE	HE	Blown in	1"-6"	39.089159	-76.769008
01135	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089191	-76.768869
01136	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089178	-76.768867
01137	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089152	-76.768859
01138	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089133	-76.768868
01139	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089121	-76.768855
01140	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089112	-76.768925
01141	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089111	-76.768917
01142	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089116	-76.768870
01143	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089107	-76.768862
01144	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089105	-76.768865
01145	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089103	-76.768885
01146	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089095	-76.768881
01147	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089073	-76.768964
01148	Project	Bazooka	pr	HE	HE	Blown in	1"-6"	39.089270	-76.769123
01149	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089275	-76.769124
01150	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089265	-76.769139
01151	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089266	-76.769151
01152	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089267	-76.769162
01153	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089271	-76.769158
01154	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089269	-76.769169
01155	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089281	-76.769174
01156	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089286	-76.769164
01157	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089284	-76.769158
01158	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089367	-76.769348
01159	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089286	-76.769156
01160	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089286	-76.769160
01161	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089285	-76.769157
01162	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089268	-76.769179
01163	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089258	-76.769181
01164	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089299	-76.769144
01165	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089304	-76.769145
01166	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089311	-76.769129

PAI-ASI Sector Detailed Data Report  
 Identification / Location of Ordnance  
 Fort George G. Meade, MD

ID	Category	Type	Fuse	Filler	Status	Rmrk	Trait	Latitude	Longitude
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
01167	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089311	-76.769103
01168	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089334	-76.769103
01169	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089341	-76.769062
01170	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089344	-76.769086
01171	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089355	-76.769094
01172	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089357	-76.769109
01173	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089352	-76.769132
01174	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089358	-76.769125
01175	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089319	-76.769134
01176	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089326	-76.769142
01177	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089322	-76.769154
01178	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089324	-76.769157
01179	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089317	-76.769153
01180	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089315	-76.769170
01181	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089313	-76.769187
01182	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089299	-76.769195
01183	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089321	-76.769197
01184	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089330	-76.769185
01185	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089365	-76.769138
01186	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089361	-76.769150
01187	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089360	-76.769154
01188	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089353	-76.769160
01189	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089350	-76.769171
01190	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089351	-76.769176
01191	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089349	-76.769205
01192	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089343	-76.769214
01193	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089323	-76.769213
01194	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089359	-76.769186
01195	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089362	-76.769186
01196	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089373	-76.769146
01197	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089376	-76.769140
01198	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089385	-76.769138
01199	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089399	-76.769132
01200	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089401	-76.769144
01201	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089402	-76.769123
01202	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089405	-76.769129
01203	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089413	-76.769113
01204	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089410	-76.769132
01205	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089424	-76.769120
01206	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089426	-76.769144
01207	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089431	-76.769148
01208	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089432	-76.769134
01209	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089408	-76.769154
01210	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089390	-76.769173
01211	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089386	-76.769186
01212	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089391	-76.769199
01213	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089406	-76.769190
01214	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089400	-76.769180
01215	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089396	-76.769172
01216	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089433	-76.769187
01217	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089424	-76.769207
01218	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089286	-76.768939
01219	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089331	-76.768377
01220	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089324	-76.768943
01221	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089335	-76.768928
01222	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089365	-76.768951
01223	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089374	-76.768990
01224	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089374	-76.768997
01225	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089402	-76.768968

PAI-ASI Sector Detailed Data Report  
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 Fort George G. Meade, MD

ID	Category	Type	Fuse	Filler	Status	Rmrk	Trait	Latitude	Longitude
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
01226	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089414	-76.768962
01227	Project	Bazooka pr		HE	Blown in		1"-6"	39.089432	-76.768975
01228	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089417	-76.768960
01229	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089372	-76.769062
01230	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089412	-76.769008
01231	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089413	-76.769015
01232	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089387	-76.768994
01233	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089393	-76.769018
01234	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089397	-76.769054
01235	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089365	-76.769037
01236	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089375	-76.769038
01237	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089374	-76.769069
01238	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089367	-76.769072
01239	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089376	-76.769063
01240	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089367	-76.769068
01241	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089369	-76.769070
01242	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089380	-76.769052
01243	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089388	-76.769052
01244	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089372	-76.769081
01245	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089386	-76.769098
01246	Project	Bazooka pr	IMINT	WP	Blown in		1"-6"	39.089392	-76.769096
01247	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089402	-76.769104
01248	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089417	-76.769095
01249	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089412	-76.769075
01250	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089404	-76.769049
01251	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089403	-76.769061
01252	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089413	-76.769062
01253	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089442	-76.768850
01254	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089424	-76.769054
01255	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089427	-76.769050
01256	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089440	-76.769048
01257	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089485	-76.769042
01258	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089463	-76.769081
01259	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089455	-76.769114
01260	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089451	-76.769104
01261	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089448	-76.769090
01262	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089448	-76.769084
01263	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089440	-76.769099
01264	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089430	-76.769068
01265	Project	Bazooka pr		HE	Blown in		1"-6"	39.089299	-76.768874
01266	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089277	-76.768873
01267	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089327	-76.768893
01268	Project	Bazooka pr		HE	Blown in		1"-6"	39.089341	-76.768919
01269	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089357	-76.768944
01270	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089352	-76.768913
01271	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089361	-76.768881
01272	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089347	-76.768880
01273	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089336	-76.768873
01274	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089338	-76.768848
01275	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089350	-76.768851
01276	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089356	-76.768835
01277	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089346	-76.768821
01278	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089347	-76.768814
01279	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089371	-76.768829
01280	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089403	-76.768817
01281	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089370	-76.768774
01282	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089390	-76.768775
01283	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089407	-76.768766
01284	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089351	-76.768788

PAI-ASI Sector Detailed Data Report  
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 Fort George G. Meade, MD

ID	Category	Type	Fuse	Filler	Status	Rmrk	Trait	Latitude	Longitude
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
01285	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089375	-76.768716
01286	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089433	-76.768786
01287	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089437	-76.768759
01288	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089409	-76.768714
01289	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089484	-76.768647
01290	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089478	-76.768635
01291	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089516	-76.768683
01292	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089538	-76.768695
01293	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089538	-76.768713
01294	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089372	-76.768918
01295	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089368	-76.768868
01296	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089389	-76.768866
01297	Project	Bazooka	pr		HE	Blown in	1"-6"	39.089376	-76.768858
01298	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089384	-76.768854
01299	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089382	-76.768850
01300	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089387	-76.768848
01301	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089386	-76.768835
01302	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089393	-76.768846
01303	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089415	-76.768862
01304	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089388	-76.768817
01305	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089430	-76.768853
01306	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089442	-76.768828
01307	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089448	-76.768834
01308	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089444	-76.768817
01309	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089445	-76.768821
01310	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089461	-76.768820
01311	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089454	-76.768799
01312	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089457	-76.768791
01313	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089448	-76.768776
01314	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089368	-76.768933
01315	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089390	-76.768934
01316	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089395	-76.768927
01317	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089399	-76.768936
01318	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089407	-76.768928
01319	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089408	-76.768917
01320	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089401	-76.768905
01321	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089395	-76.768891
01322	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089418	-76.768936
01323	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089429	-76.768929
01324	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089419	-76.768896
01325	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089419	-76.768884
01326	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089435	-76.768909
01327	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089435	-76.768891
01328	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089438	-76.768879
01329	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089450	-76.768913
01330	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089456	-76.768920
01331	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089460	-76.768888
01332	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089472	-76.768875
01333	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089501	-76.768905
01334	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089429	-76.768887
01335	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089434	-76.768952
01336	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089450	-76.768965
01337	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089453	-76.768954
01338	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089456	-76.768950
01339	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089453	-76.768950
01340	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089459	-76.768935
01341	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089467	-76.768955
01342	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089472	-76.768964
01343	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089472	-76.768985

PAI-ASI Sector Detailed Data Report  
 Identification / Location of Ordnance  
 Fort George G. Meade, MD

ID	Category	Type	Fuse	Filler	Status	Rmrk	Trait	Latitude	Longitude
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
01344	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089478	-76.768982
01345	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089507	-76.768974
01346	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089510	-76.768995
01347	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.088865	-76.769408
01348	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.088848	-76.769393
01349	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089292	-76.769393
01350	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089186	-76.768940
01351	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089193	-76.768935
01352	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089202	-76.768933
01353	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089224	-76.768943
01354	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089217	-76.768896
01355	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089216	-76.768894
01356	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089211	-76.768890
01357	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089205	-76.768893
01358	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089216	-76.768881
01359	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089211	-76.768877
01360	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089215	-76.768872
01361	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089226	-76.768860
01362	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089231	-76.768835
01363	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089247	-76.768828
01364	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089245	-76.768793
01365	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089244	-76.768780
01366	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089271	-76.768815
01367	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089272	-76.768794
01368	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089275	-76.768788
01369	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089279	-76.768783
01370	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089316	-76.768773
01371	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089298	-76.768762
01372	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089287	-76.768747
01373	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089284	-76.768761
01374	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089272	-76.768756
01375	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089288	-76.768753
01376	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089301	-76.768721
01377	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089318	-76.768715
01378	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089332	-76.768725
01379	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089327	-76.768701
01380	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089338	-76.768699
01381	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089359	-76.768676
01382	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089177	-76.768922
01383	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089179	-76.768899
01384	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089165	-76.768899
01385	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089183	-76.768863
01386	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089198	-76.768861
01387	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089190	-76.768831
01388	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089201	-76.768815
01389	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089209	-76.768802
01390	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089217	-76.768819
01391	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089220	-76.768799
01392	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089200	-76.768740
01393	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089215	-76.768732
01394	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089235	-76.768735
01395	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089227	-76.768714
01396	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089250	-76.768700
01397	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089241	-76.768675
01398	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089277	-76.768529
01399	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089151	-76.768860
01400	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089146	-76.768813
01401	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089162	-76.768806
01402	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089165	-76.768773

PAI-ASI Sector Detailed Data Report  
 Identification / Location of Ordnance  
 Fort George G. Meade, MD

ID	Category	Type	Fuse	Filler	Status	Rmrk	Trait	Latitude	Longitude
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
01403	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089129	-76.768749
01404	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089159	-76.768761
01405	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089175	-76.768706
01406	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089151	-76.768792
01407	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089127	-76.768834
01408	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089123	-76.768843
01409	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089127	-76.768847
01410	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089105	-76.768876
01411	Grenade	M9 rifle g	IMINT	HE	Blown in		1"-6"	39.089927	-76.768396
01412	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089959	-76.768462
01413	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089927	-76.768491
01414	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089913	-76.768430
01415	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089961	-76.768383
01416	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089993	-76.768370
01417	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.090084	-76.768396
01418	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.090057	-76.768351
01419	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089994	-76.768263
01420	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089977	-76.768275
01421	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.090118	-76.768344
01422	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089937	-76.768356
01423	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089920	-76.768347
01424	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089902	-76.768321
01425	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089844	-76.768351
01426	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.090086	-76.768462
01427	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.090086	-76.768462
01428	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.090086	-76.768462
01429	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.090086	-76.768462
01430	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089661	-76.768144
01431	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089661	-76.768144
01432	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089661	-76.768144
01433	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089661	-76.768144
01434	Project	Bazooka pr		HE	Blown in		1"-6"	39.089661	-76.768144
01435	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089764	-76.767209
01436	Project	Bazooka pr	IMINT	HE	Blown in		7"-24"	39.089542	-76.769304
01437	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089122	-76.769342
01438	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089122	-76.769342
01439	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089122	-76.769342
01440	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089223	-76.769024
01441	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089151	-76.768846
01442	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089146	-76.768863
01443	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089223	-76.769024
01444	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089223	-76.768976
01445	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089223	-76.769024
01446	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089338	-76.769125
01447	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089338	-76.769125
01448	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089338	-76.769125
01449	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089338	-76.769125
01450	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089338	-76.769125
01451	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089542	-76.769304
01452	Project	Bazooka pr	IMINT	HE	Blown in		7"-24"	39.089019	-76.769376
01453	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089081	-76.769480
01454	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089056	-76.769393
01455	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089116	-76.769408
01456	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089138	-76.769379
01457	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089152	-76.769360
01458	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089185	-76.769435
01459	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089077	-76.769280
01460	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089262	-76.769358
01461	Project	Bazooka pr	IMINT	HE	Blown in		1"-6"	39.089260	-76.769295

PAI-ASI Sector Detailed Data Report  
 Identification / Location of Ordnance  
 Fort George G. Meade, MD

ID	Category	Type	Fuse	Filler	Status	Rmrk	Trait	Latitude	Longitude
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
01462	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089337	-76.769268
01463	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089401	-76.769246
01464	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089411	-76.769565
01465	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089214	-76.769265
01466	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089251	-76.769199
01467	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089265	-76.769194
01468	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089339	-76.769316
01469	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089332	-76.769324
01470	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089368	-76.769289
01471	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089210	-76.769085
01472	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089129	-76.769065
01473	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089062	-76.769095
01474	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089105	-76.769037
01475	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089116	-76.769017
01476	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089102	-76.769016
01477	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089415	-76.769194
01478	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089371	-76.769083
01479	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089389	-76.769060
01480	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089393	-76.769037
01481	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089401	-76.768980
01482	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089350	-76.769056
01483	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089371	-76.768940
01484	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089345	-76.768960
01485	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089349	-76.768868
01486	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089329	-76.768988
01487	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089332	-76.768988
01488	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089311	-76.768977
01489	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089310	-76.768971
01490	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089310	-76.768967
01491	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089306	-76.768950
01492	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089642	-76.768082
01493	Project	Bazooka	pr	IMINT	HE	Blown in	7"-24"	39.089268	-76.768892
01494	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089288	-76.769041
01495	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089281	-76.769035
01496	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089264	-76.769016
01497	Project	Bazooka	pr	IMINT	HE	Blown in	1"-6"	39.089669	-76.768263
01507	Project	Bazooka	pr		HE	Blown in	Surfac	39.089019	-76.769538
01508	Project	Bazooka	pr		HE	Blown in	Surfac	39.089019	-76.769538
01509	Project	Bazooka	pr		HE	Blown in	Surfac	39.089019	-76.769538
01510	Project	Bazooka	pr		HE	Blown in	Surfac	39.089019	-76.769538
01511	Project	Bazooka	pr		HE	Blown in	Surfac	39.089019	-76.769538
01512	Project	Bazooka	pr		HE	Blown in	Surfac	39.089019	-76.769538
01513	Project	Bazooka	pr		HE	Blown in	Surfac	39.089019	-76.769538
01514	Project	Bazooka	pr		HE	Blown in	Surfac	39.089019	-76.769538
01515	Project	Bazooka	pr		HE	Blown in	Surfac	39.089019	-76.769538

Total for Ordnance Count: 633



# UNEXPLODED ORDNANCE (UXO) LOCATIONS

UXB INTERNATIONAL, INC. CHANTILLY, VA 2021  
14800 Conference Center Drive, Suite 100  
(703) 803-8904

UXO Survey & GPS Mapping Productions  
Ft. Meade, MD (Triplex Army Airfield)  
from the

## ENVIRONMENT & SAFETY SYSTEM (ESS)

### PAI-ASI

PAI ADVANCED STUDIES, INC.  
4502 CARLBY LANE, ALEXANDRIA, VA 22309  
(703) 799-7231 (703) 968-3549

DATE: JUNE 1993

COMPILED BY: G.H. TURLEY

Subarea Boundary	N/A
Quality Assurance Lanes	N/A
Quality Assurance Points	N/A
UXO	X
UXO Sub-Surface 1" - 6"	N/A
UXO Sub-Surface 7" - 24"	N/A
UXO Sub-Surface 25" - 60"	N/A
High Concentration Areas of Ordnance Related Items Recovered	N/A
High Concentration with Count of Unidentified Contacts Deeper than 6"	N/A
Uncharacterized Sites and Special Areas	N/A
Wetlands	N/A
Historical Sites	N/A
Endangered Species Areas	N/A
Landfills	N/A
Impassable Areas	N/A
Wetlands	N/A
Debris	N/A
Vegetation	N/A

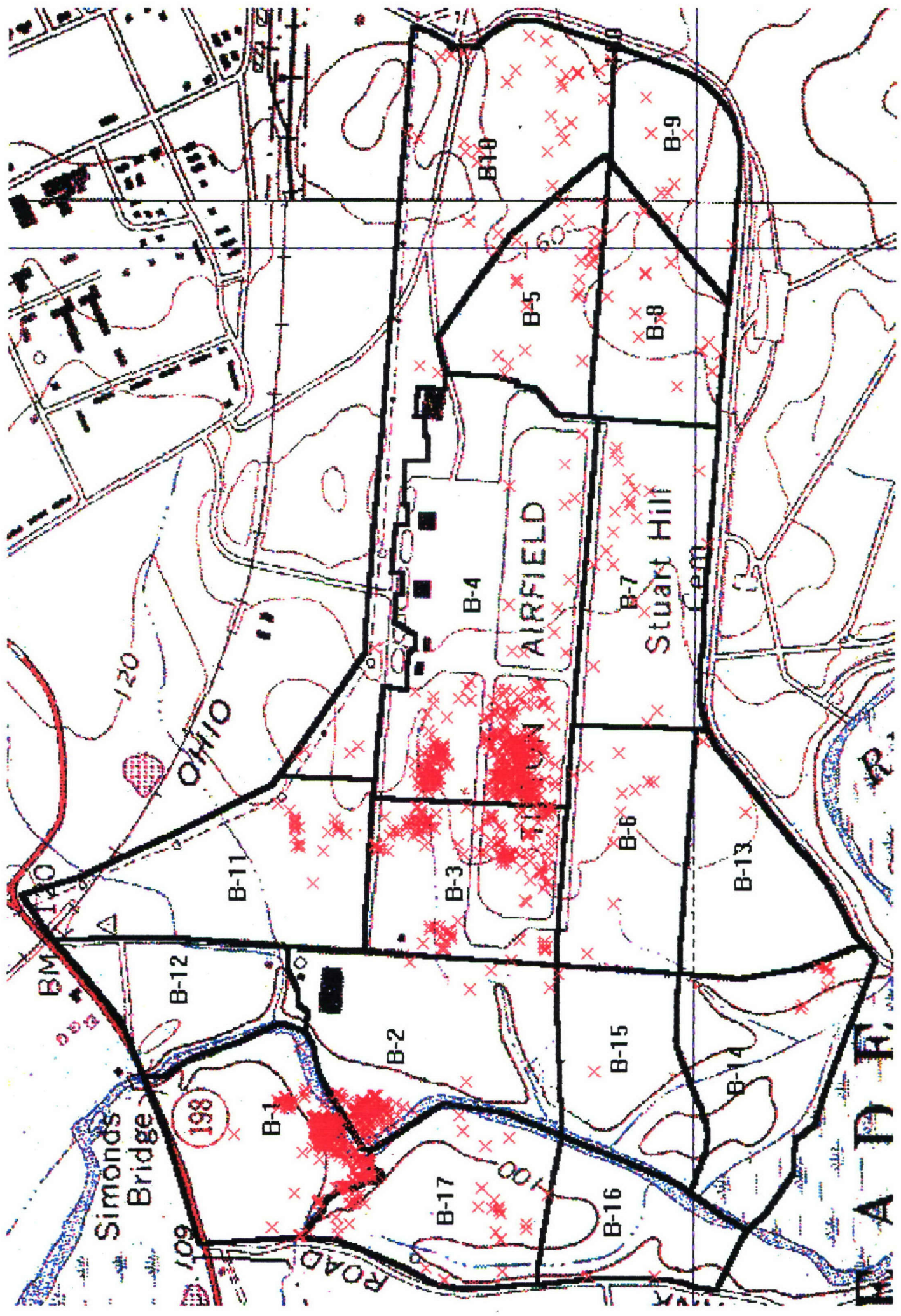
REVIEWED: *[Signature]* CHECKED: *[Signature]* APPROVED: *[Signature]*  
PROJECT MANAGER: J. PASTORICK



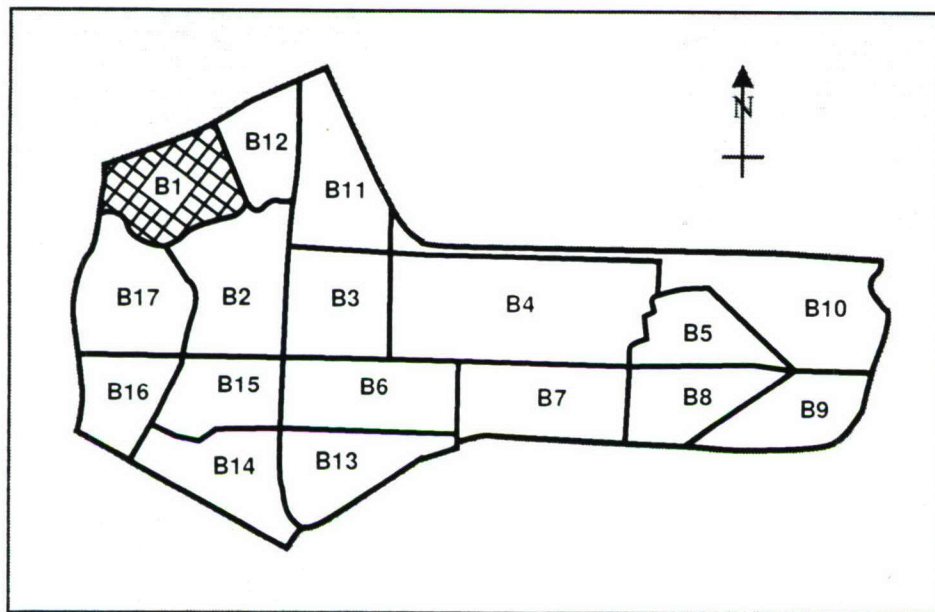
US ARMY  
ENVIRONMENTAL CENTER

FIGURE 3  
GLOBAL OVERVIEW OF UXO  
DISCOVERIES, FT MEADE, MD  
ZONE B

Prepared For:  
FORT GEORGE G. MEADE, MD  
UXO SURVEY OPERATION  
PROJECT No. 529496  
JUNE 1993



SUBAREA B-1  
ZONE B (TIPTON ARMY AIRFIELD)  
FORT GEORGE G. MEADE, MARYLAND



**Zone B Subareas**  
**Tipton Army Airfield, Ft. Meade, MD**



# Tipton Airfield

Zone B Sub-Area- B-1

Start Date: 11 / 30 / 92 Completion Date: 1 / 20 / 93

<u>Surface Survey:</u>	Total Acreage Surveyed: <u>22.81</u>
Live Ordnance Found on the Surface	<u>9</u>
Live Ordnance Items Found 1" to 6"	<u>607</u>
Ferrous Metal Contacts Excavated From Surface to 6"	<u>2450</u>
Metal Contacts Remaining Below 6"	<u>119</u>
Non-Ordnance Items Found Surface to 6"	<u>1483</u>

<u>10% Sub-Surface Survey:</u>	Total Acreage Surveyed: <u>2.62</u>
Live Ordnance Found 7" to 24"	<u>3</u>
Ferrous Metal Contacts Excavated 7" to 24"	<u>117</u>
Number of Mechanical Excavations	<u>0</u>
Live Ordnance Found by Mechanical Excavation	<u>0</u>

<u>10% Quality Control:</u>	Total Acreage Surveyed 0" to 6": <u>2.62</u>
Live Ordnance Found	<u>14</u>
Percentage Effectiveness 0" - 6" - 1st Evaluation	<u>97.8</u>
Percentage Effectiveness 0" - 6" After Re-evaluation (When Required)	<u>100%</u>
Quality Assurance Points 0" - 24"	<u>540</u>
Percentage Effectiveness 0" - 24"	<u>100%</u>

PAI-ASI  
GPS MAPPING AND UXO DATA COLLECTION  
ZONE C (ACTIVE LANDFILL) FORT MEADE, MARYLAND

SUBAREA: B-1

TOTAL ACREAGE: 26.30

TERRAIN DESCRIPTION: 90% OPEN GRASS AREA (ATHLETIC FIELDS)  
10% WOODED, ALONG RIVER BANKS

WETLANDS: YES, ONE: EASTERN AND SOUTHWESTERN  
BOUNDARIES JOIN ALONG LITTLE  
PATUXENT RIVER AND SMALL STREAM.

HISTORICAL SITES: NONE

ENDANGERED SPECIES: NONE

LANDFILLS: NONE

IMPASSABLE AREAS: NONE

UNCHARACTERIZED SITES: ONE

B-1-U-1 SEVERAL HUNDRED ROUNDS OF SMALL ARMS AMMUNITION.

SUMMARY OF UXO DISCOVERIES, TYPE, QUANTITY and DEPTH LOCATED:

PROJECTILE:		DEPTH OF UXO	
BAZOOKA 2.36"	629	SURFACE:	9
GRENADE:		1" - 6"	621
RIFLE M-9	3	7" - 24"	3
FRAG M-2	1		
<b>TOTAL UXOs</b>	<b>633</b>		

**MAP #1. UNEXPLODED ORDNANCE (UXO) LOCATIONS & BOUNDARIES**

UXB INTERNATIONAL, INC. CHANTILLY, VA 22021  
14800 Conference Center Drive, Suite 100  
(703) 803-8904

UXO Survey & GPS Mapping Productions  
Fl. Meade, MD (Tipton Army Airfield)  
from the

**ENVIRONMENT & SAFETY SYSTEM (ESS)**

**PAI-ASI**

PAI ADVANCED STUDIES, INC.  
4502 CARLBY LANE, ALEXANDRIA, VA 22309  
(703) 360-5918 (703) 968-3549

DATE: JUNE 1993

COMPILED BY: G.H. TURLEY

- Subarea Boundary
- Subsurface Survey Lanes
- Quality Assurance Points
- UXO's Surface
- UXO's Subsurface 1" - 6"
- UXO's Subsurface 7" - 24"
- UXO's Subsurface 25" - 60"
- High Concentration Areas of Ordnance Items Recovered
- High Concentration of Unidentified Contacts Deeper than 6"
- Uncharacterized Sites and Special Areas
- Wetlands
- Historical Sites
- Endangered Species Areas
- Landfills
- Impassable Areas
- Wetlands
- Debris
- Vegetation

SCALE 1" = 170 FEET

*Checked by*  
*Original*

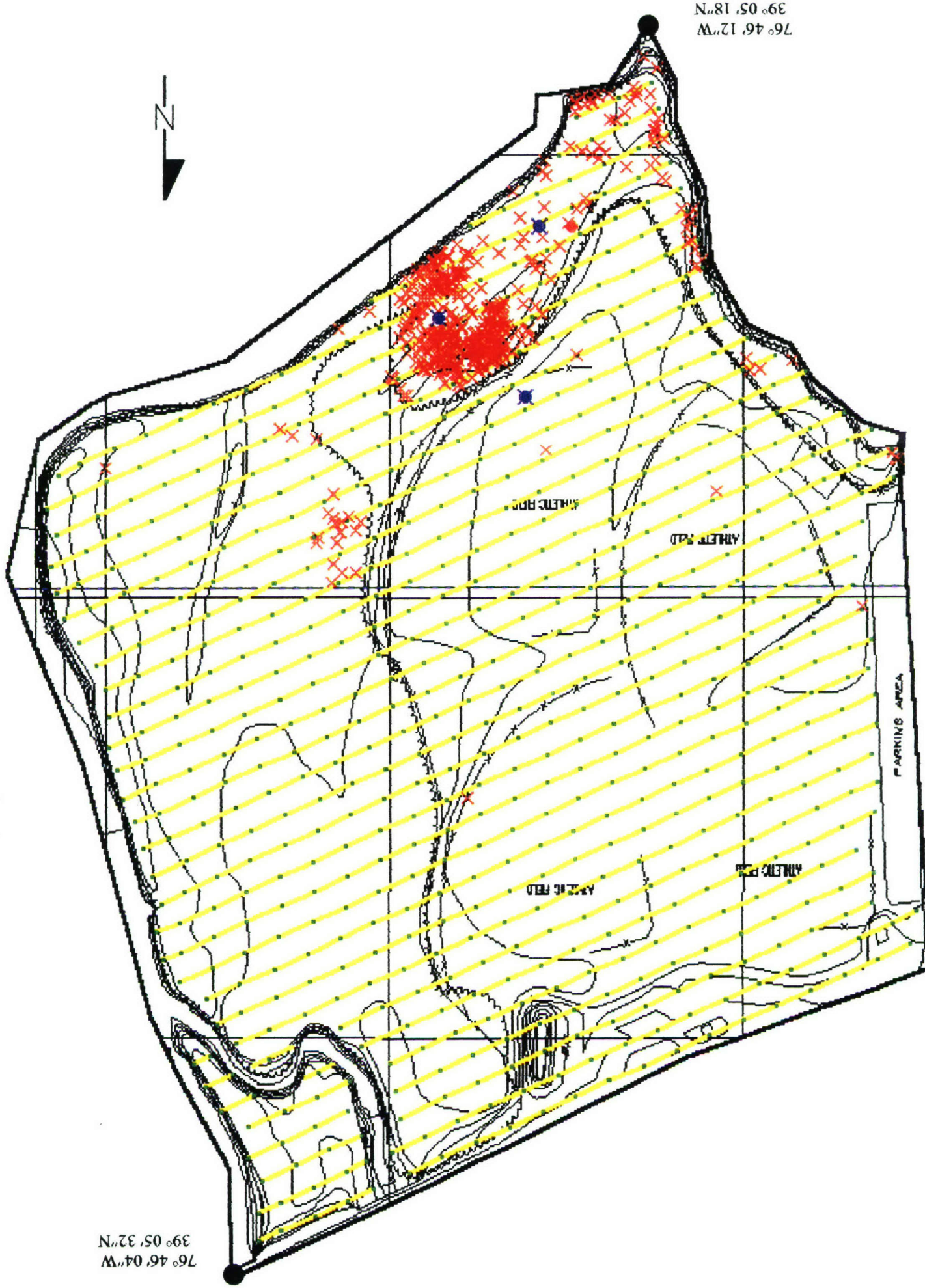
PROJECT MANAGER: J. PASTORICK



**FIGURE B-1-1**  
**ZONE B SUBAREA B-1 MAP 1**  
**UXO LOCATIONS, SUBSURFACE**  
**SURVEY LANES, Q.A. POINTS**

Prepared For:

FORT GEORGE G. MEADE, MD.  
UXO SURVEY OPERATION  
PROJECT No. 529496  
JUNE 1993





**MAP #3. HIGH CONCENTRATION AREAS WHERE ORDNANCE RELATED ITEMS WERE RECOVERED**

UXB INTERNATIONAL, INC. CHANTILLY, VA 22021  
14800 Conference Center Drive, Suite 100  
(703) 803-8904

UXO Survey & GPS Mapping Productions  
Ft. Meade, MD (Tipton Army Airfield)  
from the

**ENVIRONMENT & SAFETY SYSTEM (ESS)**

**PAI-ASI**

PAI ADVANCED STUDIES, INC.  
4502 CARLEY LANE, ALEXANDRIA, VA 22309  
(703) 360-5918 (703) 968-3549

DATE: JUNE 1993

COMPILED BY: G.H. TURLEY

- Subarea Boundary
- Subsurface Survey Lanes
- Quality Assurance Points
- UXO's Surface
- UXO's Subsurface 1" - 6"
- UXO's Subsurface 7" - 24"
- UXO's Subsurface 25" - 60"
- High Concentration Areas of Ordnance Items Recovered
- High Concentration of Unidentified Contacts Deeper than 6"
- Uncharacterized Sites and Special Areas
- U 1
- Wetlands
- Historical Sites
- Endangered Species Areas
- Landfills
- Impassable Areas
- Wetlands
- Debris
- Vegetation

SCALE 1" = 170 FEET

*Checked by*  
*GH/T*

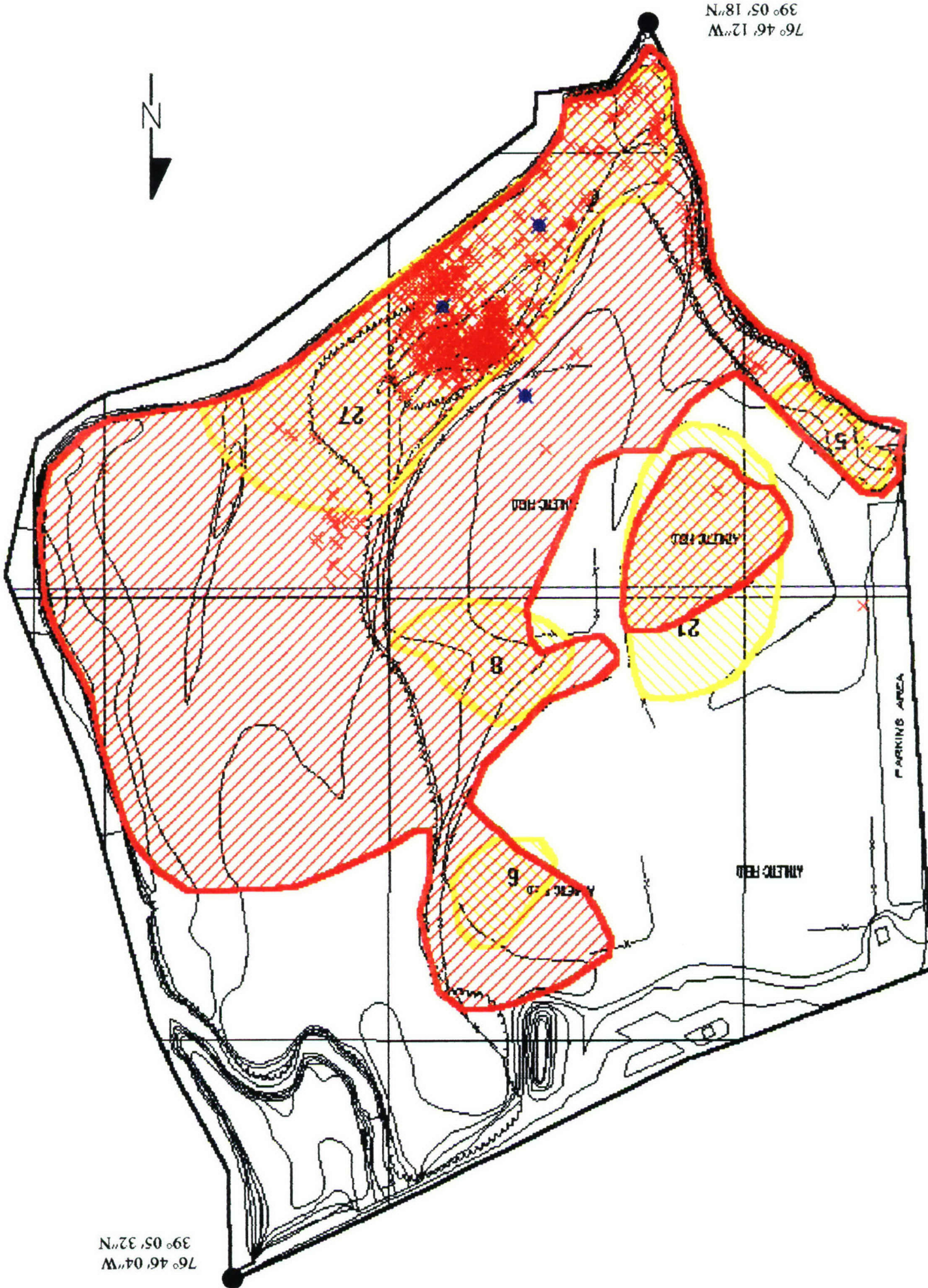
PROJECT MANAGER: J. PASTORICK



**FIGURE B-1-3  
ZONE B SUBAREA B-1 MAP 3  
CONCENTRATION AREAS WHERE ORDNANCE  
RELATED ITEMS WERE RECOVERED**

Prepared For:

FORT GEORGE G. MEADE, MD.  
UXO SURVEY OPERATION  
PROJECT No. 529496  
JUNE 1993



**MAP #4. UNCHARACTERIZED SITES and SPECIAL AREAS**

UXB INTERNATIONAL, INC. CHANTILLY, VA 22021  
14800 Conference Center Drive, Suite 100  
(703) 803-8504

UXO Survey & GPS Mapping Productions  
Ft. Meade, MD (Tipton Army Airfield)  
from the

**ENVIRONMENT & SAFETY SYSTEM (ESS)**

**PAI-ASI**

PAI ADVANCED STUDIES, INC.  
4502 CARLBY LANE, ALEXANDRIA, VA 22309  
(703) 360-5918 (703) 968-3549

DATE: JUNE 1993

COMPILED BY: G.H. TURLEY

- Subarea Boundary
- Subsurface Survey Lanes
- Quality Assurance Points
- UXO's Surface
- UXO's Subsurface 1" - 6"
- UXO's Subsurface 7" - 24"
- UXO's Subsurface 25" - 60"
- High Concentration Areas of Ordnance Items Recovered
- High Concentration of Unidentified Contacts Deeper than 6"
- Uncharacterized Sites and Special Areas U 1
- Wetlands
- Historical Sites
- Endangered Species Areas
- Landfills
- Impassable Areas
- Wetlands
- Debris
- Vegetation

SCALE 1" = 170 FEET

*Checked by:*  
*G. H. Turley*

PROJECT MANAGER: J. PASTORICK



FIGURE B-1-4  
ZONE B SUBAREA B-1 MAP 4  
UNCHARACTERIZED SITES and SPECIAL AREAS  
(ENVIRONMENTAL, ENDANGERED SPECIES  
HABITAT, WETLANDS, HISTORICAL SITES)

Prepared For:  
FORT GEORGE G. MEADE, MD.  
UXO SURVEY OPERATION  
PROJECT No. 529496  
JUNE 1993





**SEISMIC DATA FOR THE TIPTON ARMY AIRFIELD  
FORT GEORGE G. MEADE, MD  
( Page 1A )**

AREA	SECTOR	EVENT #	TIME	DATE	SERIAL #	LATITUDE	LONGITUDE	SOUND (db)	SEISMIC (in/sec)	N.E.W. (lbs)	O.C.
B	01	083	16:57	12/01/92	2066	-76.769384	39.089622	128	0.07	1.0	2.5
					2155	-76.770242	39.089457				
		088	14:00	12/15/92	2066	-76.769384	39.089622	142	0.11	37.5	12.5
					2155	-76.770242	39.089457				
		089	17:08	12/15/92	2066	-76.769384	39.089622	112	0.03	7.0	5.0
					2155	-76.770242	39.089457				
		090	17:19	12/15/92	2066	-76.769384	39.089622	142	0.13	35.5	12.5
					2155	-76.770242	39.089457				
		043	10:47	01/12/93	2066	-76.769384	39.089622	131	0.09	12.5	12.5
					2155	-76.770242	39.089457				
		098	11:47	01/12/93	2066	-76.769384	39.089622	129	0.07	12.5	12.5
					2155	-76.770242	39.089457				
		045	13:35	01/14/93	2066	-76.769384	39.089622	139	0.06	3.5	12.5
					2155	-76.770242	39.089457				
		099	14:36	01/14/93	2066	-76.769384	39.089622	141	0.07	3.5	12.5
					2155	-76.770242	39.089457				
		101	13:28	01/26/93	2066	-76.769384	39.089622	142	0.14	15.0	15.0
					2155	-76.770242	39.089457				

Note: N.E.W. = Net Explosive Weight; O.C. = Operational Charge

Project No. 529496/00302

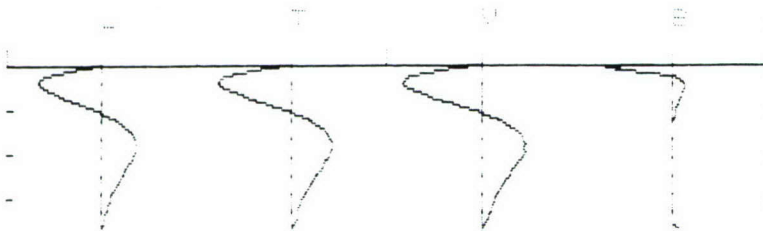
\*\* SAFEGUARD SEISMIC UNIT 2000DK \*\*

SN: 2066  
 DATE: 12/01/92 TIME: 16:57:30  
 Event: 057  
 Client: USATHMA  
 Operations: DEMO OPS  
 SSU Location: B 1/BALLFIELD  
 Distance to blast: 500  
 Operator: WINNINGHAM/IT CORP  
 Comments:  
 Trigger Level: 0.02 in/sec  
 Record Time: 5 secs

Summary

	L	T	V
PPV (in/sec)	0.07	0.04	0.05
PD (in x.001)	25.03	47.52	26.66
PP (g)	0.05	0.05	0.05
FREQ (hz)	21.7	8.1	11.3
RESULTANT PPV (in/sec)	0.07		
PEAK AIR PRESSURE: (db)	123		
(psi)	0.00754		

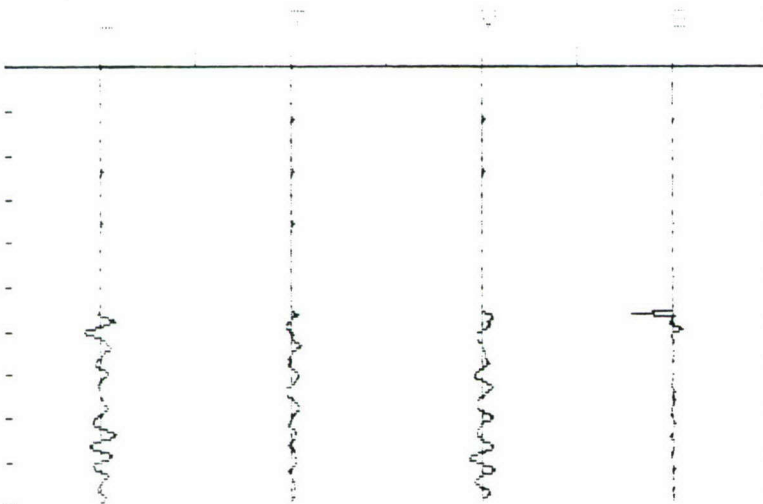
DYNAMIC CALIBRATION CHECK



SHAKETABLE CALIBRATED: 11/21/91

By: Seismic Inc.  
 800 779, HATTENSBLE, PA 15095 U.S.A.  
 TEL: 412.934.2700 FAX: 412.934.2887

Time Scale: 100 (milliseconds)  
 Data scale (displacement): 0.01 in/sec  
 Data scale (air): 0.012 (psi)



\*\* SAFEGUARD SEISMIC UNIT 2000DI \*\*

SN: 2066

DATE: 12/15/92 TIME: 14:00:55

Event: 089

Client: USATHMA

Operation: DEMO OPS

SSU Location: F 1 /BALLFIELD

Distance to blast: 500

Operator: WINNINGHAM/IT CORP

Comments: 2.3# RKT/12.5LBS

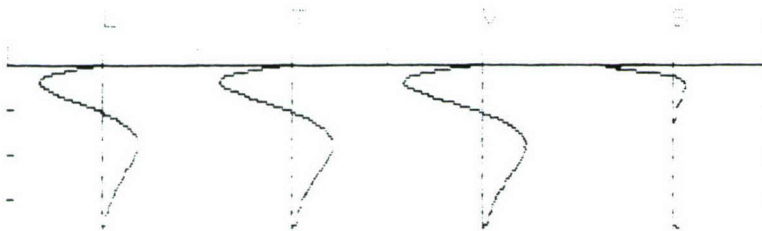
Trigger Level: 0.02 in/sec

Record Time: 5 secs

Summary

	L	T	V
PPV (in/sec):	0.09	0.05	0.05
PD (in x.001)	23.49	47.72	28.75
FPA (g)	0.15	0.05	0.10
FREQ (Hz)	18.5	11.1	6.5
RESULTANT PPV (in/sec):		0.11	
PEAK AIR PRESSURE: (db)		142	
(psi)		0.03654	

DYNAMIC CALIBRATION CHECK



SHAKETABLE CALIBRATED: 11/21/91

S. Saeberies Inc.

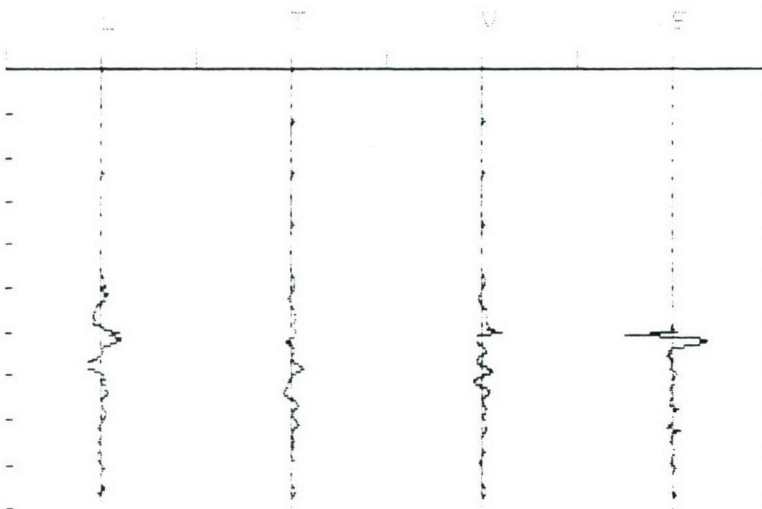
Box 779, Warrendale, PA 15095 U.S.A.

TEL: 412.934.2900 FAX: 412.934.3900

Time Scale: 100 (msec/div)

Data scale (seismic): 0.32 (in/sec)

Data scale (air): 0.036 (psi)



← SAFEGUARD SEISMIC UNIT 2000DI →

SN: 206c

DATE: 12/15/92 TIME: 17:08:11

Event: OPS

Client: USATHMA

Operation: DEMO OPS

SSU Location: B 1 /BALLFIELD

Distance to blast: 500

Operator: WINNINGHAM/IT CORP

Comments: 2.36 RKT/12.5LBS

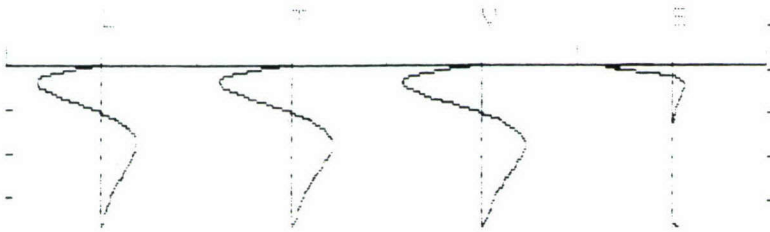
Trigger Level: 0.02 in/sec

Record Time: 5 secs

Summary

PPV (in/sec)	0.02	0.01	0.02
PD (in. x.001)	23.90	49.31	30.73
PPA (g)	0.05	0.00	0.05
FREQ (hz)	45.4	11.1	0.8
RESULTANT PPV (in/sec)		0.03	
PEAK AIR PRESSURE: (db)		112	
(psi)		0.00116	

DYNAMIC CALIBRATION CHECK



SHAKE-TABLE CALIBRATED: 11/21/91

By Geosonics Inc.

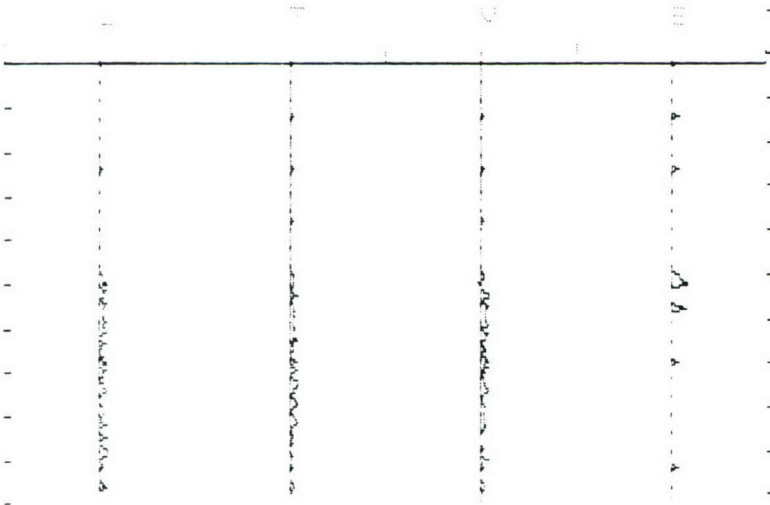
PO: 719, Warrandale, PA 15075 U.S.A.

TEL: 412.934.2900 FAX: 412.934.2999

Time Scale: 100 (msec/div)

Dist scale (seismic): 0.32 (in/div)

Data scale (air): 0.007 (psi)



SAFEGUARD SEISMIC UNIT 2000DR

SN: 2066

DATE: 12/15/92 TIME: 17:19:27

Event: 090

Client: USATHM4

Operation: DEMO OPE

SSU Location: E 1 /BALLFIELD

Distance to blast: 500

Operator: WINNINGHAM/IT CORP

Comments: 2.56 RKT/12.5LES

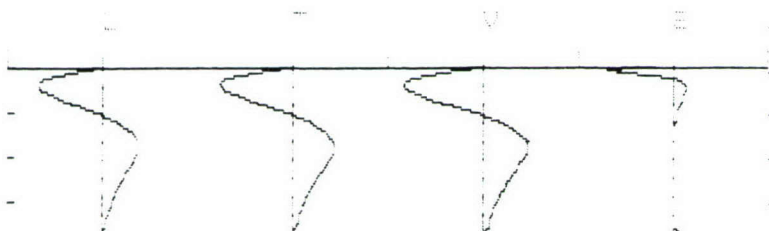
Trigger Level: 0.02 in/sec

Record Time: 5 secs

Summary

	L	T	V
PPV (in/sec)	0.10	0.05	0.10
PD (in x.001)	22.47	45.93	18.35
PPA (g)	0.05	0.05	0.20
FREQ (hz)	15.1	9.2	20.8
RESULTANT PPV (in/sec):		0.12	
PEAK AIR PRESSURE: (dd)		142	
(psi)		0.03712	

DYNAMIC CALIBRATION CHECK



SHAKETABLE CALIBRATED: 11/21/91

S. Geosonics Inc.

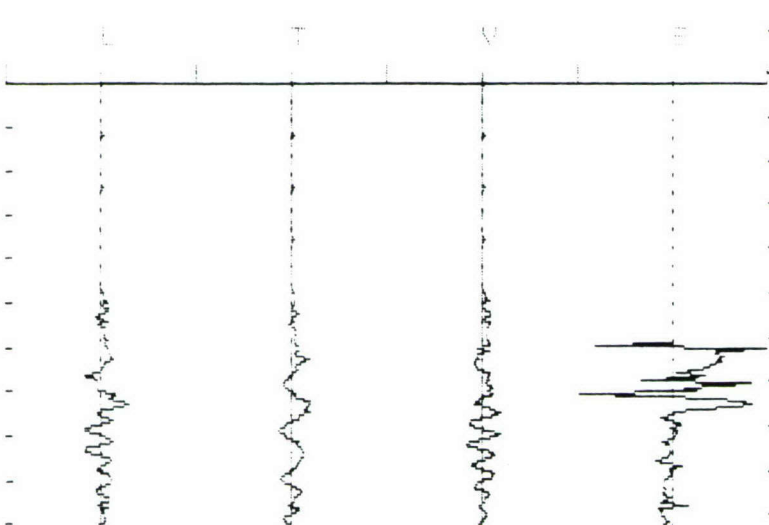
Box 779, Warrandale, PA 15095

TEL: 412.934.2900 FAX: 412.934.1000

Time Scale: 100 (msec/div)

Data scale (seismic): 0.32 (in/sec)

Data scale (air): 0.036 (psi)



\*\*\* SAFEGUARD SEISMIC UNIT 2003DR \*\*\*

SN: 2155

DATE: 01/10/93 TIME: 10:47:03

Event: 042

Client: USRTHMA

Operation: DEMO OF2

SSS Location: B1/BALLFIELD

Distance to blast: 500

Operator: WINNINGHAM/IT CORP

Comments: 12.5 LBS/12.5 LBS OF

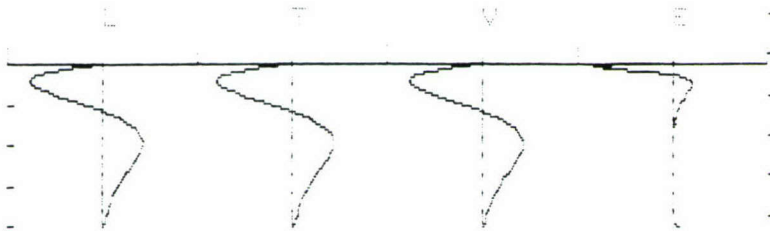
Trigger Level: 0.02 in/sec

Record Time: 10 secs

Summary

	L	T	V
PPV (in/sec)	0.09	0.03	0.04
PD (in x.001)	5.23	4.87	4.63
PPA (g)	0.10	0.10	0.00
FREQ (hz)	10.4	8.9	19.2
RESULTANT PPV (in/sec):		0.09	
PEAK AIR PRESSURE: (db)		131	
(psi)		0.01173	

DYNAMIC CALIBRATION CHECK



SHAKETABLE CALIBRATED: 10/21/92

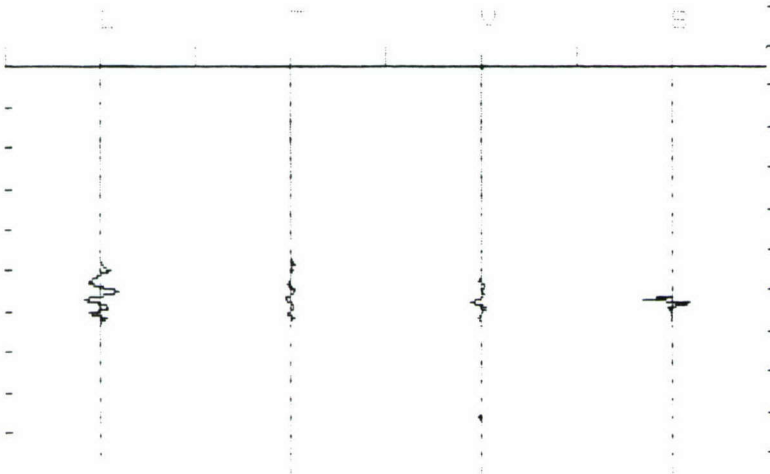
By Seisconics, Inc.

Box 773, Warrendale, PA 15095 U.S.A.  
Tel: 412.934.2900 FAX: 412.934.2999

Time Scale: 200 (msec/div)

Data scale (seismic): 0.02 (in/sec)

Data scale (air): 0.036 (psi)



\*\* SAFEGUARD SEISMIC UNIT 20000L \*\*

SN: 2155

DATE: 01/14/92 TIME: 10:05:54

Event: 045

Client: JBATHMA

Operation: DEMO CPE

SBU Location: B1/BALLFIELD

Distance to blast: 500

Operator: WINNINGHAM/IT CORP

Comments: 1A 2.35IN/12.5LBS DC

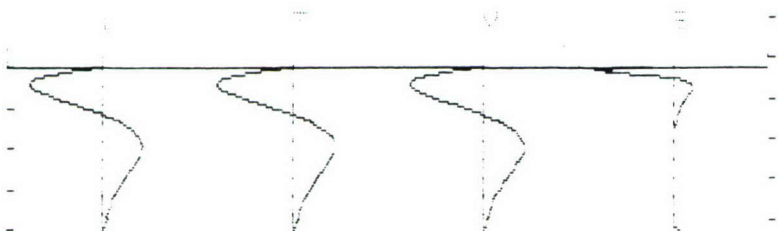
Trigger Level: 0.02 in/sec

Record Time: 10 secs

Summary

	L	T	V
PPV (in/sec)	0.05	0.02	0.04
P2 (in x.001)	4.20	4.33	4.55
PPA (g)	0.10	0.00	0.10
FREQ (hz)	31.2	50.0	35.7
RESULTANT PPV (in/sec):		0.06	
PEAK AIR PRESSURE: (db)		179	
(psf):		0.02406	

DYNAMIC CALIBRATION CHECK



SHAKETABLE CALIBRATED: 10/21/92

By Seismotek Inc.

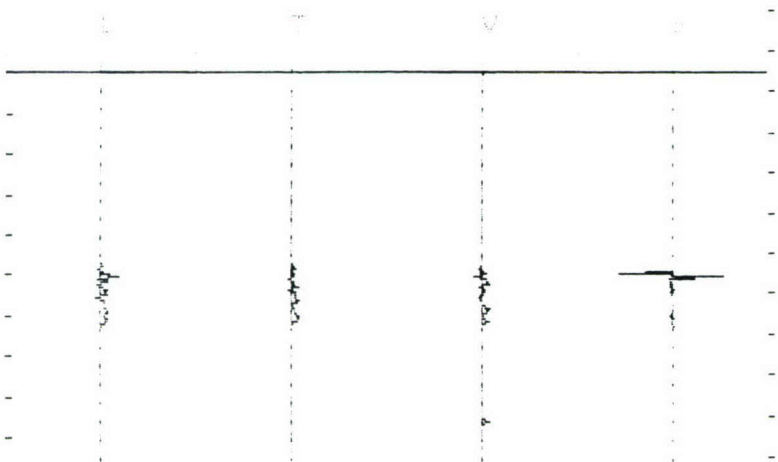
500 7th St. Metairie, LA 70005

TEL: 504.885.2900 FAX: 504.885.2170

File Scale: 200 (insec/div)

Date Scale (sec/div): 0.02 (in/sec)

Date Scale (psf): 0.035 (psf)



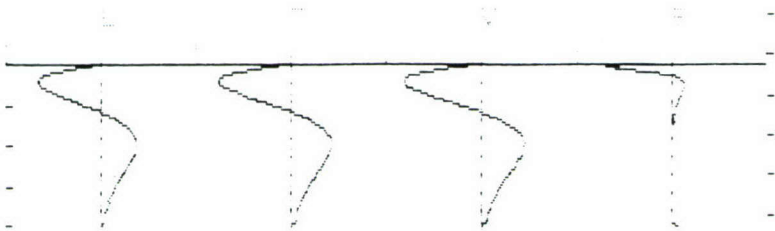
SAFEGUARD SEISMIC UNIT 2000D

DATE: 01/14/92 TIME: 14:35:07
Event: 002
Client: USATHMA
Operation: DEMO 002
ESU Location: B1/BALLFIELD
Distance to blast: 500
Operator: WINNINGHAM/IT 002
Comments: 14 2.25IN/12.5 LBS OC
Trigger Level: 0.02 in/sec
Record Time: 10 secs

Summary

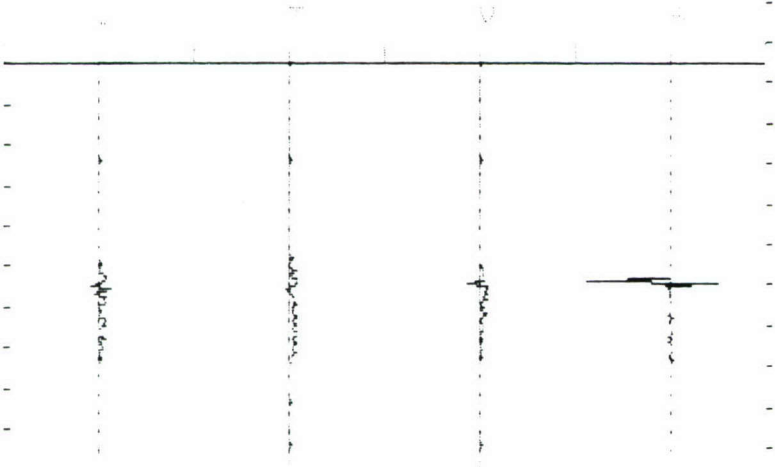
Table with 4 columns: Parameter, L, T, V. Rows include PPV (in/sec), PD (in x.001), PPA (g), FREQ (Hz), RESULTANT PPV (in/sec), and PEAK AIR PRESSURE (db).

DYNAMIC CALIBRATION CHECK



SCALE TABLE CALIBRATED: 01/01/92
By: SeisSource, Inc.
8801 775, Westlands, CA 95076
Tel: 415.934.2900 Fax: 415.934.2901

Time Scale: 200 (msps/div)
Veg Scale (seismic): 0.02 (in/sec)
Veg Scale (air): 0.025 (psf)





\*\* SAFEGUARD SEISMIC UNIT 2000DL \*\*

SN: 2055

DATE: 01/25/93 TIME: 13:28:14

Event: 101

Client: USATHMA

Operation: DEMO OPS

SSU Location: B1/BALLFIELD

Distance to blast: 500

Operator: WINNINGHAM/IT CORP

Comments: 60 E.35IN/15LBS OC

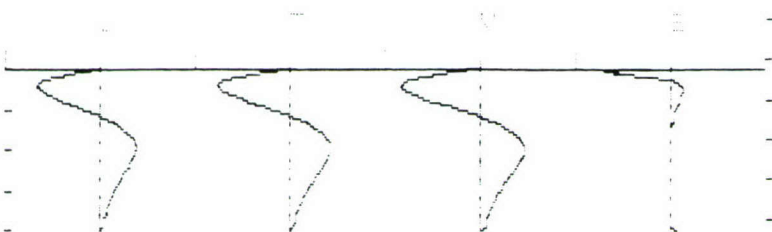
Trigger Level: 0.02 in/sec

Record Time: 10 sec

Summary

	W	T	V
PPV (in/sec)	0.12	0.04	0.07
PD (in x.001)	18.91	45.62	24.30
PPA (g)	0.40	0.10	0.21
FREQ (hz)	62.5	15.6	7.3
RESULTANT PPV (in/sec)		0.14	
PEAK AIR PRESSURE (db)		142	
(psi)		1.03e87	

DYNAMIC CALIBRATION CHECK



SHAKETABLE CALIBRATED: 11/21/91

By Geosonics Inc.

60, 777, Lehighville, PA 18095 U.S.A.

TEL: 412.404.2900 FAX: 412.404.2901

Time Scale: 200 (usec/div)

Date scale (seismic): 0.32 (in/sec)

Date scale (air): 0.035 (psi)

