FLOOD PLAIN MANAGEMENT SERVICES

High Water Marks Halloween Storm October, 1991



October 1992



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13. ABSTRACT (Maximum 200 words)

This report documents the location and elevation of approximately 200 high water marks taken after the Halloween "Northeaster" of October 1991 and the high water marks were taken from the coast of Kennebunkport, Maine down to Nantucket, Massachusetts. The report contains photographs, descriptions, and location maps for all of the high water marks which were recovered. The maps show the locations of both the Halloween Storm of 1991 and the Blizzard of 1978 high water marks. High water marks and their corresponding elevations, referenced to either the National Geodetic Vertical Datum (NGVD), or Mean Lower Low Water (MLLW) are listed in Table 1 - Summary of High Water Marks. The high water marks are meant to be an estimation of stillwater elevation; however, some are due to ponding, overtopping, and wave runup which are not representative of ocean stillwater levels.

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Halloween Storm of 1991; Blizzard of 1978; coastal regions; elevation; high water mark; flooding

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HIGH WATER MARKS OF THE HALLOWEEN COASTAL STORM OCTOBER, 1991

1. Introduction

This report documents the location and elevation of approximately 200 high water marks obtained after the Halloween northeaster of October 1991. High water marks were obtained at various locations along the coast from Kennebunkport, Maine to Nantucket, Massachusetts.

The Halloween Storm was an extratropical event which originally developed east of Nova Scotia and strengthened as it moved westward. The storm was extremely intense, causing flooding, erosion and damage along most of the New England coast. The affects of this storm were observed from regions of Canada to the Atlantic facing shorelines of the Greater Antilles (Cuba, Haiti, Dominican Republic, etc.). The east facing shores of Maine, New Hampshire, and Massachusetts are particularly vulnerable to storms of this nature. Sustained winds from the northeast can produce extreme wave conditions and storm surges, as was observed during both the Halloween Storm of 1991 and the Blizzard of 1978.

The high water marks are meant to be an approximation of stillwater elevations, however, some are due to overtopping, wave runup, and ponding which are not representative of ocean stillwater levels. These are of interest to affected coastal communities, States, and other Federal agencies responsible for defining flood threats and evaluating mitigation measures. Information contained in this report provides historical documentation of the coastal flooding experienced along the New England coast from this event. High water marks and their corresponding elevations, referenced to either the National Geodetic Vertical Datum (NGVD), or Mean Lower Low Water (MLLW) are listed in Table 1 - Summary of High Water Marks. Only the elevations of the most reliable marks are presented in Table 1, however, this report contains photographs, descriptions, and location maps for all of the high water marks which were recovered (Appendix). Those marks not considered reliable estimates of the stillwater level are still an important historical reference of flooding caused by the Halloween event. The elevations and locations of the more reliable high water marks are plotted on the Tidal Flood Profiles - New England Coastline, September 1988 for illustrative purposes only.

Location maps for both the Halloween Storm of 1991 and the Blizzard of 1978 were developed from the United States Geological Survey 7.5 Minute Series Quadrangles. The October 1991 high water marks are represented by squares, and the Blizzard of 1978 marks by circles. The intent of these maps is to use them on a recurring basis for obtaining high water marks from future storm events which can be easily referenced to the 1978 and 1991 marks.

2. Authority

The identification and marking of High Water Marks was coordinated through New England Division's Emergency Operations Branch and accomplished under the Flood Control and Coastal Emergency Act (PL 84-99). The survey effort and the preparation of this report has been

conducted under the Corps of Engineers' Flood Plain Management Services (FPMS) program. The FPMS program is authorized under Section 206 of the Flood Control Act of 1960 (PL 86-645).

3. Data Collection

On November 2-6, 1991, the New England Division mobilized seven 2-person teams to mark and record the locations of identifiable stillwater elevations. Where possible, elevations were identified by debris lines that remained on inland areas or inside structures to avoid areas subjected to wave action. Local residents and public officials were often consulted at many locations for additional assistance in distinguishing high water marks.

Iocations were marked with paint, stakes, tape and nails with pertinent information recorded on NED Standard Forms for High Water Mark Data collection. Photographs and sketches of the site were used to aid survey personnel in relocating the marks to determine the elevations. New England Division survey teams were deployed in December, 1991 to measure the high water mark elevations relative to the level of the ocean surface at the time of survey. The survey data was then adjusted using the predicted and actual tide elevations for the date of survey. This allowed the high water mark elevations to be converted to the National Geodetic Vertical Datum (NGVD). The datum used for Nantucket was Mean Lower Low Water (MLLW). A sample calculation of this method follows Table 1.

The final elevations of the high water marks determined as a result of the survey are meant only as a general guide as to the severity of flooding at a particular location. There is a wide range of values associated with the data points representing the highwater mark elevations on the <u>Tidal Flood Profiles</u>. Numerous errors can be introduced when determining the high water mark elevations as a result of coastal storm events. Human error in locating the approximate level of stillwater in areas subjected to wave action is a predominant source of error. The location and elevation of high water marks is in many cases a subjective matter. Another possible source of error is the methodology used in determining the highwater mark elevations. The elevations were based on the approximate stillwater level of the ocean on the particular day the survey was accomplished, but this can be affected by wave action and weather conditions which may lead to errors.

4. Summary

The elevations of high water marks presented in this report were derived from actual observed tide elevations for the appropriate National Oceanic and Atmospheric Administration (NOAA) Station at the time and day of the survey. These marks are best used to indicate high water elevations over a region rather than at a specific site. The elevation of individual marks may not be accurate representations at a particular site. Trends in stillwater levels occurring in a particular region may exist when these marks are evaluated as a group rather than

individually. Only those marks obtained from other storm events taken at locations in the proximity of the Halloween 1991 high water marks can be reasonably compared on an individual basis. The maps contained in this report show the locations of both the Halloween Storm of 1991 and Blizzard of 1978 high water marks. A complete description of the high water mark locations from the Blizzard of 1978 is contained in "Coastal Flood of February 7, 1978 In Maine, Massachusetts, and New Hampshire" prepared by the U.S. Geological Survey.

The raw data of high water marks was reviewed for accuracy based on the observations of personnel in the field. Therefore, only those elevations found to be reasonably accurate are displayed in Table 1 and on the <u>Tidal Flood Profiles - New England Coastline, September 1988</u>. All elevations are displayed in NGVD except for Nantucket which is referenced to MLIW. However, all of the high water mark descriptions and locations were retained in this report for future historical reference. All of the high water marks provide a database of information for referencing the effects of future storm events.

5. Acknowledgments

This report was developed and prepared by John Kedzierski, P.E., with assistance provided by Michael Tarnowski, Duban Montoya, and Christine Davey. The high water mark data collection was conducted through the Operations Directorate, Emergency Operations Branch. Field surveying was completed by Carl Beattie, Joseph Cavanaugh, Fred Perry, and Scott Whitcomb. The report was prepared under the supervision and management of the following New England Division personnel:

Colonel Brink P. Miller, Division Engineer
Joseph L. Ignazio, Director of Planning
John C. Craig, Chief, Basin Management Division
John R. Kennelly, Chief, Long Range Planning Branch

The high water mark location and elevation data was collected by the following New England Division personnel: Scott Acone, Mark Deschenes, Greg Hanlon, Christopher Hatfield, Victor Hom, David Larsen, Wendell Mah, Robert Martin, Duban Montoya, Robert Russo, Karen Schofield, and John Yen.

TABLE 1 - SUMMARY OF HIGH WATER MARKS

SITE NO.	STATE/ TOWN	HIGH WATER MARKS ELEVATION (NGVD)
	MAINE	
E1 K1 K2 K3 K4 K5 S1 Y1 Y2 CN1 CN3 O1 W1 W2 W3 W4 W5 W6 KB1 KB2 KB3 KP1 KP2	ELIOT KITTERY SEABURY YORK HARBOR YORK HARBOR CAPE NEDDICK CAPE NEDDICK CAPE NEDDICK CAPE NEDDICK OGUNQUIT WELLS WELLS WELLS WELLS WELLS WELLS KENNEBUNK KENNEBUNK KENNEBUNK KENNEBUNK KENNEBUNKPORT KENNEBUNKPORT	8.1 9.1 9.2 9.4 10.8 9.2 11.3 10.8 9.5
KP3 KP4	KENNEBUNKPORT KENNEBUNKPORT	9.8 11.9
KP5 KP6 KP7	KENNEBUNKPORT KENNEBUNKPORT KENNEBUNKPORT	10.2 7.9 11.0
	NEW HAMPSHIRE	
SB1 SB2	SEABROOK SEABROOK	10.2

TABLE 1 - continued

SITE	STATE/	HIGH WATER MARKS ELEVATION
NO.	TOWN	(NGVD)
		\
	MASSACHUSETTS	
S1	SALISBURY	8.7
S2	SALISBURY	9.9
S3	SALISBURY	6.8
N1	NEWBURYPORT	10.4
N2	NEWBURYPORT	10.8
N3	NEWBURYPORT	
N4	NEWBURYPORT	8.1
N5	NEWBURYPORT	
N6	NEWBURYPORT	9.4
N7	NEWBURYPORT	
N8	NEWBURYPORT	8.3
N9	NEWBURY	9.5
N10	NEWBURY	
RY1	ROWLEY	
RY2	ROWLEY	9.9
I1	IPSWICH	
12	IPSWICH	11.3
I3	IPSWICH	9.9
I4	IPSWICH	
I5	IPSWICH	10.4
I6	IPSWICH	11.1
E1	ESSEX	11.4
E2	ESSEX	11.7
E3	ESSEX	9.6
G1	GLOUCESTER	
G2	GLOUCESTER	11.4
G3	GLOUCESTER	11.2
G4	GLOUCESTER	10.9
G5	GLOUCESTER	10.6
G6	GLOUCESTER	
G7	GLOUCESTER	11.7
G8	GLOUCESTER	9.9
G9	GLOUCESTER	2.9
G10	GLOUCESTER	8.6
G10 G11	GLOUCESTER	7.2
	ROCKPORT	10.5
R1 R2	ROCKPORT	9.9
R2 R3	ROCKPORT	9.9
MN1		9.0
1	MANCHESTER MANCHESTER	
MN2		10.2
MN3	MANCHESTER	10.2
MN4	MANCHESTER	
BV1	BEVERLY	
BV2	BEVERLY	
DN1	DANVERS	8.5
DN2	DANVERS	8.6
SL1	SALEM	8.8

TABLE 1 - continued

MASSACHUSETTS	1
SL2 SALEM	11.2
SL3 SALEM 1	11.2
MB1 MARBLEHEAD 1	L2.7
MB2 MARBLEHEAD -	
	L1.4
	L1.1
	LO.8
SW3 SWAMPSCOIT -	
	11.8
	L2.9
I.1 LYNN	8.9
I2 LYNN	9.0
L3 LYNN -	
L4	
L5	
LO LYNN	8.4
L8 LYNN	8.4
L9 LYNN -	
NH1 NAHANT -	
SG1 SAUGUS -	
SG2 SAUGUS -	
SG3 SAUGUS -	
RV1 REVERE 1	LO.1
RV2 REVERE -	
RV3 REVERE	9.4
RV4 REVERE -	
RV5 REVERE	LO.2
RV6 REVERE -	
RV7 REVERE -	
RV8 REVERE	9.2
RV9 REVERE	8.4
RV10 REVERE	8.4
RV11 REVERE	8.3
RV12 REVERE -	0.6
RV13 REVERE	9.6 7.8
RV14 REVERE RV15 REVERE	7.4
RV15 REVERE	8.3
RV16 REVERE -	
RV17 REVERE -	
RV19 REVERE	
RV20 REVERE	
RV21 REVERE -	
W1 WINTHROP -	
1	10.1

TABLE 1 - continued

SITE NO.	STATE/ TOWN	HIGH WATER MARKS ELEVATION (NGVD)
	MASSACHUSETTS	
H1 H2 H3 H4 H5 C1 C2 C3 S1 S2 S3 S4 S5 S6 S7 S8 M1 M2 M3 M4 D1 D2 D3	MASSACHUSEITS HULL HULL HULL HULL HULL COHASSET COHASSET COHASSET SCITUATE DUARSHFIELD MARSHFIELD MARSHFIELD DUXBURY DUXBURY DUXBURY	12.9 10.4 9.5 9.6 11.9 14.4 12.6 12.7 11.4
D4 D5 K1 P1 P2 P3 P4 P5 P6 P7 P8 P9 SA1 CH1 CH2 CH3 CH4 CH5 OR1 OR2 OR3 OR4 E1	DUXBURY DUXBURY KINGSTON PLYMOUTH CHATHAM	11.1 11.8 11.9 12.8 11.4 4.1 3.0 7.5 12.4 9.5 10.6

TABLE 1 - continued

SITE NO.	STATE/ TOWN	HIGH WATER MARKS ELEVATION (NGVD)
E2 E3 T1 PR1	MASSACHUSETTS EASTHAM EASTHAM TRURO PROVINCETOWN	10.8 7.6 12.8

TABLE 1 - continued

SITE NO.	STATE/ TOWN	HIGH WATER MARKS ELEVATION (MLLW)
	MASSACHUSETTS	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MADAKET, NANT. MADAKET, NANT. MADAKET, NANT. NANTUCKET	7.1 8.3 9.5 8.6 8.5 8.4 8.2 7.9 8.3 8.4 7.9 9.8 9.3 7.3 8.3
21	SIASCONSET, NA.	

Note: Those points whose elevations have not been recorded were not accurate representations of the stillwater elevation at that location.

EXAMPLE DETERMINATION OF HIGH WATER MARK ELEVATION

For Site L1, Lynn, Massachusetts:

Step 1. After the high water level had been marked, a survey crew determined the elevation of the mark relative to the ocean surface for the date and time of their survey: Survey Date 12/2/91; Survey Time 3:32 PM (1532)

The survey recorded the water surface measured 18.25 feet and the high water mark 5.2 feet relative to the survey instrument. See Figure 1.

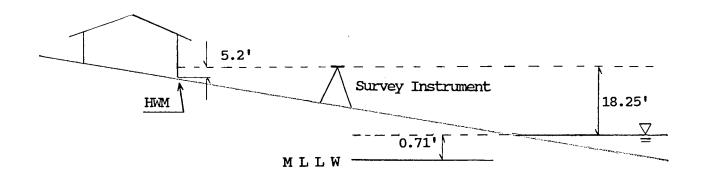


FIGURE 1

Step 2. High and Low tide times and elevations were obtained from National Oceanic and Atmospheric Administration, National Ocean Service (NOAA/NOS) tide gage stations at Portland, Boston, and Nantucket. The high and low tide times and elevations were then determined for the Sub-Station nearest the high water mark using appropriate difference factors contained in "Tide Tables 1992 - East Coast of North and South America, Including Greenland, (NOAA)". The tide characteristics at the high water mark locations were assumed to be the same as at the nearest Sub-Station.

Tidal difference factors for Lynn Harbor are:

Time	(min)	Height	(ft)
<u> High Water</u>	<u>Low Water</u>	<u> High Water</u>	<u>Low Water</u>
+10	+06	*0.96	*. 096

Step 3. Apply the difference factors to the Boston tide data to estimate tidal information for Lynn on December 2, 1991:

H	igh	L	DW W
Time (min)	Height (ft)	Time (min)	Height (ft)
1228	9.187	858	- 0.182

Step 4. Determine the linear time fraction of the tidal cycle to the time of survey:

The time of survey is 1532 (932 minutes). The time of survey must fall between the time of high and low tides.

High Tide Time - Low Tide Time = 1228 - 858 = 370 (Survey Time - Low Tide Time) / 370 = .200

Time Fraction = .200

Step 5. Determine the fractional change in tide height at the time of survey. Assume that variations in tide heights between low and high tides follows a sinusoidal relationship:

Use $[1 - COS(PI \times Time Fraction)] \times 0.5$ Note: The Linear Time Fraction should be in radians.

 $[1 - COS(PI \times .200 \text{ radians})] \times 0.5 = 0.096$

Height Fraction = 0.096

Step 6. Determine the height of water at time of survey relative to MLLW.

Ht. = Low Tide + [Sinusoidal Height Fraction x (HT - LT heights)]

 $-.1824 + [0.096 \times (9.187 - (-.1824))] = .71$ Height of water surface (MLLW)

Step 7. Convert high water mark elevation to NGVD: Refer to Figure 1.

Height of water mark (MLLW) at time of survey: .71 + 18.25 - 5.20 = 13.76 MLLW

Convert to NGVD:

13.76 MLW - 0.34 (MLW to MLW) - 4.5 (MLW to NGVD) = 8.92 NGVD

Note:

MLLW: Mean Lower Low Water

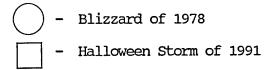
MLW: Mean Low Water

NGVD: National Geodetic Vertical Datum

HIGH WATER MARK

TOCATION MAPS

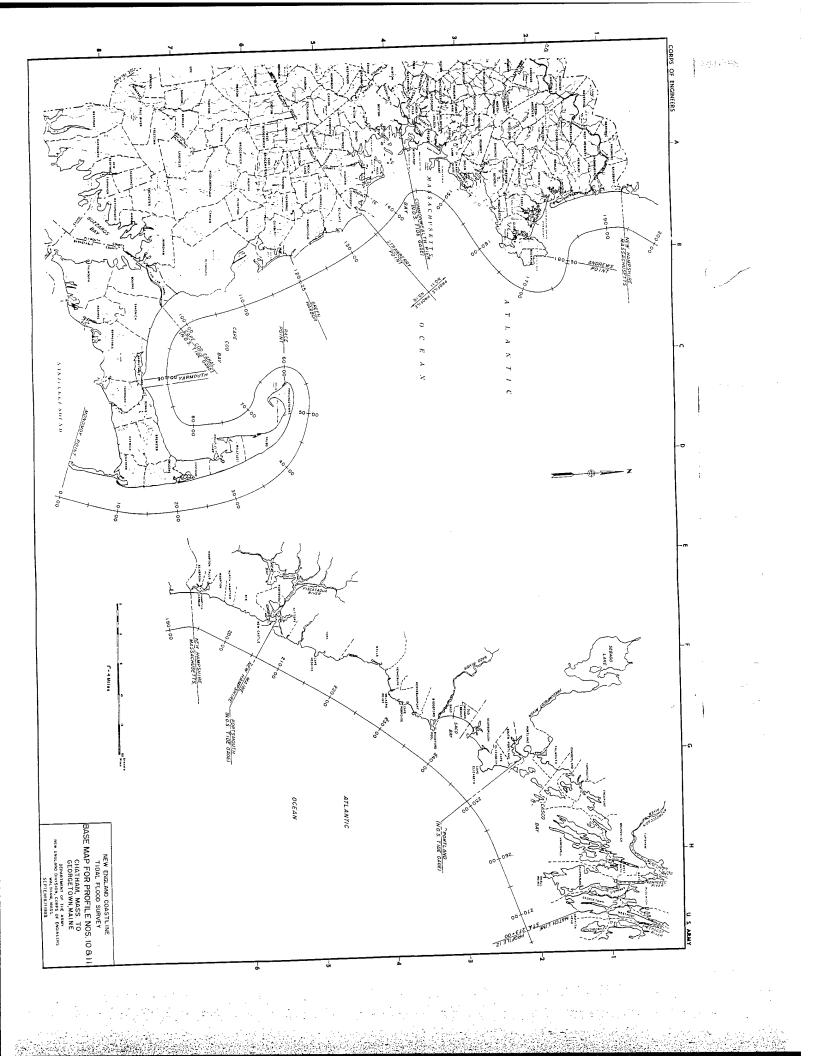
The following maps show the location of High Water Marks obtained from the Blizzard of 1978 and the Halloween Storm of 1991. The locations are represented on USGS 7.5 Minute Series (Topographic) Quadrangles, produced by the U.S. Department of Interior, Geological Survey.

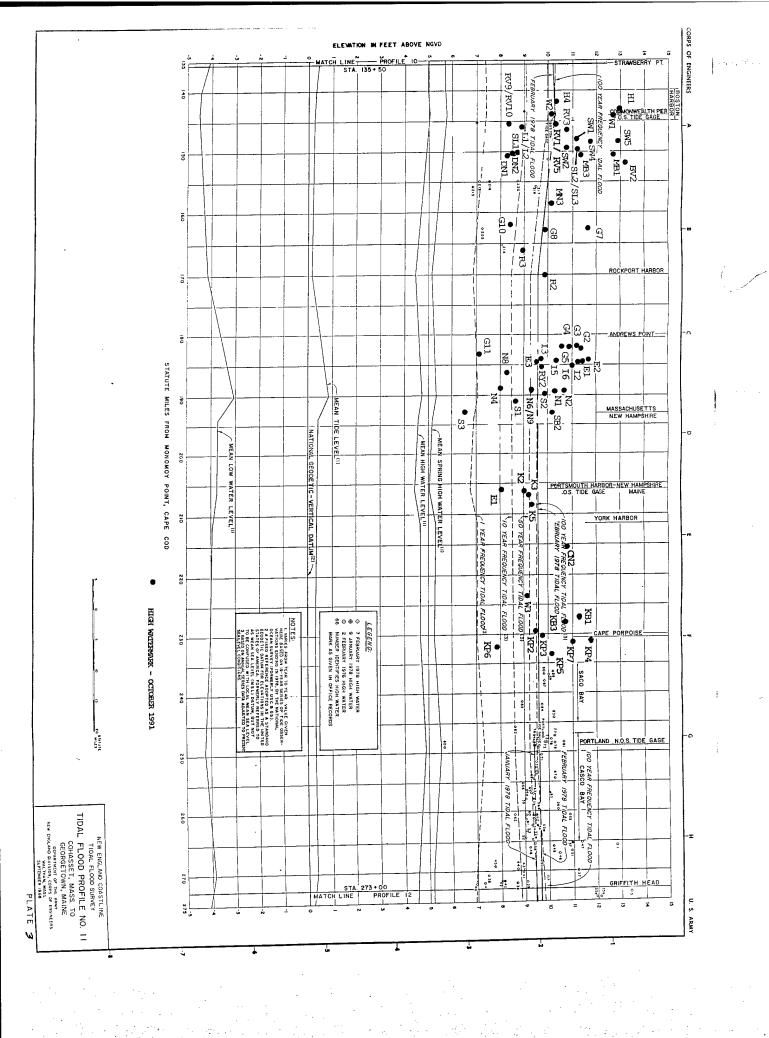


The elevations and a detailed description of the High Water Marks from the Blizzard of 1978 are contained in the following publication on file at the U.S. Army Corps of Engineers, New England Division, Waltham, Massachusetts:

<u>Coastal Flood of February 7, 1978 In Maine, Massachusetts, and New Hampshire</u> - U.S. Geological Survey, Water Resources Investigation 79-61

NEW ENGLAND COASTLINE
TION LEODS SURVEY
BASE MAP FOR PROFILE NO. 9
BARNSTABLE, MASS,
TO CHATHAM, MASS,
ACK ROLAND PROSING, COBES OF PROHERS
WAT INDAW, MASS NOTE: Stationing is in Statute Miles, LEGEND: SCALE IN STATUTE MILES NANTUCKET IS. 9 ≷ ۵ 0 2 ≷ MUSKEGET CHANNEL * ≷





APPENDIX

ELLIOT, MAINE

DEPARTMENT OF THE ARMY New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Piscataqua River	•	Εl
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Eliot	ME
at Mouth of Spinney Creek	(City or Town)	(State)
(Tributary of)	•	•
escription of fight watermark.	ed on pile at entrance	
evidence available from scarring on	other piles. Water lev	el not as 1978 nor
Hurrican Gloria in 1985.		
7 November 1991	Victor Hom and Ma	rk Deschenes
(Date obtained)	(Obtai	ined by)
Charles Becounski, Great Cove Boat C	lub Dock Manager, 1 Mai	n St., Eliot, ME
(Name and address of pers	on poincing out magning	,
(If not pointed out, how obtained?)	(Date and hour	of high watermark)
(II not pointed dot,		
		(Detu=)
(Elev. of high watermark) (Datu	m) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)	•	
	(Data)	(Order of levels)
(Elevation determined by)	(Date)	(Older of levers)
(Victory or downstream)	(Latitude and lo	ngitude of watermark)
(Nearest dam upstream or downstream)	(2202000 ,5330 25	
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	ight affect high waterm	other points on ark, elevation of

	_	40
27	Sept	49

CORPS OF ENGINEERS, U.S. ARMY

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SUBJECT H.W MARKS FOR OCT Q!

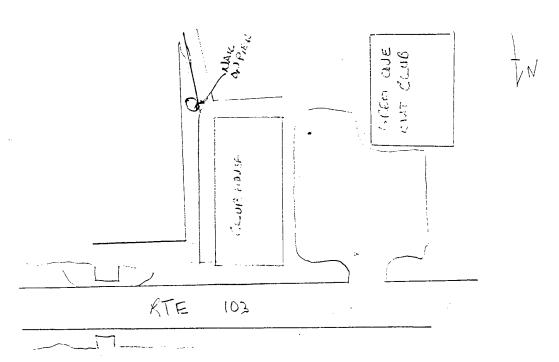
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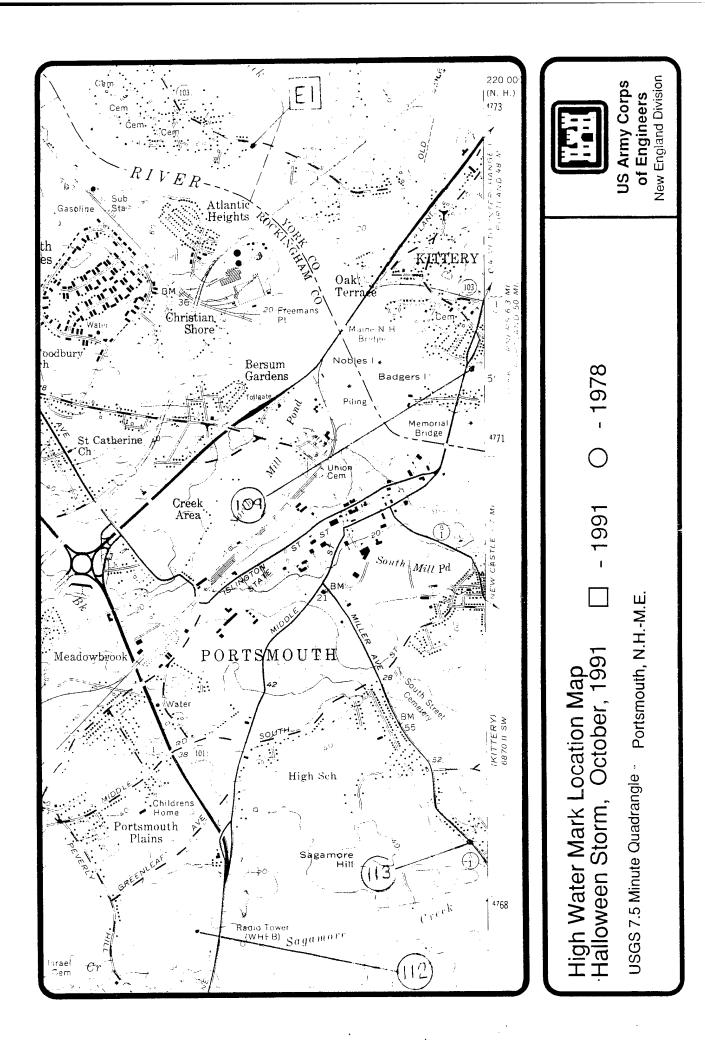


H.W. 1 GREAT COVE BOAT CLUB I MAIN ST. ELIOT, ME @ + MD 11/7/91

PISCATA OUR · RIVER



= EpiNNEW CREEK



APPENDIX

KITTERY, MAINE

DEPARTMENT OF THE ARMY New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

	KI
(Miles from Mouth)	(Watermark No.)
Kittery	ME
(City or Town)	(State)
ake nailed next to tree	at front of red house
ll Street). Highwater	is evident as pointed
(Obt	ained by)
Inc., 5 Seapoint Road	
rson pointing out high	watermark)
) (Date and hou	r of high watermark)
(Benchmark re	ferred to) (Datum)
(Date & Hour)	(Class. of watermark)
(Date)	(Order of levels)
(Latitude and)	ongitude of watermark)
n) (Latitude and l	ongitude of watermark)
n) (Latitude and l n, elevation and time of might affect high water t same point, etc.)	other points on
n, elevation and time of might affect high water	other points on
	Kittery (City or Town) ake nailed next to tree 11 Street). Highwater Victor Hom and 1 (Obt Inc., 5 Seapoint Road rson pointing out high (Date and hou

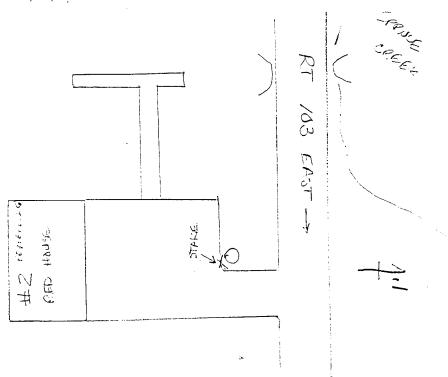
SUBJECT HW MARKS ENG DIG FOOD

COMPUTATION KITTERY PT. ME

COMPUTED BY V. HOLA & P. DESCHENES CHECKED BY _



WMEZ MOUTH OF SPRICE CREEK MAD MUD PISQUATAQUA KITTERY IT ME



DEPARTMENT OF THE ARMY New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Piscataqua River		K2
•	Miles from Mouth)	(Watermark No.)
	ttery	ME
((City or Town)	(State)
	line in protected o	ove serves with mark
Description of high watermark: Debris		ove agrees with mark
an observer of fishing boat described.	Checked with eye 1	eveller. Confirmed
observer's report of water on edge of s	eawall abutment. L	ocation at
Pepperell Yacht Club.		
7 November 1991	Victor Hom and M	
(Date obtained)	(Obta	ained by)
Frank C. Frisbee, 2 Bellamy Lane, Kitte	ry Point	
(Name and address of person	pointing out high v	vatermark)
		·
(If not pointed out, how obtained?)	(Date and hour	of high watermark)
•		
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)
• • •		
(Elevation of high watermark	(Date & Hour)	(Class. of watermark
above water surface)		
	•	
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream, ele	evation and time of	other points on
(Nearest dam upstream or downstream) Remarks - (Failure of dams upstream, elements of the hydrograph, factors that might previous flood beights at same	evation and time of t affect high water	ongitude of watermark) other points on mark, elevation of
Remarks - (Failure of dams upstream, ele	evation and time of t affect high water	other points on
Remarks - (Failure of dams upstream, ele hydrograph, factors that migh	evation and time of t affect high water	other points on
Remarks - (Failure of dams upstream, ele hydrograph, factors that might	evation and time of t affect high water	other points on

SUBJECT HW MARK FOR OCT OF FLOOD

COMPUTATION FRISREE'S WHARF KITTERY PT ME

COMPUTED BY M. DESCUENES - J HOM CHECKED BY

_ DATE _



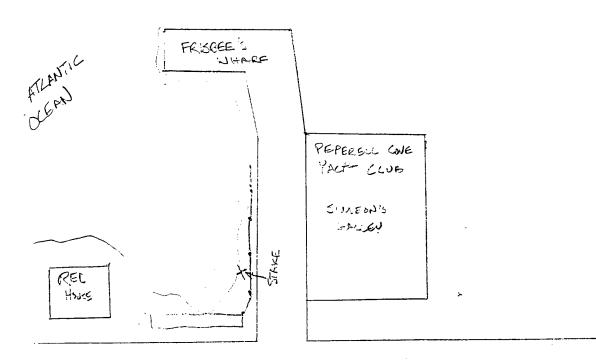
FRISBEE WHARF

WM 3

HILL MARK KITTERY PT ME

MAR

11/7/91



New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

		K 3	
Chauncy Creek (Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
(Name of River, Bay of Marson)		ME	
Piscataqua River	(City or Town)	(State)	
(Tributary of)		•	
Del	oris line near cable cond	luit on south side of	
escription of high watermark: Dec	. The mark is located ne	oar another stake used	
Chauncy Creek along Goodwin Avenue	. The mark is located ne	ear another brake abou	
as survey point for future Girl Sco	out quarter.		
7 November 1991	Victor Hom and	Victor Hom and Mark Deschenes	
(Date obtained)	(Obta	ined by)	
-		9/6_1/32	
See James Barker, Maine Land Surve	yor for Benchmark(207)	atermark)	
(Name and address of pe	rson pointing out high w		
Debris Line			
(If not pointed out, how obtained?	(Date and hour	of high watermark)	
(Elev. of high watermark) (Dat	um) (Benchmark ref	erred to) (Datum)	
(Elev. of high waterbeam)		•	
	(Date & Hour)	(Class. of watermark	
(Elevation of high watermark above water surface)	(Date & mour)		
above water surruce,			
	(Date)	(Order of levels)	
(Elevation determined by)	(Date)		
•			
(Nearest dam upstream or downstream	m) (Latitude and lo	ongitude of watermark	
		other points ON	
Remarks - (Failure of dams upstream hydrograph, factors that	m, elevation and time of micht affect high water	mark, elevation of	
previous flood heights a	t same point, etc.)	•	
previous rious mergants e			

SUBJECT HW MARK FOR OCT 91 FLOOD

COMPUTATION GERRISH ISLAND NE

COMPUTED BY JAMES TE M. DESCHENES CHECKED BY ______ DATE ____

DAIL -



"Serving the Maine Land Professional"

MAINE
LAND

SURVEYORS, INC.

603B NORTH ELM ST., YARMOUTH, MAINE 04096 (207)-846-1432

JAMES BARKER, RLS
PRESIDENT

H.W. K3 Goodwin's Rd.

CHAUNCY CREEK

4.24

GOODWINS RD

SERVE.

New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Atlantic Ocean		K4
(Discourage Harbor)	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)	,	ME
	Kittery	(State)
(Tributary of)	(City or Town)	•
escription of high watermark	Suspected wave action pushin	
creating a debris line. Stake m	narked on east side of Goodwi	n Road in front of
93 Goodwin Road (tan house).		
1001	Victor Hom and Mar	k Deschenes
7 November 1991		
(Date obtained)	(Obtain	ned by)
(Name and address of	person pointing out high wa	termark)
		•
	(Data and hour	of high watermark)
(If not pointed out, how obtain	led!) (Date and hour	or might work and
		_
(Flow of high watermark) (Datum) (Benchmark refe	rred to) (Datum)
(Elev. of high watermark) (Datum) (Benchmark refe	rred to) (Datum)
(1164. 01 112811 1120111111)		
(Elevation of high watermark		
(1104. 01 11211 112011111)		
(Elevation of high watermark		(Class. of watermar)
(Elevation of high watermark		
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermar)
(Elevation of high watermark above water surface) (Elevation determined by)	(Date & Hour) (Date)	(Class. of watermark
(Elevation of high watermark above water surface) (Elevation determined by)	(Date & Hour) (Date)	(Class. of watermark
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstr	(Date & Hour) (Date) (Date) (Latitude and lor ream, elevation and time of contact might affect high watermark)	(Class. of watermark) (Order of levels) gitude of watermark)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstr Remarks - (Failure of dams upstr	(Date & Hour) (Date) (Date) (Latitude and lor ream, elevation and time of contact might affect high watermark)	(Class. of watermark (Order of levels) gitude of watermark
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstr Remarks - (Failure of dams upstr	(Date & Hour) (Date) (Date) (Latitude and lor ream, elevation and time of contact might affect high watermark)	(Class. of watermark (Order of levels) gitude of watermark
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstr Remarks - (Failure of dams upstr	(Date & Hour) (Date) (Date) (Latitude and lor ream, elevation and time of contact might affect high watermark)	(Class. of watermark (Order of levels) gitude of watermark

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NEW ENGLAND DIVISION

CORPS OF ENGINEERS, U.S. ARMY

PAGE	

SUBJECT H. W. MARK FOR ACT 91 FLOOD

COMPUTATION GERT SP ISLAND THE

COMPUTED BY THORY & M DESCHOLES CHECKED BY ___

DATE



K4 #93 600 dwin's Rd.

TADSE THE CRAY HOUSE

GRAY HOISE

DEPARTMENT OF THE ARMY New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

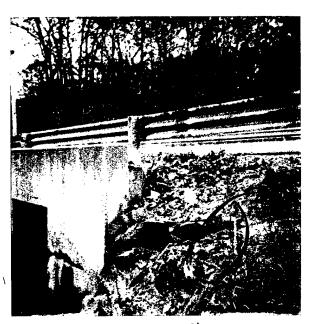
D Book Horbor		K5	
Beave Boat Harbor (Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
		MC	
Atlantic Ocean	(City or Town)	(State)	
(Tributary of)	(CILY OF TOWN)	•	
escription of high watermark: Debr	is line upstream of br	ridge, Rt. 103.	
Water mark is located across from ho	use at 268 Beave Boat	Harbor Road,	
Payne property.			
7 November 1991	Victor Hom and M	Victor Hom and Mark Deschenes	
(Date obtained)	(Obta	(Obtained by)	
(Name and address of pers Debris Line (If not pointed out, how obtained?)		r of high watermark)	
(Elev. of high watermark) (Datum	n) (Benchmark re	ferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark	
(Elevation determined by)	(Date)	(Order of levels)	
		(Latitude and longitude of watermark	
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)	
(Nearest dam upstream or downstream) Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	elevation and time of ight affect high water	other points on	
Remarks - (Failure of dams upstream, hydrograph, factors that m	elevation and time of ight affect high water	other points on	

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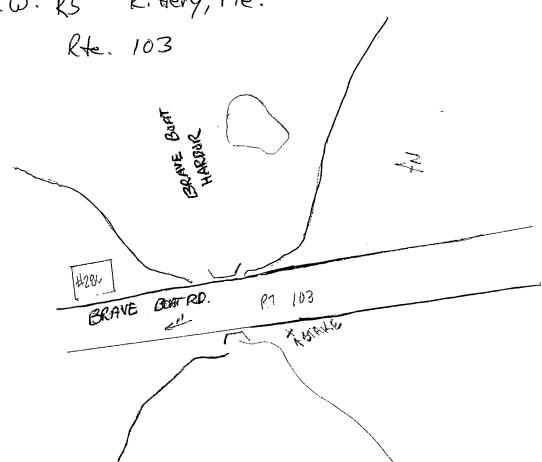
SUBJECT H.W MARK FOR OCT 91 FLOOD

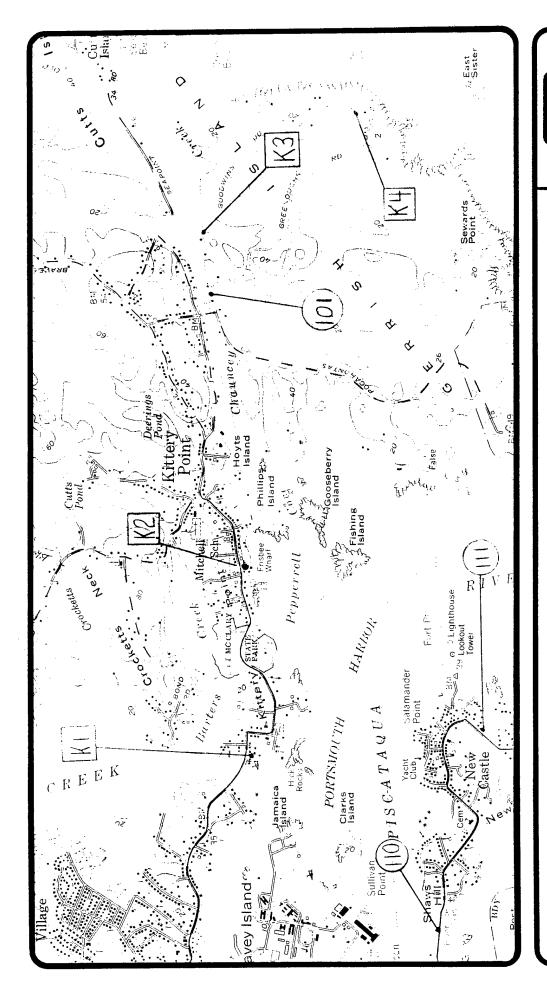
103 KITTERY 11E

COMPUTED BY 1.50M - 1. DESCHONES CHECKED BY _



H.W. K5 Kittery, Me.





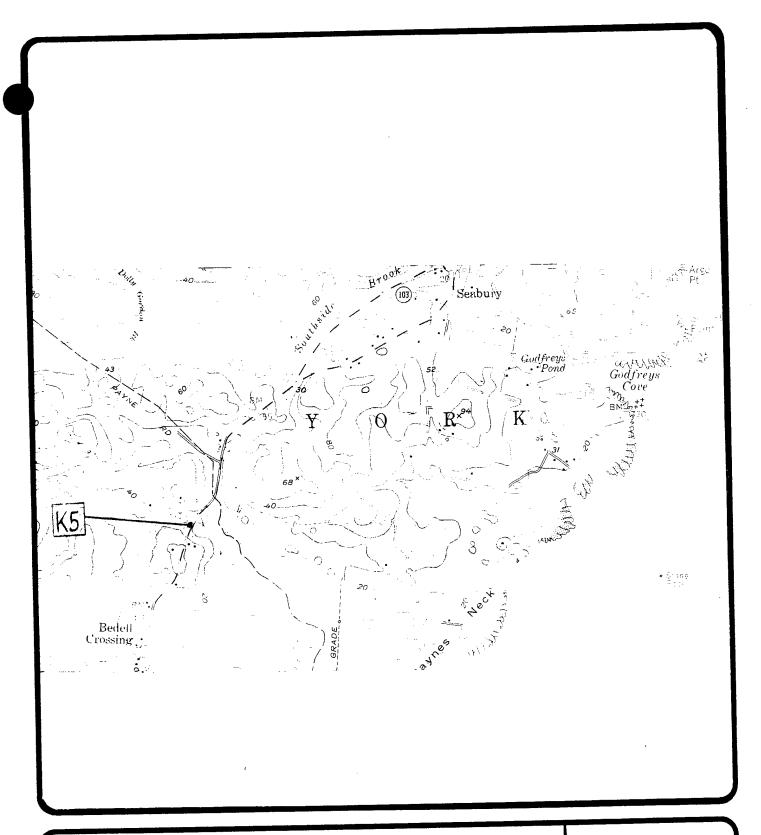
0 - 1978 - 1991 High Water Mark Location Map Halloween Storm, October, 1991

Kittery, ME.-N.H.

USGS 7.5 Minute Quadrangle -

of Engineers New England Division **US Army Corps**





High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Kittery, ME.-N.H.

- 1991

O - 1978

New England Division



US Army Corps of Engineers

APPENDIX
SEABURY AND YORK HARBOR, MAINE

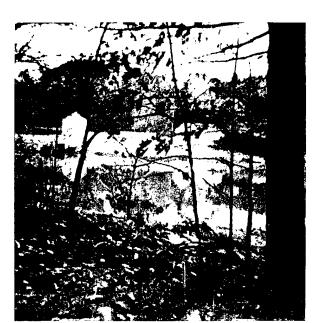
				SI
Atlantic Ocean (Name of River, Bay or Harbor) (M	liles	from M	louth)	(Watermark No.)
	oury			ME
	-	or Tov	m)	(State)
Western	Point	Road,	stake a	at debris line along
escription of high watermark:				
tidal flats.				
7 November 1991	Vic	tor Ho	m and M	lark Deschenes ained by)
(Date obtained)			(000	aince by,
		ing ou	t high	watermark)
(Name and address of person	point.	Ing ou	C 111511	wacci mai wy
Debris Line		(Date	and hou	r of high watermark)
(If not pointed out, how obtained?)		(Date		.
Good				
				_
(Elev. of high watermark) (Datum)		(Bench	mark re	eferred to) (Datum
•				
(Elevation of high watermark	(D	ate &	Hour)	(Class. of watermar
above water surface)				
		(Date		(Order of levels)
(Elevation determined by)		(Date	:)	(01461 01 101111)
	-(1	atituc	le and	longitude of watermark
(Nearest dam upstream or downstream)				
Remarks - (Failure of dams upstream, ele	vatio	n and	time of	f other points on
hydrograph, factors that might previous flood heights at same	carre	SCE UTS	SII Water	imaik, elevation of
previous flood heights at same	- p	,	-	
				<u> </u>

SUBJECT HW MARKS FOR DOT 91 FLOOD

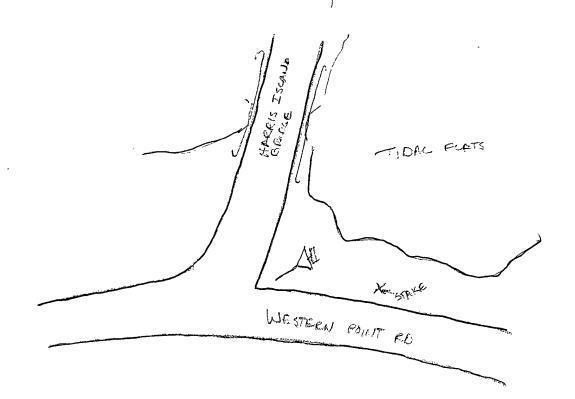
COMPUTATION SELBURY 115

COMPUTED BY VHOM AN DESCHEAPES CHECKED BY

DATE -



H.W. 51 Seabury, Me. Western Point Rd.



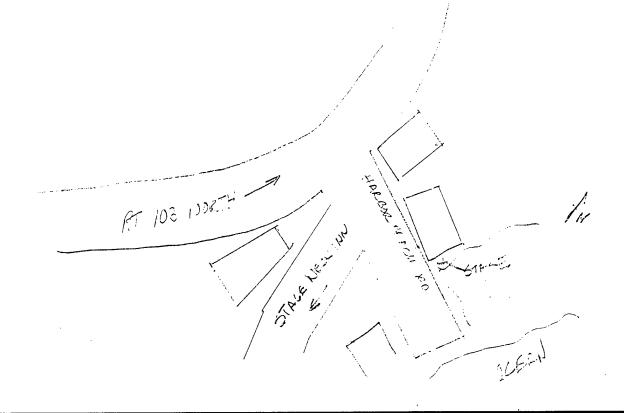
New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Atlantic Ocean		YI
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
, come of	York Harbor	ME
(Tributary of)	(City or Town)	(State)
	oris line outlining poss	ible high water mark
from flow from west side of Stage N	Neck, Harbor Beach Rd.	
7 November 1991	Mark Deschenes and	Victor Hom
(Date obtained)	(Obta	ained by)
(Name and address of pe	erson pointing out high v	watermark)
Debris Line (If not pointed out, how obtained?	(Date and hour	r of high watermark)
(Elev. of high watermark) (Dat	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	n) (Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high water	other points on mark, elevation of

27 Sept 49	CORPS OF ENGINEERS, U.S. ARMY	PAGE
SUBJECT HW MARKS FOR	J:T 3: = 200B	
COMPUTATION YORK LARGE IC	11 <u>C</u> -	
COMPUTED BY VHOW - DIFFEE.	CHECKED BY	DATE



H.W. MARK ACROSS 14791 FROM STAGENETH INN REC AREA ON HARBOR BEACH RD @ MO



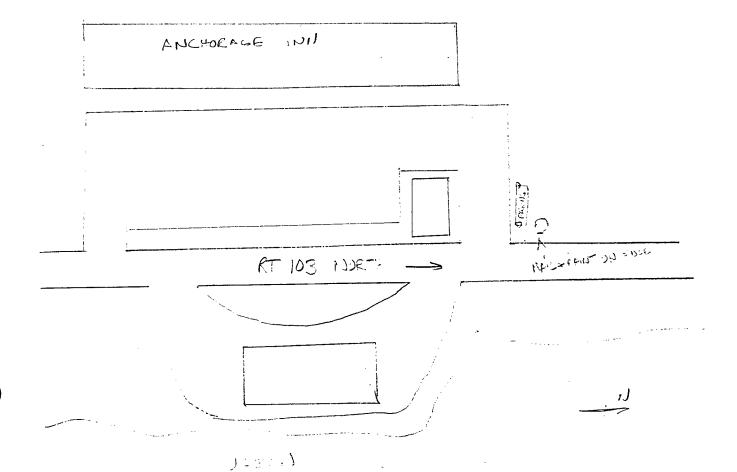
New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

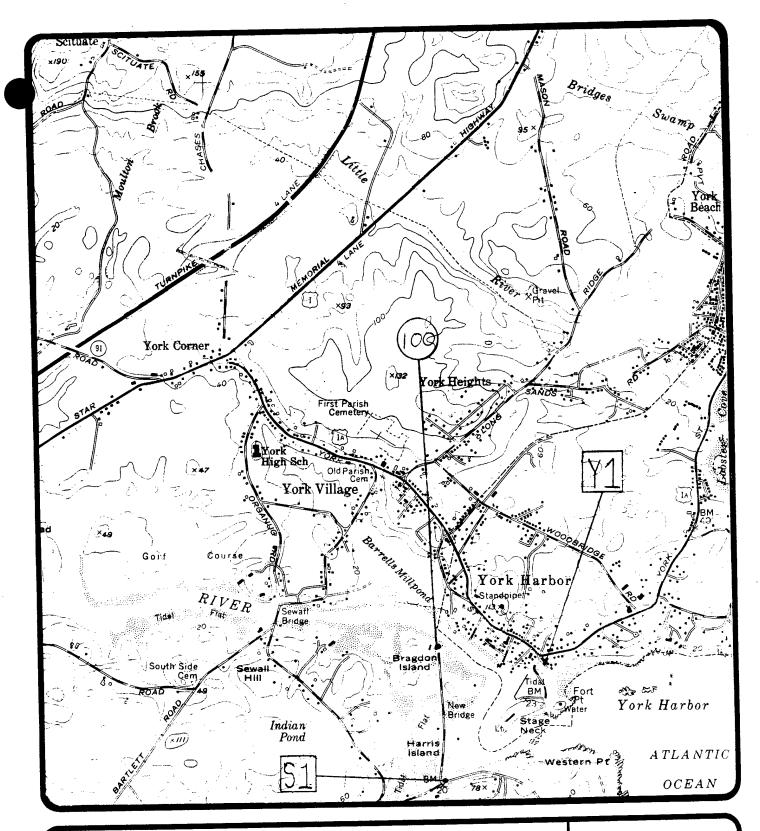
Atlantic Ocean	•	Y 2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
(Name of Aiver, 22) of medical	York	ME
(Tributary of)	(City or Town)	(State)
	Debris along Rt. 130 where	ide rose above road
	on telephone pole; nail in p	pole also.
7 November 1991	Victor Hom and Ma	rk Deschenes
(Date obtained)	(Obtai	ned by)
(Name and address of Debris Line (If not pointed out, how obtained	person pointing out high water ed?) (Date and hour	of high watermark)
(Elev. of high watermark) (I	Datum) (Benchmark refo	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstre	eam) (Latitude and lo	ngitude of watermark)
Remarks - (Failure of dams upstrong hydrograph, factors the previous flood heights	at might affect high waterm	other points on ark, elevation of

27 Sept 49 CORPS OF ENGINEERS, U.S. ARMY SUBJECT HW JULPUS FOR DCT 2. FLOOD	7AUC
COMPUTATION	
COMPUTED BY CHECKED BY DATE	



HIW. MARK ON TELEPHONE POLE 15-20' FROM PARKING ENTRANCE TO ANCHOR. INN 112 CI (D) MO



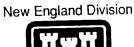


High Water Mark Location Map Halloween Storm, October, 1991

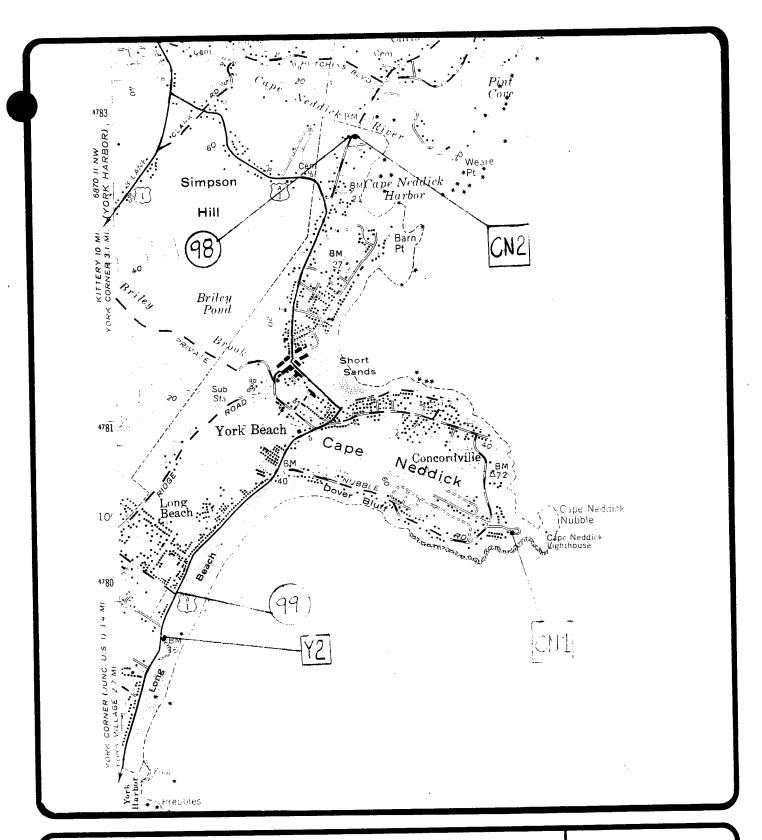
USGS 7.5 Minute Quadrangle - York Harbor, Maine

- 1991

O - 1978



US Army Corps of Engineers



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle -

York Beach, Maine

- 1991

O - 1978

New England Division



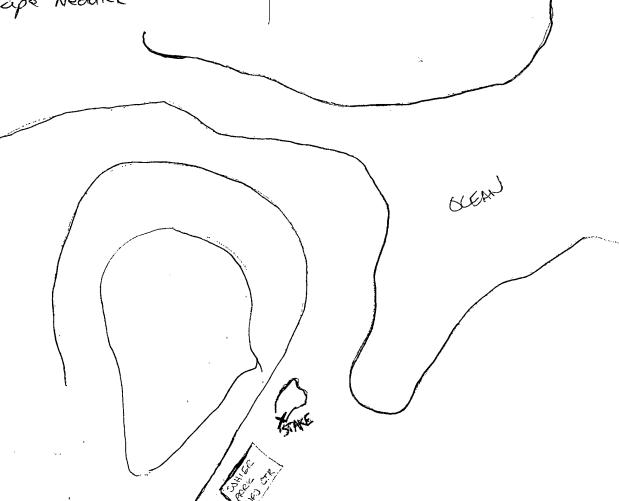
US Army Corps of Engineers

APPENDIX

CAPE NEDDICK, MAINE

Atlantic Ocean		CNI
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
Colonia de la co	Cape Neddick	ME
(Tributary of)	(City or Town)	(State)
Description of high watermark: at Cape Neddick.	Stake at debris line on	interior shelter cove
7 November 1991	Victor Hom and	l Mark Deschenes
(Date obtained)	(0)	btained by)
(Name and address of Debris Line	f person pointing out hig	
(If not pointed out, how obtain	ned?) (Date and h	our of high watermark)
Good		
(Elev. of high watermark)	(Datum) (Benchmark	referred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downst	ream) (Latitude and	longitude of watermark)
Remarks - (Failure of dams upst hydrograph, factors t previous flood height	ream, elevation and time hat might affect high wat s at same point, etc.)	of other points on ermark, elevation of

NED FORM 223 27 Sept 49 SUBJECT HW MARK FOR OCT COMPUTATION CEPT MEDICK INC. COMPUTED BY MARKET WE HAVE	
H.W CN1 Cape Neddick	I SEEGUC.



Atlantic Ocean		CN2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay of Marbot)	Cape Neddick	ME
(Tributary of)	(City or Town)	(State)
	•	W. 115.h. Direce
Description of high watermark: Debi	ris line on banks of Ca	pe Neddick River.
Paint line on tree at camp ground.		
7 November 1991	Mark Deschenes a	and Victor Hom
(Date obtained)		ained by)
(Date obtained)		
(Name and address of per	son pointing out high	watermark)
	•	
Debris Line (If not pointed out, how obtained?)	(Date and hour	r of high watermark)
(II not pointed out, now obtained)		
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark	(Date & Hour)	(Class. of watermark
above water surface)		
	(2-1-2)	(Order of levels)
(Elevation determined by)	(Date)	(Order or revers)
	(Latitude and 1	ongitude of watermark)
(Nearest dam upstream or downstream) (Latitude and i	
Remarks - (Failure of dams upstream	, elevation and time of	other points on
hydrograph, factors that i	might affect nigh water	mark, elevation of
previous flood heights at	same point, etc.,	

NE	C	FOF	M	223
27	S	Sept	49	9

NEW ENGLAND DIVISION

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SUBJECT COMPUTATION CAPE NEDDICK NE

COMPUTED BY M. DESCRETES 4- V. FORS CHECKED BY

PAGE ____



H. W. CN2 Shore Rd, Cape Neddick

540RE CD CARL NODICK PUKE WHILL BAINT REA

A.1. A. Comm		CN3
Atlantic Ocean	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)		
	Cape Neddick (Phillip	s Cove) ME
(Tributary of)	(City or Town)	(State)
Description of high watermark: Debr	ris line on inside pond	at Phillips Cove.
Stake placed at debris line.		
7 November 1991	Victor Hom and M	lark Deschenes
(Date obtained)		nined by)
(3000 3000)		
		istormark)
(Name and address of per	son pointing out night	valer mark)
Debris		
(If not pointed out, how obtained?)	(Date and hour	of high watermark)
Good		
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)
(Elev. of high watermark) (2000		
		(Class. of watermark
(Elevation of high watermark	(Date & Hour)	(Class. of Watermark
above water surface)		
(Elevation determined by)	(Date)	(Order of levels)
·		
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
(Nealest dam dpstream of downstream,	•-	
Remarks - (Failure of dams upstream, hydrograph, factors that m	elevation and time of	other points on
previous flood heights at	same point, etc.)	
previous zione menginee an		
•		

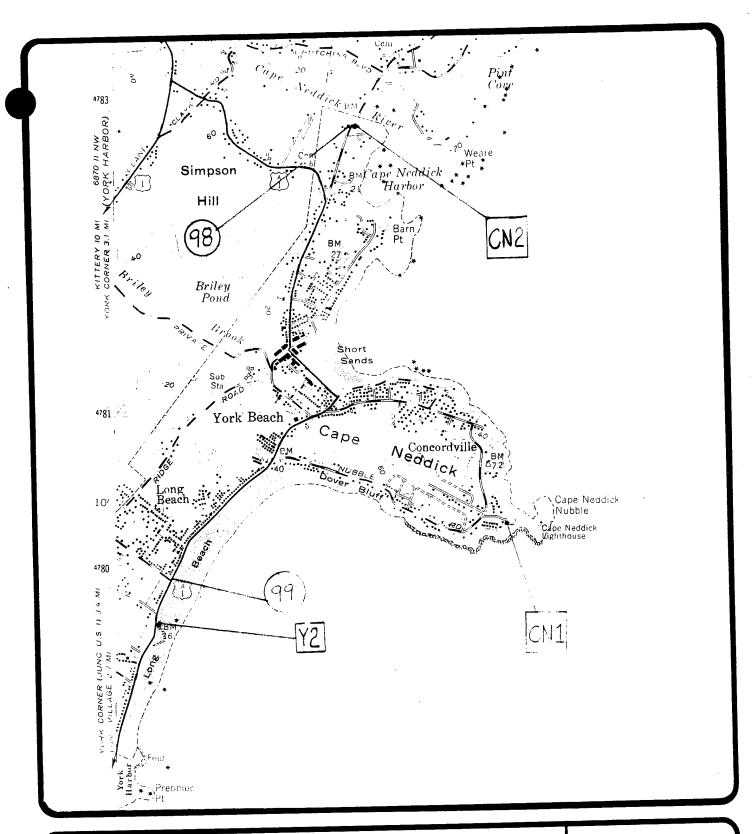
SUBJECT H.W MARKS FOR DUT OI FLOOD

CAPE INGERED LYS. COMPUTATION PHILLIPS COVE

COMPUTED BY THOM A IN LESS FONES CHECKED BY



WMIZ H.W. MARK STAKED IN FROMT OF I PHILIPS COUST PHILIPS COVE 11/7/91 am at



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle -

York Beach, Maine

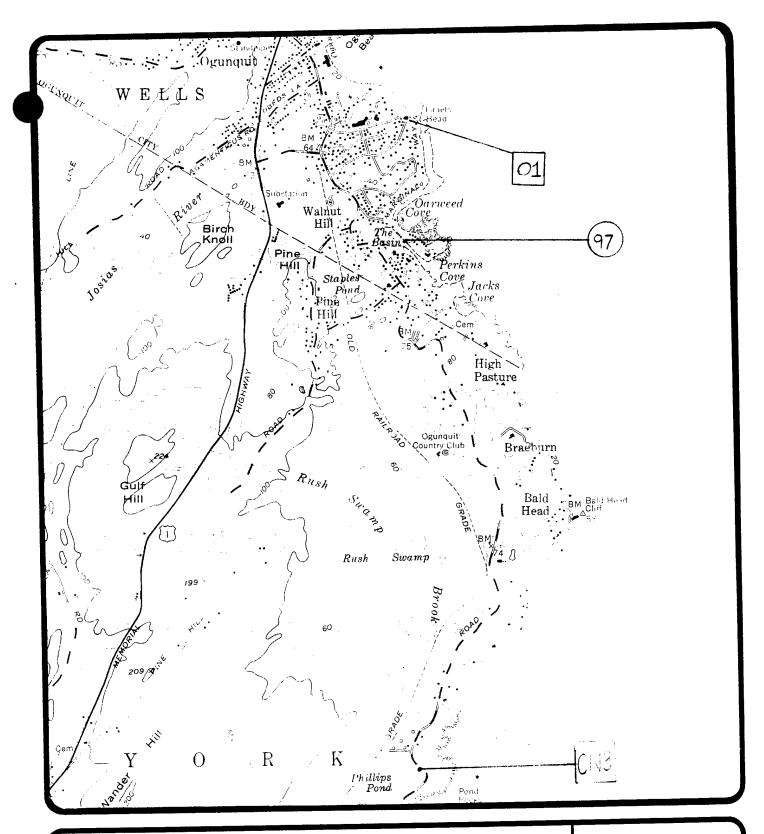
- 1991

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New England Division



US Army Corps of Engineers



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Wells, Maine

- 1991

O - 1978

New England Division



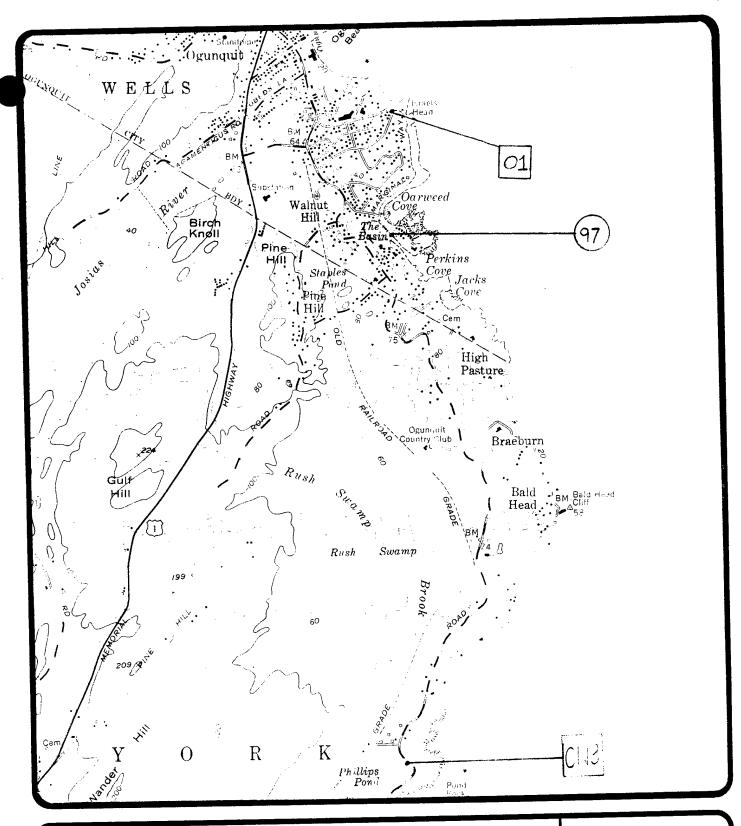
US Army Corps of Engineers

APPENDIX

OGUNQUIT, MAINE

Atlantic Ocean		01 ,
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Ogunquit	ME
(Israels Head) (Tributary of)	(City or Town)	(State)
(11100001) 00,	-	6
Description of high watermark:	Stake at intersection	across from small
lighthouse in a protected area.		
7 November 1991	Victor Hom and M	Mark Deschenes
(Date obtained)	(Obta	ained by)
(2222		
(Name and address of pe	erson pointing out high v	watermark)
Debris Line	•	
(If not pointed out, how obtained?	(Date and hour	r of high watermark)
(II not pointed out, now consume	•	
Good		
(Elev. of high watermark) (Date	tum) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)		
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	m) (Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights a	might affect high water	other points on mark, elevation of
	<u> </u>	

NED FORM 223 27 Sept 49 SUBJECT H.W MERISS FOR COMPUTATION OGONQUIT ME COMPUTED BY W. DESCHENES & J. H	-	S ARMY PAGE
		JEEN!
H.W. 01 Ogunqu Israel's Head	it, Me.	
ISRAEL HEAL CREA	- Bite	SIJALL D-16 UTHOUSE APPROX 15' HIGH
· · · · ·		WHITE HOUSE



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Wells, Maine

- 1991

O - 1978

New England Division



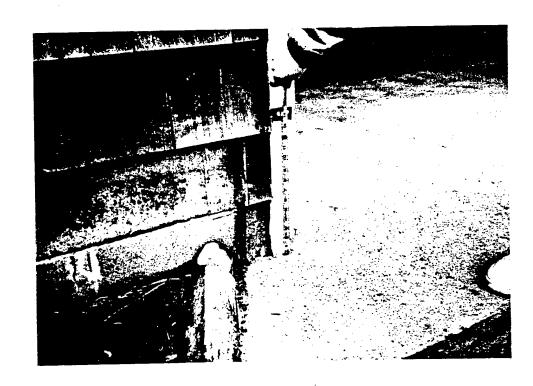
US Army Corps of Engineers

APPENDIX

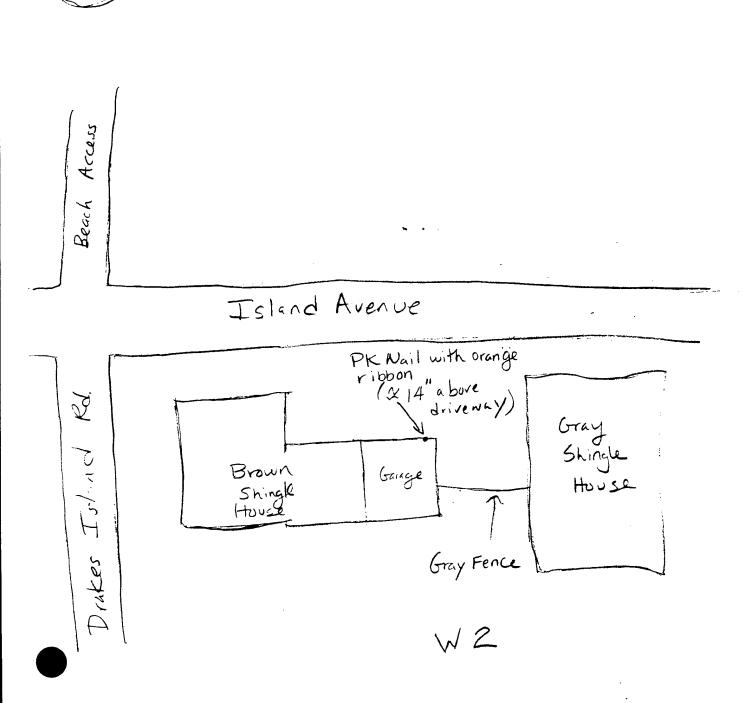
WELLS, MAINE

		W2
tlantic Ocean	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)	Wells	ME
	(City or Town)	(State)
(Tributary of)		
escription of high watermark:	PK nail with orange ribb	oon to the left of the
garage door approximately 14 inches	a above driveway marks he	eight of water.
garage door approximately 14 inche	S above drivenay	
		· · · · · · · · · · · · · · · · · · ·
1001	Karen Schofi	eld and John Yen
6 November 1991	(Obta	ained by)
(Date obtained) Bob Carberry (Mailing: RR4 Box 5	20 Wells Street) Island	Ave.
Bob Carberry (Mailing: RR4 Box)	weils believe out high	watermark)
(Name and address of p	erson pointing out high	
		S biob watermark)
(If not pointed out, how obtained	?) (Date and nou	r of high watermark)
		eferred to) (Datum
(Elev. of high watermark) (Da	atum) (Benchmark re	eferred to) (Datum
		eferred to) (Datum
(Elev. of high watermark) (Da (Elevation of high watermark above water surface)	(Benchmark re	eferred to) (Datum
(Elev. of high watermark) (Da	atum) (Benchmark re	(Class. of watermar
(Elev. of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by)	(Date & Hour) (Date)	(Class. of watermar
(Elev. of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by)	(Date & Hour) (Date)	(Class. of watermar
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstre hydrograph, factors that are filled heights	(Date & Hour) (Date & Hour) (Date) am) (Latitude and time of the might affect high water at same point, etc.)	(Class. of watermar (Order of levels) longitude of watermark of other points on crmark, elevation of
(Elev. of high watermark) (Date of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstremarks - (Failure of dams upstremarks hydrograph, factors that previous flood heights NOTE: Not very confident point.	(Date & Hour) (Date) (Date) am) (Latitude and time out might affect high water at same point, etc.) Probable overtopped flo	(Class. of watermar (Order of levels) longitude of watermark of other points on ermark, elevation of
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstre hydrograph, factors that are filled heights	(Date & Hour) (Date) (Date) am) (Latitude and time out might affect high water at same point, etc.) Probable overtopped flo	(Class. of watermar (Order of levels) longitude of watermark of other points on ermark, elevation of



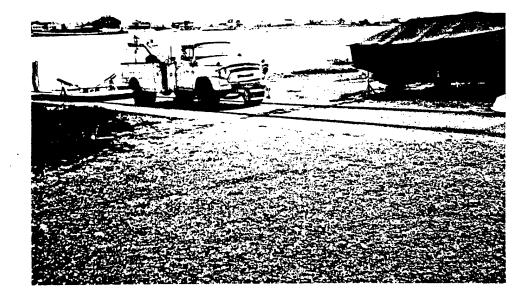


Drakes Island Beach

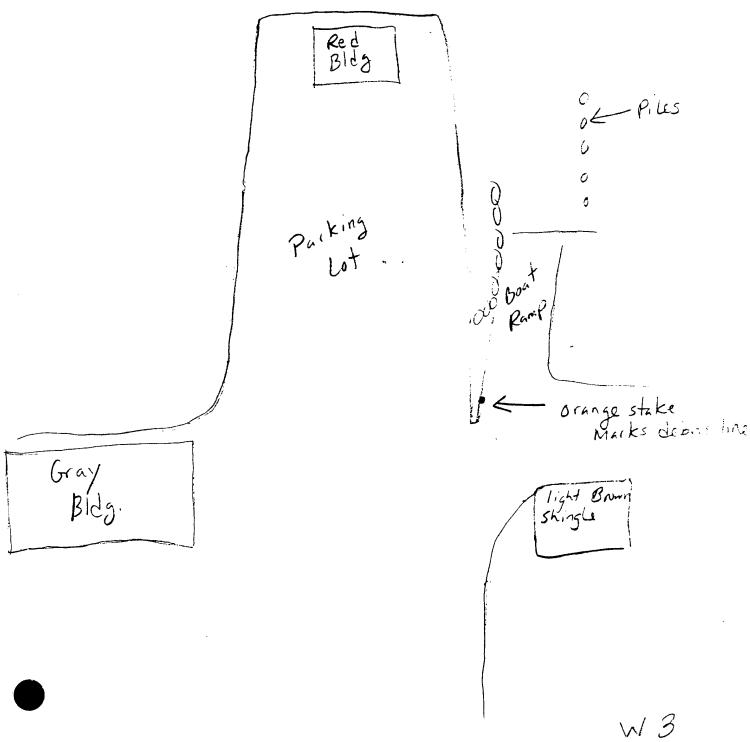


marks the debris line location. The stake is near the boat ramp to the right of the parking lot. The stake is on the left of the ramp. Highwater mark is where the stake and the ground meet. 7 November 1991 (Date obtained) (Obtained by) Worker at Harbor confirmed the debris line as the highwater mark. (Name and address of person pointing out high watermark) Distinct Debris Line (If not pointed out, how obtained?) (Date and hour of high watermark (Elevation of high watermark	1011010	ver	W 3
Wells Wells ME (City or Town) (State) Scription of high watermark: Wells Harbor Food and Boat. Orange stake marks the debris line location. The stake is near the boat ramp to the right of the parking lot. The stake is on the left of the ramp. Highwater mark is where the stake and the ground meet. 7 November 1991 Karen Schofield and John Yen (Obtained by) Worker at Harbor confirmed the debris line as the highwater mark. (Name and address of person pointing out high watermark) Distinct Debris Line (If not pointed out, how obtained?) (Elev. of high watermark) (Elev. of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Date & Hour) (Class. of watermark (Date) (Nearest dam upstream or downstream) (Latitude and longitude of watermark) reperious flood heights at same point, etc.)	Day on Harbor)	(Miles from Mouth)	(Watermark No.)
(City or Town) (State) Wells Harbor Food and Boat. Orange stake marks the debris line location. The stake is near the boat ramp to the right of the parking lot. The stake is on the left of the ramp. Highwater mark is where the stake and the ground meet. 7 November 1991 (Date obtained) (Obtained by) Worker at Harbor confirmed the debris line as the highwater mark. (Name and address of person pointing out high watermark) Distinct Debris Line (If not pointed out, how obtained?) (Elev. of high watermark) (Datum) (Elevation of high watermark above water surface) (Elevation determined by) (Date and longitude of watermark above water surface) (Nearest dam upstream or downstream) (Latitude and longitude of watermark, elevation of approximate flood heights at same point, ett.)	ame of River, Bay of Harbory	-	ME
Scription of high watermark: Wells Harbor Food and Boat. Orange stake marks the debris line location. The stake is near the boat ramp to the right of the parking lot. The stake is on the left of the ramp. Highwater mark is where the stake and the ground meet. 7 November 1991 Karen Schofield and John Yen (Date obtained) (Obtained by) Worker at Harbor confirmed the debris line as the highwater mark. (Name and address of person pointing out high watermark) Distinct Debris Line (If not pointed out, how obtained?) (Date and hour of high watermark) (Elev. of high watermark above water surface) (Datum) (Benchmark referred to) (Date and hour of high watermark above water surface) (Class. of watermark above water surface) (Date & Hour) (Class. of watermark above water surface) (Latitude and longitude of watermarks above water or downstream) (Latitude and longitude of watermarks are view for the points on hydrograph, factors that might affect high watermark, elevation of area views flood heights at same point, etc.)			(State)
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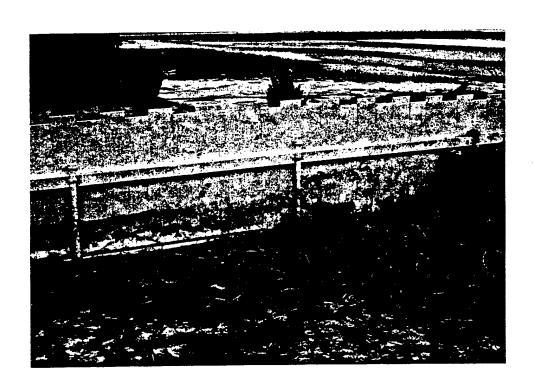


Webhannet. River



Atlantic Ocean		
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
(Name of River, 22)	Wells	ME
(Tributary of)	(City or Town)	(State)
	Two orange ribbons mark o	debris line on fence.
scription of high watermark:		
The mark is approximately I foot		
on the 4th pole in from the ocean	n. There is also a tag on	n the 3rd pole from th
ocean.		
7 November 1991		eld and John Yen
(Date obtained)	· · · · · · · · · · · · · · · · · · ·	ained by)
William Chick, 318 Atlantic Aven	ue and Theresa Mailhot, 3	19 Atlantic Ave (owner
or and address of t	person pointing out high t	watermark)
		r of high watermark)
(If not pointed out, how obtained		r of high watermark)
(If not pointed out, how obtained (Elev. of high watermark) (Elevation of high watermark	d?) (Date and hou	r of high watermark) eferred to) (Datum
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Highwater Mark TY Wells, MC



Atlantic Uclass.

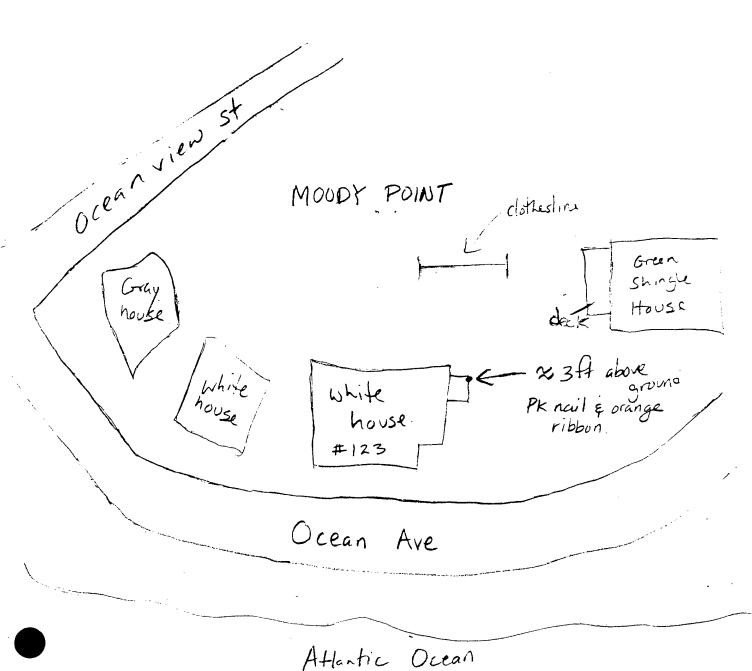
not far away Wells Beach. white fence or ange top of bottom inil of fence Green Atlantic Avenue Atlantic Fre 5 Jetty in background.

W4

			W ⁵
tlantic Ocean	(Miles from M	outh)	(Watermark No.)
(Name of River, Bay or Harbor)	(ulles from the		N/T
	Wells		ME (State)
(Tributary of)	(City or Tow	m)	(State)
	PK nail and or	ange rib	obon on stairs on the
escription of high watermark:			
eft side of the house. The mark	is approximately	3 feet a	above the ground at
hat point.			
7 November 1991	Karen		ld and John Yen
(Date obtained)		(Obta	ined by)
Steve Ferguson, 123 Ocean Avenue		•	
(Name and address of p	pointing ou	r high	watermark)
substantiates point on stairs (If not pointed out, how obtained	(Date	and hou	r of high watermark)
substantiates point on stairs (If not pointed out, how obtained			ferred to) (Datum)
(If not pointed out, how obtained (Elev. of high watermark)	atum) (Bench	hmark re	
substantiates point on stairs (If not pointed out, how obtained	atum) (Bench		ferred to) (Datum)
(If not pointed out, how obtained (Elev. of high watermark) (Elevation of high watermark above water surface)	(Date &	hmark re	ferred to) (Datum)
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(If not pointed out, how obtained (Elev. of high watermark) (Elevation of high watermark above water surface) (Elevation determined by)	(Date &	Hour)	ferred to) (Datum) (Class. of watermar)
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(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstree hydrograph, factors that previous flood heights NOTE: Mostly Confident Point.	(Date & (Date) & (Date	Hour) de and d time o igh wate tt.) owner's	(Class. of watermark) (Order of levels) longitude of watermark f other points on rmark, elevation of son. However, close
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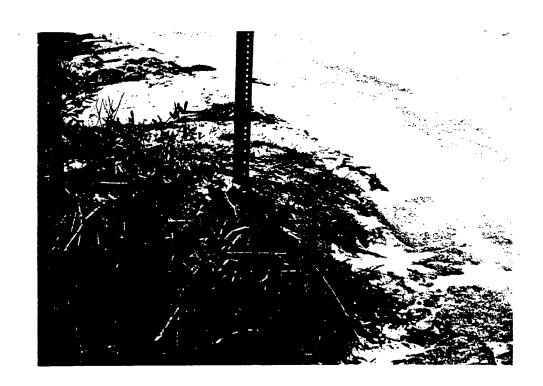




W5

rom Mouth)	W6 (Watermark No.) ME
	ME
	(State)
1 10,	•
op sign on r	ight side of road
g for and en	ne Ogunquit Waste Water
ground at t	the stop sign.
Voren Schof	ield and John Yen
(Obt	ained by)
ng out high	watermark)
Data and hou	r of high watermark)
pate and nou	it of magnines
	oferred to) (Datum)
Benchmark re	eleried to) (Success)
ate & Hour)	(Class. of watermark
(Date)	(Order of levels)
atirude and	longitude of watermark)
	· · ·
n and time C	of other points on ermark, elevation of
	alevation Of
ct high wate	ermark, erevacion
ct high wate	ermark, elevation of
it, etc.)	
ng lot appear	red to have been fi <u>lled</u>
ng lot appear	
	Karen Schof: (Obt (Obt Date and house) (Date) atitude and

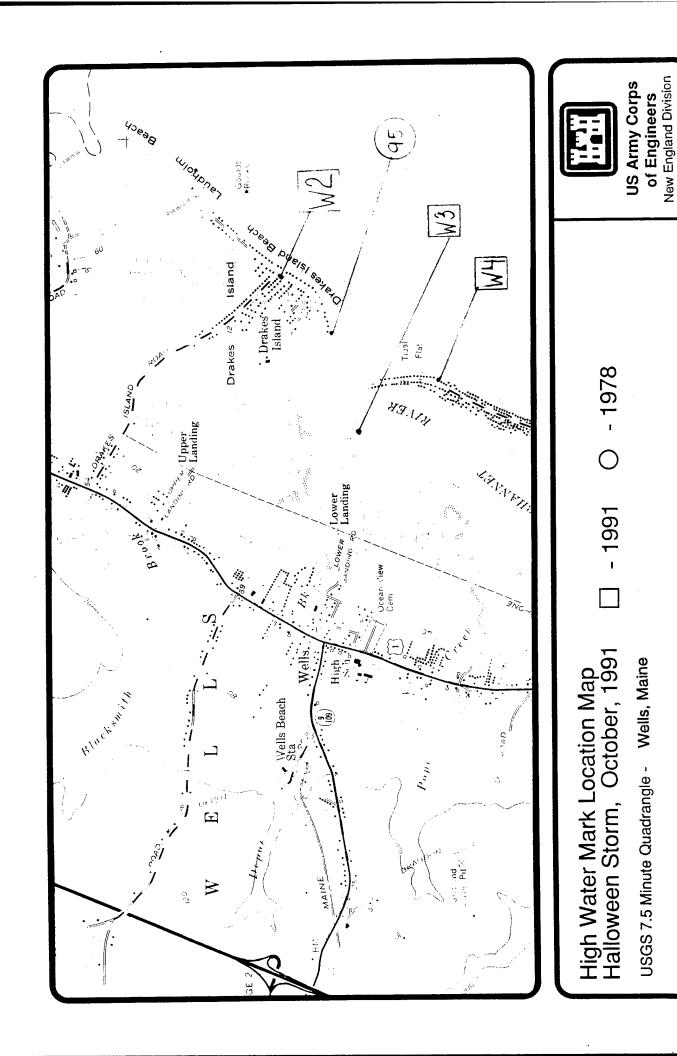


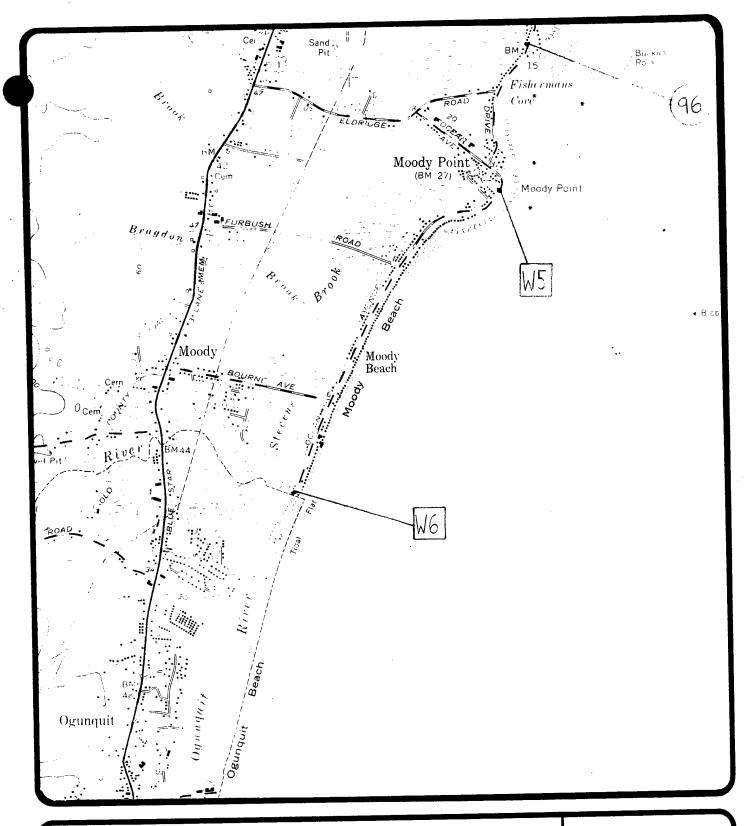


Marshland. Ocunguit Waste Water Treatment Plant Gray shingle House BONG House Parking Lot # 1775 ribbon approx 1 fa above ground wooden fence Blue & Brown House wells Beach

Atlantic Ocean

W 6





High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Wells, Maine

- 1991

O - 1978

New England Division



US Army Corps of Engineers

APPENDIX

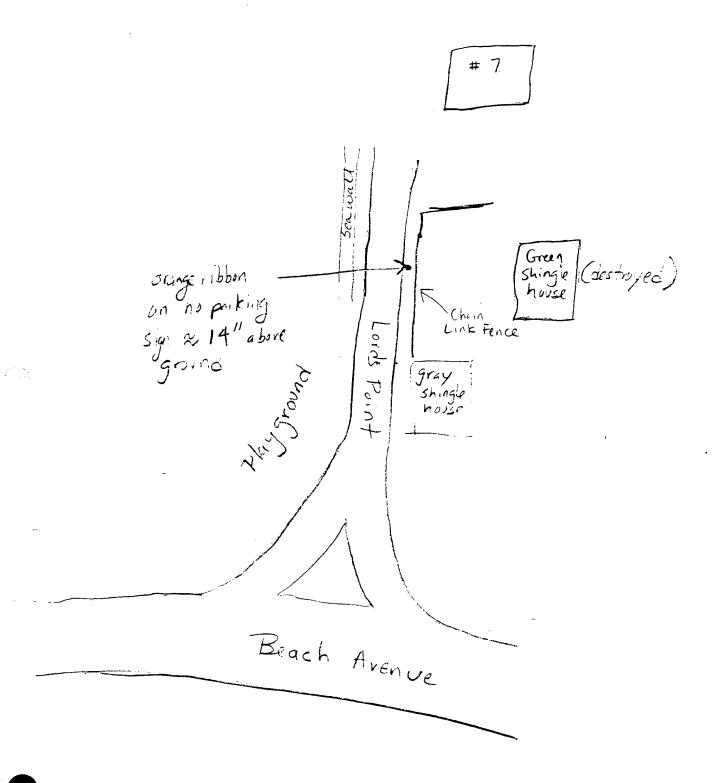
KENNEBUNK, MAINE

at with Oppor	_	KB1
tlantic Ocean	(Miles from Mouth)	(Watermark No.)
Name of River, Bay or Harbor)	Kennebunk	ME
	(City or Town)	(State)
(Tributary of)	range ribbon on "No Parki	ne" sign in front
scription of high watermark:	range ribbon on No Tarki	
of fence between a gray and a gre	on house on right side of	road across from
of fence between a gray and a gre	en nouse on 125	at the sign
playground. Mark is approximatel	y 14 inches above ground	at the sign.
		1 I I I Von
7 November 1991	Karen Schofield	ained by)
(Date obtained)	•	Illied by
	7 Lords Point	·
(Name and address of p	erson pointing out high	watermark)
Debris line along fence and		
anid road was flooded.	(Deta and hou	r of high watermark)
(If not pointed out, how obtained	.,	
(Elev. of high watermark) (Da	atum) (Benchmark re	eferred to) (Datum
(Elev. of high watermark)		rielieu do,
(Elev. of high watermark) (Date (Elevation of high watermark above water surface)	atum) (Benchmark re	rielieu do,
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(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstre	(Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date)	(Class. of waterman (Order of levels) longitude of waterman of other points on ermark, elevation of
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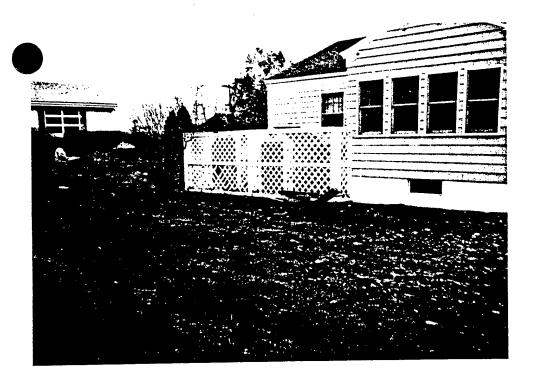


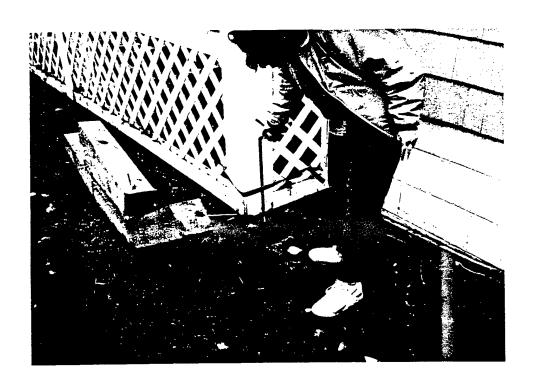


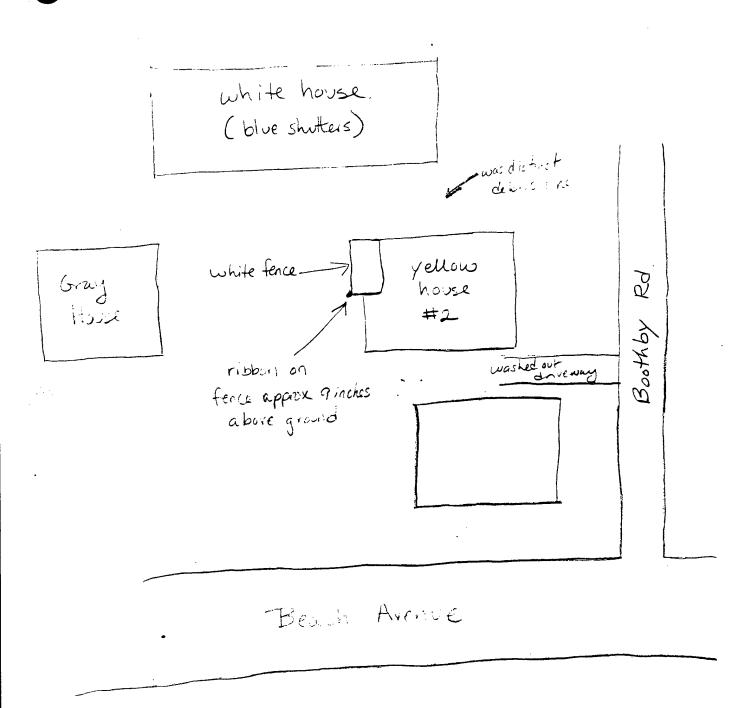
KB1

		KB2
Atlantic Ocean	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)		ME
	(City or Town)	(State)
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	range ribbon on white fen	ce in back of
escription of high watermark:	shows the ground (See	drawing)
yellow house approximately 9 inche	es above the ground. (bec	413,13107
1001	Karen Schofield	and John Yen
6 November 1991		ined by)
(Date obtained)	•	
	high to	estermark)
(Name and address of p	person pointing out high w	G C C 1 mas/
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(If not pointed out, how obtained	(Date and hour	of high watermark)
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NOTE: Point is a little question allowed us to tag fence but not v	ery cooperative. Access t	point may not he possi
NOTE: Point is a little question allowed us to tag fence but not v	ery cooperative. Access I	point may not he possi
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NOTE: Point is a little question allowed us to tag fence but not v (Elev. of high watermark) (Elevation of high watermark	ery cooperative. Access reactum) (Benchmark res	ferred to) (Datum) (Class. of watermark
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NOTE: Point is a little question allowed us to tag fence but not v (Elev. of high watermark) (D. (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstream above water surface)	able. Owner not there. Access recoperative. Access reatum) (Benchmark resolution) (Date & Hour) (Date) eam) (Latitude and leam, elevation and time of at might affect high water	ferred to) (Datum) (Class. of watermark) (Order of levels) ongitude of watermark)
NOTE: Point is a little question allowed us to tag fence but not v (Elev. of high watermark) (D. (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstrest hydrograph, factors the previous flood heights	able. Owner not there. Recent ery cooperative. Access the second of the	ferred to) (Datum) (Class. of watermark) (Order of levels) ongitude of watermark other points on mark, elevation of
NOTE: Point is a little question allowed us to tag fence but not v (Elev. of high watermark) (D. (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream)	able. Owner not there. Recent ery cooperative. Access the second of the	ferred to) (Datum) (Class. of watermark) (Order of levels) ongitude of watermark) other points on mark, elevation of
NOTE: Point is a little question allowed us to tag fence but not v (Elev. of high watermark) (D. (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstrest hydrograph, factors the previous flood heights	able. Owner not there. Recent ery cooperative. Access the second of the	ferred to) (Datum) (Class. of watermark) (Order of levels) ongitude of watermark) other points on mark, elevation of

DUCK TO STREET IN THE TY U.







Kennebunk Beach

KB2

		KB3
tlantic Ocean	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)		ME
·	Kennebunk	ME (State)
(Tributary of)	(City or Town)	•
	(From front) PK nail with	orange ribbon on left
escription of high watermark: _		
side of house (#102) on left sid	e of white basement door ap	proximately 22 inches
above the bottom of the door.		
5 November 1991	Ken Schofield a	
(Date obtained)	(Obta	ined by)
Mrs. William Hotra, 102 Beach Av	venue (Kennebunk Beach)	
Mrs. William Hotra, 102 Beach III	person pointing out high w	atermark)
(If not pointed out, how obtain	ned?) (Date and hour	r of high watermark)
	(Date and hour	
<u> </u>	(Datum) (Benchmark re	ferred to) (Datum)
(Elev. of high watermark)	(Datum) (Benchmark re	ferred to) (Datum)
	(Datum) (Benchmark re	ferred to) (Datum)
(Elev. of high watermark) (Elevation of high watermark	(Datum) (Benchmark re	ferred to) (Datum) (Class. of watermar)
(Elev. of high watermark) (Elevation of high watermark above water surface)	(Datum) (Benchmark re	ferred to) (Datum)
(Elev. of high watermark) (Elevation of high watermark	(Datum) (Benchmark re (Date & Hour) (Date)	ferred to) (Datum) (Class. of watermark) (Order of levels)
(Elev. of high watermark) (Elevation of high watermark above water surface) (Elevation determined by)	(Datum) (Benchmark re (Date & Hour) (Date)	ferred to) (Datum) (Class. of watermark) (Order of levels)
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downst	(Datum) (Benchmark re (Date & Hour) (Date) (Tream) (Latitude and the second s	ferred to) (Datum) (Class. of watermark) (Order of levels)
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downst hydrograph, factors by the surface of dams upstream of dams upstream of dams upstream flood heigh	(Datum) (Benchmark re (Date & Hour) (Date) tream) (Latitude and : tream, elevation and time o that might affect high wate ts at same point, etc.)	ferred to) (Datum) (Class. of watermark) (Order of levels) longitude of watermark f other points on rmark, elevation of
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downst hydrograph, factors previous flood height works. Fairly confident point.	(Datum) (Benchmark re (Date & Hour) (Date) (Tream) (Latitude and time of that might affect high water ts at same point, etc.) Definite flooding and discontinuous contracts and discontinuous contracts at same point, etc.)	ferred to) (Datum) (Class. of watermark) (Order of levels) longitude of watermark f other points on rmark, elevation of the tinct line. However,
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downst	(Datum) (Benchmark re (Date & Hour) (Date) (Tream) (Latitude and time of that might affect high water that same point, etc.) Definite flooding and disconnected that december the december	ferred to) (Datum) (Class. of watermark) (Order of levels) longitude of watermark f other points on rmark, elevation of tinct line. However, bris line. May be

was contracted to the contract

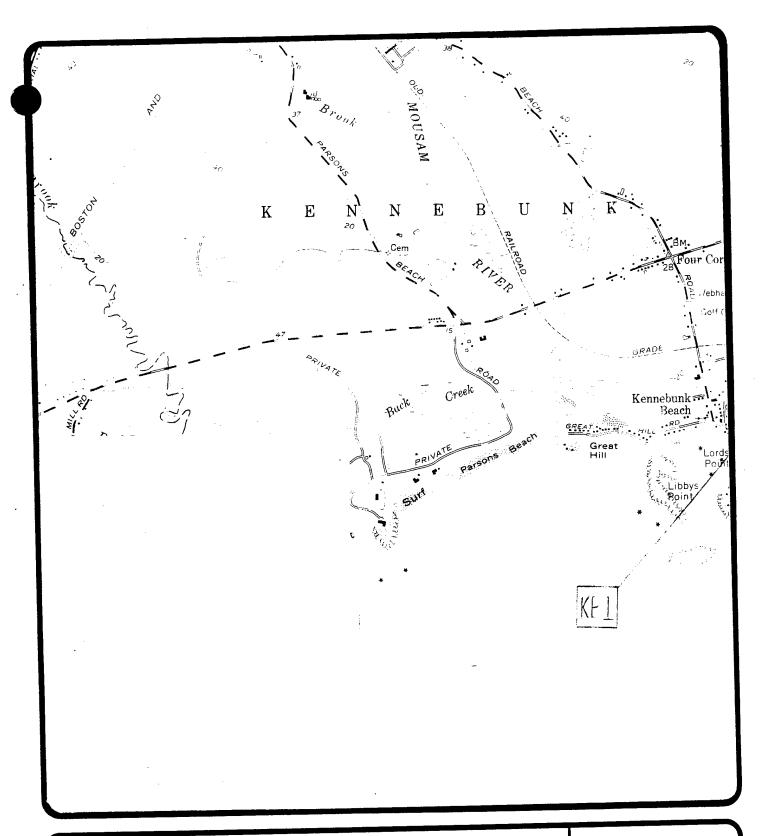




Kennebunk Beach Beach Avenue Direway #102 NEW Gray Brown Brown weathered House HOUSE shingle house PK Nail with orange ribbon approx.

22 inches from bottom of accor. Pole # J49 Roadway

KB3



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Wells, Maine

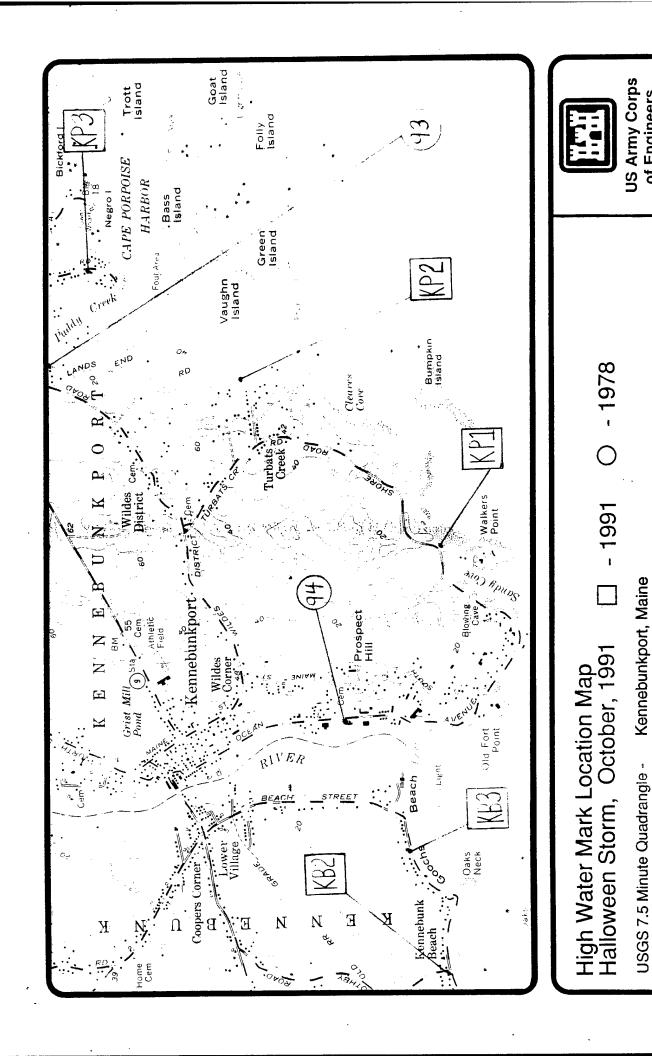
- 1991

O - 1978

New England Division



US Army Corps of Engineers



New England Division

of Engineers

APPENDIX

KENNEBUNKPORT, MAINE

		KPI
tlantic Ocean	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)	(urres from more)	
	Kennebunkport	ME
	(City or Town)	(State)
(Tributary of)	•	noted at an an left s
	Ribbon on yellow "Hidde	en Drive" sign on left s
escription of high watermark:	and the character group	and The sign is around
f street. Ribbon is approximatel	ly 22 inches above the grou	1110 028-1
he corner after Bush's house.		
November 1991	Karen Schofield	and John Yen
	(Obt	ained by)
(Date obtained)		
	person pointing out high	-1.
oad is washed out and ocean debr	is within marshram.	r of high watermark)
coad is washed out and ocean debrion (If not pointed out, how obtains	is within marshram.	eferred to) (Datum)
Road is washed out and ocean debrion (If not pointed out, how obtained)	ed?) (Date and hou	eferred to) (Datum)
(Elev. of high watermark) (Flevation of high watermark)	Datum) (Benchmark re (Date & Hour) (Date)	(Class. of watermark) (Order of levels)
(Elevation of high watermark) (Elevation of high watermark above water surface)	Datum) (Benchmark reconstruction) (Date & Hour)	(Class. of watermark) (Order of levels)
(Elevation of high watermark) (Elevation determined by) (Nearest dam upstream or downstreed)	Datum) (Benchmark ream) (Date & Hour) (Date) (Date)	(Class. of watermark) (Order of levels) longitude of watermark)
(Elevation of high watermark) (Elevation of high watermark above water surface) (Nearest dam upstream or downstream or downstream or townstream or townstr	Datum) (Benchmark ream) (Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date)	(Class. of watermark) (Order of levels) longitude of watermark) of other points on ermark, elevation of
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstream hydrograph, factors to previous flood height NOTE: Confident Point. Knowledge	Datum) (Benchmark ream) (Date & Hour) (Date & Hour) (Date) (Date)	(Class. of watermark) (Order of levels) longitude of watermark) of other points on ermark, elevation of backed up by marsh on ot
(Elevation of high watermark) (Elevation of high watermark above water surface) (Nearest dam upstream or downstream or downstream or townstream or townstr	Datum) (Benchmark ream) (Date & Hour) (Date & Hour) (Date) (Date)	(Class. of watermark) (Order of levels) longitude of watermark) of other points on ermark, elevation of backed up by marsh on ot



TO BUSH'S
HOUSE



Marshland Yellow "Hidden Drive" Sign (with orand) on left side of Street around Corner. (orange ribben apprex. 22 inches above ground on sign.) washed out Road Entrance shore red little nill on correct with Guidhouse Pocks KPI Walkers Point Bush's House

			KP2
ırbats Creek	(Wiles f	rom Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)	(UITES :	10,	
	Kennebunk		ME (State)
(D. (Lucery of)	(City	r Town)	•
(Tributary of)	Mr. Fick	has a dated 1	ine on the back side
scription of high watermark:			
f the house near the stairs. Ora	ange ribbon a	lso marks loc	ation. Mark is approx
i the house hear the transfer			
	ע	oran Schofie	ld and John Yen
November 1991			
(Date obtained)		(Obt	ained by)
	oad to Shawmi	it Inn)	
fr. William Fick (at the end of r	oad to bridge	ine out high	watermark)
(If not pointed out, how obtaine	d?)	(Date and hou	r of high watermark)
		(Date and hou	
	Oatum)	(Benchmark re	eferred to) (Datum)
	Oatum)		(Class. of watermar
(Elev. of high watermark) (I (Elevation of high watermark above water surface)	Oatum)	(Benchmark re	eferred to) (Datum)
(Elev. of high watermark) (I	Oatum)	(Benchmark re	(Class. of watermar
(Elev. of high watermark) (I (Elevation of high watermark above water surface)	Datum)	(Benchmark red)	(Class. of watermar)
(Elev. of high watermark) (I (Elevation of high watermark above water surface) (Elevation determined by)	Datum) (I	(Benchmark red)	(Class. of watermar
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstream by) Remarks - (Failure of dams upstream bydrograph, factors the accordance flood heights	ream) (I	(Benchmark red) (Date & Hour) (Date) Latitude and on and time (ect high wate ant, etc.)	(Class. of watermar) (Order of levels) longitude of watermark of other points on ermark, elevation of
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstr	ream) (I	(Benchmark red) (Date & Hour) (Date) Latitude and on and time (ect high wate ant, etc.)	(Class. of watermar) (Order of levels) longitude of watermark of other points on ermark, elevation of





proviously by Mr. Fich (amige hower also) Deck Stairs Drive way Roadnay.

KP2

Shawmut Inn

		KP3
ape Porpoise Harbor	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)	(WITES ITOM HOUSE	
	Kennebunkport	ME
(Tributary of)	(City or Town)	(State)
(Iffibutary 51)	Hydrant has orange ribbon	around it. BUT the
escription of high watermark:		
igh water mark is approximately	l inch below bottom of hydr	ant (not where
ribbon indicates). Ribbon only t	o show hydrant.	
	Karen Schofield	and John Yen
6 November 1991		
(Date obtained)	(Obtain	ined by)
,		
	person pointing out high w	atermark)
(Name and address of	person pointers	
Distinct debris line		- 5 bish watermark)
(If not pointed out, how obtained	ed?) (Date and hour	of high watermark)
(Elev. of high watermark) (Datum) (Benchmark ref	erred to) (Datum)
(Elev. of high watermann,	Datum) (Benchmark ref	erred to,
(Elev. of high watermark) ((Elevation of high watermark above water surface)	<i>y</i>	erred to,
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermar)
(Elevation of high watermark above water surface)	<i>y</i>	erred to,
(Flevation of high watermark	(Date & Hour)	(Class. of watermar) (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by)	(Date & Hour)	(Class. of watermar) (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstr	(Date & Hour) (Date) (Date) (Latitude and 1)	(Class. of watermar) (Order of levels) ongitude of watermark
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream	(Date & Hour) (Date) (Date) (Latitude and 1) ream, elevation and time of hat might affect high water s at same point, etc.)	(Class. of watermark) (Order of levels) ongitude of watermark other points on mark, elevation of
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream	(Date & Hour) (Date) (Date) (Latitude and 1)	(Class. of watermar) (Order of levels) ongitude of watermark other points on mark, elevation of
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream	(Date & Hour) (Date) (Date) (Latitude and 1) ream, elevation and time of hat might affect high water s at same point, etc.)	(Class. of watermark (Order of levels) ongitude of watermark other points on mark, elevation of





Highwaler at debis line below hydrand

(59, 25) white house Stop sign. "
Private way" wooden fence Yellow Hydrant marked wth stars ribbon. But High water was approx Lanysford Rd I inch below buttom of hyaling. Cape Porporse Pole # 45 Jak Hailor Gray House (says Mathews) KP3

			KP4
tlantic Ocean	- (Wiles fr	om Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)) (T
	Kennebunkpo		ME (State)
(Tributary of)	(City or	r Town)	(State)
	PK mail with	orange ribbo	n to the left of
scription of high watermark:			
ed basement door. Nail is appr	oximately 8 inc	hes above gr	ound.
	K	aren Schofie	ld and John Yen
November 1991			ined by)
(Date obtained)		. (ODE	lined by/
Deint			
(Name and address of	f person pointing	ng out high w	vatermark)
(Name and address of			
·		Date and hou	r of high watermark)
(If not pointed out, how obtain	ned?)	Date and	•
(22 1100 110			
		Benchmark re	forred to) (Datum)
(Elev. of high watermark)	(Datum)	Benchmark re	TELLER COV
(22000)			
Clab matermark	(Da	te & Hour)	(Class. of watermark
(Elevation of high watermark above water surface)			
above water sortios,			
		(Date)	(Order of levels)
(Elevation determined by)		(5010)	•
•			and of watermark)
(Nearest dam upstream or downs	tream) (L	atitude and	longitude of watermark)
(Weatest gam about			s cabor points DN
Remarks - (Failure of dams ups	tream, elevatio	n and time o	rmark, elevation of
Remarks - (Failure of dams ups hydrograph, factors	that might afte	ct ulbu mare	Imarky 000
NOTE: Mostly Confident Point.	Flooded from	marshland on	opposite side of road
Distinct line. However, overt	opping from oth	er side has	slight chance of affect
Distinct line. However, over			
mark.			
MCT IV			





Ĵ,

Atlantic Ocean

Gray Shingle House Red Door States to door Garage Pole # 41 J25 Marshall Point Rd. PK Nail with orange libbon apprex Sinches above ground Marshland

KP4

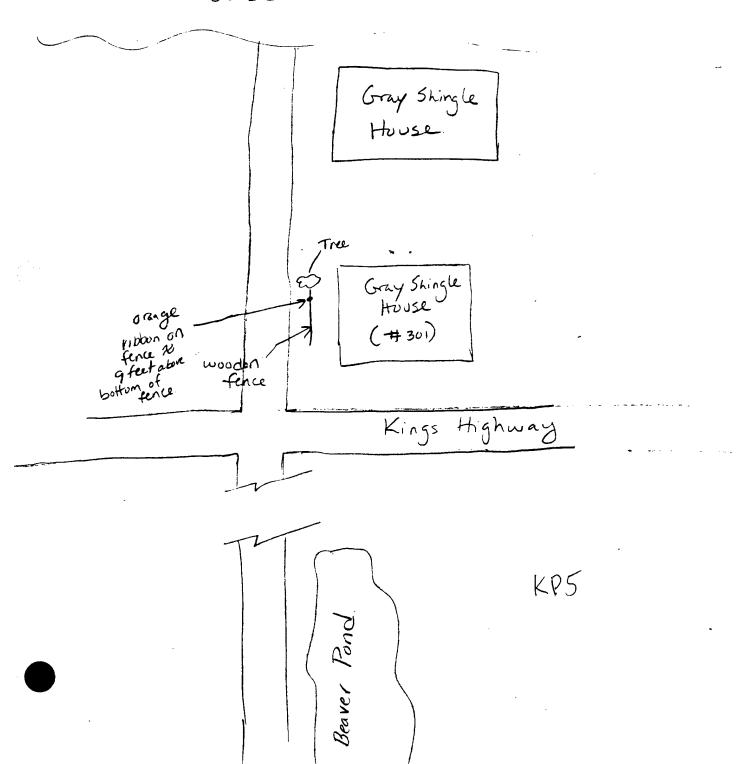
			KP5
Ooseface Bay (Name of River, Bay or Harbor)	(Miles	from Mouth)	(Watermark No.)
(Name of River, 22)	Kennebu	nkport	ME
(5 t) of)		or Town)	(State)
(Tributary of)	DV mod 1 and	orange ribbon	on fence beside house
of high watermark:			
#301) (gray shingle). Mark is ap	proximately	9 inches above	e bottom of tence.
See map for location)			
		Varan Sahaf	ield and John Yen
November 1991			
(Date obtained)		(Obt	ained by)
(Name and address of			k)
(If not pointed out, how obtained	ed?)	(Date and not	r of high watermark)
(If not pointed out, how obtaine	Datum)	(Benchmark r	
(Elev. of high watermark) (Elevation of high watermark)			eferred to) (Datum)
(If not pointed out, how obtains (Elev. of high watermark)		(Benchmark r	eferred to) (Datum)
(Elev. of high watermark) (Elevation of high watermark above water surface) (Elevation determined by)	Datum)	(Benchmark ro	(Class. of watermark
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstre	ream) ream, eleva hat might a s at same p	(Benchmark round) (Date & Hour) (Date) (Latitude and time of fect high water)	(Class. of watermark (Order of levels) longitude of watermark of other points on ermark, elevation of
(Elev. of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream o	ream) ream, eleva hat might a s at same p Debris line	(Benchmark round) (Date & Hour) (Date) (Latitude and time of fect high water oint, etc.) distinct, hower	(Class. of watermark (Order of levels) longitude of watermark of other points on ermark, elevation of ver, beach seems almost
(Elev. of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream o	ream) ream, eleva hat might a s at same p Debris line	(Benchmark round) (Date & Hour) (Date) (Latitude and time of fect high water oint, etc.) distinct, hower	(Class. of watermark (Order of levels) longitude of watermark of other points on ermark, elevation of ver, beach seems almost

Wall Main tvo.





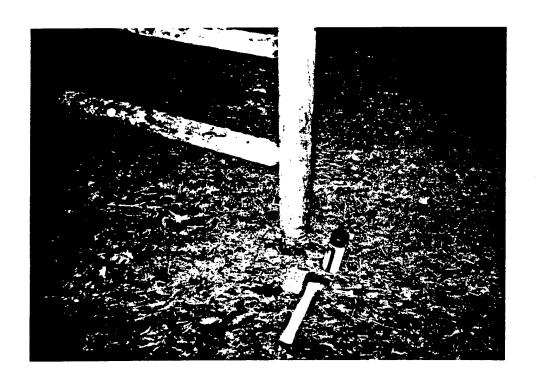
Goose Rocks Beach.



		KP6
oosefare Bay	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)	Kennebunkport	ME
	(City or Town)	(State)
(Tributary of)	Cop of orange stake indicat	tes the height of the
s bich watermark:		
ater (approximately 2 inches above	e ground). The stake is a	t the end of the
o the right of the last fencepost.	. High water at this poin	t was from marshland
ehind house.		
November 1991	Karen Schofield	
(Date obtained)	(Obtai	ned by)
(Address: House #162 (pro	bably Kings Highway)
harles wilson (owner) box see	erson pointing out high wa	atermark)
	(Date and hour	of high watermark)
(If not pointed out, how obtained	(Date and hour	
(If not pointed out, how obtained	- 1 l	erred to) (Datum)
(If not pointed out, how obtained (Elev. of high watermark) (Da (Elevation of high watermark	atum) (Benchmark ref	erred to) (Datum)
(Elev. of high watermark) (Da (Elevation of high watermark above water surface)	(Date & Hour) (Date)	(Class. of watermar) (Order of levels)
(If not pointed out, how obtained (Elev. of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstre hydrograph, factors that previous flood heights	(Date & Hour) (Date & Hour) (Date) (Date) (Latitude and least might affect high water at same point, etc.)	erred to) (Datum) (Class. of watermar) (Order of levels) ongitude of watermark other points on mark, elevation of
(If not pointed out, how obtained (Elev. of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstre hydrograph, factors that previous flood heights	(Date & Hour) (Date & Hour) (Date) (Date)	erred to) (Datum) (Class. of watermark) (Order of levels) ongitude of watermark other points on mark, elevation of

Highwater Mark #8

Kennebunkjort, ME.



Frem Marsh. Garden - Orange Stake

(high water is at top of stake & 2" above ground at pole) wooden fence Blue white HUUSE House Driewin #160 (Charles Wilson) Highway Kings

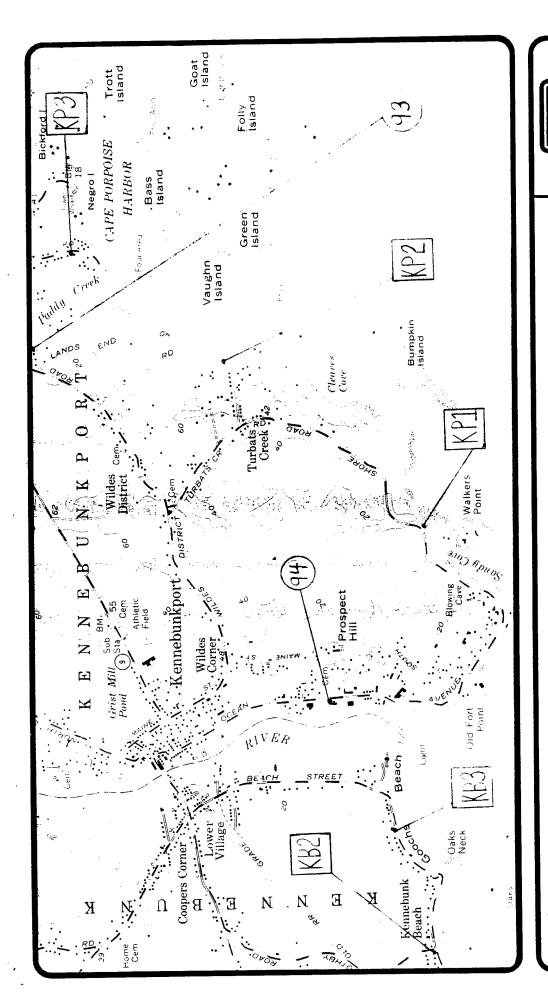
KP6

Goose Rocks Beach

		KP7
posefare Bay	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)	Kennebunkport	ME
	(City or Town)	(State)
(Tributary of)		7 1 Dolo #501
scription of high watermark:	PK nail and orange ribbon	located on Pole #391
scription of high watermark:	ouse (#158). Mark is appr	coximately 6 inches
bove the ground at the pole.		
November 1991	Karen Schof	ield and John Yen
	(Obta	ined by)
(Date obtained)		
	notating out high b	vatermark)
(Name and address of positions water mark on telephone p	person pointing out high	by water on driveway.
distinct water mark on telephone p	pole level with same level	of biob watermark)
(If not pointed out, how obtained	d?) (Date and hour	of high watermark)
(II not pointed only		
		(Datum)
(Elev. of high watermark) (D	Datum) (Benchmark re	ferred to) (Datum)
(Elev. of high waterness)		
	(Date & Hour)	(Class. of watermar)
(Elevation of high watermark above water surface)	(2 2 1	
above water surrecy		
	(Date)	(Order of levels)
(Elevation determined by)	•	•
·	(I sedende and	longitude of watermark
(Nearest dam upstream or downstr		
		f other points on
Remarks - (Failure of dams upstr	eam, elevation and time of the order might affect high water at some point. etc.)	rmark, elevation of
hydrograph, lactors to	at same point, etc.)	
NOTE: Confident Point. Public v	way allowed surging waters	to flood road and
make distinct sand lines in yards	s and driveways.	





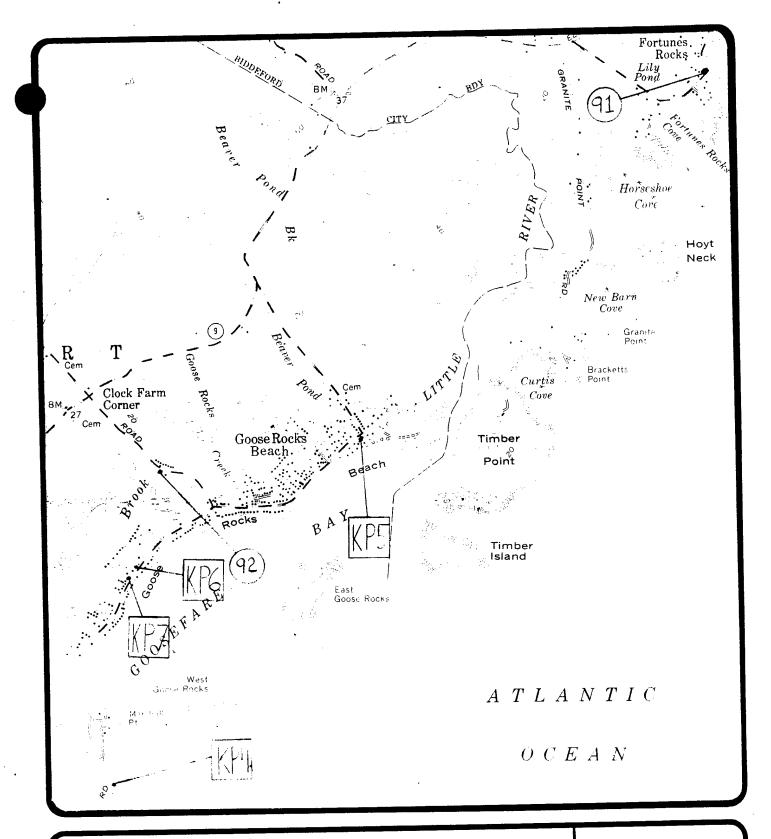


O - 1978 - 1991 High Water Mark Location Map Halloween Storm, October, 1991

Kennebunkport, Maine

USGS 7.5 Minute Quadrangle -

US Army Corps of Engineers
New England Division



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Biddeford, Maine

- 1991

O - 1978

New England Division

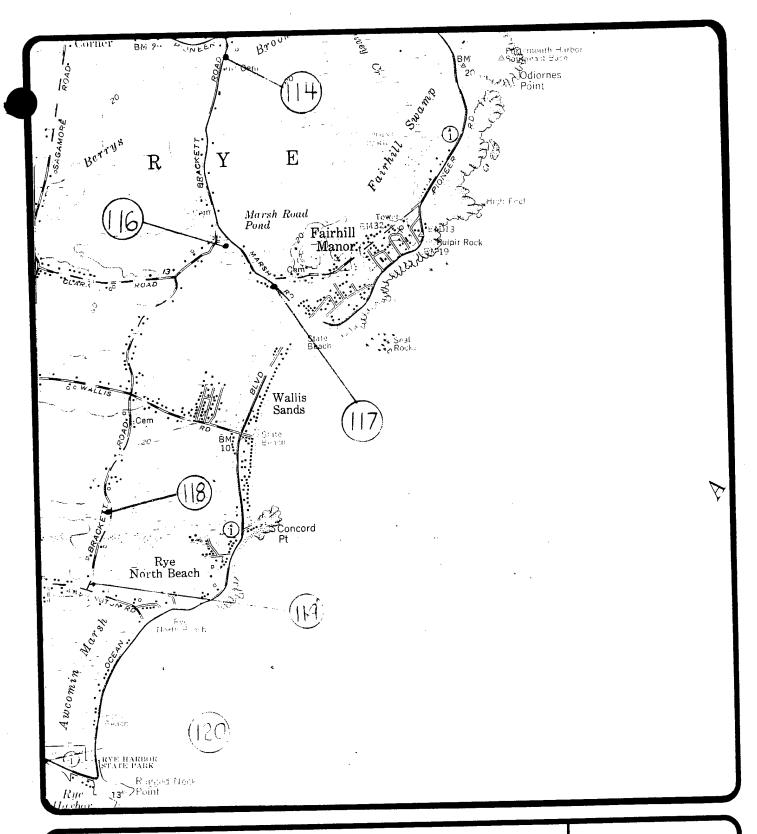


US Army Corps of Engineers

APPENDIX
SEABROOK, NEW HAMPSHIRE

Blackwater River					B-1
(Name of River, Bay or Harbor)	(M:	les from	Mouth)	(Wate	rmark No.)
		Seabrook			TH
(Tributary of)	((ity or To	wn)	(S	tate)
escription of high watermark:	Orange n	ail in tel	. pole	#1665, on R	iverside or
Blackwater River, approx. 2' f	from ground	i.			
11/6/91		Chri		leld and Wen	dëll Mah
(Date obtained)			. (UDE	ained by)	
(Name and address of	person po	ointing ou	t high	watermark)	
(If not pointed out, how obtain	ned?)	(Date	and hou	er of high w	atermark)
(Elev. of high watermark) ((Datum)	(Bench	mark re	eferred to)	(Datum)
(Elevation of high watermark above water surface)		(Date &	Hour)	(Class. o	f watermarl
(Elevation determined by)		(Date	•)	(Order o	of levels)
Nearest dam upstream or downstr	eam)	(Latitud	e and 1	longitude of	watermark
	_	etan and	time of	other poin	its on
emarks - (Failure of dams upstr hydrograph, factors th previous flood heights	nat might	affect hig	h water	rmark, eleva	ition of
hydrograph, factors th	nat might	affect hig	h water	mark, eleva	tion of

	2	SB-2
Mill Creek (Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Seabrook	NH
(Tributary of)	(City or Town)	(State)
Δ.	pproximately 120 feet nor	th of the Causeway
occurrention of high watermark:		
Bridge there is an orange mark on	the road; three feet off	the road, to the
east, is an orange stake that mark	s highwater.	
11/6/92		and Wendall Mah
(Date obtained)	(Obta	ined by)
(Name and address of p	erson pointing out high w	atermark)
(If not pointed out, how obtained	?) (Date and hour	of high watermark)
(Elev. of high watermark) (Da	tum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	am) (Latitude and le	ongitude of watermark
Remarks - (Failure of dams upstreamly hydrograph, factors that previous flood heights	c might arrect high access	other points on mark, elevation of



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Kittery, ME.-N.H.

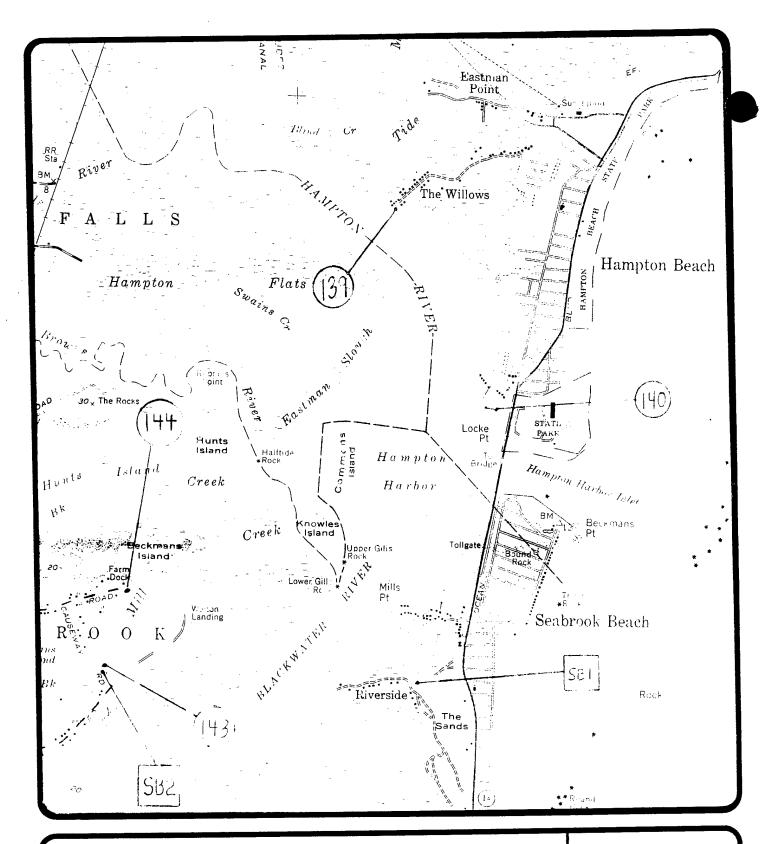
- 1991

O - 1978

New England Division



US Army Corps of Engineers



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle -

Hampton, N.H.

- 1991

○ - 1978

New England Division



US Army Corps of Engineers

APPENDIX SALISBURY TO ROCKPORT, MASSACHUSETTS

Black Rock Creek	1 -	S-1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
Merrimack River	Salisbury	MA
(Tributary of)	(City or Town)	(State)
escription of high watermark: _	Approx. 300' south of S	alisbury State Park
tollgate an orange dot on the	side of road marks the spot	to go off the road. Th
highwater point is about 25' to	o the west of the side of t	he road.
11/6/91	Chris Hat	field and Wendell Mah
(Date obtained)	(Obta	ined by)
(If not pointed out, how obtained	ed?) (Date and hour	of high watermark)
(Elev. of high watermark)	Datum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
	(Date & Hour) (Date)	(Class. of watermark) (Order of levels)
above water surface)	(Date)	·

Black Rock Creek	·	S-2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Salisbury	MA
(Tributary of)	(City or Town)	(State)
escription of high watermark: Orange	stake 30' off N.si	de of road to
parking area near Black Rocks, 100' b	efore parking lot	
11/6/91	Chris Hat	field and Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of person	pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream, el hydrograph, factors that migh previous flood heights at sam	t affect high water	

		S-3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Sailsbury	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Orange nail in utility p	ole #4 on Tenth Street,
picture is near 19 Tenth Street.	Nail is 9" from bottom	of pole.
11/6/91		atfield and Wendell Mah
(Date obtained)	(Obta	ained by)
(Name and address of pe	rson pointing out high	watermark)
(If not pointed out, how obtained?) (Date and hour	r of high watermark)
(Elev. of high watermark) (Dat	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high water	other points on mark, elevation of

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New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Merrimack River	3	N-1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	37 1	•••
(Tributary of)	Newburyport	MA
(Illustry of)	(City or Town)	(State)
Description of high watermark: Na	il placed 2 feet from	bottom of utility pole
#5 across from "Captain's Quarters	" restaurant (in parki	ng lot).
11/4/91	Chris Hatfie	eld / Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of pers	son pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
-	•	
(Elev. of high watermark) (Datum	m) (Benchmark re	ferred to) (Datum)
(Datum	m) (benchmark re	refred to) (Datum)
(Elevation of high watermark	/Daha (Wasa)	(61
above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi	ight affect high water	other points on nark, elevation of
previous flood heights at s	same point, etc.)	
<u> </u>		

New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Merrimack River	(M1) = 5 March	Watermark No.)
(Name of River, Bay or Harbor)	(Miles from Mouth)	(watermark no.)
(Tributary of)	Newburyport (City or Town)	(State)
(11100101) 01,	•	
escription of high watermark:	Top of granite curb in f	ront of coast guard stat
11/4/91		eld / Wendell Mah
(Date obtained)	(Obt	cained by)
From Coast Guard personnel sta		
(Name and address of	person pointing out high	watermark)
(If not pointed out, how obtained	ed?) (Date and hou	r of high watermark)
(Elev. of high watermark) (I	Datum) (Benchmark re	eferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
		•
earest dam upstream or downstre	eam) (Latitude and l	ongitude of watermark)
•	,	
marks - (Failure of dams upstre hydrograph, factors tha previous flood heights	at might affect high water	
, pro-11-15 12-06	and point, acce,	
		·

		N-3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Newburyport	MA
(Tributary of)	(City or Town)	(State)
escription of high watermark:	Base of utility pole #63	on Water Street in
front of gray house #282.		
11/4/91	Chris Hatfi	eld/Wendell Mah
(Date obtained)		ained by)
(If not pointed out, how obtained?	(Date and hour	of high watermark)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Elevation determined by) Nearest dam upstream or downstream		
	n) (Latitude and lo n, elevation and time of might affect high water	ongitude of watermark) other points on

		N-4 (Watermark No.)
(Name of River, Bay or Harbor)	(Miles from Mouth)	(watermark no.)
(Tributary of)	Newhuryport (City or Town)	MA (State)
(Hibdialy DI)	(011) 01 40,	•
Description of high watermark: T	oe of slope on southsic	le of west approach, nea
utility pole #41; Plum Island Ri	ver Bridge on plum Isl	and Turnpike
11/4/91	Chris Hatf:	ield/Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of per	son pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
above water surface,		
(Elevation determined by)	(Date)	(Order of levels)
		(Order of levels) ongitude of watermark)
(Elevation determined by)	(Latitude and l , elevation and time of hight affect high water	ongitude of watermark) other points on
(Elevation determined by) (Nearest dam upstream or downstream) Remarks - (Failure of dams upstream, hydrograph, factors that m	(Latitude and l , elevation and time of hight affect high water	ongitude of watermark) other points on

Plum Island River		N-5
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Newburyport	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark.	te side of N-4 on v	
directly opposite utility pole #41;	marked by 3 orange	painted stakes.
11/4/91		eld/Wendell Mah
(Date obtained)	(0bt	ained by)
(Name and address of person	pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream, ele hydrograph, factors that might previous flood heights at same	t affect high water	

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New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Manufacture In Princers		1/2		N-6	
Merrimack River (Name of River, Bay or Harbor)	()	liles from	Mouth)	(Water	mark No.)
		Newbur	yport	MA	
(Tributary of)		City or T	lown)	(St	ate)
Description of high watermark:	range m	arked nai	l in util:	ity pole #25	64-3 on
S-Street at Plum Island.					
11///01					
(Date obtained)		Ch		eld/Wendell ined by)	Mah
(Date Obtained)					
(Name and address of p				atermark) of high wa	termark)
(Elev. of high watermark) (Da	tum)	(Ben	chmark ref	erred to)	(Datum)
(Elevation of high watermark above water surface)		(Date	& Hour)	(Class. of	watermark
(Elevation determined by)		(Da	te)	(Order of	levels)
(Elevation determined by) (Nearest dam upstream or downstrea	ım)	·		(Order of	
	ım, ele might	(Latit vation an affect h	ude and lo	ongitude of	watermark)
(Nearest dam upstream or downstrea Remarks - (Failure of dams upstrea hydrograph, factors that	ım, ele might	(Latit vation an affect h	ude and lo	ongitude of	watermark)
(Nearest dam upstream or downstrea Remarks - (Failure of dams upstrea hydrograph, factors that	ım, ele might	(Latit vation an affect h	ude and lo	ongitude of	watermark)

Pine Island Creek		· N-7
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Newburyport	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Debris line in south side of	Pine Island Road
in fornt of white house, poss	ibly #93 or 94 Avery; 13 feet	from old well.
	Chris Hatfield	/Wendell Mah
11/4/91 (Date obtained)	(Obtain	()
(2000 0000000,	• • • • • • • • • • • • • • • • • • • •	
(If not pointed out, how obtaine		f high watermark)
(Elev. of high watermark) (D	atum) (Benchmark refer	red to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour) (Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstre	am) (Latitude and long	itude of watermark)
Remarks - (Failure of dams upstre hydrograph, factors tha previous flood heights	t might affect high watermar	
		

Parker River		N-8
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Newburyport	MA
(Tributary of)	(City or Town)	(State)
, 73 C	ottage road; (marsh so	litude)
Description of high watermark:		
approx. 8 feet above foundation o	f garage.	
	Chris Hatfi	eld/Wendell Mah
11/4/91 (Date obtained)	(Obta	ained by)
(bace obtained)		•
(Name and address of pers	son pointing out high	watermark)
(Maine and address of possi		
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(If not pointed out, now obtained.)	(2212 2.12 1.13)	
(Elev. of high watermark) (Datum	m) (Benchmark re	ferred to) (Datum)
(Elev. of high watermark) (ode-	., (5 000 000 000 000 000 000 000 000 000	
(Elevation of high watermark	(Date & Hour)	(Class. of watermark
above water surface)	(5010 0 11011)	(1211
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that m	elevation and time of	other points on
previous flood heights at	same point, etc.)	mark, elevation of
Provided transfer transfers	• •	

Parker River			N-9	
(Name of River, Bay or Harbor)	(Mil	es from Mouth	(Water	mark No.)
		Newbury	MA	
(Tributary of)	(C1	ty or Town)	(51	ate)
Description of high watermark:	Orange sp	ray paint line	on S.E. brid	ge abutment
Parker River Bridge Rte 1A				
		Chris Hat	field/Wendell	
(Date obtained)	-		otained by)	
(Name and address of (If not pointed out, how obtained) (Elev. of high watermark)		(Date and h	n watermark) our of high wa	termark)
(Elevation of high watermark above water surface)	<u> </u>	(Date & Hour)	(Class. of	watermark)
(Elevation determined by)		(Date)	(Order of	levels)
(Nearest dam upstream or downstre	eam)	(Latitude and	longitude of	watermark)
Remarks - (Failure of dams upstro hydrograph, factors the previous flood heights	at might af	fect high water		
			· · · · · · · · · · · · · · · · · · ·	

Plum Island River		N-10
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Newbury	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Orange stake on side off	Sunset Dr. (Plum
Island access Rd. 1.8 mi from ma	aingate)	
11/6/01	Chric Hatfield	and Wendell Mah
(Date obtained)		ained by)
(Date Obtained)		••
(Name and address of pe	rson pointing out high v	watermark)
(If not pointed out, how obtained?) (Date and hour	r of high watermark)
(Elev. of high watermark) (Dat	um) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high water	other points on mark, elevation of
	_	

Mud Creek		Ry-1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Rowley	Ma
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Orange marked stake on N	E side of Rte. 1A
Main St.; 500ft.from Rowley - No	cwbury town line, across	from utility pole #162
11/4 /91		ld and Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of p	erson pointing out high	watermark)
(If not pointed out, how obtained	?) (Date and hou	r of high watermark)
(Elev. of high watermark) (Da	tum) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstrea	m) (Latitude and le	ongitude of watermark)
Remarks - (Failure of dams upstrea hydrograph, factors that previous flood heights a	might affect high water	

Rowley River	(Miles from Mouth)	Ry-2 (Watermark No.)
(Name of River, Bay or Harbor)	(Miles from Modelly	(macermark mor)
(Tributary of)	(City or Town)	(State)
Description of high watermark:Ora	ange nail mark in utili	ty pole near Perley's
Marina about l' up, Warehouse Lane -	end of street.	
11/4/91	Chris Hatfield	and Wendell Mah
(Date obtained)	(Obta	ained by)
(Name and address of per	son pointing out high v	watermark)
(If not pointed out, how obtained?)	(Date and hour	r of high watermark)
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	ight affect high water	other points on mark, elevation of

Eagle River	3	I-1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Ipswich	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Pi	n ^k nail approximately	2 feet from the base of
pole #7 on Jeffrey's Neck Rd.		
11/4/91	Chris Hatfield	and Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of pers	son pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datum	n) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ight <mark>affect high water</mark>	

		3	I-2
agle River	Harbar)	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay	or Harbory		MA
		Ipswich	(State)
(Tributary	of)	(City or Town)	•
_	Α	colored stake and ribbo	n at the end of
escription of high	Valermark.		
eaview Road. The s	take is a couple	of feet off of the cul-	ue-sac on 100
estern side.			
		Chris Hati	ield and Wendell Mah
.1/4/91			ined by)
(Date obt	ained)		
(Name at	nd address of per	son pointing out high w	atermark)
•			
	1	(Date and hour	of high watermark)
(If not pointed out	E, now obtained.	•	
(Elev. of high wa	termark) (Dat	um) (Benchmark ref	erred to) (Datum
(Flev. or uran we	CCI MET 147		
		(Date & Hour)	(Class. of watermar
(Elevation of hi	gh watermark	(Date & Hour)	
above wate	r surface)		
			(Order of levels)
(Elevation det	ermined by)	(Date)	(order or zeroes)
	•		
(Nearest dam upstre	am or downstream	(Latitude and l	ongitude of watermark
		·	• •
m	of dams unstream	n, elevation and time of might affect high water	other points on
			mark, elevation of
previous	flood heights at	t same point, etc.)	
•			
		. ==	
	_ _ -·		

	2	I-3
) (M	iles from Mouth)	(Watermark No.)
	Ipswich	MA
(City or Town)	(State)
Painted	stake on the nort	chside of Argilla Road
Mark is r	near bridge over l	Fox Creek
		The second secon
	(UBE	ained by)
ned?)	(Date and hou	r of high watermark)
	(Date)	(Order of levels)
ream)	(Latitude and l	ongitude of watermark)
	ation and time of affect high water	
	Painted Mark is n f person p ned?) (Datum)	Chris Hatfield (Obt Chris Hatfield (Obt f person pointing out high (Date and hou (Datum) (Date & Hour) (Date) (Latitude and 1

	I_4
(Miles from Mouth)	(Watermark No.)
Ipswich	MA (State)
(City or lown)	(State)
range stake near Crane B	each Castle Hill sign o
e #518	
Chris Ḥatfield	and Wendell Mah
(Obta	ained by)
rson pointing out high	watermark)
) (Date and hou	r of high watermark)
um) (Benchmark re	ferred to) (Datum)
(Date & Hour)	(Class. of watermark)
(Date)	(Order of levels)
(Latitude and l	ongitude of watermark)
n, elevation and time of might affect high water	other points on mark, elevation of
same point, etc.)	
same point, etc.)	
	Chris Hatfield (Obtained on the property of the control of the con

Labor Vain Creek	•	I-5
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
Ipswich River	Ipswich	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Orange mark nail in tel	. pole #41 on Labor
Vain Rd 2 feet from bottom of po	le, 2nd to last pole be	fore bridge on southsid
of the Rd.		
11/6/91		and Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of per	rson pointing out high	watermark)
(If not pointed out, how obtained?)) (Date and hou	r of high watermark)
(Elev. of high watermark) (Date	um) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Elevation determined by) (Nearest dam upstream or downstream)		(Order of levels)

Paine Creek (Name of River, Bay or Harbor)	(Miles from Mouth)	
(Name of River, bay of Harbor,	(
(Tributary of)	(City or Town)	(State)
Description of high watermark: Oran	ge circle spray paint a	cound nail on ctr.
line of road, 350' before Culvert T	own Farm Rd.	
11/6/91	Chris Hatfield a	
(Date obtained)	(Obta	ined by)
(Name and address of per	rson pointing out high w	atermark)
(If not pointed out, how obtained?)		of high watermark)
(Elev. of high watermark) (Date	um) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ngitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that a previous flood heights at	might affect high watern	other points on nark, elevation of

Essex River		E-1	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
	Essex	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark: Pir	nk marked nail in tel. po	le #288, Main St. rte.	13
Callahan's restaurant parking, nail	l is approx. 2' from bott	om.	
11/4/91	Chris Hatfield a	and Wendell Mah	
(Date obtained)	(Obta	ined by)	
(Name and address of pe	rson pointing out high wa	atermark)	
(If not pointed out, how obtained?) (Date and hour	of high watermark)	
(if not pointed out, now obtained.) (Date and mout	or high watermarky	
	,	<u> </u>	
(Elev. of high watermark) (Dat	um) (Benchmark ref	erred to) (Datum)	
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)	
above water surface)	(Date & Hour)	(Class. or watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
Nearest dam upstream or downstream) (Latitude and lor	ngitude of watermark)	•
,	, , , , , , , , , , , , , , , , , , , ,		
Remarks - (Failure of dams upstream hydrograph, factors that a previous flood heights at	might affect high waterma		

Essex River		E-2	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
	Essex	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark:	A pink nail mark in uti	lity pole # 744	
about two feet from its base.	The pole is located on Rob	ins Island Rd. in	
front of resident #12			
11/4/91		and Wendell Mah	
(Date obtained)	(ODL)	ained by)	
(Name and address of	f person pointing out high w	vatermark)	
(If not pointed out, how obtain	ned?) (Date and hour	of high watermark)	
		(2000)	
(Elev. of high watermark)	(Datum) (Benchmark re	ferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downst	ream) (Latitude and lo	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upst hydrograph, factors t previous flood height	ream, elevation and time of hat might affect high water s at same point, etc.)	other points on mark, elevation of	
-		_	

•	•	T 2	
Marsh behind Whiler Hill		E3 (Watermark No.)	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Mareimark no.)	
	Essex	MA	
	(City or Town)	(State)	
(Tributary of)	(city of ioni)	•	
	Orange stake on NE side	of Island Road	
escription of high watermark: _			
across from pole #1032			
11/6/91		ld and Wendall Mah	
(Date obtained)	(Obta	nined by)	
•			
	-desire out high s	vatermark)	
(Name and address of	person pointing out high	- C - C - C - C - C - C - C - C - C - C	
how obtain	(Date and hou	r of high watermark)	
(If not pointed out, how obtain			
·	(Datum) (Benchmark re	ferred to) (Datum)	
(Elev. of high watermark)	(Datum) (Benchmark re	TELLEG CO,	
Chalman and	(Date & Hour)	(Class. of watermark	
(Elevation of high watermark above water surface)	(0000		
above water surface,			
		£ 1-4-10)	
(Elevation determined by)	(Date)	(Order of levels)	
(Elevacion described		•	
		langitude of watermark	
(Nearest dam upstream or downst	ream) (Latitude and l	(Latitude and longitude of watermark	
•			
Remarks - (Failure of dams upst	ream, elevation and time of	t other points on	
hydrograph, factors t	ust might errect uren and	rmark, elevation of	
previous flood height	s at same point, etc.)		
	•		
		4	
		·	

Jones River (Name of River, Bay or Harbor)	(Miles from Houth)	G-1 (Watermark No.)	
(Tributary of)	Glouxcester (City or Town)	MA (State)	
Description of high watermark: Ora off of Atlantic Ave. near pole #1693		down dirt access Rd.	
11/4/91		d and Wendell Mah	
(Date obtained)	(Obt.	(Obtained by)	
(Name and address of pers	on pointing out high	watermark)	
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)	
(Elev. of high watermark) (Datum	(Benchmark re	ferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstream)	(Latitude and l	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ight affect high water	other points on mark, elevation of	

ones River	2	G-2
	(Miles from Mouth)	(Watermark No.)
nnisquam	Gloucester	MA
(Tributary of)	(City or Town)	(State)
Pk	1 marker about 2' fro	om base of
escription of high watermark: Pink nai		
tility pole #7248 on Causeway Street.	The pole is located	across from
on Sudbay Buick Oldsmobile.		
1/4/91	Chris Hatfield and Wendall Mah (Obtained by)	
(Date obtained)	(Obta	lined by)
(Name and address of person	n pointing out high w	vatermark)
(If not pointed out, how obtained?)	(Date and hour	r of high watermark)
,		
(Elev. of high watermark) (Datum)	m) (Benchmark referred to) (Datu	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
	elevation and time of	other points on mark, elevation of
Remarks - (Failure of dams upstream, e hydrograph, factors that mig previous flood heights at sa	ame point, etc.)	•
hydrograph, factors that mix	ame point, etc.)	

Mill River (Name of River, Bay or Harbor)	(Miles from Mouth)	G-3 (Watermark No.)
(Name of River, Day of marson,	••••	MA
(Tributary of)	Gloucester (City or Town)	(State)
·	#181 about 1-2' form t	
morial).		
11/5/91	Chris Hatfield	and Wendell Mah
(Date obtained)	(Obta	ained by)
(If not pointed out, how obtained?) (Elev. of high watermark) (Datu		ferred to) (Datum
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermar
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	night affect high watern	other points on mark, elevation of
•		·

Lobster Cove	1	G-4
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Gloucester	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Whi	ite house behind the A	Annisquam Village
Church on Leonard Street. High water	mark begins about 16	6" below the
foundation line on the house's west si	ide	
11/5/91	Chris Hatfield	l and Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of person	on pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datum) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream, of hydrograph, factors that might previous flood heights at second	ght affect high water	

(Name of River, Bay or Harbor) (Name of River, Bay or Harbor) (City or Town) (State of Colburn Avenue. The mark is about 20' from utility pole #2 on Colburn (Obtained by) (Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high watermark)	nnel rn Avenue.
(Tributary of) (City or Town) (State of Amage paint mark on rock next to charge paint mark on rock next to	nnel rn Avenue. Mah
Orange paint mark on rock next to char on Colburn Avenue. The mark is about 20' from utility pole #2 on Colburn Avenue. Chris Hatfield and Wendell (Obtained by) (Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high watermark)	nnel rn Avenue. Mah
Orange paint mark on rock next to char on Colburn Avenue. The mark is about 20' from utility pole #2 on Colburn 11/5/91 Chris Hatfield and Wendell (Obtained by) (Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high water)	rn Avenue.
Chris Hatfield and Wendell (Date obtained) (Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high watermark)	rn Avenue.
(Date obtained) (Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high water)	Mah
(Date obtained) (Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high watermark)	·
(Date obtained) (Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high watermark)	·
(Date obtained) (Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high watermark)	·
(Date obtained) (Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high watermark)	·
(Name and address of person pointing out high watermark) (If not pointed out, how obtained?) (Date and hour of high watermark)	ermark)
(If not pointed out, how obtained?) (Date and hour of high wat	ermark)
(If not pointed out, how obtained?) (Date and hour of high wat	ermark)
(If not pointed out, now over the second of	ermark)
(If not pointed out, not obtained to)	
(Elev. of high watermark) (Datum) (Benchmark referred to)	(Datum)
(Elévation of high watermark (Date & Hour) (Class. of above water surface)	ESTEL WALL
(Date) (Order of	levels)
(Elevation determined by) (Date)	
(Nearest dam upstream or downstream) (Latitude and longitude of	watermark
	·
Remarks - (Failure of dams upstream, elevation and time of other point hydrograph, factors that might affect high watermark, elevat previous flood heights at same point, etc.)	. 3 0 11
	ion of

Marsh behind Good Harbor Beach				G	- 6
(Name of River, Bay or Harbor)	(1	diles fr	om Mouth)	(Water	mark No.)
	G	louceste	r	М	Ά
(Tributary of)		(City or	Town)	(St	ate)
Description of high watermark:	Orange m	ark nail	in pole #	7591 on Rte	. 127A
west on westbound side about gua	ard rail	level.			
11/5/91		Chri	s Hatfiel	d and Wendell	. Mah
(Date obtained)			(Obt	ained by)	
(Name and address of	person	pointing	out high	watermark)	
(If not pointed out, how obtain	ed?)	(Da	te and hou	or of high wa	termark)
(Elev. of high watermark) (Datum)	(Be	nchmark re	ferred to)	(Datum)
(Elevation of high watermark above water surface)		(Date	& Hour)	(Class. of	watermark
(Elevation determined by)		(D	ate)	(Order of	levels)
(Nearest dam upstream or downstr	eam)	(Lati	tude and l	ongitude of	watermark)
Remarks - (Failure of dams upstr hydrograph, factors th previous flood heights	at might	affect	high water		
previous flood heights	at same	point,	etc.)		

Gloucester Harbor		
(Name of River, Bay or Harbor)	(Miles from Houth)	(Watermark No.)
	Gloucester	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Hi	gh water mark is about	1' below base of
tree (see picture) at entrance to Ea	stern Point Light Stat	ion. Tree is just
to the left inside entrance; in from	at of commemorative bel	1.
11/5/91 (Date obtained)	Chris Hatfield (Obta	and Wendell Mah ained by)
(Name and address of per	son pointing out high v	watermark)
(If not pointed out, how obtained?)	(Date and hour	r of high watermark)
(Elev. of high watermark) (Datu	m) (Benchmark rei	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	ight affect high water	other points on nark, elevation of

Smith Cove		G-8
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Gloucester	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Orange stake on top of	bank between revet-
ment and parking lot 4' off sidew	ralk	
11/5/91	Chris Hatfield	and Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of p	person pointing out high	watermark)
(If not pointed out, how obtained	i?) (Date and hou	r of high watermark)
(Elev. of high watermark) (Da	atum) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstrea	am) (Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstrea hydrograph, factors that previous flood heights a	t might affect high water	

Back Bay of Annisquam River	15	G-9
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Gloucester	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Orange nail marker a	t the bottom of
utility pole #465 on Stuart Rd., G1	oucester. The pole is	at the bend in the
road.		
11/5/91		and Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of per	rson pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(Elev. of high watermark) (Date	um) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream) (Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that a previous flood heights at	might affect high water	other points on mark, elevation of

Freshwater Cove		G-10
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
Gloucester Harbor	Gloucester	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: _	Proceed morth on Dolliver	Neck Rd.
at the end of the Old House Cove	Seawall, go 50' to the wes	st into the marsh.
Nailed ribbon is at the base of	an old leaning tree.	
11/5/91		and Wendell Mah
(Date obtained)	(Obta	ined by)
(Name and address of	person pointing out high w	atermark)
(If not pointed out, how obtaine	d?) (Date and hour	of high watermark)
(Elev. of high watermark) (D	Patum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstre	eam) (Latitude and lo	ngitude of watermark)
Remarks - (Failure of dams upstre hydrograph, factors tha previous flood heights	it might affect high waterm	

(City or Town) take about 50' off Rogged tree across from	d. in marsh at m utility pole #136 and Wendell Mah
(City or Town) take about 50' off Rogged tree across from	d. in marsh at m utility pole #136 and Wendell Mah
ged tree across from	n utility pole #136 and Wendell Mah
ged tree across from	n utility pole #136 and Wendell Mah
Chris Hatfield	and Wendell Mah
(Obta	ined hv)
	inca by y
pointing out high w	vatermark)
(Date and hour	of high watermark)
(1232 2337 33	·
(Benchmark ref	erred to) (Datum)
(Date & Hour)	(Class. of watermark)
(Date)	(Order of levels)
(Latitude and lo	ongitude of watermark)
t affect high watern	other points on nark, elevation of
	· · · · · · · · · · · · · · · · · · ·
	(Date and hour (Benchmark ref (Date & Hour)

Folly Cove	3/4 Mi. from end of	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Rockport	MA
(Tributary of)	(City or Town)	(State)
2	ge paint mark on stake	, 50' from N.E.
escription of night watermark.		
stone wall of entrance and 50' from po	ole #1702 of Folly Cove	Pier Kestaurant
parking.		
11/5/91	the state of the s	eld and Wendell Mah
(Date obtained)	(Obta	ined by)
	No.	at a mark)
(Name and address of pers	on pointing out nigh w	atermark)
		of biob watermark)
(If not pointed out, how obtained?)	(Date and hour	of high watermark)
(Elev. of high watermark) (Datum	n) (Benchmark ref	erred to) (Datum)
(Fig. of 1178)		
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)	•	
(Elevation determined by)	(Date)	(Order of levels)
•	·	
(Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream,	elevation and time of	other points on
hydrograph factors inal m	TAUL BILECT HIP	mark, elevation
previous flood heights at	same position	

Rockport	1/4	R-2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Rockport	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Ora	nge tape and nail in ut	ility pole #1002 on
"T" pier; across from the Rockport	Forest Fire Dept	
The mark is approx. 2' from the ba	se of the pole.	
11/5/91	Chris Hatfield	and Wendell Mah
(Date obtained)	(Obt	ained by)
(Name and address of per	rson pointing out high	watermark)
		E high waterwark)
(If not pointed out, how obtained?)) (Date and hou	r of high watermark)
(Elev. of high watermark) (Date	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark	(Date & Hour)	(Class. of watermark
above water surface)		
(Elevation determined by)	(Date)	(Order of levels)
(Bicvacion deletimente ey,	•	
(Nearest dam upstream or downstream) (Latitude and 1	ongitude of watermark)
·	·	.1
Remarks - (Failure of dams upstream hydrograph, factors that i	, elevation and time or might affect high water	mark, elevation of
previous flood heights at	same point, etc.)	•
	·	
		·
_ <u>· _ · </u>		

Saratogo Creek			R-3
(Name of River, Bay or Harbor)	(M)	iles from Mouth)	(Watermark No.)
	Roc	kport	MA
(Tributary of)	((City or Town)	(State)
Description of high watermark: _	orange p	aint mark on wes	t end of north abutment
of Saratogo Creek Bridge.			
11/5/91		Chris Hatfield	and Wendell Mah
(Date obtained)		(Ob)	cained by)
(Name and address of	person po	ointing out high	watermark)
(If not pointed out, how obtained	ed?)	(Date and hou	or of high watermark)
(Elev. of high watermark) (I	Datum)	(Benchmark re	eferred to) (Datum)
(Elevation of high watermark above water surface)		(Date & Hour)	(Class. of watermark)
(Elevation determined by)		(Date)	(Order of levels)
(Nearest dam upstream or downstre	eam)	(Latitude and)	longitude of watermark)
Remarks - (Failure of dams upstre hydrograph, factors tha previous flood heights	at might a	affect high water	



6-1



G-3



G-4



6-6



6-7



G-8



6-9



G-10



I-1



I-4



Z-5



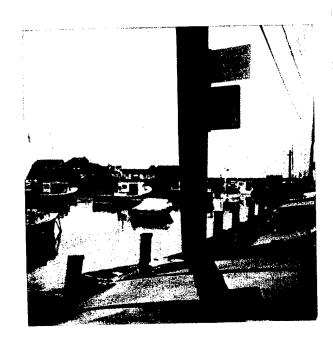
I-6 Tom Form id



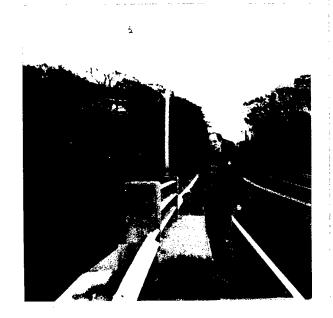
Tommy Island in back



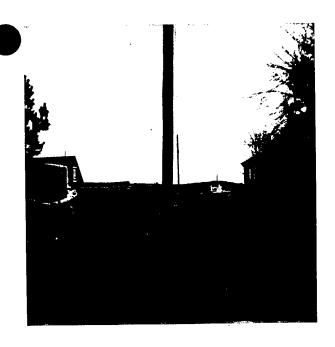
R-/



R-2



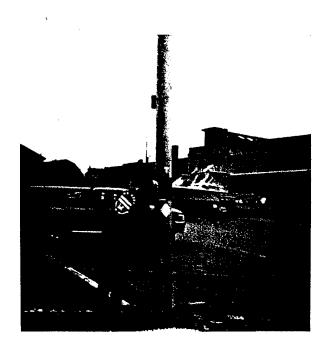
R-3



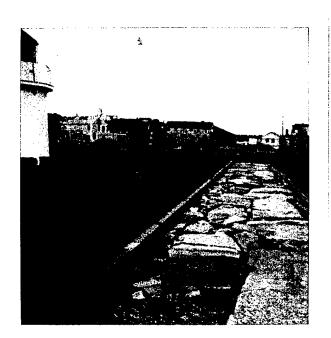
Ry-2



Ry-Z



N-1



N-Z



E-1



E-7



E-3



Py-1



N-7



N-8



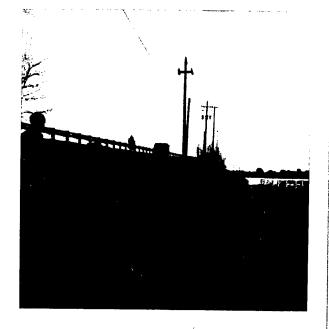
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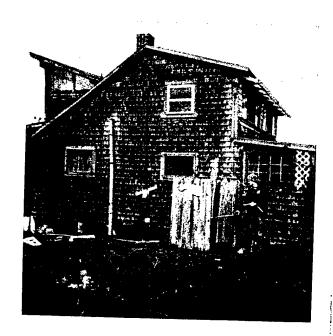
N-10



N-3



N-4



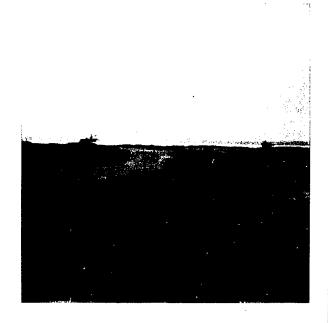
N-6



N-7



5-1



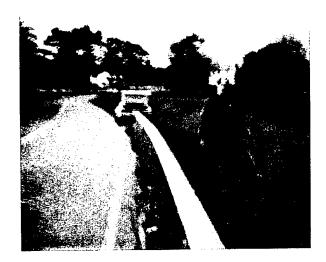
5-2



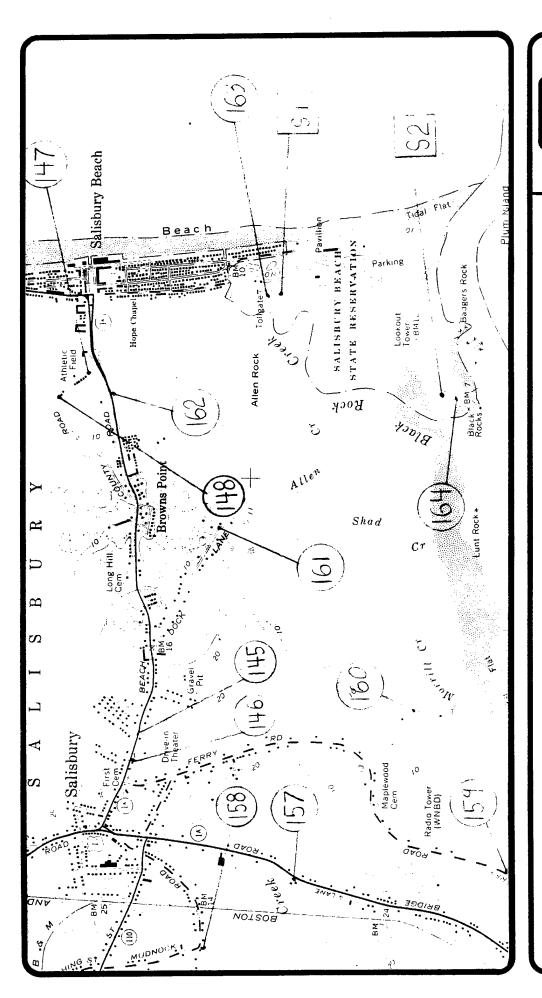
5-3



5B-1



SB-2

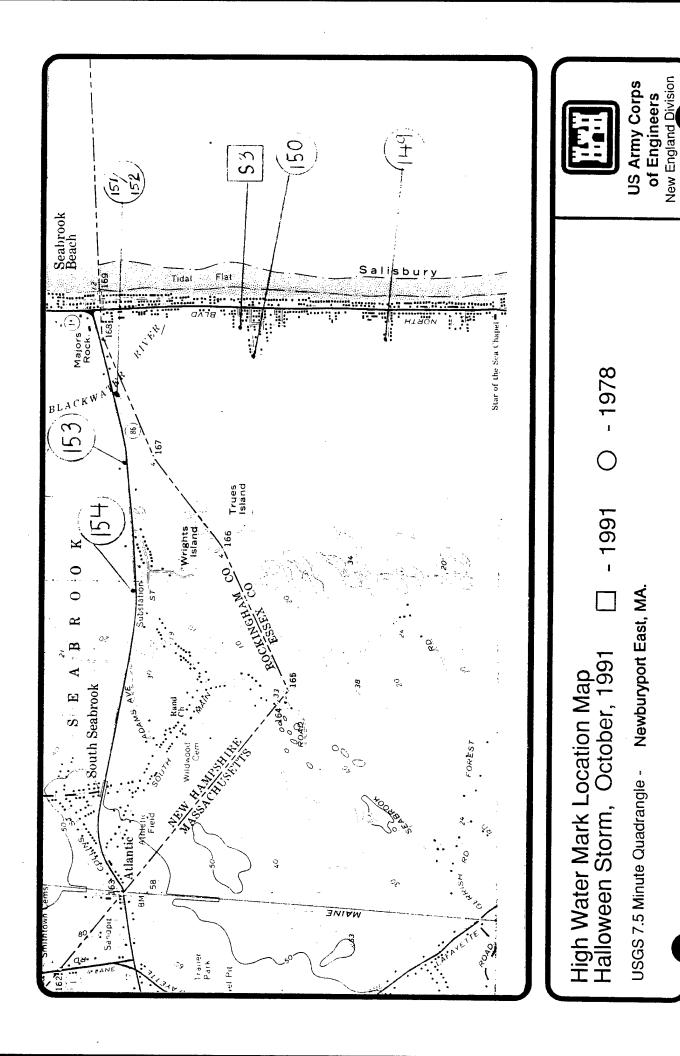


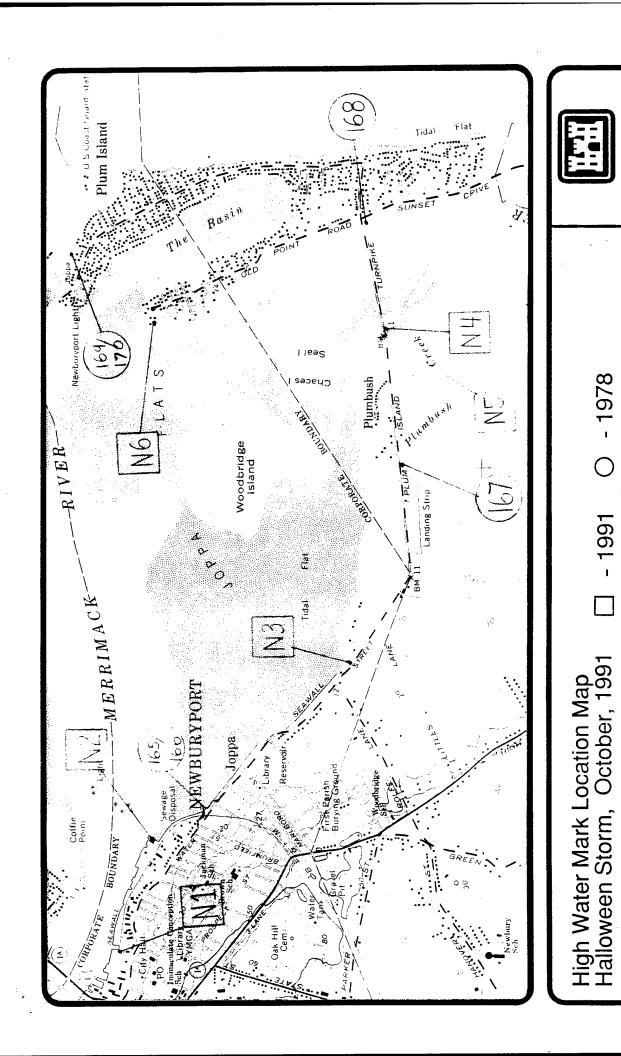
0 - 1978 □ - 1991 High Water Mark Location Map Halloween Storm, October, 1991

Newburyport East, MA.

USGS 7.5 Minute Quadrangle -

of Engineers New England Division **US Army Corps**

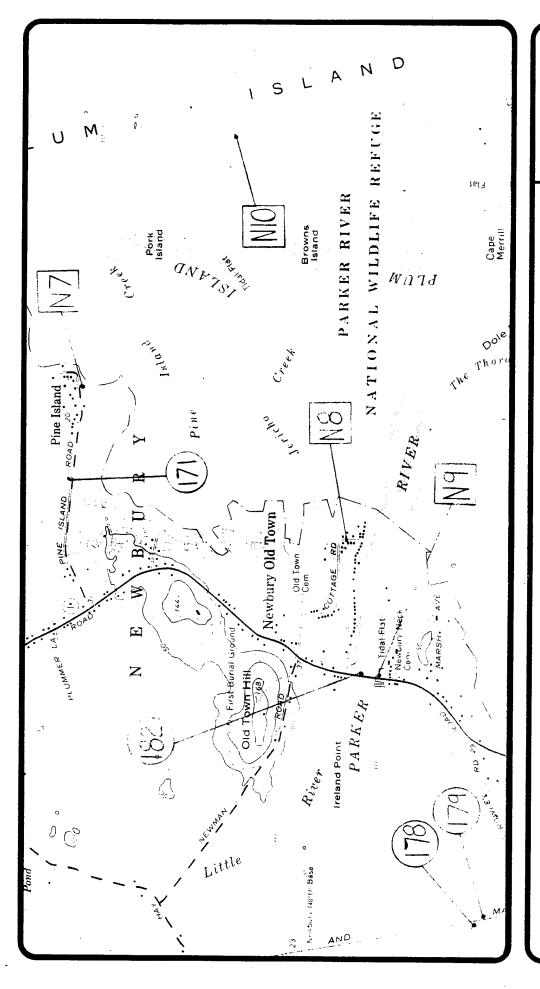




US Army Corps of Engineers New England Division

Newburyport East, MA.

USGS 7.5 Minute Quadrangle -

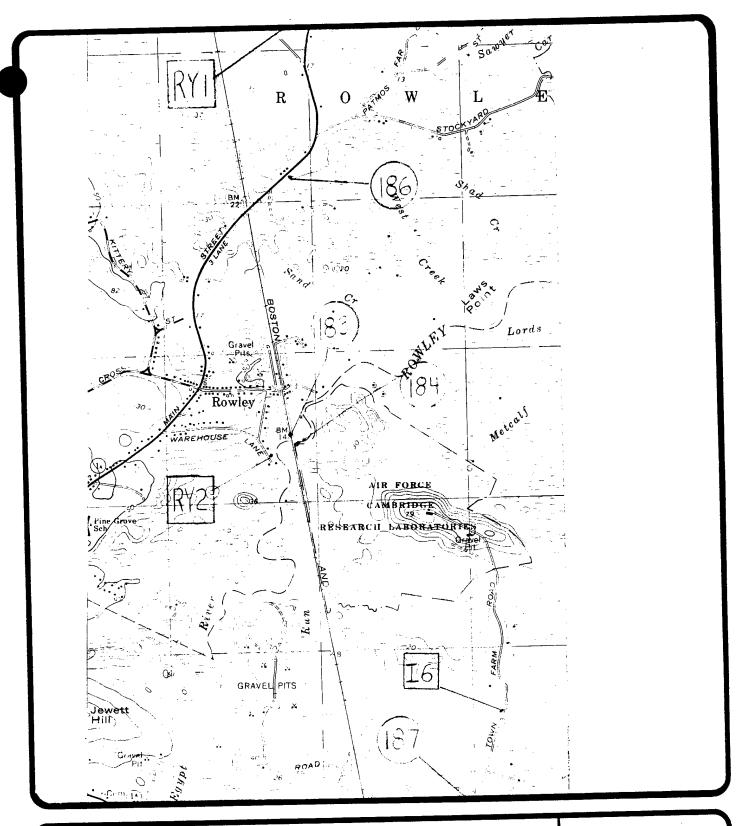




Newburyport East, MA.

USGS 7.5 Minute Quadrangle -

US Army Corps
of Engineers
New England Division



USGS 7.5 Minute Quadrangle -

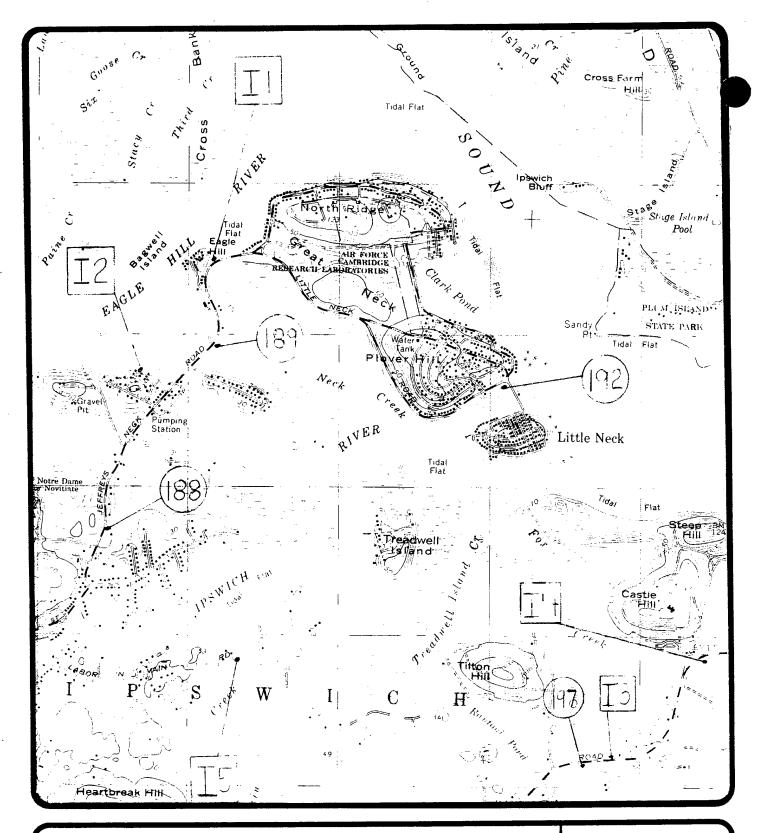
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- 1991

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New England Division





USGS 7.5 Minute Quadrangle -

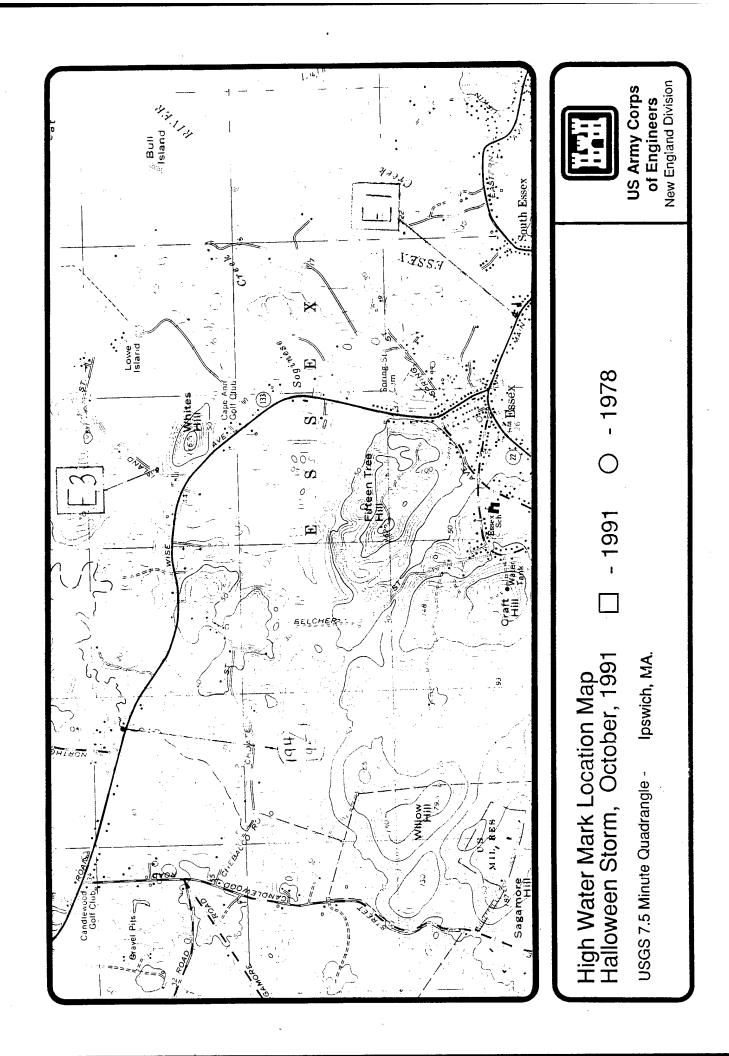
Ipswich, MA.

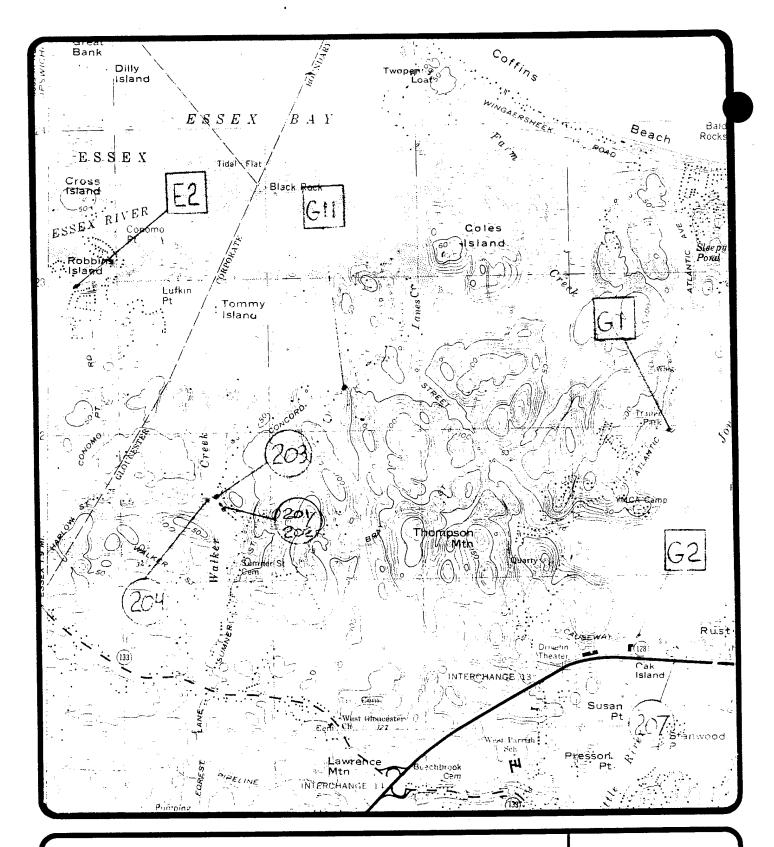
- 1991

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New England Division





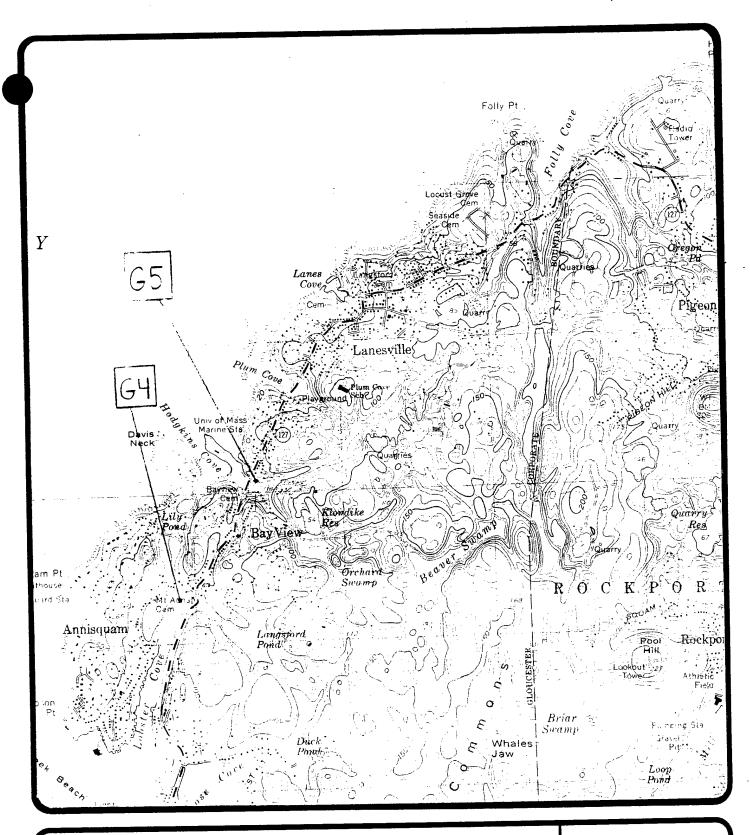


USGS 7.5 Minute Quadrangle - Gloucester, MA.

- 1991

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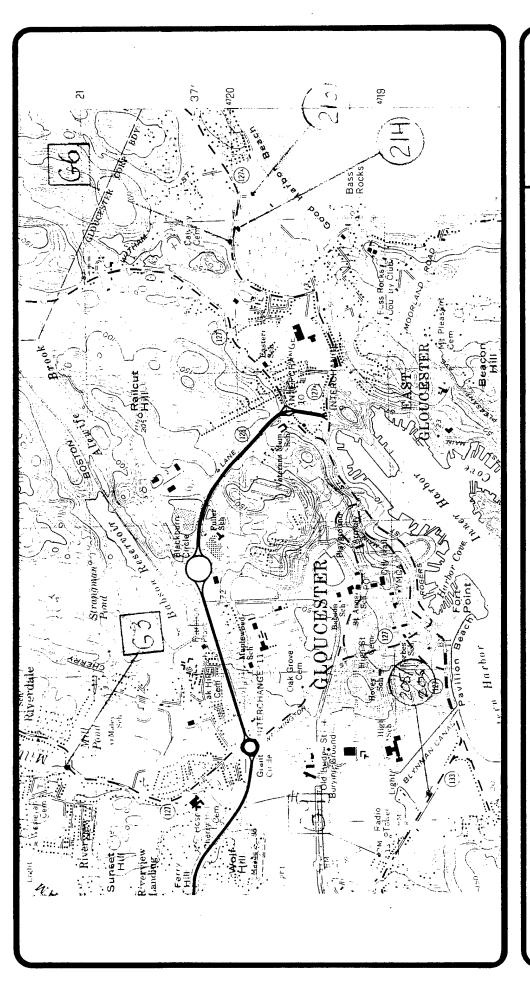
USGS 7.5 Minute Quadrangle - Gloucester, MA.

- 1991

O - 1978

New England Division





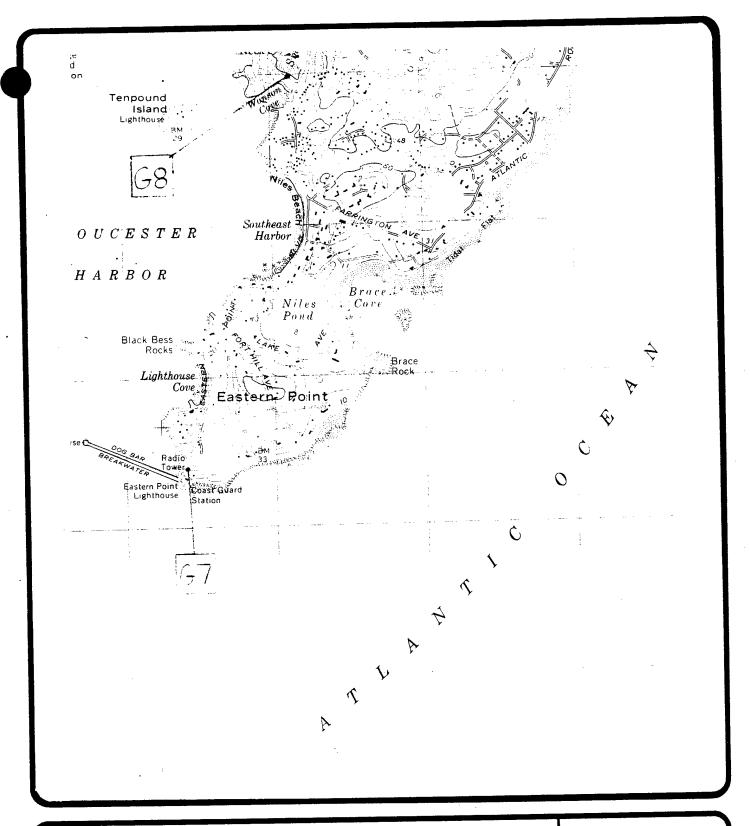
Gloucester, MA

USGS 7.5 Minute Quadrangle -

0 - 1978



US Army Corps of Engineers New England Division



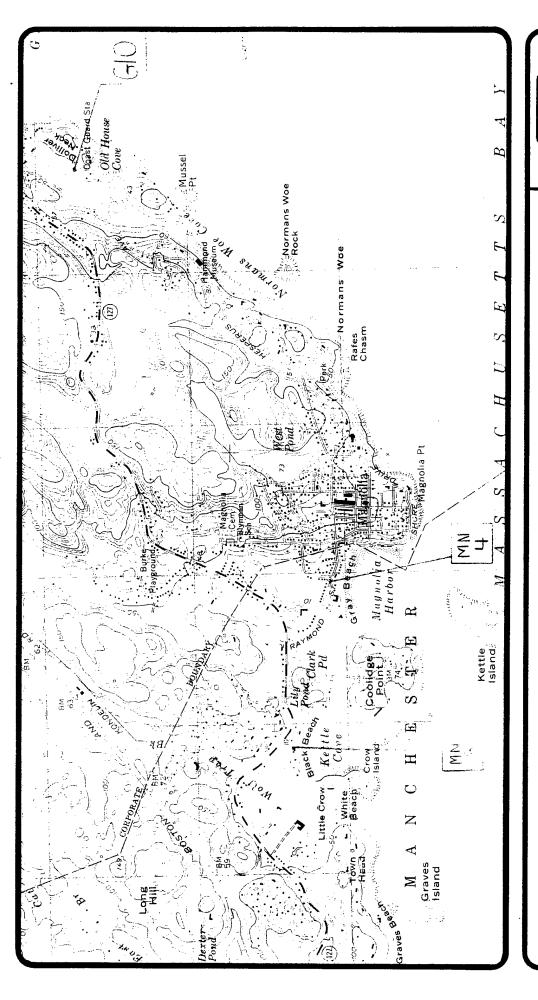
USGS 7.5 Minute Quadrangle - Gloucester, MA.

- 1991

O - 1978

New England Division



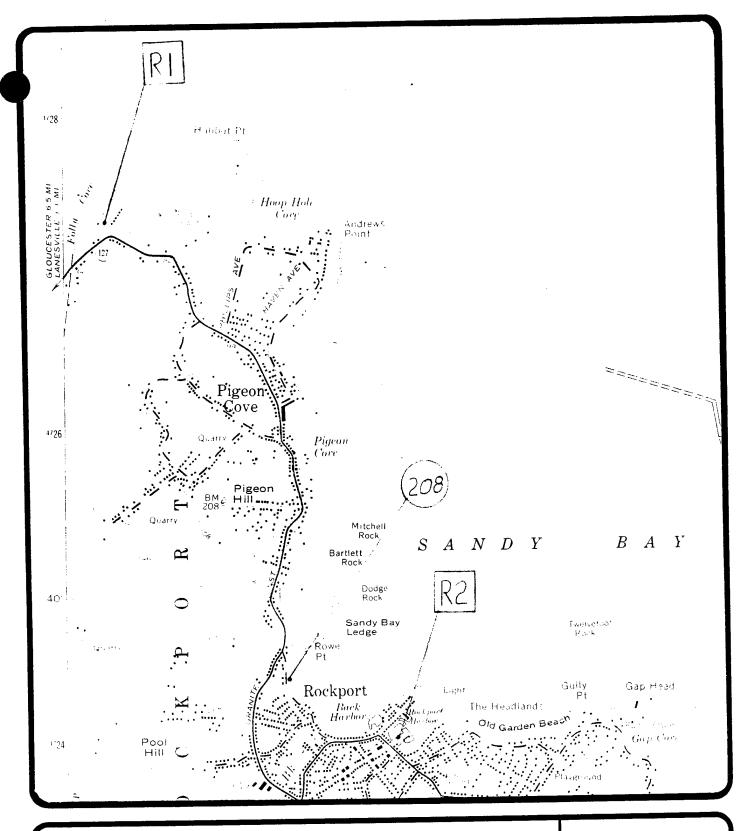


USGS 7.5 Minute Quadrangle - Gloucester, MA



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US Army Corps of Engineers New England Division



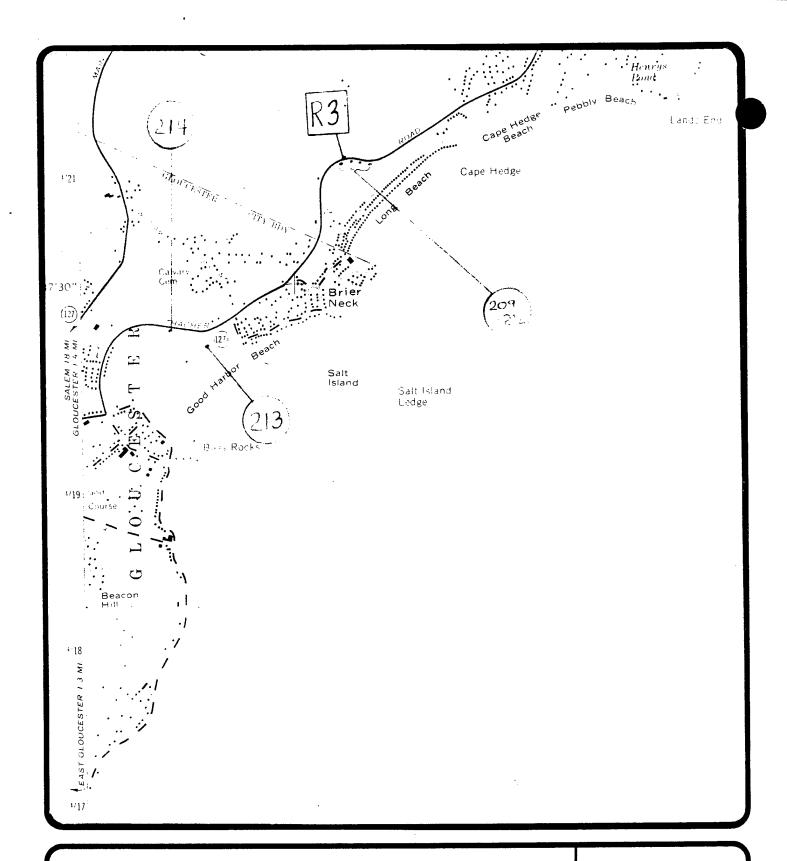
USGS 7.5 Minute Quadrangle - Rockport, MA.

- 1991

O - 1978

New England Division





USGS 7.5 Minute Quadrangle - Rockport, MA.

- 1991

O - 1978

New England Division

APPENDIX

MANCHESTER, MASSACHUSETTS

(Tributary of)	Karen Schofield (Obto	High water is where the and John Yen
(Tributary of) escription of high watermark: Is across from seawall near concrete sla Close to the road off the corner of a st stake meets the ground. November 1991 (Date obtained) Joseph Falzone, 73 Harbor Street (Name and address of person	(City or Town) ith orange ribbon of the ab between tan and tonewall in yard. Karen Schofield (Obto) pointing out high	(State) denotes debris line. State light brown house (#73). High water is where the and John Yen tained by) watermark)
escription of high watermark: Is across from seawall near concrete slated to the road off the corner of a stake meets the ground. November 1991 (Date obtained) Joseph Falzone, 73 Harbor Street (Name and address of person	tonewall in yard. Karen Schofield (Obe	denotes debris line. Starlight brown house (#73). High water is where the and John Yen tained by) watermark)
is across from seawall near concrete slate across from seawall near concrete slate across to the road off the corner of a stake meets the ground. November 1991 (Date obtained) Joseph Falzone, 73 Harbor Street (Name and address of person	Karen Schofield (Obto	light brown house (#73). High water is where the and John Yen tained by) watermark)
Close to the road off the corner of a stake meets the ground. November 1991 (Date obtained) Joseph Falzone, 73 Harbor Street (Name and address of person	Karen Schofield (Obt	High water is where the and John Yen tained by) watermark)
(Date obtained) Joseph Falzone, 73 Harbor Street (Name and address of person	Karen Schofield (Obt	and John Yen tained by) watermark)
(Date obtained) Joseph Falzone, 73 Harbor Street (Name and address of person	(Obt	watermark)
(Date obtained) Joseph Falzone, 73 Harbor Street (Name and address of person	(Obt	tained by) watermark)
Joseph Falzone, 73 Harbor Street (Name and address of person	pointing out high	watermark)
(Name and address of person		
(If not pointed out, how obtained?)	(Date and how	ur of high watermark)
(If not pointed out, how obtained?)	(Date and ho	ur of high watermark)
(If not pointed out, how obtained?)	(Date and how	or or nigh watermark)
	•	
(Elev. of high watermark) (Datum)	(Benchmark r	eferred to) (Datum)
(Elev. of high watermark)	•	
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)		
	(Data)	(Order of levels)
(Elevation determined by)	(Date)	(Older or levers)
(Nearest dam upstream or downstream)	(Latitude and	longitude of watermark)
,de de d	•	•
Remarks - (Failure of dams upstream, el	ountion and time o	f other points on
hydrograph, factors that migh	t office high water	rmark elevation of
previous flood heights at sam	e noint etc)	Imark, Cicracion o-
previous flood neights at sam	e point, etc.,	
NOTE: Confident Point. Eyewitness poi	nted out debris li	ne. Broken seawall
also indicated flooding in the a	rea.	
	,	

State with one (Debris Line) stonewall Tan House W/ Green Shutters #73 Harbor St Poble of Spanned. SEAWALI Concrete Slab

Singing Beach (Northeast of Ballarach	Cove)	MN2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Manchester	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Ribbo	n on front right corn	er of beach house at
Singing Beach. Mark is approximately	l foot above sidewal	k
5 November 1991	Karen Schofield	and John Yen
(Date obtained)	(Obt	ained by)
(Name and address of perso	on pointing out high	watermark)
		·
Debris Line along beach house and fen		r of high watermark)
(If not pointed out, how obtained?)	toate and nod	or high vacermary
	_	(5)
(Elev. of high watermark) (Datum) (Benchmark re	ferred to) (Datum)
	- (7)	(Class. of watermark)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of Watermark)
20000 42101 2011220,		
(Elevation determined by)	(Date)	(Order of levels)
(Bicyclian Coldination by)	•	
(Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
•		
Remarks - (Failure of dams upstream, hydrograph, factors that mi	elevation and time of	other points on mark, elevation of
previous flood heights at s		•
NOTE: Fairly Confident Point. Disti	nct line with floodin	g indications in back
of house but distinct line onl	y along front of beac	h house where wave acti
was.		

Beach St. Beach House chain Link Fence Oranger ison 21H apple sidewalk Singing Beach MN2

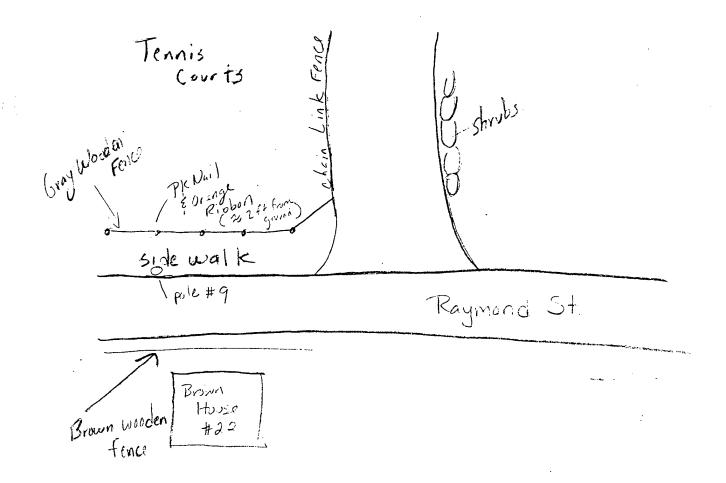
Kettle Cove		,		Ŋ	1 N3	
(Name of River, Bay or Harbor)	1)	files from M	louth)	(Water	mark No.)	
·		chester		N	1A	
(Tributary of)		(City or Tow	m)	(St	ate)	_
Description of high watermark:		take marks			e is near	
left front corner of the garage	beside t	he stone wa	11. Hig	h water man	ck is wher	e
the stake meets the ground.			<u></u>			
5 November 1991		Karen Sch	ofield a	ınd John Yer	<u> </u>	
(Date obtained)			(Obta	ined by)		
Talked to Bill Hatcher (Hatcher (Name and address of (If not pointed out, how obtain	f person	pointing out	t high w	Traverse atermark)	termark)	
(Elev. of high watermark)	(Datum)	(Bench	mark ref	erred to)	(Datum	=
(Elevation of high watermark above water surface)		(Date &)	Hour)	(Class. of	watermar	k)
(Elevation determined by)		(Date) .	(Order of	levels)	
(Nearest dam upstream or downst	ream)	(Latitud	e and lo	ongitude of	watermark	.,
(Nearest dam upstream or downstream or downs	ream, ele hat might	vation and affect hig	time of h waterm	other point	is on	.,
Remarks - (Failure of dams upstandary hydrograph, factors the	ream, ele hat might s at same	vation and affect hig point, etc	time of h waterm	other point ark, elevat	s on tion of	
Remarks - (Failure of dams upstander) hydrograph, factors to previous flood height.	ream, ele hat might s at same Distinct	vation and affect hig point, etc	time of h waterm .) e on bot	other point ark, elevat	s on tion of	

Maish Area Garage Stake Gobson # 100 Ocean St. (Brown House) Ocean St

Kettle Core

MMS

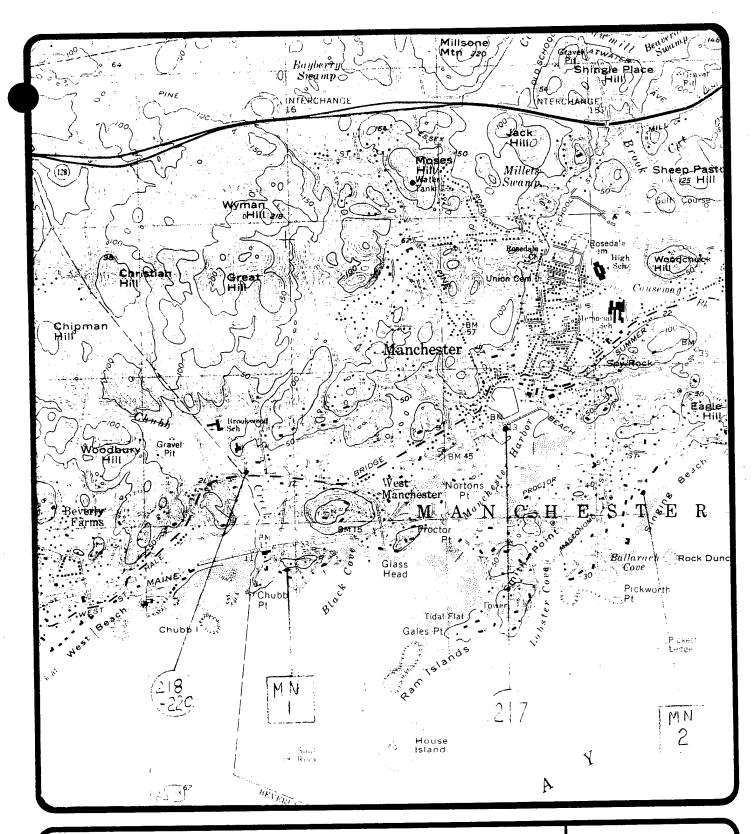
		MN4
Magnolia Harbor (Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Manchester	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: PK	nail and orange ribbon for	ence post near pole #9
The fence is gray and has tennis o	ourts behind it. Nail is	on 4th fence post fro
driveway approximately 2 feet from	ground.	
5 November 1991	Karen Schofield a	nd John Yen
(Date obtained)	(Obtai	ined by)
Distinct dirt line on fence and in		
(If not pointed out, how obtained	?) (Date and hour	of high watermark)
(If not pointed out, how obtained	?) (Date and hour tum) (Benchmark refe	
(If not pointed out, how obtained		erred to) (Datum)
(Elevation of high watermark) (Da	tum) (Benchmark refe	erred to) (Datum)
(Elev. of high watermark) (Da (Elevation of high watermark above water surface)	(Date & Hour) (Date)	(Class. of watermark)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream Remarks - (Failure of dams upstream)	(Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date)	(Class. of watermark) (Order of levels) Ingitude of watermark) other points on
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream hydrograph, factors that	(Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date) (Date)	(Class. of watermark) (Order of levels) Ingitude of watermark) other points on ark, elevation of



MN4

Σ

ARCHIVAL PRESERVERS
STYLE 35-8P



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle -

Marblehead North, MA.

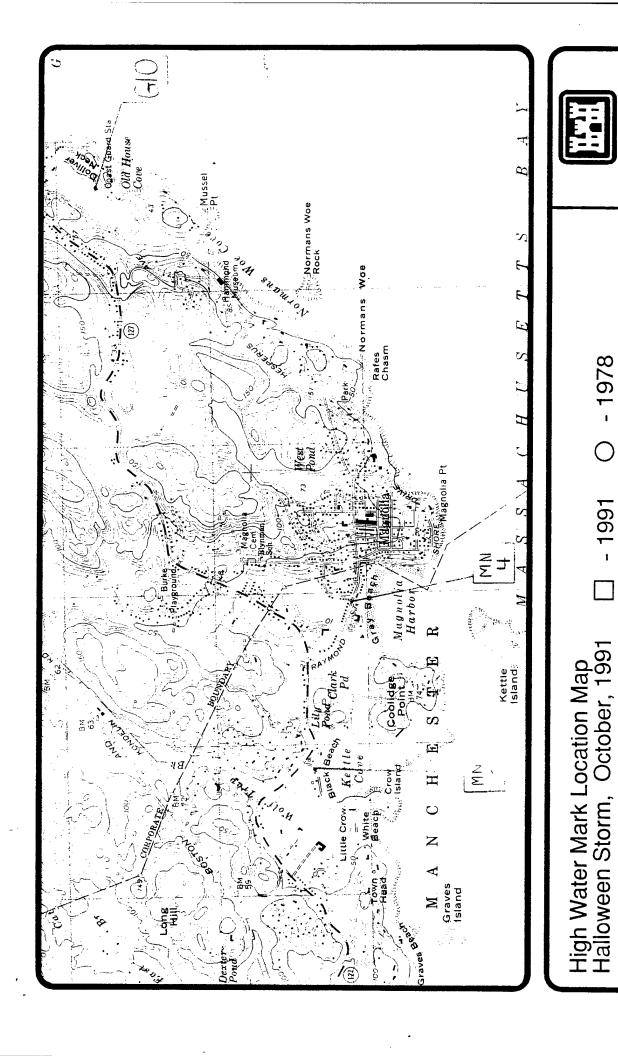
- 1991

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New England Division



US Army Corps of Engineers



US Army Corps of Engineers New England Division

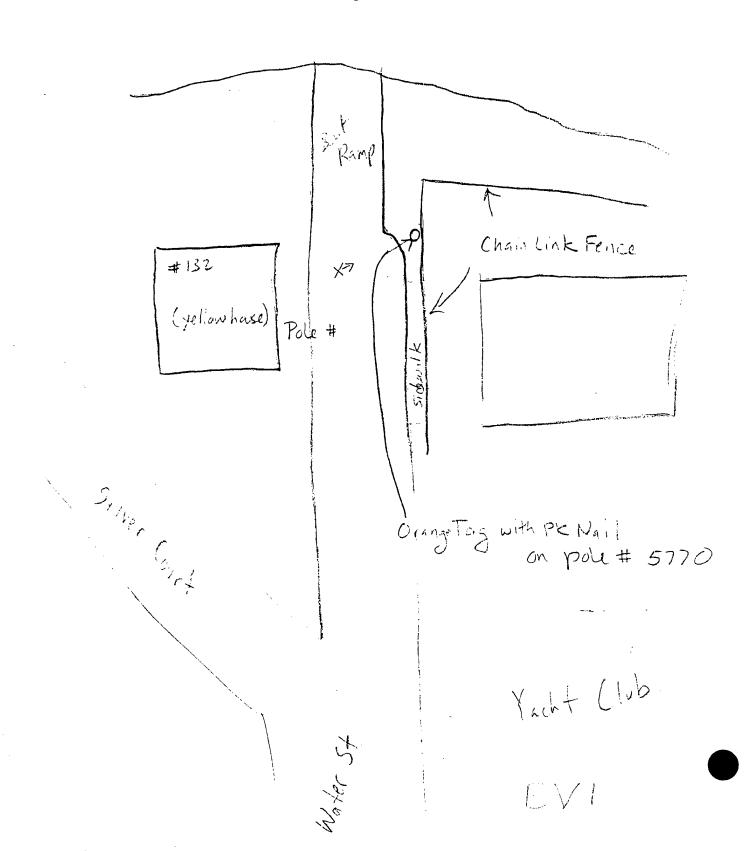
Gloucester, MA

USGS 7.5 Minute Quadrangle -

APPENDIX
BEVERLY, MASSACHUSETTS

Beverly Harbor					BV1
(Name of River, Bay or Harbor)	(M:	les	from Mouth)	(Wate	rmark No.)
·	Beve	erly			MA
(Tributary of)	((City	or Town)	(S	tate)
Description of high watermark:	PK nail	with	orange tag i	n telephone	pole #5770
approximately 16 inches above s	idewalk.	The	pole is near	the chain	link fence
across from yellow house (#132)	•				
5 November 1991		Kare	en Schofield		
(Date obtained)			(0bt	ained by)	
Police Officer Smith (Badge #54	·)				
Officer estimated height, but a water didn't flood past yacht of (If not pointed out, how obtain (Elev. of high watermark)	lub entra	nce.	Date and hou		(Datum)
(Elevation of high watermark			ate & Hour)		f watermark
above water surface)					
(Elevation determined by)			(Date)	(Order o	f levels)
(Nearest dam upstream or downstr	eam)	(La	atitude and l	ongitude of	watermark)
Remarks - (Failure of dams upstr hydrograph, factors th previous flood heights	nat might	affed	ct high water	other poin	ts on tion of
NOTE: Fairly confident. Police	ce Officer	gave	us the appr	oximate hei	ght, but
compared to roadway heig	ht. estim	ate m	mav be a litt	le high.	
			_ 		

Beredy Hzibor



Beverly Harbor		BV2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
,	Beverly	MA
(Tributary of)	(City or Town)	(State)
. Description of high watermark:	Stake with orange ribbon ma	rks the debris line
near left corner of beach house.	The beach is part of Perc	y Lyons Park on
Lothrop Avenue. Highwater mark	is where the stake meets the	e ground.
5 November 1991	Karen Schofield	
(Date obtained) Officer Smith (from point #5) sa that to be true.		ined by) ris line indicates
Distinct Debris Line found (If not pointed out, how obtain	person pointing out high water ed?) (Date and hour	of high watermark)
(Elev. of high watermark) (Datum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstr	eam) (Latitude and lo	ngitude of watermark)
Remarks - (Failure of dams upstr hydrograph, factors th previous flood heights	hat might affect high waterm	other points on ark, elevation of
NOTE: Mostly Confident Point.	Distinct debris lines and r	oad was known to be
flooded. Slight chance b	peach was too high to indica	te continuous surge
waters and not just pondi	ing.	

Lothrap Ave

Percy Lyons Park

Beach

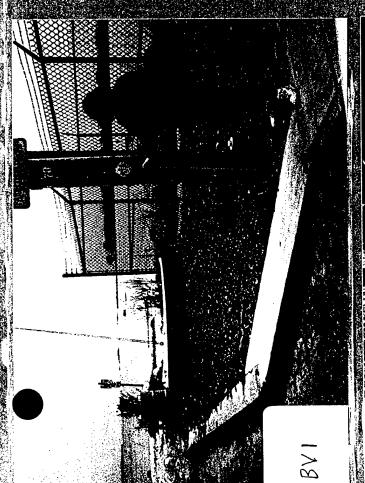
Beach

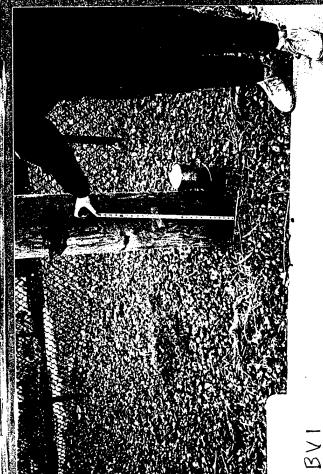
Beach

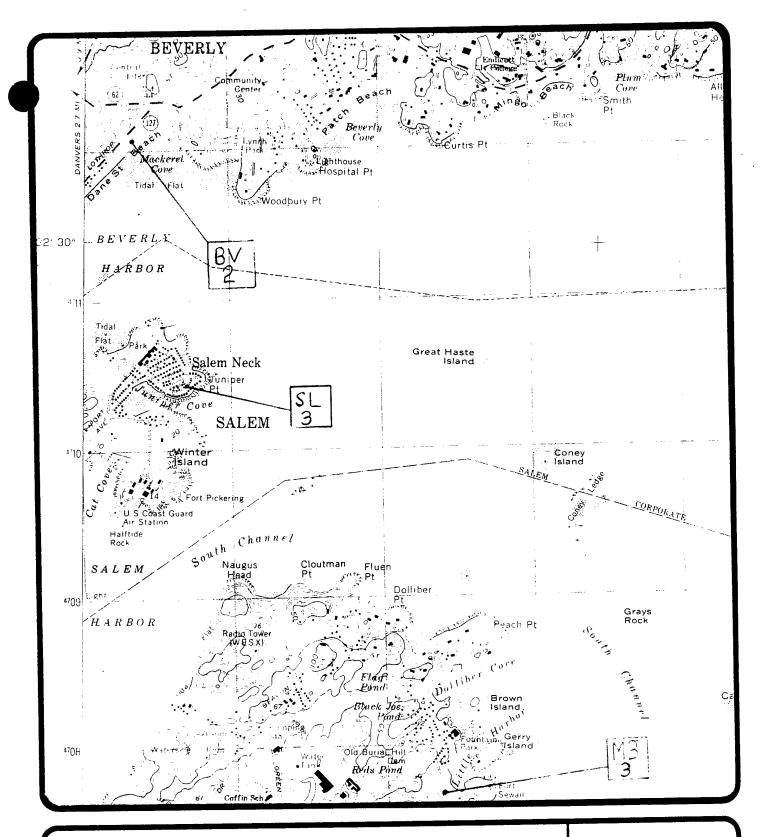
Beverly Harbor.

BW2









High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle -

Marblehead North, MA.

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APPENDIX
DANVERS, MASSACHUSETTS

Porter River	•	DN 1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
•	Danvers	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Rib	bon tied on pier on th	ne right of boat ramp
at Pope's Landing. The boat ramp i	s near the Harbormaste	er Building and the ribbor
is on the first pier on the right s	ide of walkway approx	imately 16" down top of
pier walkway.		
5 November 1991	Karen Schofield	d and John Yen
(Date obtained)	(Ot	otained by)
Distinct Debris Line along river an (If not pointed out, how obtained?		our of high watermark)
(Elev. of high watermark) (Dat	um) (Benchmark	referred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	(Latitude and	longitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high wat	of other points on ermark, elevation of
NOTE: Confident Point. Distinct De	ebris Line around the	general area and right
on the shoreline.		

DNI

			DN2
(Name of River, Bay or Harbor) –	(Miles from Mouth)	(Watermark No.)
·	Da	anvers	MA
(Tributary of)		(City or Town)	(State)
Description of high watermark:	Debris	line marked with st	ake near beach at woode
fence beside gray house ($\#35$).	Access	to stake is grassy	"roadway" between the
two fences as shown on map. Hi	ighwater	is where the stake	and ground meet.
5 November 1991		Karen Schofield	and John Yen
(Date obtained)		(Obta	ained by)
James Tutko, 35 Bates Street			•
(Name and address o	f person	pointing out high	watermark)
			-
(If not pointed out, how obtain	ned?)	(Date and hour	r of high watermark)
(12 mot pointed also, a	·		
(Flav. of bigh watermark)	(Datum)	(Benchmark re	ferred to) (Datum)
(Elev. of high watermark)	(Datum)	(Benchmark re	ferred to) (Datum)
(Elev. of high watermark) (Elevation of high watermark above water surface)		(Benchmark re	
(Elevation of high watermark			
(Elevation of high watermark above water surface)		(Date & Hour) (Date)	(Class. of watermark)
(Elevation of high watermark above water surface) (Elevation determined by)	ream) ream, e	(Date & Hour) (Date) (Latitude and levation and time of the affect high water)	(Class. of watermark) (Order of levels) ongitude of watermark) other points on
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downst hydrograph, factors to previous flood height	ream) ream, e. hat mig	(Date & Hour) (Date) (Latitude and levation and time of the affect high water)	(Class. of watermark) (Order of levels) ongitude of watermark) other points on mark, elevation of
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downst hydrograph, factors to previous flood height	ream) ream, e. hat migins at san	(Date & Hour) (Date) (Latitude and levation and time of ht affect high water me point, etc.) is line here and in	(Class. of watermark) (Order of levels) ongitude of watermark) other points on mark, elevation of the area. Also

العرابة والمعارف

(1)

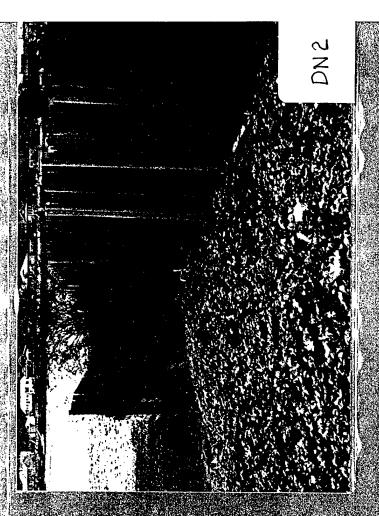
Danvers River Beach Chain link fence Stand Ourge the to repork debox Gray House Light Green (James Tuko) Chain link Fence

Riverside St.

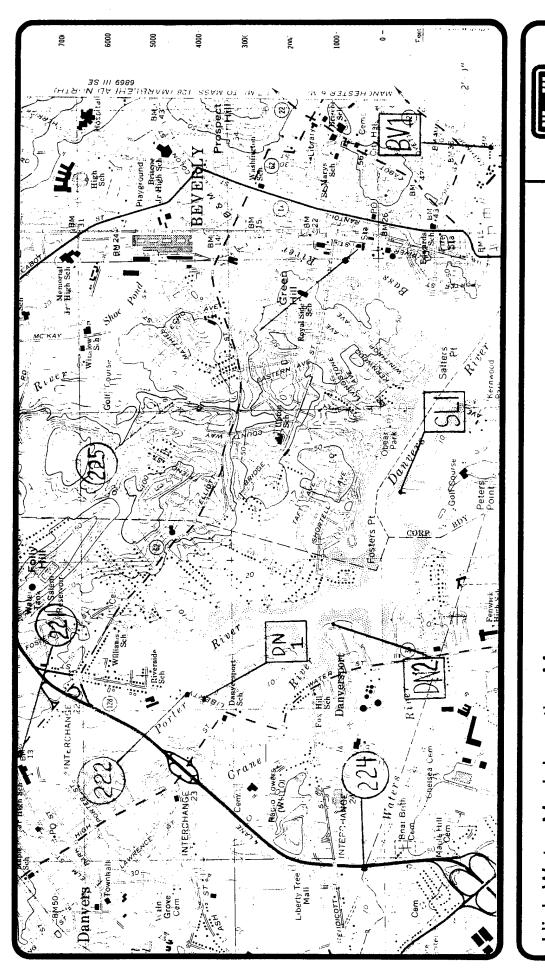
DNZ

Riverside & Bates are off of Rt 35.

S.







High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle -

Salem, MA.



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US Army Corps of Engineers New England Division APPENDIX

SALEM, MASSACHUSETTS

Danvers River		SLl
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Salem	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: De	bris Line marked with sta	ake and orange ribbon
near the 6th hole ladies' tee at Ko	ernwood Country Club. (T	his point is better
than #1.) Highwater elevation is	where the stake meets the	ground.
5 November 1991	Karen Schofield a	and John Yen
(Date obtained)	(Obta	ined by)
Dean Robertson, Golf Course Superin	ntendent (745-7289)	
(Name and address of pe	erson pointing out high w	atermark)
		·
(If not pointed out, how obtained?	(Date and hour	of high watermark)
·		
(Elev. of high watermark) (Dat	um) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	n) (Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream	n, elevation and time of	other points on
hydrograph, factors that previous flood heights at	might affect high waterm	mark, elevation of
hydrograph, factors that	might affect high waterm t same point, etc.)	
hydrograph, factors that previous flood heights at	might affect high waterm t same point, etc.)	

Salem Harour

-wooden wall

Roadway

ladies' tec POND

Whole

Stake

Woranic

applux location

X - picture taken

E direction

SL

Salem Harbor		SL2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Salem	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Two c	range tags along chai	nlink fence along
road by harbor in Pioneer Village Par	k. Entrance to park	is at the end of
West Avenue. The chainlink fence is	at the back of the pa	rk. Second orange tag
approximately 22 inches from ground.		
5 November 1991	Karen Schofield	and John Yen
(Date obtained)	(Obt	ained by)
(Name and address of pers	on pointing out high	watermark)
Distinct Debris Line on fence		- of high waterwark)
(If not pointed out, how obtained?)	(Date and nou	r of high watermark)
(Elev. of high watermark) (Datum) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)		
		(Order of levels)
(Elevation determined by)	(Date)	(Older of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
	,	
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ght affect high water.	other points on mark, elevation of
NOTE: Confident Point. Distinct Lin	e on fence right near	shoreline.
		•

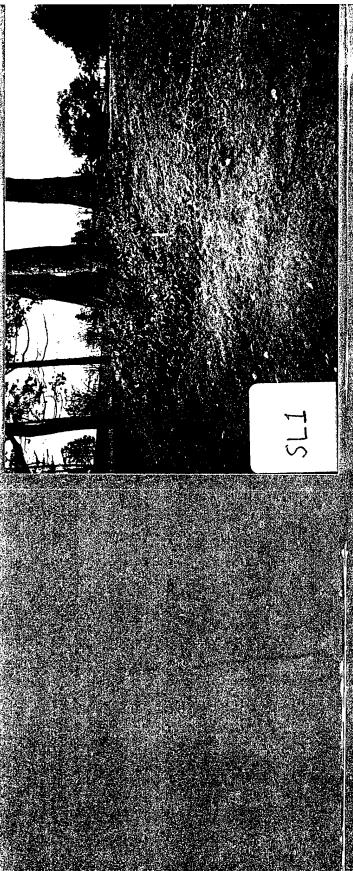
Pioneer Village sign Baseball Field. to to fix 22" for gound) : Bout Salem Harbor

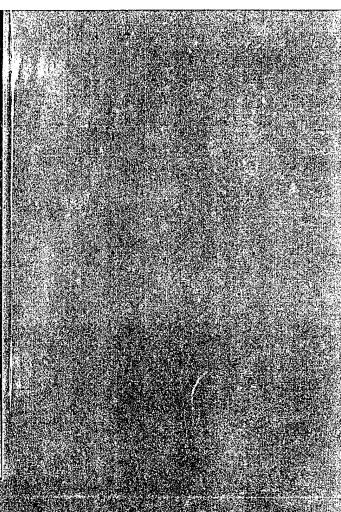
SLZ

		SL3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Salem	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Di	irt line along garage doors	s along Cheval Street
and across from #14 (white house).	. There's an orange ribbon	n and PK nail on the pol
between the 6th and 7th garage doo	ors (from right).	
5 November 1991 (Date obtained)	<u>Karen Schofield an</u> (Obtai	nd John Yen ned by)
(Name and address of p	erson pointing out high wa	termark)
(If not pointed out, how obtained Distinct mark on garage doors and debris lines in the area.		of high watermark)
	tum) (Benchmark refe	rred to) (Datum)
	(Benchmark refe	(Class. of watermark)
(Elev. of high watermark) (Da		
(Elev. of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by)	(Date & Hour)	(Class. of watermark)
(Elevation of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstrea Remarks - (Failure of dams upstrea	(Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date)	(Class. of watermark) (Order of levels) gitude of watermark)
(Elevation of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstrea hydrograph, factors that	(Date & Hour) (Date) (Date) (Intitude and lone) (Intitude and lone)	(Class. of watermark) (Order of levels) gitude of watermark) ther points on rk, elevation of

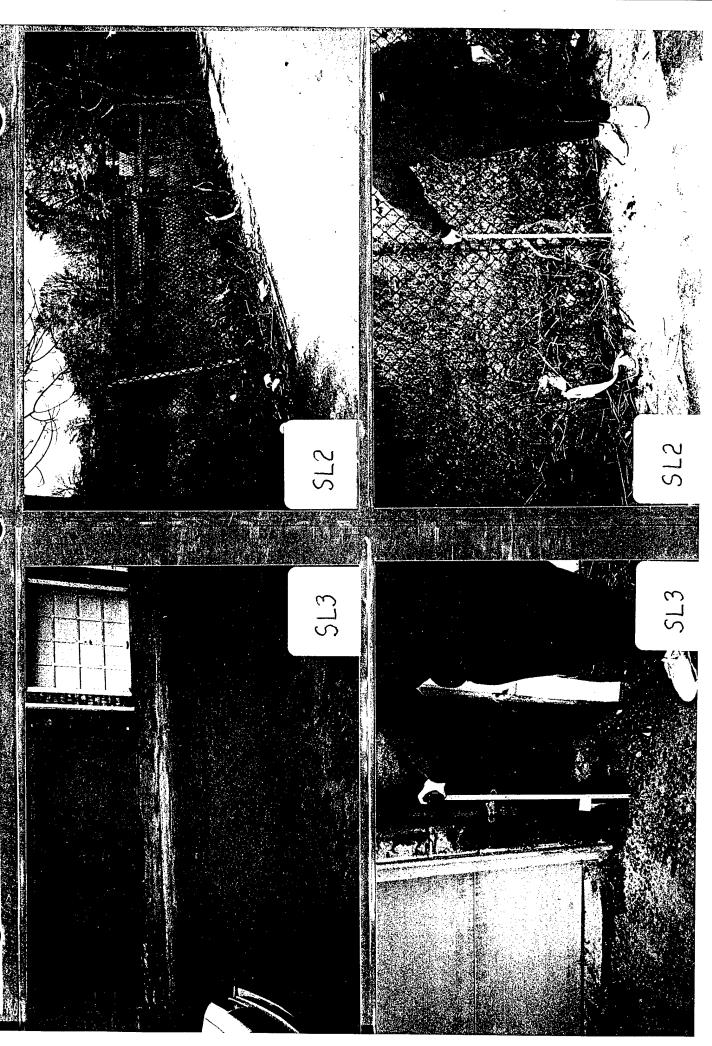
Garage (Gray | white 5 4 Cheva orange tag on pose white House #14 Yellow House

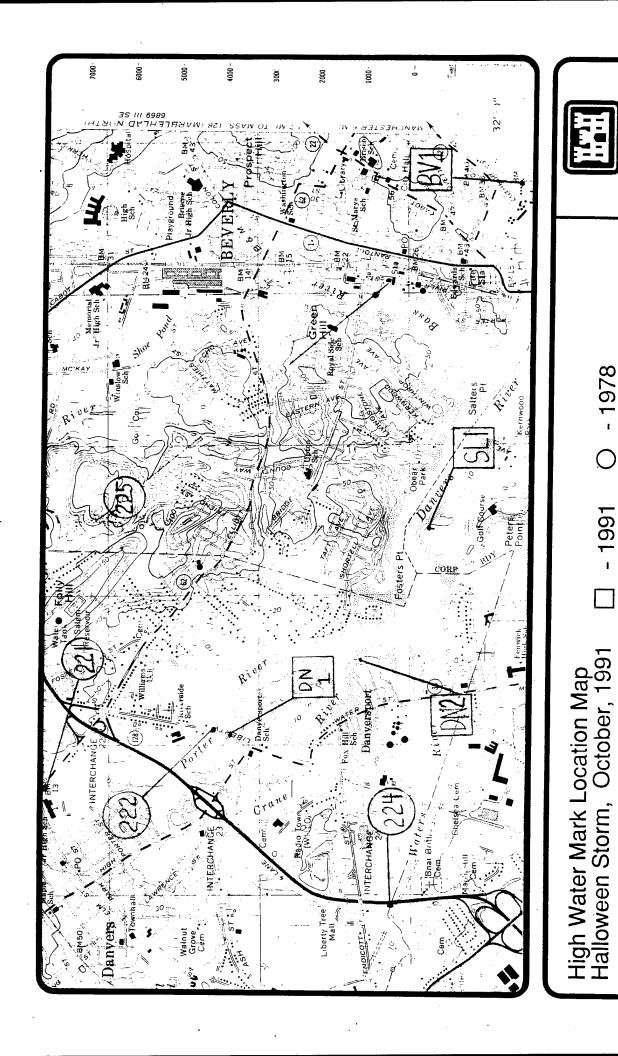






STYLE 35-8P



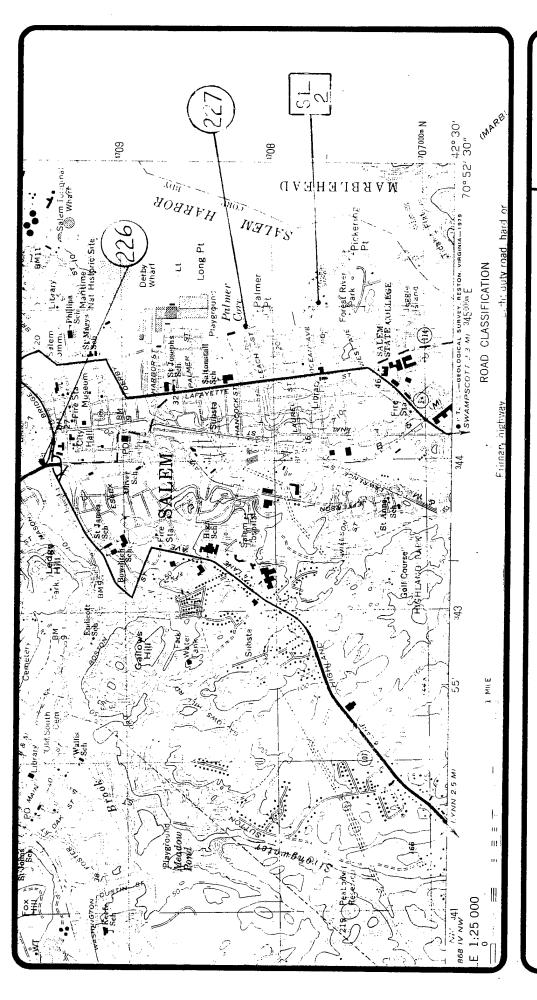


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New England Division **US Army Corps**

- 1991

Salem, MA.

USGS 7.5 Minute Quadrangle -



High Water Mark Location Map Halloween Storm, October, 1991

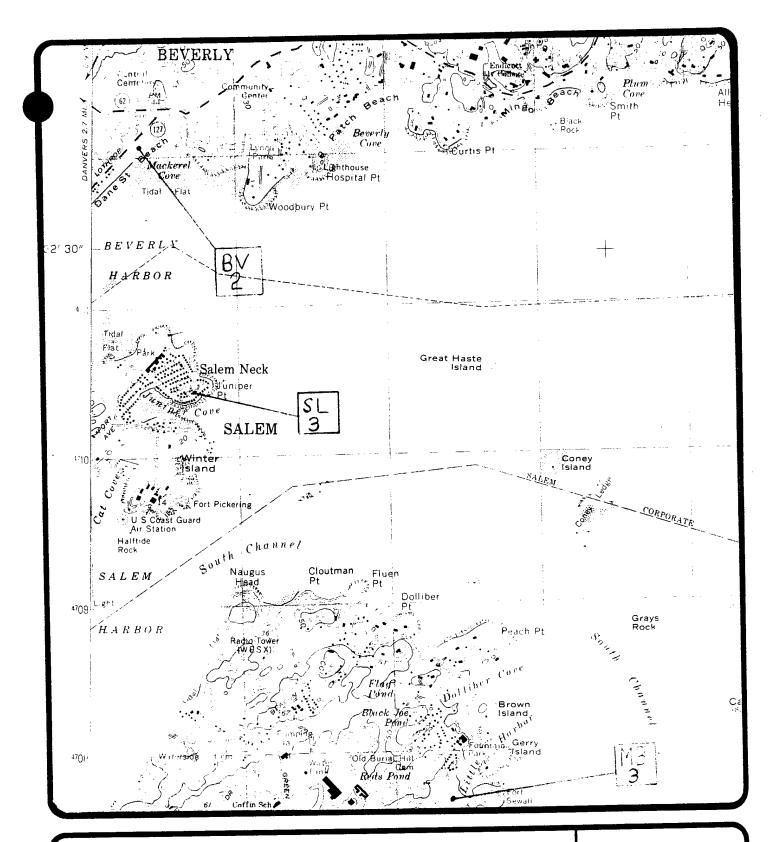
Salem, MA.

USGS 7.5 Minute Quadrangle -



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US Army Corps of Engineers New England Division



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle -

Marblehead North, MA.

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New England Division



US Army Corps of Engineers

APPENDIX

MARBLEHEAD, MASSACHUSETTS

Atlantic Ocean		MB 1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
,	Marblehead	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Dev	vereux Beach. Two orange	ribbons on chainlink
fence along right side of road near	beach. The 4th and 5th	pole from the
turnaround are marked behind guardr	cail (see orange spray pa	int). Tag on 4th pol
is about two feet above sidewalk.		· .
4 November 1991	Karen Schofield a	
(Date obtained)	(Obta	ined by)
Mr. Robert Hammond, Superintendent		
(Name and address of pe	erson pointing out high w	atermark)
(If not pointed out, how obtained?	(Date and hour	of high watermark)
(Elev. of high watermark) (Dat	um) (Benchmark ref	erred to) (Datum)
(Elev. of high watermark) (Date (Elevation of high watermark above water surface)	(Benchmark ref	
(Elevation of high watermark		
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation of high watermark above water surface) (Elevation determined by)	(Date & Hour) (Date) (Date) (Latitude and loue, elevation and time of might affect high waterm	(Class. of watermark (Order of levels) ngitude of watermark) other points on
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream hydrograph, factors that previous flood heights at	(Date & Hour) (Date) (Date) (Latitude and loue, elevation and time of might affect high waterm	(Class. of watermark) (Order of levels) ngitude of watermark) other points on ark, elevation of
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream hydrograph, factors that previous flood heights at	(Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date)	(Class. of watermark) (Order of levels) ngitude of watermark) other points on ark, elevation of

OCEAN

Devereux Beach

tag fence

gualdrail.

OCEAN AVE

tag approx 214 abore signwalt.

ME

ches from house since aren Schofield and (Obtain ting out high wat	section of Ocean Aven Lab. I John Yen
y or Town) Long house marked ouse at the inters ches from house si aren Schofield and (Obtain ting out high wat	(State) by orange ribbon section of Ocean Aven lab. d John Yen led by) ermark)
ong house marked ouse at the inters thes from house sl aren Schofield and (Obtain ting out high wat	by orange ribbon section of Ocean Aven lab. d John Yen ed by)
ches from house slaren Schofield and (Obtain ting out high wat	section of Ocean Aven Lab. d John Yen ed by) ermark)
ches from house since aren Schofield and (Obtain ting out high wat	d John Yen ed by) ermark)
(Obtain ting out high wat	d John Yen ed by) ermark)
(Obtain ting out high wat) October 1991	ed by) ermark)
ting out high wat	ermark)
) October 1991	
) October 1991	
) October 1991	
(Benchmark refer	red to) (Datum)
Date & Hour)	(Class. of watermark)
(Date)	(Order of levels)
(Latitude and long	gitude of watermark)
ion and time of or	ther points on rk, elevation of
int, etc.)	
int, etc.)	have been flooded.
int, etc.)	have been flooded.
- ((Date)

236

Gutter (scum line & 14 inches above house slab)

Rorange Tag on tree

Z Fence

Ocean Avenue

1733

Atlantic

Ocean

Little Harbor		MB3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
·	Marblehead	MA
(Tributary of)	(City or Town)	(State)
pescription of might be determined the	ter height was height of	
lavender house (approx. 7 inches al	bove walkway). Top of s	pray paint on stone wal
to left of steps leading to house n	marks the height.	
4 November 1991	Karen Schofield	and John Yen
(Date obtained)	(Obt	ained by)
Mrs. Twaalfhoven (renter), 19 Doaks	s Lane. Owner: Glover	Realty.
_		
(If not pointed out, how obtained?	?) (Date and hou	r of high watermark)
(If not pointed out, how obtained? (Elev. of high watermark) (Date		
(Elev. of high watermark) (Date (Elevation of high watermark	cum) (Benchmark re	ferred to) (Datum)
(Elev. of high watermark) (Date (Elevation of high watermark above water surface)	(Date & Hour)	ferred to) (Datum) (Class. of watermark)
(Elev. of high watermark) (Dat (Elevation of high watermark above water surface)	(Date & Hour) (Date) (Date) (Date) (Date) (Date)	ferred to) (Datum) (Class. of watermark) (Order of levels) ongitude of watermark) other points on
(Elevation of high watermark) (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream hydrograph, factors that	(Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date)	ferred to) (Datum) (Class. of watermark) (Order of levels) ongitude of watermark) other points on mark, elevation of

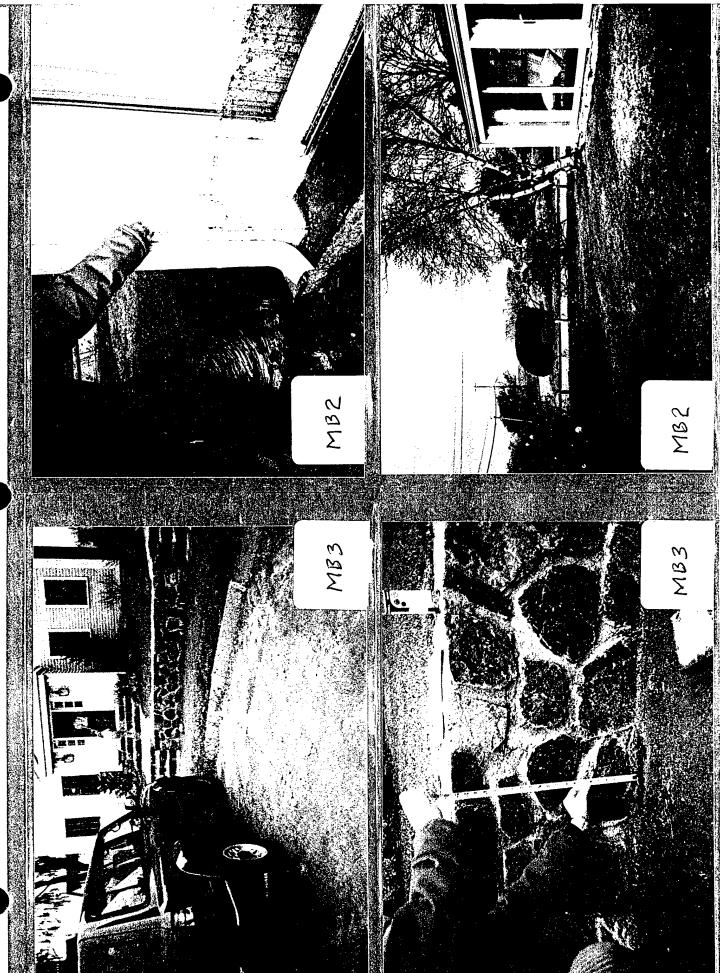
Lavender
House
#19.

Over see Spray
Paint on stone wall
on right of steps leading
to house.

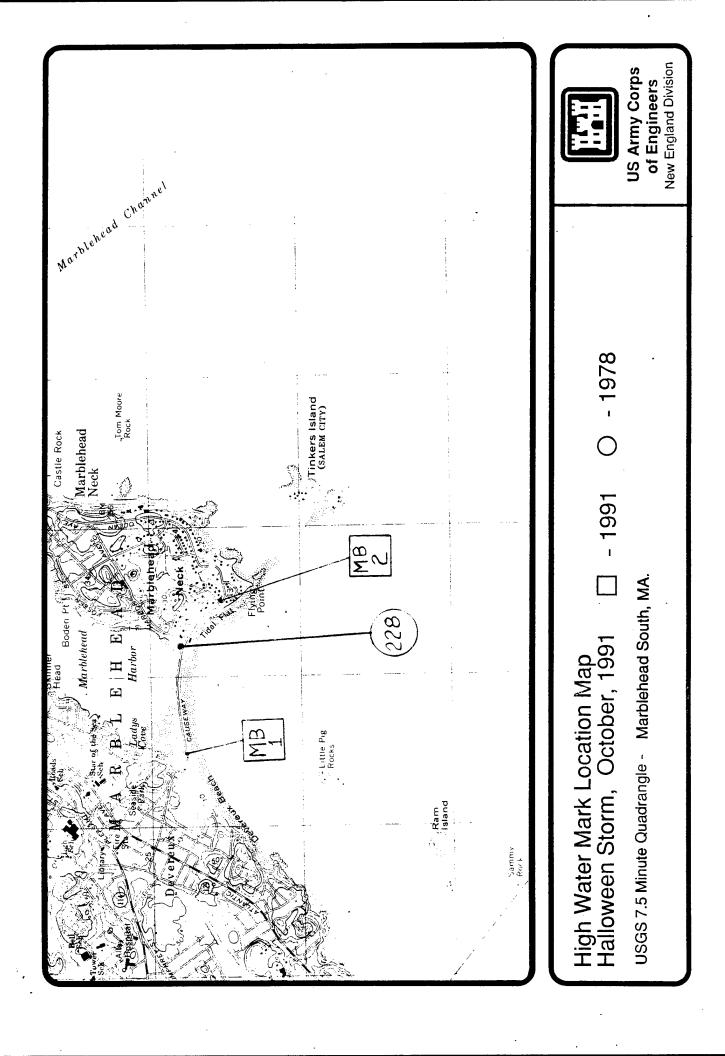
Marina.

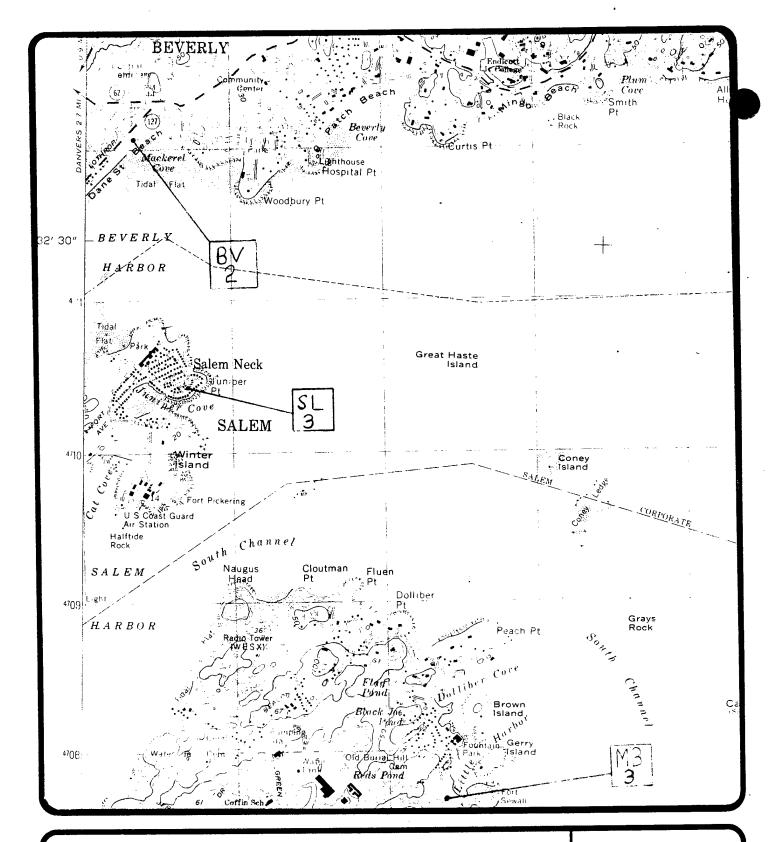
Little Yalbor

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High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle -

Marblehead North, MA.

- 1991

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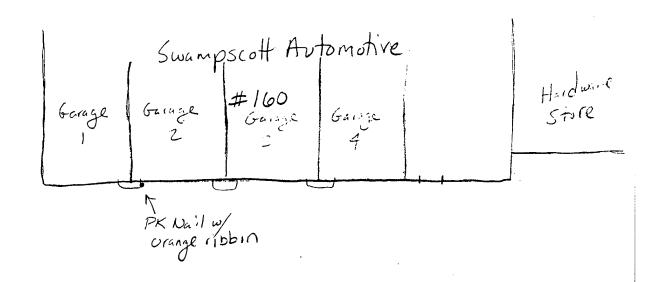
New England Division

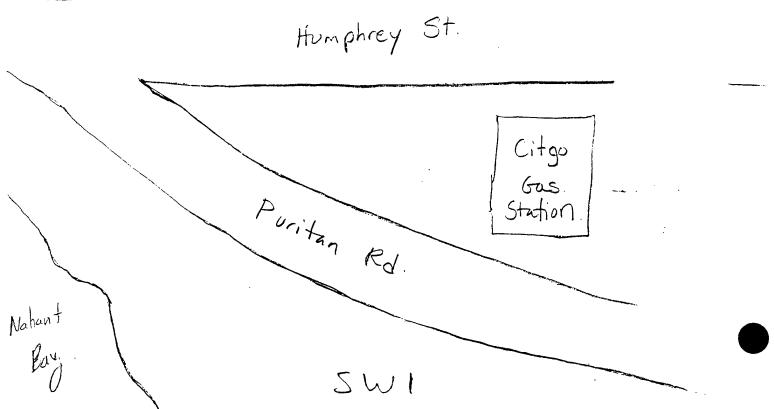


US Army Corps of Engineers

APPENDIX SWAMPSCOIT AND NAHANT, MASSACHUSETTS

Nahant Bay		SWl
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
·	Swampscott	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: PK	nail with orange ribbon	in left side of
2nd garage door (from left). The	mark is approximately 17	inches above concrete
slab.		
4 November 1991	Karen Schofield a	and John Yen
(Date obtained)	(Obta	ined by)
James Dawson, 460 Humphrey Street	(garage)	
(Name and address of p	erson pointing out high w	atermark)
Distinct Debris Line inside garage	as well as outside.	
(If not pointed out, how obtained		of high watermark)
•		
		•
(Elev. of high watermark) (Da	tum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Flavories determined by)	(Date)	(Order of levels)
(Elevation determined by)	(bacc)	
(Nearest dam upstream or downstream	m) (Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstrea hydrograph, factors that previous flood heights a	might affect high watern	other points on mark, elevation of
NOTE: Confident Point. Distinct	debris line and eyewitnes	ss of road flooding.





Massachusetts Bay		SW2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Swampscott	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark.	ange ribbons along chainl	
line. At point "A" type of chainli	ink changes. At 3rd ribbo	on from point "A"
debris line was approximately 35 in	nches above sidewalk.	
4 November 1991	Karen Schofield an	nd John Yen
(Date obtained)	(Obta	ined by)
Distinct Debris Line along fence (If not pointed out, how obtained) (Elev. of high watermark) (Date of the control of the c	(Date and hour	of high watermark) erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	m) (Latitude and lo	ngitude of watermark)
previous flood heights a	might affect high waterm t same point, etc.)	ark, elevation of
NOTE: Fairly Confident Point. Di	stinct line and flooding	but there's a chance
it could be from overtoppin	g nearby seawall.	

Chain Link Fence A A phloskic bue Chain link Fence KANANA ribbon ~ 35 inches above sidewalk sidewalk Beach Bluff Ave. orangeribbon tied on poles. SWZ

Nahant Bay		SW3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
·	Swampscott	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	K nail and orange ribbon m	marks scum line on
stockade fence in back yard. The	nail is on the 2nd pole :	from right corner of
fence. (Water may only be from or	vertopping and not surge o	elevation.)
2 November 1991	Karen Schofield a	and Mark Deschenes
(Date obtained)	(Obta	ined by)
Richard Cohen, 172 Puritan Road		
	person pointing out high w	atermark)
(If not pointed out, how obtained	(Date and hour	of high watermark)
• •		
	•	
(Elev. of high watermark) (Da	tum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	am) (Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstrea hydrograph, factors that	t might affect high waterm	other points on nark, elevation of
previous flood heights a	22 Dame pount, 2001,	
previous flood heights a NOTE: Not Very Confident Point.		ers instead of surge
•		ers instead of surge

wooden stockede fence Worange nibbon Sowark My 18 En la Contraction de la Contra Prixon Rg

5W3

Massachusetts Bay	•	SW4
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
·	Swampscott	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	orange stake in between two	
near driveway off the corner of L	ittles Point Road (across	from new construction
marks debris line. Highwater mar	k where stake meets the g	round.
2 November 1991	Karen Schofield	and Mark Deschenes
(Date obtained)	(Obta	nined by)
Builder from Timberline Construct There was a distinct debris line.		
(Name and address of	person pointing out high w	atermark)
(If not pointed out, how obtaine	d?) (Date and hour	of high watermark)
(11 not pointed out, man in the	·	
	·	
(Elev. of high watermark) (D	(Benchmark ref	erred to) (Datum)
-		
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)		
	(Date)	(Order of levels)
(Elevation determined by)	(Date)	(Older of levers)
(Nearest dam upstream or downstre	(Latitude and lo	ongitude of watermark)
(Nearest dam apperaum or dominous		_
Remarks - (Failure of dams upstre hydrograph, factors tha previous flood heights	it might affect high watern	other points on nark, elevation of
·		67 1.
NOTE: Fairly Confident Point.	Distinct line with previou	is flooding.

rainer Wetland Tree 5.3) Side with orange spray Paint Lixles Point Rd New Construction

		SW5
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
S	wampscott	MA
(Tributary of)	(City or Town)	(State)
escription of high watermark: Scum 1	ine on green cement	blockwall was marked
by orange ribbon on chainlink fence in	front of wall. The	wall is on the corner
of Shepard Avenue near beach entrance.	Ribbon is approxim	ately 75 feet from corn
and approximately 4 feet above sidewal	k.	
2 November 1991		and Mark Deschenes
(Date obtained)	(Obta	ained by)
(If not pointed out, how obtained?) Distinct scum line along chainlink fence and on cement block wall.	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream, e hydrograph, factors that mig previous flood heights at sa	ht affect high water	other points on mark, elevation of
NOTE: Confident Point. Near beach an	d all fences in the	area showed some

orange ribbon
(2 4 above side walk) Field. Shapard AVE Green Cement Block wall. Chain link fence chain link fence Beach

SW5

Lynn Harbor		NH1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
•	Nahant	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Sta	ake on wall on right side	e of driveway shows
debris line. (However, may only be	e ponding of water due to	overtopping waves
rather than tide height.) The stal	ke is approx. 30 feet fro	om edge of road along
stonewall.		
2 November 1991		and Mark Deschenes
(Date obtained)	(Obta	ined by)
Talked to: Craig Mosher Home own (Name and address of pe	ner: Anthony Callerco (Cerson pointing out high w	Craig's wife's cousin)
Debris Line along grass (If not pointed out, how obtained?	?) (Date and hour	of high watermark)
(Elev. of high watermark) (Dat	tum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	m) (Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights a	might affect high watern	other points on nark, elevation of
NOTE: Not Very Confident Point.	Probable overtopped floo	ding instead of surge
waters. Much lower than se	eawall.	

Stake orange print

Stake orange print

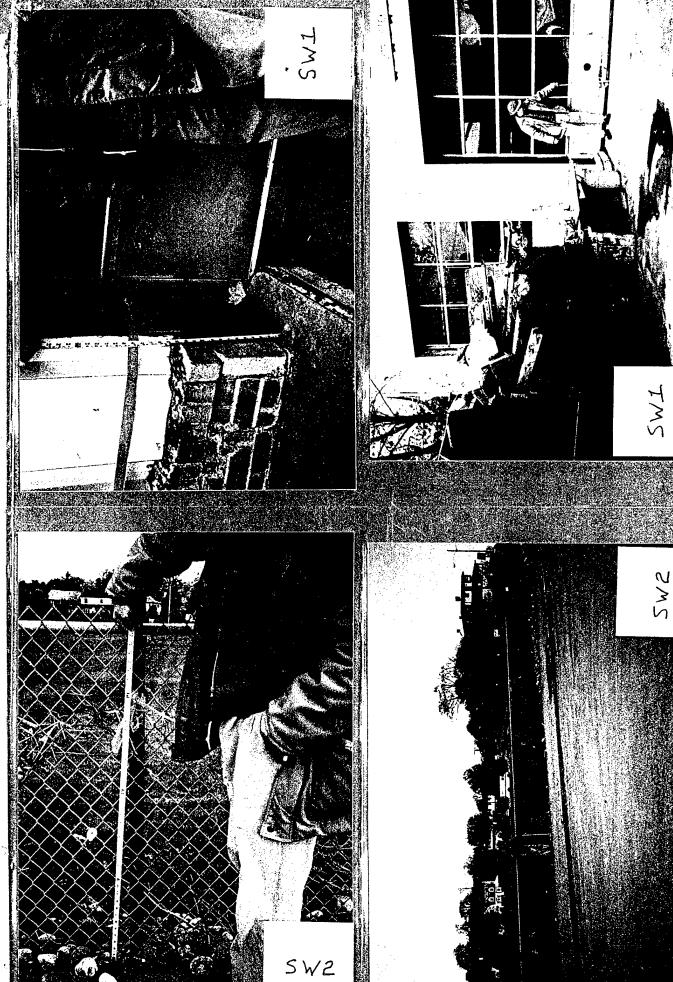
Yelions
Hoxe
Storewall

Castle Rd

Lynn Harbor

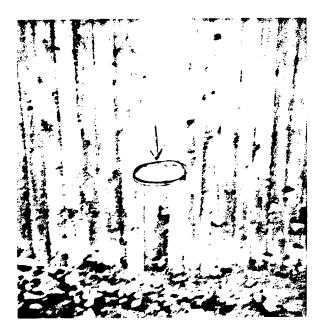
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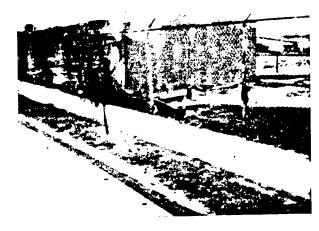


Sw4



SW4

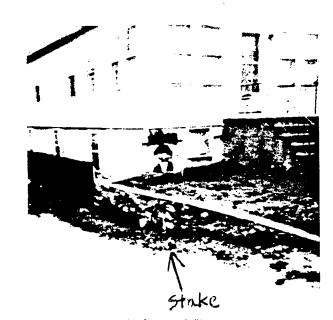




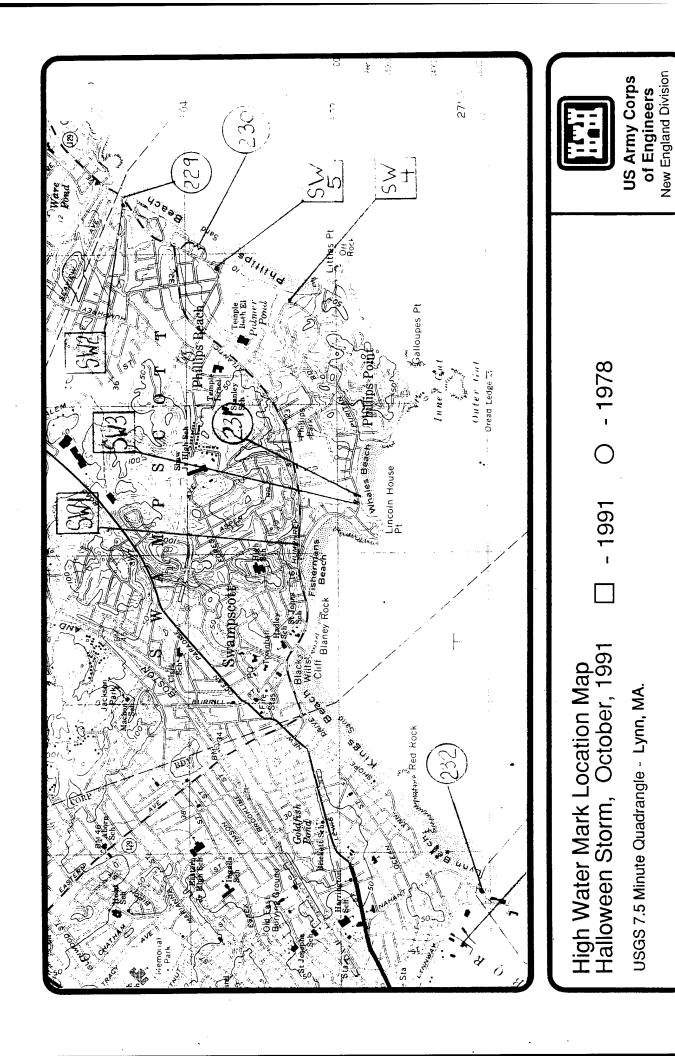
5W5

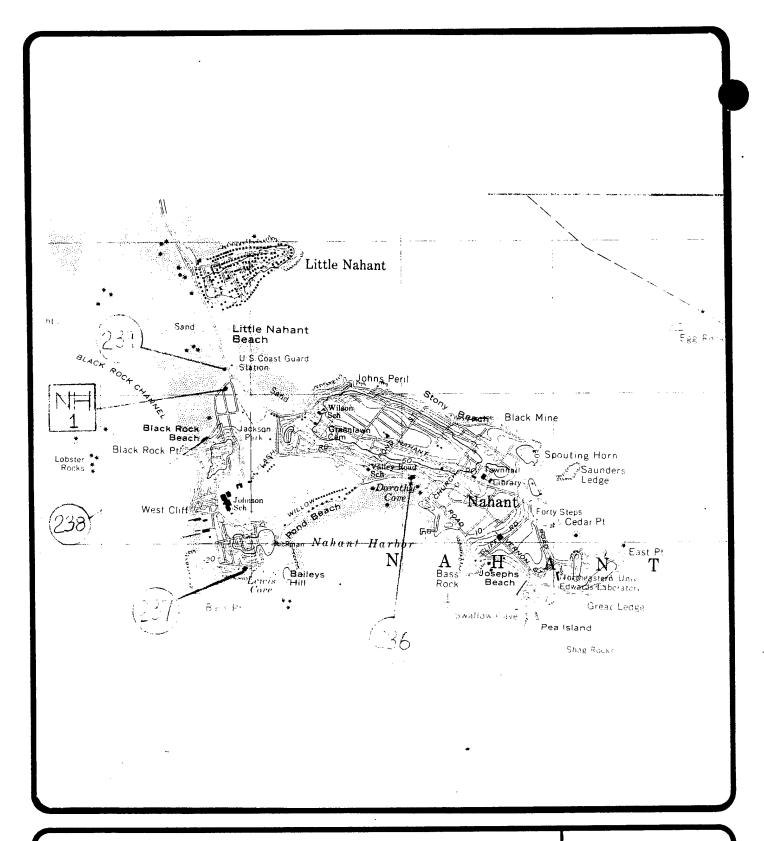


5W5



NH 1





High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Lynn, MA.

- 1991

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New England Division



US Army Corps of Engineers

APPENDIX

LYNN, MASSACHUSETTS

Atlantic Ocean		L1
(Name of River, Bay or Harbor) (Miles from Mouth)	(Watermark No.)
Near Mouth of Saugus River	Lynn	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Suspect	ed wave action alo	ng east bank near
Frederick B. Willis Pier behind Days In	nn Hotel. Area sta	ked out, debris line is
inconsistent. Location near Gen. Edwar	rds Bridge.	······································
5 November 1991	Victor Hom and	Mark Deschenes
(Date obtained)	(Obt	ained by)
(Name and address of person Debris Line	pointing out high	watermark)
(If not pointed out, how obtained?) Good	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, ele hydrograph, factors that might previous flood heights at same	affect high water	

Atlantic Ocean		L2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
Mouth of Saugus River	Lynn	·
(Tributary of)	(City or Town)	MA (State)
Description of high watermark: Notice	ceable debris line r	•
hombs and		
behind Days Inn Hotel in front of Fre		sets of stakes are local
Edwards Bridge).		er on Rt. 10/ (General
5 November 1991	Victor Hom and	Mark Deschance
(Date obtained)		cained by)
(Name and address of perso	n pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and how	r of high watermark)
Good	todec and not	r or high watermark)
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
learest dam upstream or downstream)	(Latitude and lo	ngitude of watermark)
marks - (Failure of dams upstream, el hydrograph, factors that migh previous flood heights at sam	evation and time of	

New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Saugus River		L3 & L4
(Name of River, Bay or Harbor)	(Miles from Mouth)	
Mouth of Saugus River	Lynn	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: High	water mark located u	ınder billboard on
southbound side of Rt. 107 right befo	re General Edwards I	Bridge heading toward
Revere. Ribbon attached to fence and		
5 November 1001		
5 November 1991	Victor Hom and	Mark Deschenes
(Date obtained)	(Ob	tained by)
(Name and address of perso	n pointing out high	watermark)
Debris Line		
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
Good		
(Elev. of high watermark) (Datum)	(Benchmark re	eferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
demarks - (Failure of dams upstream, einhydrograph, factors that might previous flood heights at same	nt affect high water	other points on mark, elevation of

CORPS OF ENGINEERS, U.S. ARMY PAGE ___ OCT GI FLOOD COMPUTED BY M. DESCHENES & V. HOM CHECKED BY _ BRIDE FISHING PIEK L2 BULESKLO L3, L4 YALMIN MHZ DAYS INN x - 27 yes Nt

Saugus River		L5 & L6
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Lynn	MA MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Hig	h water marks at end of	Cooper Street.
Debris line noticeable along river	bank. Total of 4 stack	s and paint line.
5 November 1991	Victor Hom and M	ark Deschenes
(Date obtained)	(Obta	ained by)
(Name and address of per	rson pointing out high	vatermark)
Debris Line		- F list watermark
(If not pointed out, how obtained?)) (Date and hour	r of high watermark)
(Elev. of high watermark) (Date	um) (Benchmark ref	Ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)) (Latitude and lo	ongitude of watermark)
·		
Remarks - (Failure of dams upstream hydrograph, factors that reprevious flood heights at	might affect high water	other points on mark, elevation of

Saugus River		L7 & L8
(Name of River, Bay or Harbor)	Miles from Mouth)	(Watermark No.)
	Lynn	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Saugus	Yacht Club paint ma	rk on entrance guardrai
and rear left corner of building.		
5 November 1991	Victor Hom and M	Tark Deschenes
(Date obtained)	(Obta	ained by)
Paul Sekenski, 95 Dearborne Avenue		•
(Name and address of person	pointing out high w	vatermark)
Scum Line	. 5	·
(If not pointed out, how obtained?)	(Date and hour	of high watermark)
(Elev. of high watermark) (Datum)	(Benchmark ref	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, ele hydrograph, factors that might previous flood heights at same	affect high waterm	
		<u> </u>

Lynn Harbor		L9
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Lynn	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: 68 I		
the water was about 1 foot above ye	llow curb to the right	of yacht club building.
PK nail on dock section to the right	t of crane.	
0.37 1 1001	Varon Schofield	and Mark Deschenes
2 November 1991		nined by)
(Date obtained)		
Bill Henry (Float Chairman at 68 Lyn (Name and address of per		·.
(Name and address of per	3011 pointing out 11-8.	
(12)	(Date and hour	of high watermark)
(If not pointed out, how obtained?)	(Date and nous	. or magni watermann,
	,	
(Elev. of high watermark) (Datu	m) (Benchmark rei	ferred to) (Datum)
(Elev. of high watermark)	 ,	
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)	·	
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
		.1
Remarks - (Failure of dams upstream, hydrograph, factors that more previous flood heights at	night affect high water	mark, elevation of
		· · · · · · · · · · · · · · · · · · ·

CORPS OF ENGINEERS, U.S. ARMY

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SUBJECT H.W MARK DUE TO OCT GI FLOOD

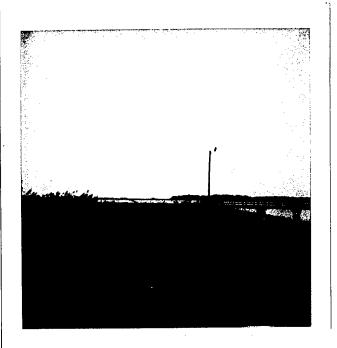
COMPUTATION SAUGUS PAVER LYNN

COMPUTED BY M DESCHENES & V. HOM CHECKED BY _

DATE .



Days Inn/Club Morgan



L2 Days Inn/Club Morgan



Ll Days Inn/Club Morgan



L2 Days Inn/Club Morgan

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SUBJECT H.W MARK	DUE TO	OCT 91 FLOOD	387 147 187
COMPUTATION SAUGUS	RIJER	L70N	



L3 & L4 Field under bridge @ Rte. 109

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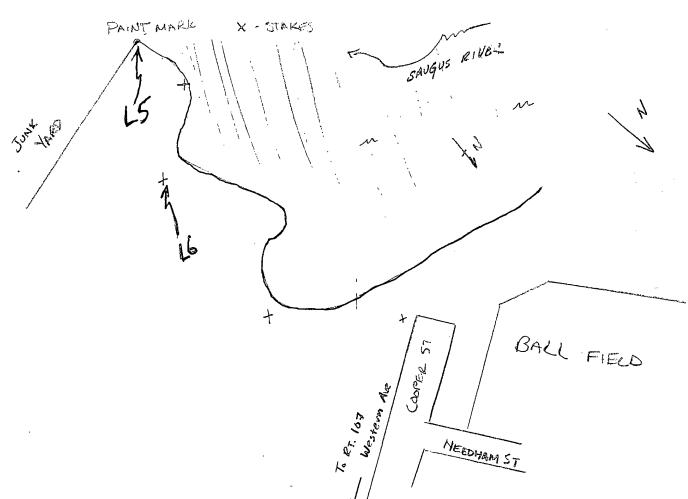
COMPUTATION SAUGUS COMPUTED BY MICKELENES & V. HOM CHECKED BY





L6 End of Cooper St.

L6 End of Cooper 5t.



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NEW ENGLAND DIVISION

CORPS OF ENGINEERS, U.S. ARMY

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SUBJECT H.W MARK DUE TO OCT 91 FLOOD

COMPUTATION SAUGIE RIVER LYAM

COMPUTED BY M. DESCHENES & V. HOM CHECKED BY

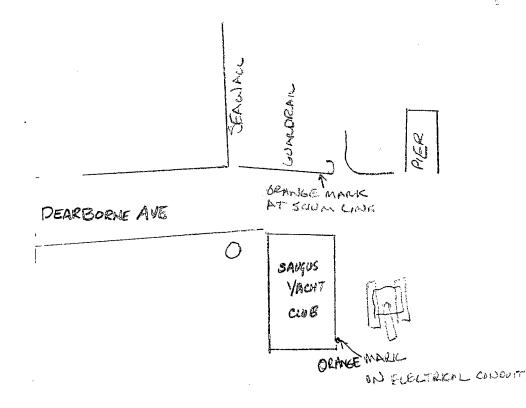
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L7 Saugus Yacht Club



L8 Saugus Yacht Club



NEW ENGLAND DIVISION

CORPS OF ENGINEERS, U.S. ARMY

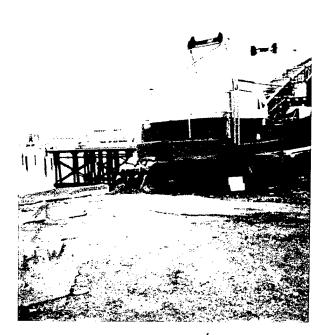
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SUBJECT H.W MARK DUE TO OCT 91 FLOOD

COMPUTATION LYNN FARE CONTENTS LYNN

COMPUTED BY MESCHENES & V. HOM CHECKED BY

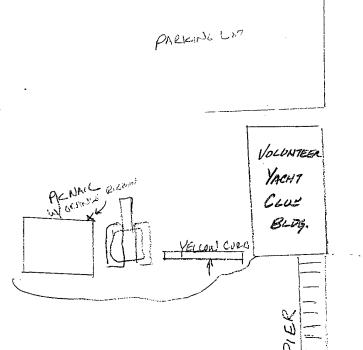
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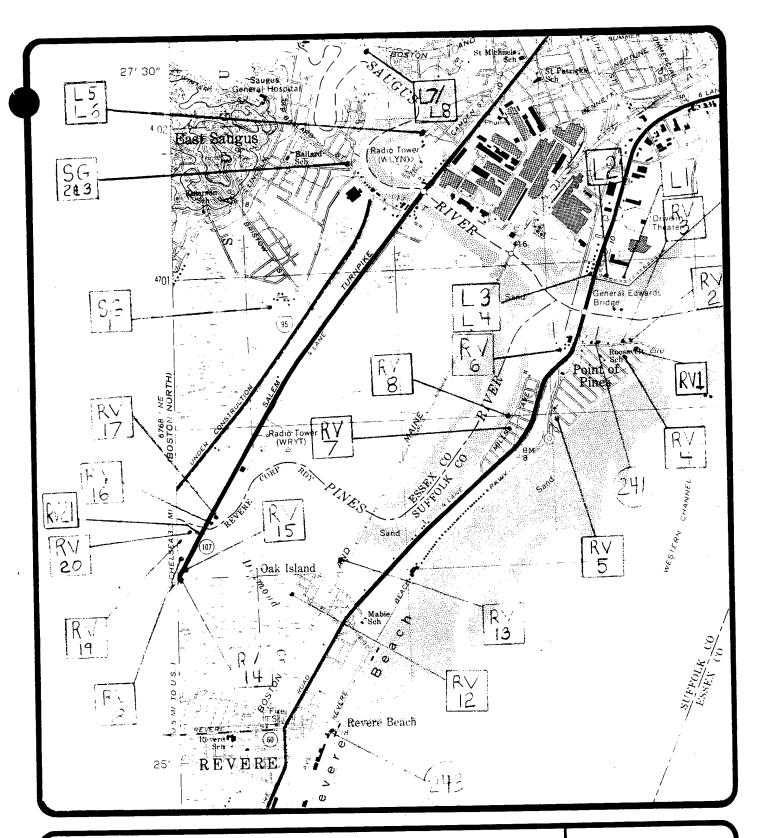


L9 Lynn Harbor Valunteer Yacht Club Bldg.



L9 Lynn Harbor Volunteer Yacht Club Blog.





High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Lynn, MA.

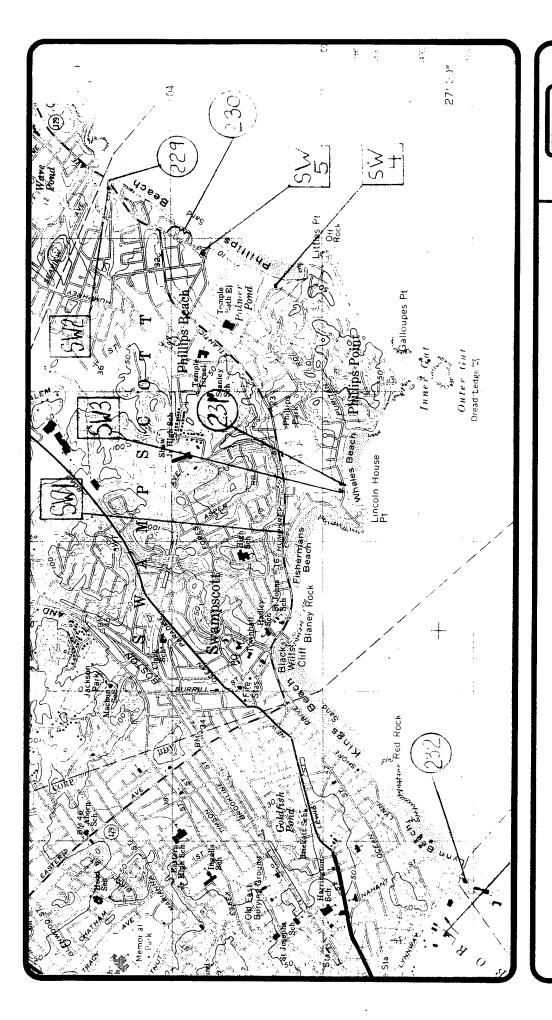
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New England Division



US Army Corps of Engineers



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Lynn, MA.



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US Army Corps
of Engineers
New England Division

APPENDIX
SAUGUS, MASSACHUSETTS

Pines River, Inland Estuary		SG1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Saugus	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: $\underline{}$	Nailed on garage door frame.	Highwater mark due
to tidal flow. Site is located a	at Allstar Fuel Company at e	end of Hewlett St.
	· · · · · · · · · · · · · · · · · · ·	
6 November 1991	Victor Hom and Man	rk Deschenes
(Date obtained)	(Obtai	ned by)
(Name and address of	person pointing out high wa	termark)
Debris Scum Line		
(If not pointed out, how obtained	ed?) (Date and hour	of high watermark)
(Elev. of high watermark) (I	Datum) (Benchmark refe	rred to) (Datum)
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)		
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstre	eam) (Latitude and lor	gitude of watermark)
Remarks - (Failure of dams upstr	eam, elevation and time of o	other points on
hydrograph, factors the previous flood heights	at might affect high waterma	irk, elevation of
previous risou mergines	at bame points, every	
	•	

Saugus River		SG2 and SG3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Saugus	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Highwater mark nailed on pi	les, two marks with
orange ribbonone on pier off o	f, and one on pile along Ha	rvard Avenue. Mark
checked with level and obvious s	cum line.	
5 November 1991	Victor Hom and Ma	rk Deschenes
(Date obtained)		ined by)
	person pointing out high wa	atermark)
Debris Line		
(If not pointed out, how obtaine	ed?) (Date and hour	of high watermark)
Good		
(Elev. of high watermark) (D	Datum) (Benchmark refe	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstre	eam) (Latitude and lor	ngitude of watermark)
Remarks - (Failure of dams upstre hydrograph, factors tha previous flood heights	at might affect high waterma	
		·
•		

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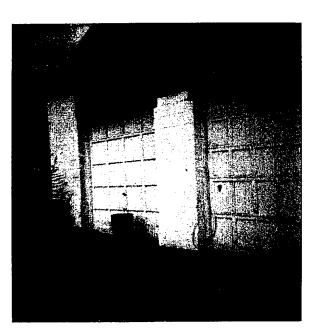
SUBJECT H.W MARK DUE TO OCT 91 FLOOD

COMPUTATION PINES RIVER

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COMPUTED BY MI DESCHENES & V. HOM CHECKED BY -

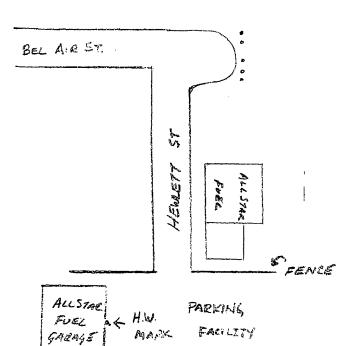
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S&1 Allstar Fuel-Hewlett St.

EM Co.

I.95 FILL EMBAHKMENT



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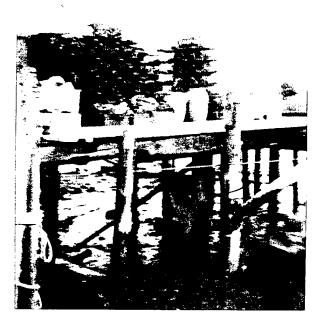
NEW ENGLAND DIVISION

CORPS OF ENGINEERS, U.S. ARMY

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SUBJECT H. W MARK DUE TO OCT 91 FLOOD

W.M. #3A-1 COMPUTATION SATARS RIVER LA CHECKED BY CHECKED BY

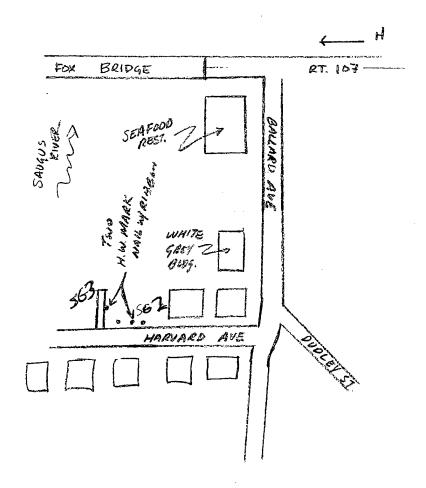


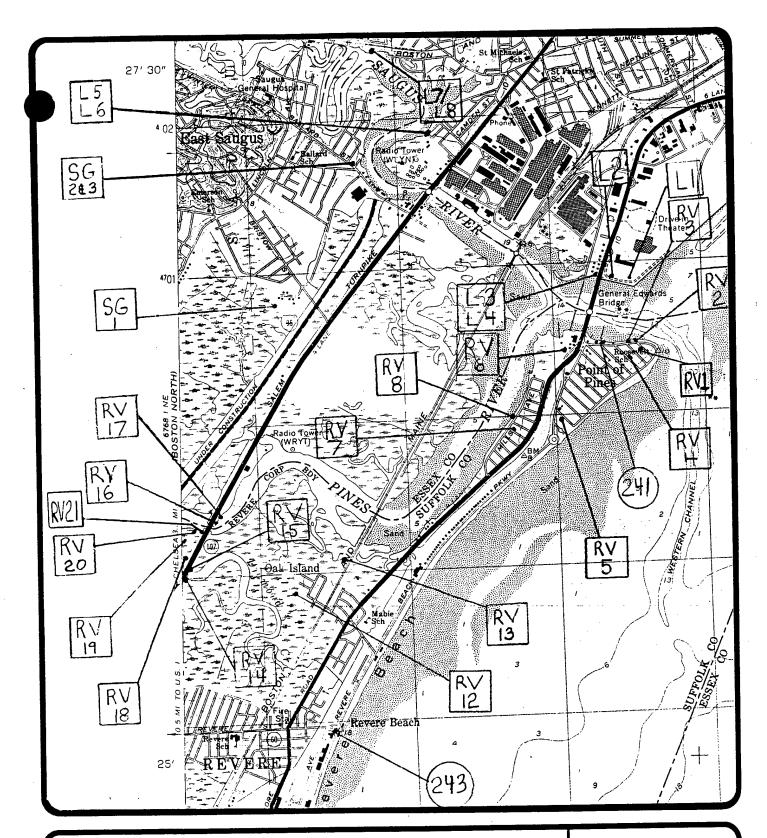
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SGZ \$ 563

Pier Piling @ Harvard Ave. Looking SE & Harvard Ave.





High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Lynn, MA.

- 1991

O - 1978

New England Division



US Army Corps of Engineers

APPENDIX
REVERE, MASSACHUSETTS

Atlantic Ocean		RV1
(Name of River, Bay or Harbor)	(Miles from Mouth) Revere (Point of Pines)	(Watermark No.) MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: 21	Wadsworth Avenue, definit	e scum line along back
of foundation. Orange paint mark o	on left rear corner of fou	ndation approx. 2' abov
driveway elevation.		
driveway elevation.		
2 November 1991	M. Deschenes and K	Caren Schofield
(Date obtained)	(Obtai	ned by)
Daniel Kinsella, 21 Wadsworth Avenu	ıe	
(Name and address of pe	rson pointing out high wa	termark)
•		
(If not pointed out, how obtained?) (Date and hour	of high watermark)
Good Mark		
(Elev. of high watermark) (Dat	(Benchmark refe	rred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	n) (Latitude and lon	gitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high waterma	ther points on or

Mouth of Saugus River		RV2 & RV3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
•	Revere (Point of Pines)	MA
(Tributary of)	(City or Town)	(State)
	oris line along backside o	f seawall on Rice Avenu
Description of high watermark:		
at Point of Pines. Stakes along de	ebris with paint lines alo	ng seawall starting
from Bateman Avenue to Wadsworth Av	venue.	
4 November 1991	Mark Deschenes and	Victor Hom
(Date obtained)	(Obtai	ned by)
(Name and address of the	erson pointing out high wa	A
·	erson pointing out high wa	cermark)
Noticed debris along wall		
(If not pointed out, how obtained?	(Date and hour	of high watermark)
(Elev. of high watermark) (Dat	:um) (Benchmark refe	rred to) (Datum)
(,, (,	(20110111111111111111111111111111111111	
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)	(0000 1 0000)	,
(Elevation determined by)	(Date)	(Order of levels)
•		•
(Nearest dam upstream or downstream	(Latitude and lon	gitude of watermark)
· · · · · · · · · · · · · · · · · · ·	, (<u></u>	5
Remarks - (Failure of dams upstream		
nydrograph, factors that previous flood heights at	might affect high waterma	rk, elevation of
previous recigires ac	same point; ecc.,	

Atlantic Ocean		RV4
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Revere (Point of Pines) MA
(Tributary of)	(City or Town)	(State)
escription of high watermark:	Fowler St, PK mail on st	
5th pole from right corner, approx	. 2' above ground elevati	on, definitive scum
line.		
2 November 1991	Mark Deschenes an	d Karen Schofield
(Date obtained)	(Obta	ined by)
Brian Redholz, 22 Fowler Street	,,,,,	• -
(Name and address of D	erson pointing out high w	atermark)
(name and address of p		
	2) (Data and hour	of high watermark)
(If not pointed out, how obtained	?) (Date and hour	of high watermark)
(If not pointed out, how obtained Good Mark	?) (Date and hour	of high watermark)
	?) (Date and hour	of high watermark)
Good Mark	· .	
Good Mark	?) (Date and hour	
(Elev. of high watermark) (Da	tum) (Benchmark ref	erred to) (Datum)
Good Mark	· .	
(Elev. of high watermark) (Da	tum) (Benchmark ref	erred to) (Datum)
(Elev. of high watermark) (Da (Elevation of high watermark above water surface)	(Date & Hour)	erred to) (Datum) (Class. of watermark)
(Elev. of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstrea	(Date & Hour) (Date) (Date)	erred to) (Datum) (Class. of watermark) (Order of levels) ngitude of watermark)
(Elev. of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstrea	(Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date)	erred to) (Datum) (Class. of watermark) (Order of levels) ngitude of watermark) other points on
(Elev. of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstrea hydrograph, factors that	(Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date)	erred to) (Datum) (Class. of watermark) (Order of levels) ngitude of watermark) other points on
(Elev. of high watermark) (Da (Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstrea hydrograph, factors that	(Date & Hour) (Date) (Date) (Date) (Date) (Date) (Date)	erred to) (Datum) (Class. of watermark) (Order of levels) ngitude of watermark) other points on

	RV5
(Miles from Mouth)	(Watermark No.)
Revere (Point of Pines) MA
(City or Town)	(State)
rrington Avenue, PK na	il in post of stockade
d the house 2nd pole f	rom the front corner
ove ground elevation.	
Mark Deschenes an	d Karen Schofield
(Obta	ined by)
	•
on pointing out high wa	atermark)
(Date and hour	of high watermark)
(Benchmark refe	erred to) (Datum)
(Date & Hour)	(Class. of watermark)
(Date)	(Order of levels)
(Latitude and lor	ngitude of watermark)
elevation and time of one of the state of th	other points on ark, elevation of
	Revere (Point of Pines (City or Town) rrington Avenue, PK na d the house 2nd pole f ove ground elevation. Mark Deschenes an (Obta on pointing out high w (Date and hour (Benchmark ref (Date & Hour) (Latitude and log elevation and time of elevation and elevation and elevation and time of elevation and elevation and elevation and elevation an

Pines River		RV6
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
•	Revere (Point of Pines)	MA
(Tributary of)	(City or Town)	(State)
T	nway Rt. 1A, Fowler Marin	e, PK nail at front
Description of high watermark.		
corner of fence in parking lot. Na	il on post next to small	right house.
2 November 1991	M. Deschenes and K	aren Schofield
(Date obtained)	(Obtai	ned by)
Bill, Fowler Marine		
(Name and address of per	rson pointing out high wa	termark)
(•	
(If not pointed out, how obtained?)	(Date and hour	of high watermark)
(If not pointed out, now obtained.		•
(Elev. of high watermark) (Dat	um) (Benchmark refe	erred to) (Datum)
(Elevation of high watermark	(Date & Hour)	(Class. of watermark
above water surface)	(3030 1 311 21)	•
(Elevation determined by)	(Date)	(Order of levels)
(azevatzak essatu aka 1,1	•	
(Nearest dam upstream or downstream	(Latitude and lor	ngitude of watermark)
(Wearest dam upstream of downstream	, (22121	
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high waterma	other points on ark, elevation of

Pines River		RV7
(Name of River, Bay or Harbor)	(Miles from Mouth	(Watermark No.)
	Revere	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	29 Gilbert Avenue, mark	on curbstone below
telephone pole 3816. Scum line	along curb. Owner says	water never topped
curbstone.		
2 November 1991	Mark Deschenes	and Karen Schofield
(Date obtained)	(0	Obtained by)
Rob Lauro, 29 Gilbert Avenue		
(Name and address of	person pointing out hig	h watermark)
(If not pointed out, how obtain	ed?) (Date and h	our of high watermark)
Good		•
(Elev. of high watermark)	Datum) (Benchmark	referred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstre	eam) (Latitude and	longitude of watermark)
Remarks - (Failure of dams upstre hydrograph, factors the previous flood heights	it might affect high wat	of other points on ermark, elevation of

Pines River		RV8
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
•	Revere	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Debris line along Mill Stre	eet and Saugus River.
6 November 1991	Vic Hom and Mark	Deschenes
(Date obtained)	(Obta	ined by)
Oebris Line (If not pointed out, how obtain	f person pointing out high we ned?) (Date and hour	of high watermark)
(Elev. of high watermark)	(Datum) (Benchmark ref	Terred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downst	ream) (Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upst hydrograph, factors t previous flood height	ream, elevation and time of hat might affect high waters at same point, etc.)	other points on mark, elevation of

Atlantic Ocean		RV9
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Revere (Roughans Pt.)	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Nail	indicating top of def	inite scum line at
176 Broadsound Avenue. Nail located	in center column at f	ront stairs.
4 November 1991	Victor Hom	
(Date obtained)	(Obta	ained by)
(Name and address of pers	_	
(If not pointed out, how obtained?) Good	(Date and hour	of high watermark)
(Elev. of high watermark) (Datum	a) (Benchmark ref	Eerred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ght affect high waterm	other points on mark, elevation of
		<u> </u>

Atlantic Ocean		RV10
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Revere (Roughans Pt.)	MA
(Tributary of)	(City or Town)	(State)
. 12	5 Broadsound Avenue, scum	line along side of
Description of high watermark:building. Ribbon was placed on th	e gutter pipe on the front	left corner of the
house.		
2 November 1991	Mark Deschenes and	Karen Schofield
(Date obtained)	(Obtai	ned by)
(Name and address of p	person pointing out high wa	termark)
(If not pointed out, how obtained	d?) (Date and hour	of high watermark)
Good Point		
(Elev. of high watermark) (Da	atum) (Benchmark refe	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstre	am) (Latitude and lor	ngitude of watermark)
Remarks - (Failure of dams upstre hydrograph, factors tha previous flood heights	t might affect high waterma	other points on ark, elevation of

Atlantic Ocean		RV11
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Revere (Roughans Pt.)	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: 86 1	Broadsound Avenue, orang	e paint mark on corner
of house foundation indicating top	scum line approx. 41" fr	om (street elevation)
driveway.		
2 November 1991	Mark Deschenes an	d Karen Schofield
(Date obtained)	(Obta	ined by)
Stephen Kramer, 86 Broadsound Avenue	e	
(Name and address of per	rson pointing out high w	atermark)
Good		
(If not pointed out, how obtained?)	(Date and hour	of high watermark)
(Elev. of high watermark) (Datu	m) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ngitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	night affect high waterm	
·		
		
		·

NEW ENGLAND DIVISION NED FORM 223 PAGE ___ CORPS OF ENGINEERS, U.S. ARMY 27 Sept 49 IGHWATER MARK DUE TO DET. 1991 SUBJECT ___ ROUGHANS POINT COMPUTATION _ COMPUTED BY VIETNE HAM ! MARY DECHENES CHECKED BY DATE -[⊭]86 ORANGE PAINTED H.W. Mark 1 91" FROM RALL DENEWAY BROAD SOUND AVE MDC STATION BROAD SOUND N (CONT.) AVE. #125 61/10 RIBBON W/MARK TIED TO GUTTER TRITUN AVE ON LEFT FRUNT OF

House

BROAD SOUND AUG # 176 QUA NAIL & TARE ON FRONT COLUMN

OCEAH VIEW AVE

	RV12
(Miles from Mouth)	(Watermark No.)
Revere	MA
(City or Town)	(State)
ebris line along salt mar	rsh. Stake driven at
se at corner of Bridge Str	eet and Flint Street.
Victor Hom and M	fark Deschenes
	ained by)
(0011	IIned by,
person pointing out high w	watermark)
	, M. W. M.
(Date and hour	r of high watermark)
	-
	
tum) (Benchmark ref	ferred to) (Datum)
(Date & Hour)	(Class. of watermark)
(Date)	(Order of levels)
m) (Latitude and lo	ongitude of watermark)
m, elevation and time of might affect high waterm t same point, etc.)	other points on ark, elevation of
	Revere (City or Town) bebris line along salt mare e at corner of Bridge Str Victor Hom and M (Obta erson pointing out high w erson pointing out high w (Date and hour (Date & Hour) (Date) m) (Latitude and lour m, elevation and time of might affect high waterm

Saugus River		RV13
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Revere	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	int mark on railroad fence.	Highwater mark
at top of paint line. Location acc	cessible at end of Woodland	Road.
7 November 1991	Victor Hom and Mark	Deschenes
(Date obtained)	(Obtaine	d by)
•	rson pointing out high wate	rmark)
Scum Line on fence	(Date and Laure of	hách matamatk)
(If not pointed out, how obtained?) Good) (Date and hour of	nigh Watermark)
		(2-1-)
(Elev. of high watermark) (Datu	um) (Benchmark referr	ed to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour) (C	lass. of watermark)
(Elevation determined by)	(Date) (Order of levels)
(Nearest dam upstream or downstream)	(Latitude and longi	tude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that more previous flood heights at	might affect high watermark	er points on , elevation of

Diamond Creek		RV14 & RV15
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
Pines River	Revere	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: _	Highwater line marked on b	ridge abutment facing
east. Debris line is a definiti	ve marker Rt. 107 Northbou	nd.
4 November 1991	Victor Hom and M	Mark Deschenes
(Date obtained)	(Obta	ained by)
(Name and address of Debris Line	person pointing out high	watermark)
(If not pointed out, how obtain	,	r of high watermark)
(Elev. of high watermark)	Datum) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstr	eam) (Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstr hydrograph, factors th previous flood heights	at might affect high water	

Pines River		RV16 & RV17	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
	Saugus/Revere Line	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark: Debr	ris line along estuary o	on east bank of Rt. 107	
Stakes along waterline. Rt. 107 Non	rthbound, south of Atlar	ntic Lobster Company.	
4 November 1991	Victor Hom, Mark	Victor Hom, Mark Deschenes	
(Date obtained)	(Obtained by)		
(Name and address of per Debris Lines (If not pointed out, how obtained?)		of high watermark)	
(Elev. of high watermark) (Date	um) (Benchmark ref	erred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstream)	(Latitude and longitude of watermark)		
Remarks - (Failure of dams upstream hydrograph, factors that a previous flood heights at	might affect high watern	other points on nark, elevation of	

	RV18, RV19, & RV20	
(Miles from Mouth)	(Watermark No.)	
Revere/Saugus		
(City or Town)	(State)	
nitive debris line alon	g grass and abutment	
C. Troll Lobster. Highw	ater line is formed	
ed guard rail and stake	s (see map).	
Victor Hom and Ma	rk Deschenes	
(Obta	(Obtained by)	
	of high watermark)	
um) (Benchmark rei	erred to) (battum)	
(Date & Hour)	(Class. of watermark)	
(Date)	(Order of levels)	
(Latitude and lo	(Latitude and longitude of watermark)	
, elevation and time of night affect high waterm same point, etc.)		
	Revere/Saugus (City or Town) nitive debris line alon . Troll Lobster. Highw ed guard rail and stake Victor Hom and Ma (Obta son pointing out high w (Date and hour (Date & Hour) (Date) (Latitude and lowelevation and time of hight affect high waterm	

27 Sept 49 SUBJECT H.W MARK	DUE TO	ORPS OF ENGINEERS, U.S. ARMY OCT GI FLODD	PAGE
COMPUTATION DIA	AMOND C	CREEK	
COMPUTED BY M. DESCHENES	a v. Hom	CHECKED BY	DATE
	To REVERE 1	A Section of the sect	
	DIAMWO CREEK BEIDGE	DIAMOND RVIB	
	£7.	Par Legitian	

SAUSUS LINE

et. 107

To SAUGUS

Pines River		RV21	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
	Saugus/Revere	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark: Defi	nitive high water mark,	debris line along	
stone rip rap, abutment, and grass a	long Rt. 107 South. St	akes and paint on	
guard rail.			
4 November 1991	Victor Hom and Ma	urk Deschenes	
(Date obtained)	Victor Hom and Mark Deschenes (Obtained by)		
(,	(
(Name and address of per Debris Line (If not pointed out, how obtained?)		of high watermark)	
(Elev. of high watermark) (Datu	m) (Benchmark ref	erred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstream)	(Latitude and lo	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	ight affect high waterm		
	-		

:

SZNIZ EN

RIVER

THE BOUND

SAUGUS

RV21 Sunt Suro

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NEW ENGLAND DIVISION

CORPS OF ENGINEERS, U.S. ARMY

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SUBJECT	HIGHWATER.	MARKS	DUE TO	907.91	_5TOEM_
	_	/ 			

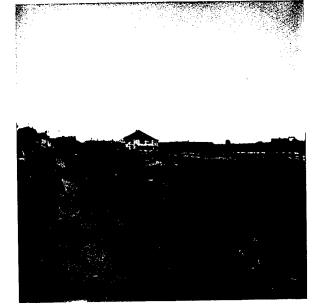
COMPUTATION REVERSE (POINT OF PINES)

COMPUTED BY VICTOR HOM & AL DESCHENE SCHECKED BY

DATE _



RVZ Revere/Pt. of Pines Rice Ave.



RV3 Revere/Pt of Pines Rice Ave.

BATE MANY TIME

STAKE

STAKE

WADSWATH

WADSWATH

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27 Sept 49

CORPS OF ENGINEERS, U.S. ARMY

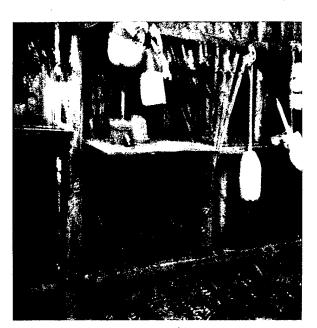
SUBJECT HIGHWATER MARKS DUE TO OCT 91 FLOOD

COMPUTATION REVERE (POINT OF PINES)

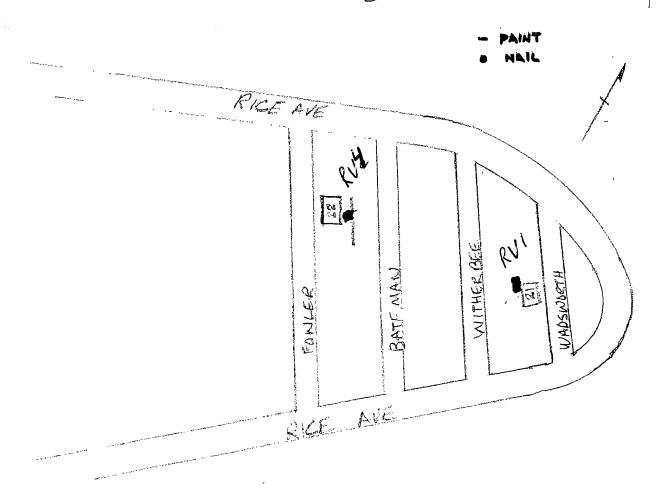
COMPUTED BY V. HOM & M. DESCHENES CHECKED BY _



RVI 21 Wadsworth Ave.



Revere/H. of Pines RV4 Revere/H. of Pines 22 Fowler St.



NED	FORM	223
		_

NEW ENGLAND DIVISION

27 Sept 49 CORPS OF ENGINEERS, U.S. ARMY

PAGE ____

SUBJECT HIGHWATER WARKS DUE TO OCT 91 FLOOD COMPUTATION REVERE (FOINT OF PINES)

COMPUTED BY V. HOM & M. DESCHERES CHECKED BY

DATE -



RV5 Revere /Pt of Pines

21 Harrington Ave.

. NAIL



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27	S	Sept	49	9

NEW ENGLAND DIVISION

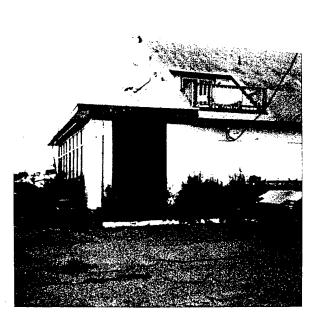
27 Sept 49				NEERS;			
SUBJECT HIGH .	WATER	<u>EDEVEY</u>	7.7.6.7.	CX-T	<u></u>	1 1	<u>510015</u>

COMPUTED BY M. DESCHELLES & V. HOM CHECKED BY

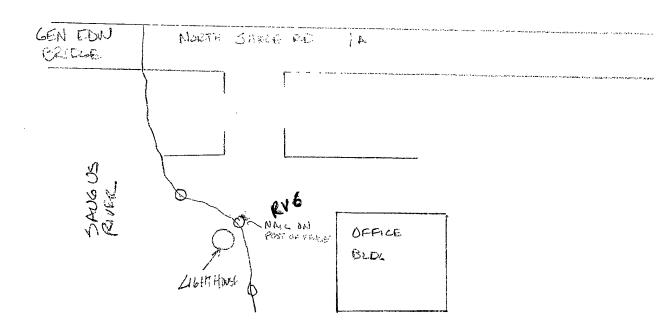
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RV6 Revere Off southbound 1A



Revere RV6 Nr. General Edwards Bridge



NED FORM 223 27 Sept 49

NEW ENGLAND DIVISION

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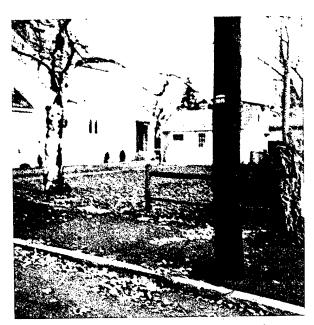
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SUBJECT H.W MARK DUE TO OCT GI FLOOD

COMPUTATION PINES RIVER REVERE

COMPUTED BY M. DESCHENES & V. HOM CHECKED BY .

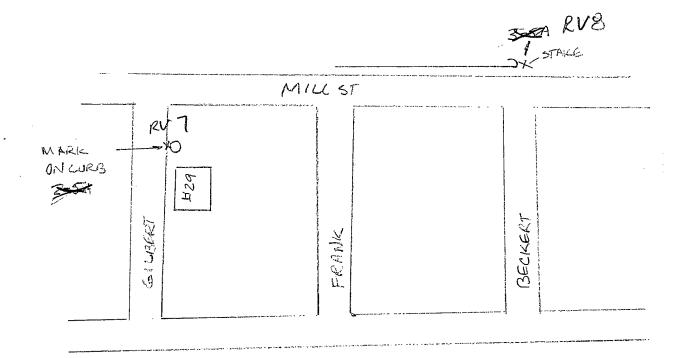
DATE



RV7 Revere, Ma. 28 Gilbert Ave.



RV8 Revere, Ma. Across from 157 Mill St.



NE)	FOF	M	223
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NEW ENGLAND DIVISION

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. HIGHWATER MARY DUE TO

REVIRE (ROUGHTAIS PT.)

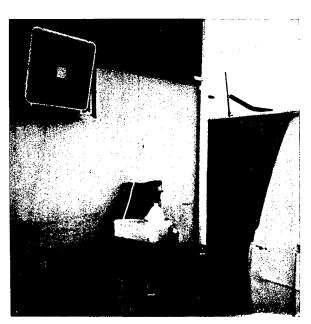
COMPUTED BY VIETUR HOM & MARK DISCHAN CHECKED BY _



RV9



Revere / Roughan's Pt. RV10 Revere / Roughan's Pt. 176 Broad Sound Ave. 125 Broadsound Ave.



RVII Levere/Roughan's Pt. 86 Broad Sound Ave.

SUBJECT HIGH WARTER PITELL

CORPS OF ENGINEERS, U.S. ARMI

COMPUTATION KEVERE

COMPUTED BY

CHECKED BY

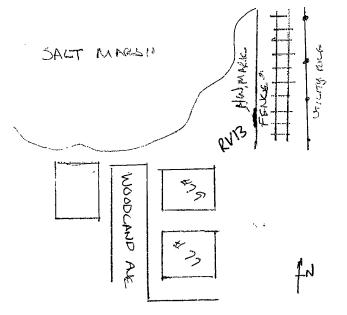
DATE -



RV13

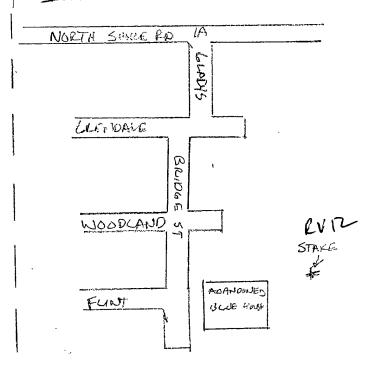
Revere, Ma.

MBTA Fence





RV12 Revere, Ma. Intersection Flint & Bridge Sts.



CORPS OF ENGINEERS, U.S. ARMY

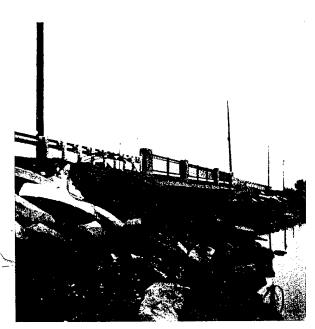
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SUBJECT H. W MARK DUE TO OCT GI FLOOD

COMPUTATION DISCUSSION FOR (RT. 107 NORTHENDAND)

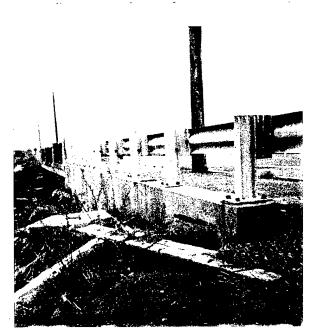
COMPUTED BY MI DESCHENES & J. HOM CHECKED BY

DATE -

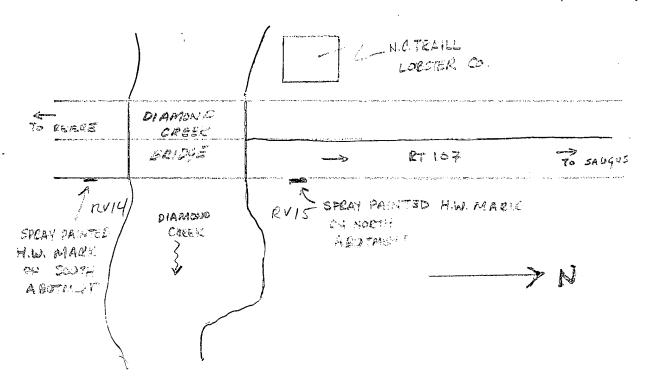


RV14 Revere, Ma.

Diamond Creek (facing east)



RV15 Revere, Ma.
Diamond Creek, Nortabutment



NEW ENGLAND DIVISION

CORPS OF ENGINEERS, U.S. ARMY

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- LLO 1	CCT	H.W	MARK	DUE.	-17)	OCT	91	FLOOD

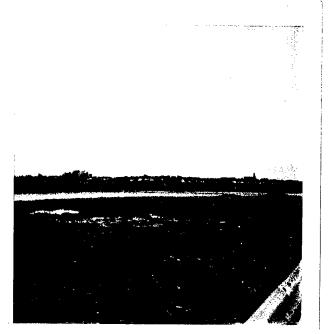
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COMPUTED BY M DESCHENES & V. HOM CHECKED BY

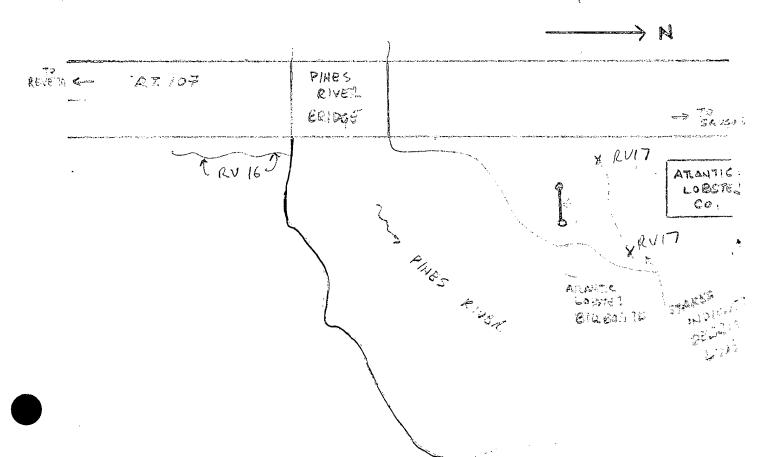
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RV16 Revere, Ma. Pines River/Rte. 107



RV17 Revere, Ma. Pines River/Rte. 107



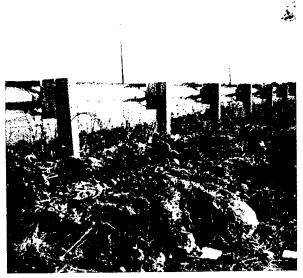
PAGE _____

SUBJECT H.W MARK DUE TO OCT GI FLOOD

COMPUTATION _

COMPUTED BY MI CESCHENES & V. HOM CHECKED BY

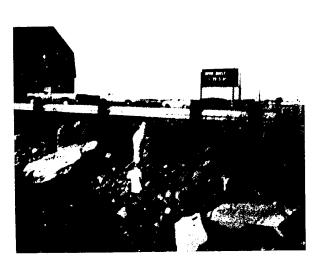
ATE -



Revere, Ma. South of M.C. Traill Lobster Company



RV18 Revere, Ma. 5. abutment over Diamond Ck.



RV19 Revere, Ma. South of M.C. Traill



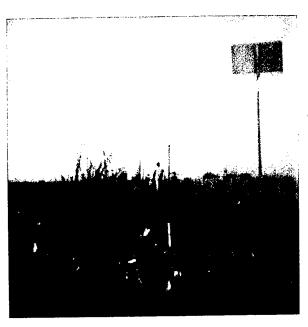
RV20 Revere, Ma.
North of M.C. Traill

SUBJECT H.W MARK DUE TO OCT 91 FLOOD

COMPUTATION _

COMPUTED BY MICKSCHENES & V. HOM CHECKED BY

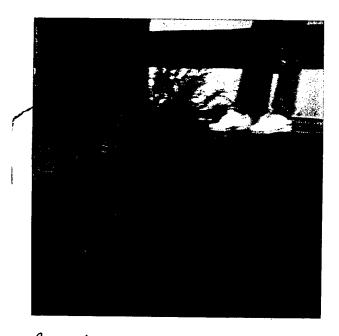
ATE -



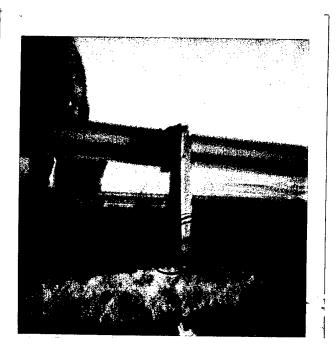
Stake South of Pines River bridge abotment



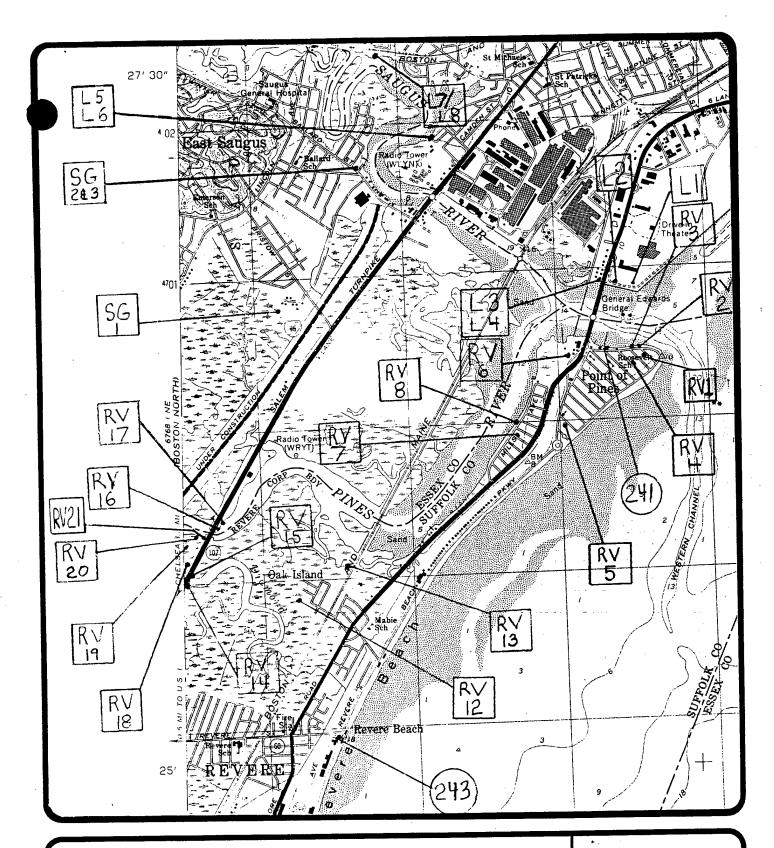
Humark btun. McTraills and Pines River



RV21 Scabutment @ Pines River Bridge



150' North of Pines River bridge abutment.



High Water Mark Location Map Halloween Storm, October, 1991

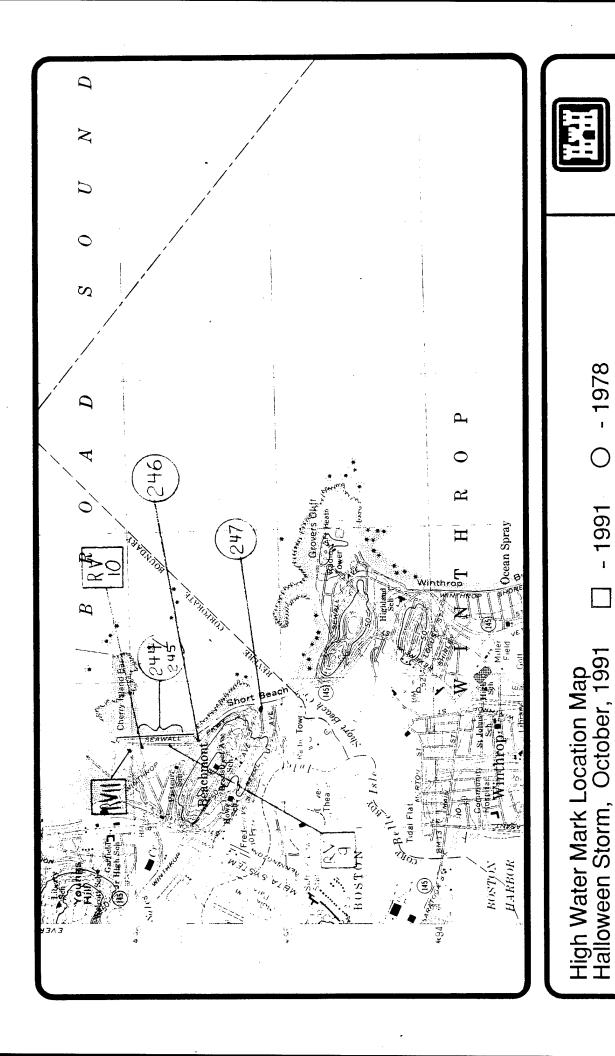
USGS 7.5 Minute Quadrangle - Lynn, MA.

- 1991

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New England Division

US Army Corps of Engineers



of Engineers New England Division **US Army Corps**

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USGS 7.5 Minute Quadrangle - Lynn, MA.

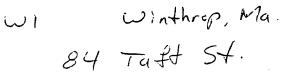
APPENDIX
WINTHROP, MASSACHUSETTS

Atlantic Ocean			Wl
(Name of River, Bay or Harbor)	(M:	les from Mouth)	(Watermark No.)
fivancing wivers bay or marrow,		hrop	MA
(Tributary of)		City or Town)	(State)
·	Nail on a	telephone pole w	rith orange ribbon,
escription of high watermark: 84 Taft Street opposite Townser	nd Avenue.	Pointed out by a	fireman speculating
			approximately 3 feet
above street level.			
4 November 1991			and Karen Schofield
(Date obtained)		(Obt	ained by)
Bob Donohue, 26 Townsend Stree	t		
(Name and address o	f person p	ointing out high	watermark)
Medium (If not pointed out, how obtain	ned?)	(Date and hou	r of high watermark)
(II not pointed out; now or the	•		
		(Benchmark re	ferred to) (Datum)
(Elev. of high watermark)	(Datum)	(Benchmark re	rigited to, (Editor)
(Elevation of high watermark	ζ.	(Date & Hour)	(Class. of watermark
above water surface)			
(Elevation determined by)		(Date)	(Order of levels)
·			
(Nearest dam upstream or downs	tream)	(Latitude and)	longitude of watermark
(Nearest dam upstream of downs	(•	
Remarks - (Failure of dams ups	tream, ele	vation and time of	f other points on
hydrograph, factors	that might	affect uigh water	rmark, elevation of
previous flood heigh	ts at same	point, etc.)	
			<u> </u>

Atlantic Ocean		W2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
(Name of River, bay of nation)	Winthrop	MA
(Tributary of)	(City or Town)	(State)
	49 Townsend Street. Car in	driveway with debris
Description of high watermark: _		
on windshield indicating height	of debris during high water	. Debris also evident
on top of bushes. Highwater ma	rk at top of stone masonry i	fence (east front corner
4 November 1991	Victor Hom and Ma	ark Deschenes
(Date obtained)	(Obta	ined by)
(bate obtainer)		
(Name and address of	person pointing out high w	atermark)
Noticed by Victor Howe		
(If not pointed out, how obtain	ed?) (Date and hour	of high watermark)
Medium		
Medium		
(Elev. of high watermark) (Datum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam unstream or downstr	ream) (Latitude and lo	ongitude of watermark)
(Hearest dam apstream of daminet	,	
Remarks - (Failure of dams upstr		
(Nearest dam upstream or downstr	ream) (Latitude and lo	ongitude of watermark)

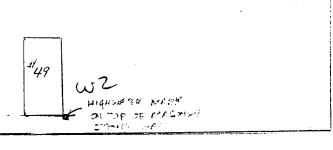
HARMER MARKS DUE TO . OCT. 91 STORM. WILLIAM STORM







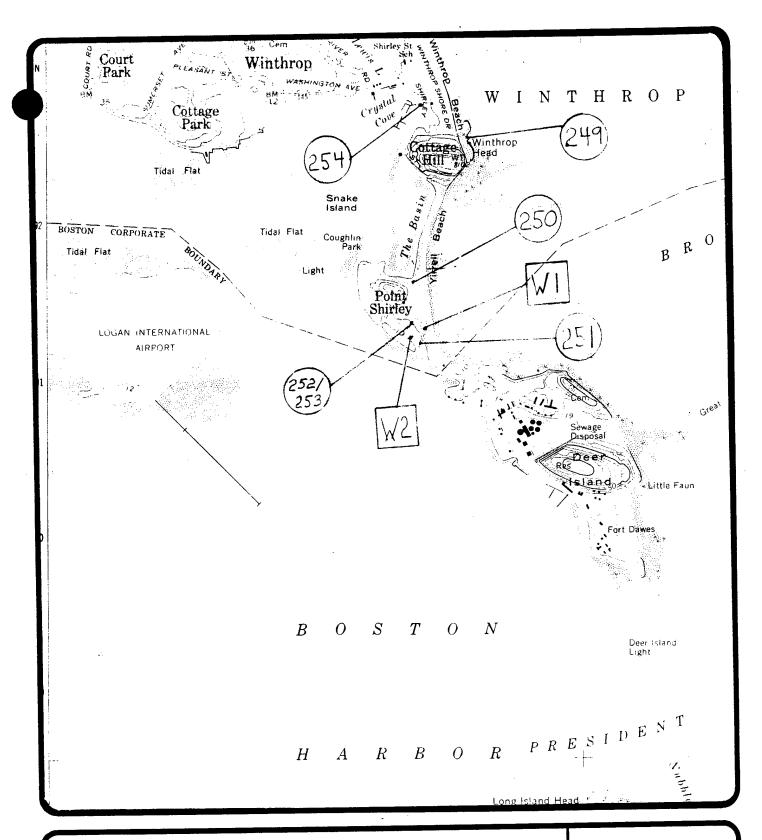
W2 Winthrop, Ma. 49 Townsend St.



TOWNSEALD AVE.

NAIL
O SEE DESCRIPTION

WI Pole W/ nailed on may a



High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Hull, MA.

- 1991

O - 1978

New England Division



US Army Corps of Engineers

APPENDIX

HULL TO SANDWICH, MASSACHUSETTS

		н1
Atlantic Ocean (Nantasket Beach) (Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Hull (City or Town)	MA (State)
(Tributary of)		\
Description of high watermark: Nantas	sket Avenue House #1143	3, 3rd shingle up from
top of front porch floor.		
11/2/91	Robert Russo and	d Duban Montoya
(Date obtained)	(Obta	ained by)
(Name and address of pers	son pointing out high t	watermark)
Visual	(Date and hour	r of high watermark)
(If not pointed out, how obtained?)	(Date and nou.	of high watermark,
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)
The second of blob materials	(Date & Hour)	(Class. of watermark)
(Elevation of high watermark above water surface)	(See Carrier)	•
	(Date)	(Order of levels)
(Elevation determined by)	(Date)	
(Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that m	light allect high water	mark, elevation of
previous flood heights at	same point, etc.)	

New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Atlantic Ocean		Н2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Hull	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	166/ _{1 utility pole, Pt}	. Allerton Avenue.
11/2/91		so and Duban Montoya
(Date obtained)	(Obt	ained by)
(Name and address of pers	son pointing out high	watermark)
Visual (If not pointed out, how obtained?)	(Data and how	r of high watermark)
(Elev. of high watermark) (Datus	m) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	ight affect high water	

Atlantic Ocean		Н3		
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)		
	Hull	MA		
(Tributary of)	(City or Town)	(State)		
Description of high watermark: 2nd	shingle up from concre	te porch, #337		
Beach Avenue at U Street				
11/2/91	Robert Russo ar	nd Duban Montoya		
(Date obtained)	(Obt	ained by)		
(Name and address of per	son pointing out high	watermark)		
Visual				
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)		
(Elev. of high watermark) (Date	m) (Benchmark re	ferred to) (Datum)		
	(Dece (Nove)	(Class. of watermark)		
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)		
(Elevation determined by)	(Date)	(Order of levels)		
(Lievation determines by)	\			
(Nearest dam upstream or downstream)	(Latitude and 1	(Latitude and longitude of watermark)		
		•		
Remarks - (Failure of dams upstream, hydrograph, factors that m	, elevation and time of might affect high water	other points on mark, elevation of		
previous flood heights at	same point, etc.)			
·				
		,		

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Atlantic Ocean		H4
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Hull	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Utilia	ty pole #4 -Warren S	treet
11/2/91	Robert Russo	and Duban Montoya
(Date obtained)	(Ob)	tained by)
(If not pointed out, how obtained?) (Elev. of high watermark) (Datum)	(Date and how	eferred to) (Datum)
above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
emarks - (Failure of dams upstream, e	levation and time of	other points on
hydrograph, factors that mig previous flood heights at sa	nt affect high water me point, etc.)	mark, elevation of
hydrograph, factors that mig	me point, etc.)	mark, elevation of

Atlantic Ocean		н5
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Hull	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Ut	ility pole $\#^{90}/I$,5th St	reet
11/2/91		and Duban Montoya
(Date obtained)	(Obt	ained by)
(Name and address of pe	erson pointing out high	watermark)
Visual		() () () () () ()
(If not pointed out, how obtained?	(Date and hou	r of high watermark)
(Elev. of high watermark) (Dat	um) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
•		•
(Nearest dam upstream or downstream	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high water	other points on mark, elevation of

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Mass. Bay		C1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Cohasset	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: corn	er of Forest Avenue Ex	t. and Jerusalem Road.
Black Rock Beach.		
11/2/91	Robert Russo a	and Duban Montoya
(Date obtained)	(Obt	ained by)
(Name and address of pers	son pointing out high	watermark)
Visual (If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datum	n) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi		•
previous 1100d neights at a		
. previous ilood neights at a		

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Mass. Bay		C2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Cohasset	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Ut	tility pole 7-90/SPP/38	A/3-40 corner of
Nicholas Road and Atlantic Avenue.	Near Sandy Beach.	
11/2/91		ınd Duban Montoya
(Date obtained)	(Obt	ained by)
(Name and address of pe	erson pointing out high	watermark)
(If not pointed out, how obtained?		r of high watermark)
(Elev. of high watermark) (Dat	um) (Benchmark re	refred to; (Dalum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	(Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high water	other points on mark, elevation of
· · · · · · · · · · · · · · · · · · ·		

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Cohasset Harbor		<u>C3</u>
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Cohasset	MA
(Tributary of)	(City or Town)	(State)
escription of high watermark: Utili	ty pole #4	
	alarm #232	
Stock	bridge Street/Margin	Street
Near the Yacht Club.		
11/3/91		nd Duban Montoya
(Date obtained)	(Obta	ained by)
(Name and address of pers	on pointing out high t	watermark)
Visual		
(If not pointed out, how obtained?)	(Date and hour	r of high watermark)
(Elev. of high watermark) (Datum	(Benchmark re	ferred to) (Datum
(Elevation of high watermark	(Date & Hour)	(Class. of watermar
above water surface)		
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark
Remarks - (Failure of dams upstream, hydrograph, factors that mi	elevation and time of other affect high water	mark, elevation of
nydrograph, factors that magic previous flood heights at a	same point, etc.)	
	•	
		•

DEPARTMENT OF THE ARMI

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Atlantic Ocean		S1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Scituate	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Ut:	ility pole #3-Bailys Ca	useway/near
Glades Road.		
	Scituate Neck	
_11/2/91		Russo and Duban Montoya
(Date obtained)	(OBE	ained by)
(Name and address of per	rson pointing out high	watermark)
Visual (If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(II not pointed out, now obtained.)	(2200 2	,
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that more previous flood heights at	night affect high water	other points on mark, elevation of

TENN THE SO THEIR WALL

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Atlantic Ocean		S2
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Scituate	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Sur	f Side Road utility p	pole #19
North Scituate Beach		
11/2/91	Robert Russo	and Duban Montoya
(Date obtained)	(0b)	tained by)
(Name and address of pers	on pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and how	ur of high watermark)
		-
(Elev. of high watermark) (Datum) (Benchmark re	eferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
emarks - (Failure of dams upstream, a hydrograph, factors that mig previous flood heights at sa	ght affect high water	other points on mark, elevation of

Mass. Bay				S 3	
(Name of River, Bay or Harbor)		(Miles from Mouth)		(Watern	mark No.)
		Scituate		ì	1A
(Tributary of)		(City or Town)		(Sta	
Description of high watermark:	Egypt	Beach Road utility	pole	#81 15 near	r
Egypt Beach.					
		Robert Russo and	l Dub	an Monto	ya
11/2/91			ained		,
(Date obtained)		(05)	ainec	l by)	
(Name and address of Visual (If not pointed out, how obtain (Elev. of high watermark)		(Date and hou	r of	high was	(Datum)
(Elevation of high watermark above water surface)		(Date & Hour)	(C)	ass. of	watermark)
(Elevation determined by)		(Date)	. (0	order of	levels)
(Nearest dam upstream or downstr	eam)	(Latitude and l	ongit	ude of v	watermark)
Remarks - (Failure of dams upstr hydrograph, factors th previous flood heights	at migh	nt affect high water	othermark,	er point:	s on ion of
		 			

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Waltham, Massachusetts 02154

Scituate Harbor		\$4
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Scituate	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Utility	pole #A3 next to Se	cituate Harbormaster Bld
11/2/91	Robert Russo	and Duban Montoya
(Date obtained)	(Obt	ained by)
(Name and address of person Visual (If not pointed out, how obtained?)		watermark) r of high watermark)
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)		ongitude of watermark)
Remarks - (Failure of dams upstream, el hydrograph, factors that migh previous flood heights at sam	it affect high water	other points on mark, elevation of
• • •		

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pointing out high w	sso and Duban Montoya		
(City or Town) pole #18 ouse Park oint) near light ho Robert Ru (Obta	(State) use sso and Duban Montoya		
pole #18 ouse Park oint) near light ho Robert Ru (Obta	use sso and Duban Montoya ined by)		
nouse Park point) near light ho Robert Ru (Obta	sso and Duban Montoya		
Robert Ru (Obta	sso and Duban Montoya		
Robert Ru (Obta	sso and Duban Montoya		
(Obta	ined by)		
pointing out high w			
	vatermark)		
(Benchmark ref			
(Date & Hour)	(Class. of watermark)		
(Date)	(Order of levels)		
(Latitude and longitude of watermark)			
vation and time of affect high waterm point, etc.)			
	(Benchmark ref (Date & Hour) (Date) (Latitude and lovation and time of affect high waterm		

Atlantic Ocean			•	S6		
(Name of River, Bay or Harbor)		Miles	from Mouth)	(Watermark No.)		
•		Scitu	ate	MA		
(Tributary of)		(City	or Town)	(State)		
escription of high watermark:	Utility	Pole	#6, Town Way	near Dickens Row,		
Peggotty Beach						
11/2/91			Robert Russo	and Duban Montoya		
(Date obtained)				ained by)		
(Name and address o	of person	point	ing out high t	watermark)		
Visual				of high metormork)		
(If not pointed out, how obtain	ined?)		(Date and hou	r of high watermark)		
(Elev. of high watermark)	(Datum)	***************************************	(Benchmark re	ferred to) (Datum)		
(Elevation of high watermark above water surface)	k	(1	ate & Hour)	(Class. of watermark		
(Elevation determined by)			(Date)	(Order of levels)		
(Elevation determined by)			•			
(Nearest dam upstream or downs	tream)	(1	(Latitude and longitude of watermark)			
Remarks - (Failure of dams ups hydrograph, factors previous flood heigh	that migh	t alle	ct high water	other points on mark, elevation of		

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Atlantic Ocean		S7					
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)					
	Scituate	MA					
(Tributary of)	(City or Town)	(State)					
Description of high watermark: Uti		rsection of Central					
Avenue and Cliff Road. Near 4th Cl	111						
11/2/91	Robert Russo	Robert Russo and Duban Montoya					
(Date obtained)	(Obt	ained by)					
(Name and address of per	son pointing out high	watermark)					
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)					
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)					
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)					
(Elevation determined by)	(Date)	(Order of levels)					
(Nearest dam upstream or downstream)	(Latitude and 1	(Latitude and longitude of watermark)					
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	ight affect high water						

Atlantic Ocean						S8		
(Name of River, Bay or Harbor)		Miles	from Mo	outh)	(W	aterma	k No.)	
		Scit	uate			MA		
(Tributary of)		(City	or Town	n)	-	(State	≥)	
Description of high watermark: _	Utility	Pole	#259/4	at 21	Oldmouth Road, Scituate			
11/2/91		Ro	Robert Russo and Duban Montoya				а	
(Date obtained)		(Obtained by)						
(Name and address of Visual	person	point	ing out	high	watermar	k)		
(If not pointed out, how obtained	ed?)		(Date a	nd hou	or of hig	h wate	rmark)	
(Elev. of high watermark)	Datum)		(Benchmark referred to) (Datum				(Datum)	
(Elevation of high watermark above water surface)		(1	ate & H	our)	(Class	of w	atermark)	
(Elevation determined by)			(Date)		(Orde	r of 1	evels)	
(Nearest dam upstream or downstr	eam)	(1	(Latitude and longitude of watermark)					
Remarks - (Failure of dams upstr hydrograph, factors th previous flood heights	at might	: affe	ct high	wate:	f other prmark, el	ooints evatio	on n of	

Atlantic Ocean		M1
(Name of River, Bay or Harbor)	(Miles from Mouth) Marshfield	(Watermark No.) MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Utility pole 2/100/CP - near	concrete tower at
21 South Street near Brant Rock.		
11/2/91	Robert Russo and	Duban Montoya
(Date obtained)	(Obtain	ed by)
(Name and address of p Visual (If not pointed out, how obtained	person pointing out high wate	ermark)
(Elev. of high watermark) (Da	d?) (Date and hour of	
(Elevation of high watermark above water surface)		lass. of watermark)
(Elevation determined by)	(Date) (Order of levels)
Nearest dam upstream or downstrea	am) (Latitude and longi	tude of watermark)
emarks - (Failure of dams upstrea hydrograph, factors that previous flood heights a	: might affect high watermark	er points on , elevation of

		M2
tlantic Ocean	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)	•	MA
	Rexhame (City or Town)	(State)
(Tributary of)		
	Utility Pole #58/I Abb	ey Street
scription of high watermark:	Pools	
off of Winslow Road near Beadles R	COCKS	
11/2/91	Robert Russo	and Duban Montoya
	(Obt	ained by)
(Date obtained)		•
	·	······································
(Name and address of p	erson pointing out high	Agtermory
·		- nls
(If not pointed out, how obtained	(Date and hou	or of high watermark)
(Elev. of high watermark) (Date of high watermark)	atum) (Benchmark r	eferred to) (Datum)
		f waterman
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermar)
		(Order of levels)
(Elevation determined by)	(Date)	(Older of days
(Nearest dam upstream or downstre	(Latitude and	longitude of watermark
Remarks - (Failure of dams upstromy hydrograph, factors the previous flood heights		of other points on ermark, elevation of
		- · .

Atlantic		м3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Fieldston	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Utili	ity pole $\#^{256}/4$ at the	end of Hartford Road.
Unsure of high water mark - best gue	ess.	
3 November 1991	Robert Russo	and Duban Montoya
(Date obtained)	(Obt	ained by)
(Name and address of personal Visual (If not pointed out, how obtained?) (Elev. of high watermark) (Datum	(Date and hou	r of high watermark)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ight affect high water	other points on mark, elevation of

Green Harbor Atlantic Ocean		M4
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Marshfield	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Half	way between utility	poles $\#^{25}/15$ and $\#^{25}/16$
at the end of Beach Street		
3 November 1991	Robert Russo	and Duban Montoya
(Date obtained)	(Obt	tained by)
(Name and address of pers	on pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	or of high watermark)
(Elev. of high watermark) (Datum) (Benchmark re	eferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream, e hydrograph, factors that mig previous flood heights at sa	ght affect high water	other points on mark, elevation of

Atlantic Ocean		D1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Duxbury	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Util	lity pole #18 next to 1	42 Gurnet Road
		·
3 November 1991	Robert Russo an	d Duban Montoya
(Date obtained)	(Obt.	ained by)
(Name and address of per	son pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	ight affect high water	

tlantic Ocean		D2
	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)	Duxbury	MA
(F-thusanu of)	(City or Town)	(State)
(Tributary of)	tility Pole #41 across fr	om conscession
escription of high watermark:		
stand (Bldg) Gurnet Road (Duxbury	Beach)	
3 November 1991		nd Duban Montoya
(Date obtained)	(Obta	ined by)
(Name and address of p	erson pointing out high w	atermark)
Visual		
(If not pointed out, how obtained	?) (Date and hour	of high watermark)
(Elev. of high watermark) (Da	tum) (Benchmark ref	erred to) (Datum)
(2201) 02 11-2		
(Elevation of high watermark above water surface)	(Date & Hour)	
(Elevation of high watermark above water surface)		
(Elevation of high watermark	(Date & Hour)	(Class. of watermark
(Elevation of high watermark above water surface) (Elevation determined by)	(Date)	(Class. of watermark (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream	(Date) am) (Latitude and 1	(Class. of watermark (Order of levels) ongitude of watermark)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream	(Date) am) (Latitude and Lam, elevation and time of the might affect high water	(Class. of watermark (Order of levels) ongitude of watermark) other points on
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream above water surface)	(Date) am) (Latitude and Lam, elevation and time of the might affect high water	(Class. of watermark (Order of levels) ongitude of watermark) other points on
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream above water surface)	(Date) am) (Latitude and Lam, elevation and time of the might affect high water	(Class. of watermark (Order of levels) ongitude of watermark)

Duxbury Bay			. дз
(Name of River, Bay or Harbor)		(Miles from Mouth)	(Watermark No.)
•		Duxbury	MA
(Tributary of)		(City or Town)	(State)
Description of high watermark:	Bolt	on support beam of Po	wder Point Bridge at
Powder Pointsouth side			
3 November 1991		Robert Ru	isso and Duban Montoya
(Date obtained)		(Obt	ained by)
Visual (If not pointed out, how obtain			r of high watermark)
(Elevation of high watermark above water surface)		(Date & Hour)	(Class. of watermark
BOOTC Sacci Garren	•		
(Elevation determined by)		(Date)	(Order of levels)
	ream)	·	
(Elevation determined by)	ream, hat mi	(Latitude and lelevation and time of ght affect high water	ongitude of watermark) other points on
(Elevation determined by) (Nearest dam upstream or downst Remarks - (Failure of dams upst hydrograph, factors t	ream, hat mi	(Latitude and lelevation and time of ght affect high water	ongitude of watermark) other points on

Duxbury Bay		D4
(Name of River, Bay or Harbor)	Miles from Mouth)	(Watermark No.)
	Duxbury	MA
(Tributary of)	(City or Town)	(State)
escription of high watermark: Duxbury	Boat Launch Ramp at	end of Ship Yard Lane
last post along boat ramp.		
11/4/91		nd Duban Montoya
(Date obtained)	(Obta	ined by)
(Name and address of person	pointing out high w	atermark)
(Name and address of person	pointing out magnet	
(If not pointed out, how obtained?)	(Date and hour	of high watermark)
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark
	levation and time of ht affect high water me point, etc.)	other points on mark, elevation of

Duxbury Bay/Kingston Bay-Goose Point		D 5
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Duxbury	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Utili	ty pole #9 next to ho	ouse at the end of Goose
Pond Lane.		
11/4/91	Robert Ro	ısso and Duban Montoya
(Date obtained)	(Ob:	ained by)
(Name and address of personal Visual (If not pointed out, how obtained?)		watermark) or of high watermark)
(Elev. of high watermark) (Datum)	(Benchmark re	eferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream, e hydrograph, factors that mig previous flood heights at sa	ht affect high water	

Kingston Bay/Rocky Nook Park					K1
(Name of River, Bay or Harbor)	(M	iles fr	om Mouth	h) (Watermark No.
	K	ingston			MA
(Tributary of)		City or	Town)		(State)
Description of high watermark:	Utility	pole #6	at the	intersect	ion of West A
and Rocky Nook Lane.					
	 .				
4 November 1991			Robert	Russo and	Duban Montoya
(Date obtained)				btained b	
(Name and address of	person p	ointing	out hig	h waterma	rk)
Visual					
(If not pointed out, how obtained	ed?)	(Dat	e and h	our of hi	gh watermark)
(Elev. of high watermark) (I	Datum)				
(Diev. of high watermark)	Da Cum)	rsa)	cnmark	referred	to) (Datum
(Elevation of high watermark		(Data	& Hour)	- (Class	s. of waterman
above water surface)		(Date	a nour,	(CIAS:	s. or waterman
(Elevation determined by)		(Da	te)	(Orde	er of levels)
		•		•	
(Nearest dam upstream or downstre	am)	(Latit	ude and	longitude	e of watermark
Remarks = (Failure of dome where					
Remarks - (Failure of dams upstre hydrograph, factors tha	am, eleva it might a	ffect h	o time (igh wat:	oi other ; ermark. el	points on levation of
previous flood heights	at same p	oint, e	tc.)		
:					
		· · · · · · · · · · · · · · · · · · ·			
	· · · · · · · · · · · · · · · · · · ·				

(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	ymouth	MA
	(City or Town)	(State)
(Tributary of)		
scription of high watermark: House	owned by Brown Wade a	nd Burrows. First
ouse on Gurnet Point (about 3/4 mile :	from Duxbury, Plymout	h Town Line). The
ost northerly house on Gurnet Point.	H.W.M. 2 shingles up	·
	Pohert Russo	and Duban Montoya
November 1991		ined by)
(Date obtained)		22. 077
(Name and address of perso	n pointing out high v	vatermaik)
isual		
	(Date and hour	r of high watermark)
(If not pointed out, how obtained?)		
(Elev. of high watermark) (Datum)	(Benchmark re	
(Elev. bi high waterating		
(Elev. of high watermark) (Datum) (Elevation of high watermark above water surface)	(Benchmark re	(Class. of watermar
(Elevation of high watermark above water surface)	(Date & Hour)	
(Flevation of high watermark		(Class. of watermar
(Elevation of high watermark above water surface) (Elevation determined by)	(Date & Hour) (Date)	(Class. of watermar
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream)	(Date & Hour) (Date) (Latitude and 1	(Class. of watermar) (Order of levels) Longitude of watermark
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream)	(Date & Hour) (Date) (Latitude and leevation and time or the affect high water)	(Class. of watermar) (Order of levels) Longitude of watermark
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream) Remarks - (Failure of dams upstream,	(Date & Hour) (Date) (Latitude and leevation and time or the affect high water)	(Class. of watermar) (Order of levels) longitude of watermark
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream) Remarks - (Failure of dams upstream,	(Date & Hour) (Date) (Latitude and leevation and time or the affect high water)	(Class. of watermar) (Order of levels) Longitude of watermark
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream) Remarks - (Failure of dams upstream,	(Date & Hour) (Date) (Latitude and leevation and time or the affect high water)	(Class. of waterma (Order of levels) Longitude of waterman

High Cliff, Plymouth Harbor (Name of River, Bay or Harbor)		
	(Miles from Mouth)	(Watermark No.)
(Maine on the same of	High Cliff	MA
(5 t)	(City or Town)	(State)
(Tributary of)		
escription of high watermark: $\frac{\mathbb{U}}{2}$	tility pole #536/15 at e	nd of Hedge Road
4 November 1991	Robert Ru	sso and Duban Montoya
(Date obtained)	(Ob	tained by)
(2200	·	<u>.</u>
(ii and address of	person pointing out high	watermark)
(Name and address of Visual	person pornound	
•		our of high watermark)
(If not pointed out, how obtained	ed?) (Date and no	our of high watermans,
		referred to) (Datum)
(Datum) (Benchmark	
(Elev. of high watermark) (-	
(Elev. of high watermark)		
(Elev. of high watering)	(Date & Hour)	
(Elevation of high watermark		
(Elev. of high watering)		(Class. of watermar)
(Elevation of high watermark above water surface)		
(Elevation of high watermark	(Date & Hour)	(Class. of watermar)
(Elevation of high watermark above water surface) (Elevation determined by)	(Date & Hour) (Date)	(Class. of watermar) (Order of levels)
(Elevation of high watermark above water surface)	(Date & Hour) (Date)	(Class. of watermar) (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstr	(Date & Hour) (Date) (Latitude and	(Class. of watermark (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstr	(Date & Hour) (Date) (Latitude and	(Class. of watermark (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstream above water surface)	(Date & Hour) (Date) (Date) (Latitude and time that might affect high was	(Class. of watermark (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstream above water surface)	(Date & Hour) (Date) (Latitude and	(Class. of watermark (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstream above water surface)	(Date & Hour) (Date) (Date) (Latitude and time that might affect high was	(Class. of watermark (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstream above water surface)	(Date & Hour) (Date) (Date) (Latitude and time that might affect high was	(Class. of watermark (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstream above water surface)	(Date & Hour) (Date) (Date) (Latitude and time that might affect high was	(Class. of watermark (Order of levels)
(Elevation of high watermark above water surface) (Elevation determined by) (Nearest dam upstream or downstream or downstream above water surface)	(Date & Hour) (Date) (Date) (Latitude and time that might affect high was	(Class. of waterman (Order of levels)

Plymouth Harbor		Р3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Plymouth	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	"Pilgrim Memorial State	Park" sign next to
"Plymouth Rock ". 4 inches off of	ground.	
4 November 1991	Robert Russo a	nd Duban Montoya
(Date obtained)	(Obt.	ained by)
(Name and address of pe	erson pointing out high	watermark)
(If not pointed out, how obtained?	(Date and hou	r of high watermark)
(Elev. of high watermark) (Dat	um) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream	m) (Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high watern	other points on mark, elevation of

Plymouth Bay (Warren Cove)		P4
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Plymouth	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Util	lity pole #1 in front	of Bert's Dining House
4 November 1991 (Date obtained)		so and Duban Montoya
(Date Obtained)	(Ob)	tained by)
(Name and address of person Visual (If not pointed out, how obtained?)		watermark) or of high watermark)
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)
emarks - (Failure of dams upstream, e hydrograph, factors that mig previous flood heights at sa	ht affect high water	other points on mark, elevation of

Cape Cod Bay-near Rocky Point		P 5
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Plymouth	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Natu	re trail sign Plymout	h Pilgrim Pow d er Plant.
(note: no red marker left) 2 inches	off ground	
4 November 1991 (Date obtained)		o and Duban Montoya
(Date obtained)	(05)	.azca by,
(Name and address of pers	on pointing out high	watermark)
(If not pointed out, how obtained?)	(Date and hou	or of high watermark)
(Elev. of high watermark) (Datum) (Benchmark re	eferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ght <mark>affect high wate</mark> r	
	· · · · · · · · · · · · · · · · · · ·	

(Name of River, Bay or Harbor)	()//1	P6
(Name of River, Bay or narbor)	(Miles from Houth)	(Watermark No.)
(T-d)	Plymouth	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: _	Utility pole #19 on 36	Taylor Ave. next to
Barlett Pond in/outlet		
4 November 1991	Robert Russo a	and Duban Montoya
(Date obtained)	(Obt	ained by)
(Name and address of	person pointing out high	watermark)
DPW Worker Description		
(If not pointed out, how obtained	i?) (Date and how	r of high watermark)
		,
(Elev. of high watermark) (Da	tum) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
Nearest dam upstream or downstrea	am) (Latitude and longitude of watermark)	
emarks - (Failure of dams upstrea hydrograph, factors that	might affect high water	other points on mark, elevation of
previous flood heights a	t same point, etc.)	•
		=

Cape Cod Bay	_	P7
(Name of River, Bay or Harbor) (Miles from Mouth)	(Watermark No.)
(Name of River, 20) of the	Plymouth	MA
(Tributary of)	(City or Town)	(State)
(ITIDULALLY CL)	Entrance to Association Bea	ch access, end
Description of high watermark: of Sea View Drive and Senator N		
4 November 1991	Robert Russo and D	uban Montoya
(Date obtained)	(Obta	ined by)
Resident observation	of person pointing out high w	
(Elev. of high watermark) (Elevation of high watermar above water surface)	(Datum) (Benchmark ref	ferred to) (Datum) (Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Elevation determined by) (Nearest dam upstream or downs		(Order of levels) ongitude of watermark

Cape Cod Bay		P8
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Plymouth	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Utilit	y pole $\#\frac{X86325}{Y31778}$ in fro	ont of 19 Bayberry
Road near Bayside Beach.		
4 November 1991		and Duban Montoya
(Date obtained)	(Obta	ined by)
(Name and address of person Visual (If not pointed out, how obtained?) (Elev. of high watermark) (Datum)		of high watermark)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream, el hydrograph, factors that migh previous flood heights at sam	nt affect high waterm	other points on mark, elevation of

(g.1. Rond)		Р9
llisville Harbor (Salt Pond)	(Miles from Mouth)	(Watermark No.)
(Name of River, Bay or Harbor)		MA
ape Cod Bay	Plymouth (City or Town)	(State)
(Tributary of)		Doint Pd
escription of high watermark:	Wood stake at end of Looks	out Point Ru
near private beach Lookout Pt. Im	provement Assoc next to di	rt road, 1/4 mile
south of Ellisville Harbor).		
4 November 1991	Robert Russo and	
(Date obtained)	(Obta	ined by)
(Name and address of	person pointing out high w	atermark)
Visual		
(If not pointed out, how obtaine	d?) (Date and hour	of high watermark)
(Elev. of high watermark) (E	Datum) (Benchmark ref	erred to) (Datum)
	(Date & Hour)	(Class. of watermark
(Elevation of high watermark above water surface)	(bace o mose)	•
	(Date)	(Order of levels)
(Elevation determined by)	•	
(Nearest dam upstream or downstr	eam) (Latitude and l	ongitude of watermark
		ashar maints on
Remarks - (Failure of dams upstr hydrograph, factors th previous flood heights		mark, elevation of

Cape Cod Bay		B 1	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
	Bourne	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark:	Concrete pile next to con	ncrete stairs going	
to beach, near Shawmut and Sagam	ore Street intersection.		
Sag	amore Beach		
_11/4/91		sso and Duban Montoya	
(Date obtained)	(0bt	ained by)	
(Name and address of	person pointing out high	watermark)	
Visual			
(If not pointed out, how obtaine	ed?) (Date and hou	r of high watermark)	
(Elev. of high watermark) (D	Datum) (Benchmark re	ferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstre	am) (Latitude and lo	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstreaments hydrograph, factors that previous flood heights a	t might affect high watern	other points on mark, elevation of	

Cape Cod Bay		SAl
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Sandwich	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	North Jetty, Cape Cod Car	nal. Approximately
3' down from the top of the jet	tty. Approximate location	of high water mark-
near MHW line on beach.		
11/4/91		Russo and Duban Monto
(Date obtained)	(Ob)	tained by)
(Name and address of	f person pointing out high	watermark)
Visual		
(If not pointed out, how obtain	ned?) (Date and how	ur of high watermark)
•		
		`•
(Elev. of high watermark)	(Datum) (Benchmark re	eferred to) (Datum)
	(Date & Hour)	(Class. of watermark)
(Elevation of high watermark above water surface)	(Date & Rout)	(Class. Of Watermark,
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downst	ream) (Latitude and	longitude of watermark)
Remarks - (Failure of dams upst hydrograph, factors t previous flood height	ream, elevation and time of hat might affect high waters at same point, etc.)	f other points on rmark, elevation of

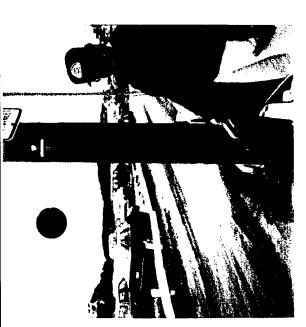




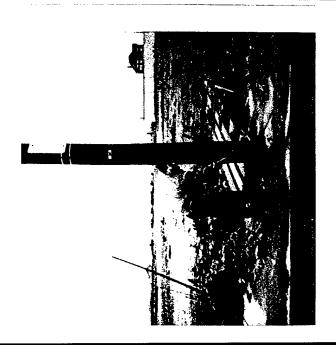
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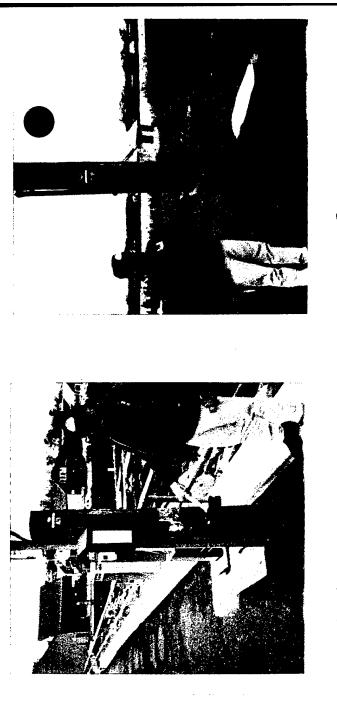
H3



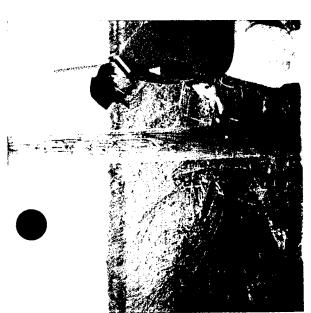
7

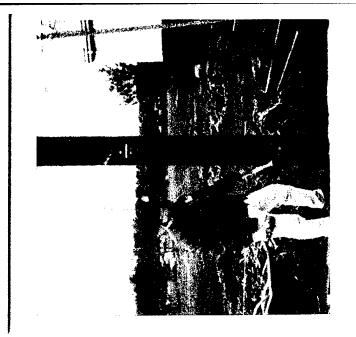


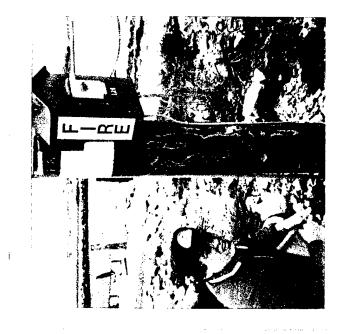
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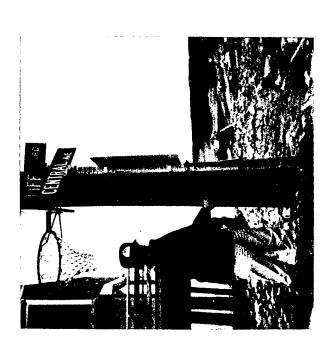












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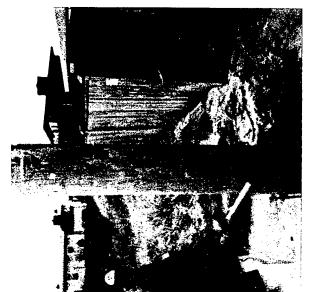




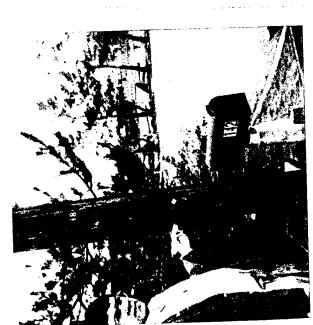














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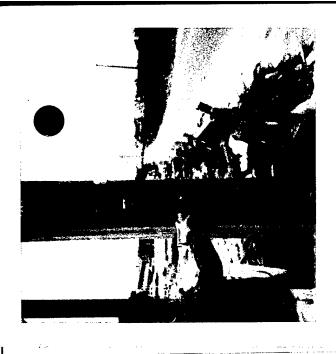


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S

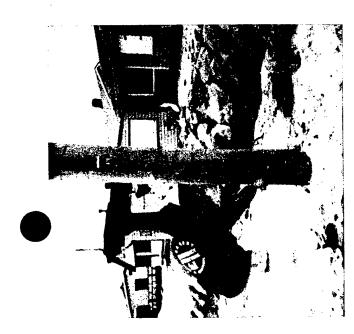




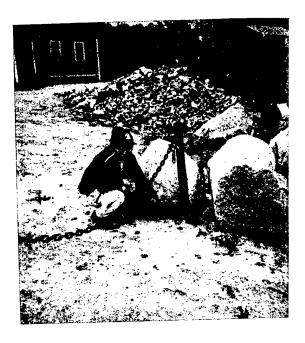
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P7



PB

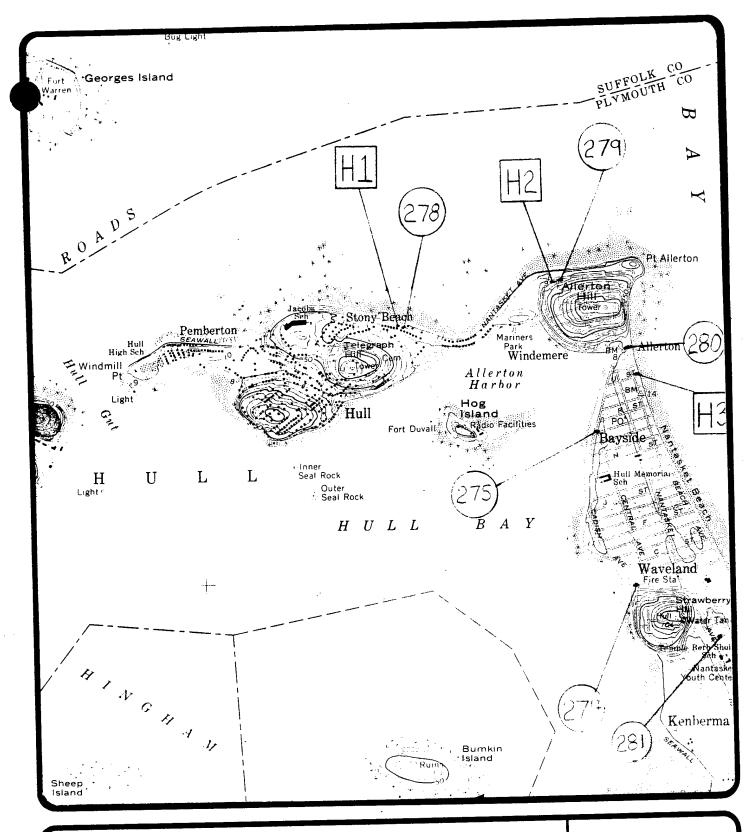


B 1



SA 1





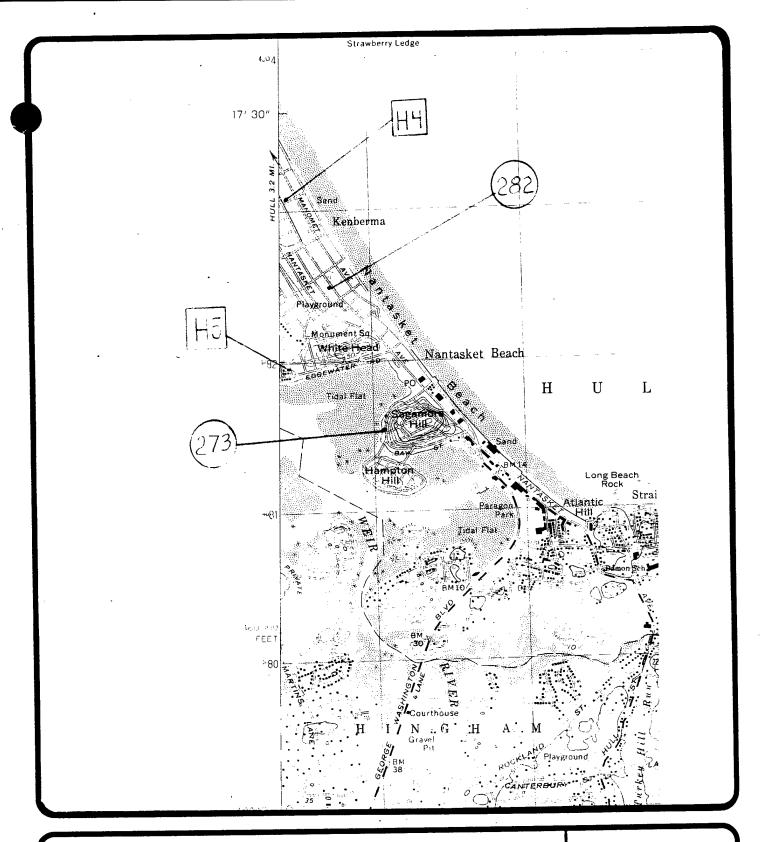
USGS 7.5 Minute Quadrangle - Hull, MA.

- 1991

- 1978

New England Division





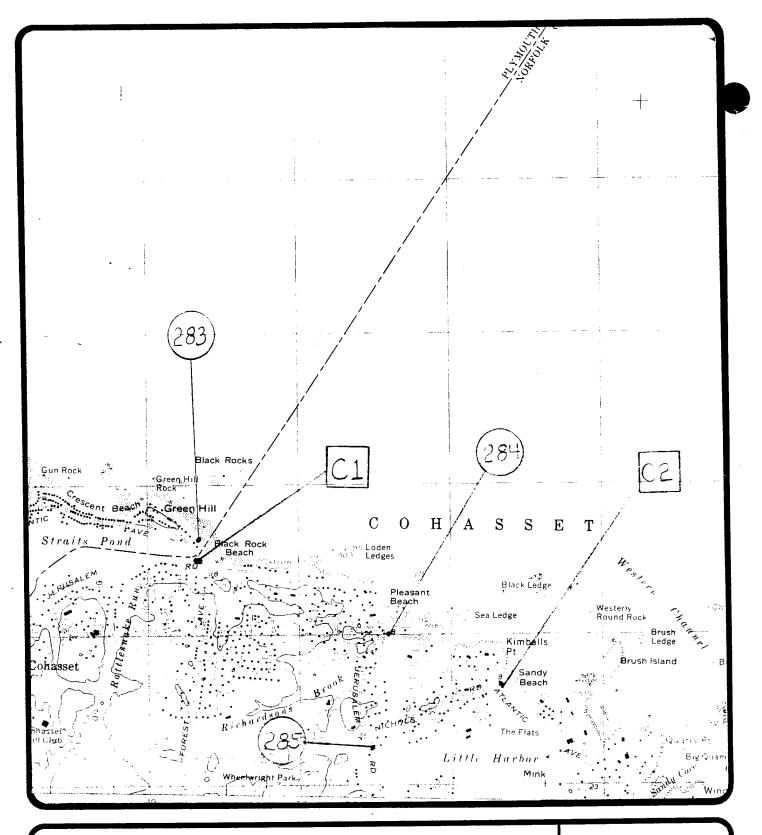
USGS 7.5 Minute Quadrangle - Nantasket Beach, MA.

- 1991

O - 1978

New England Division





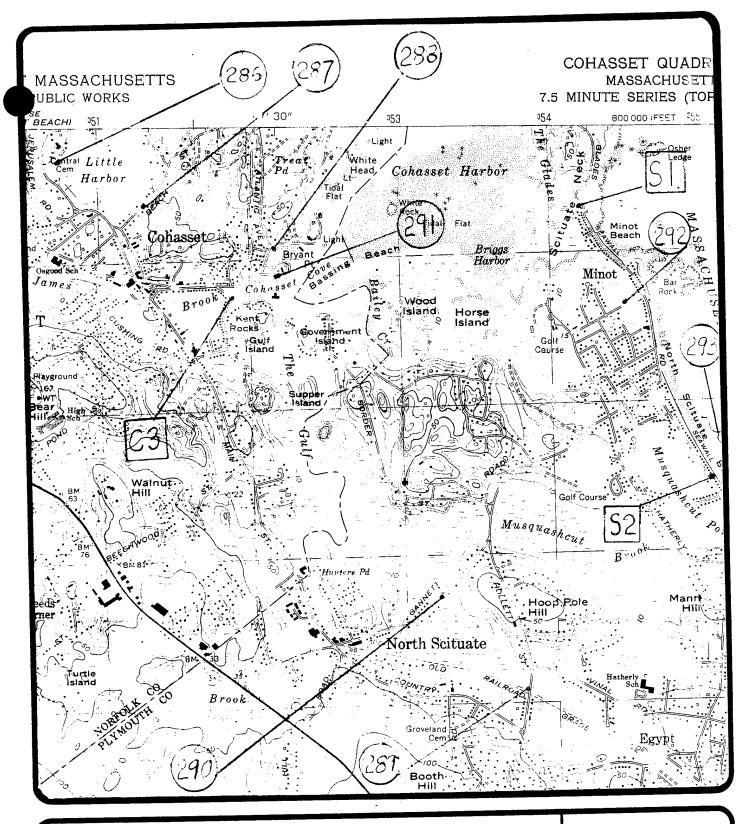
USGS 7.5 Minute Quadrangle - Nantasket Beach, MA.

- 1991

O - 1978

New England Division





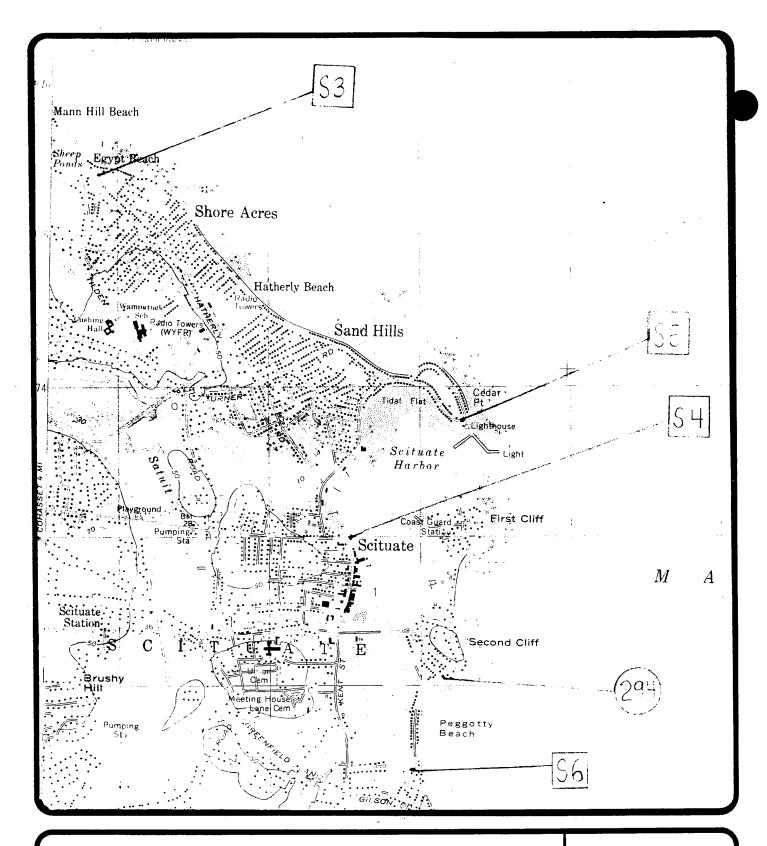
USGS 7.5 Minute Quadrangle - Cohasset, MA.

- 1991

- 1978

New England Division





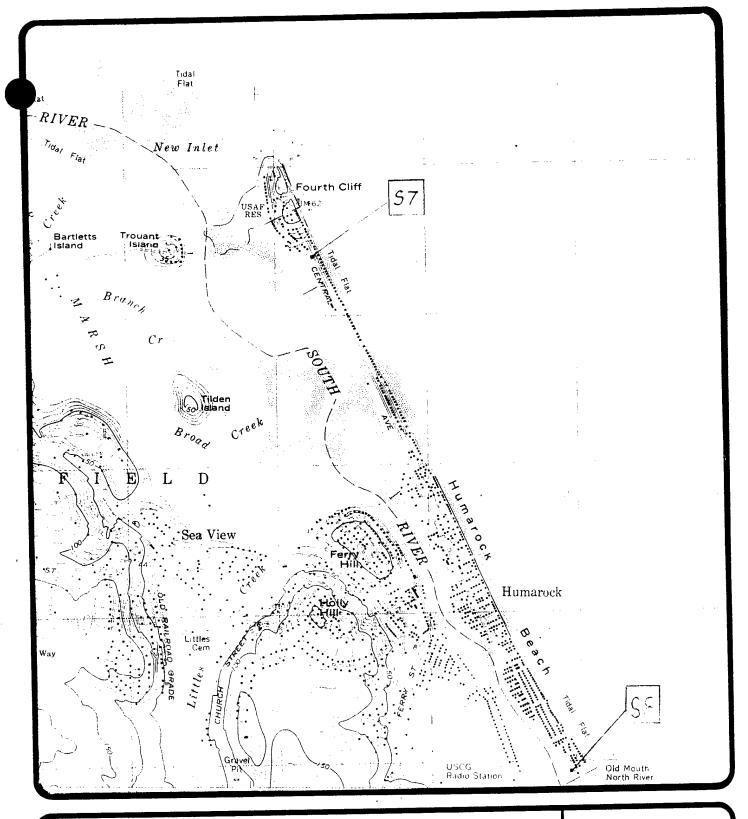
USGS 7.5 Minute Quadrangle - Scituate, MA.

- 1991

O - 1978

New England Division





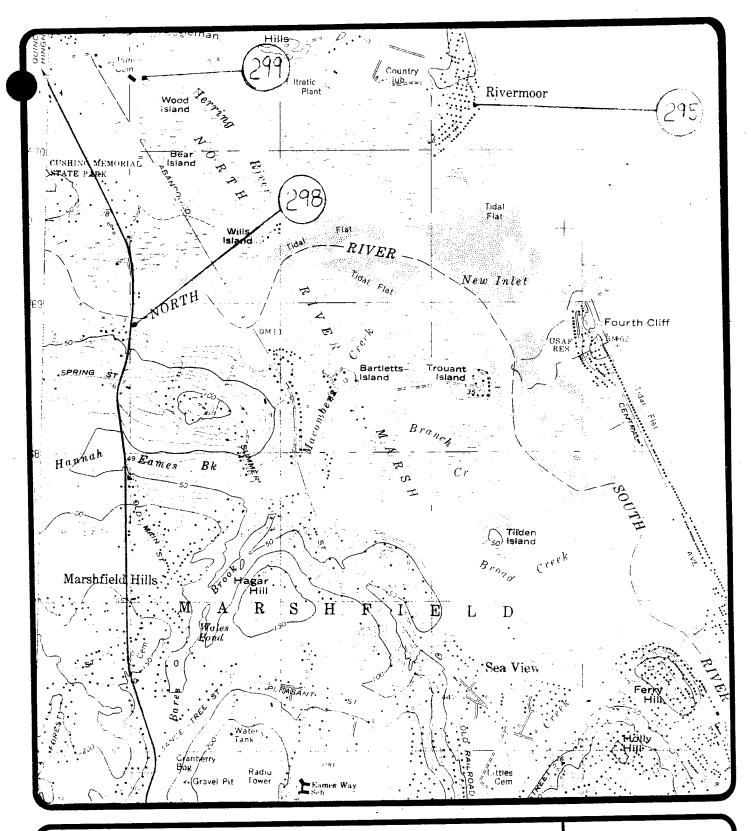
USGS 7.5 Minute Quadrangle - Scituate, MA.

- 1991

O - 1978

New England Division



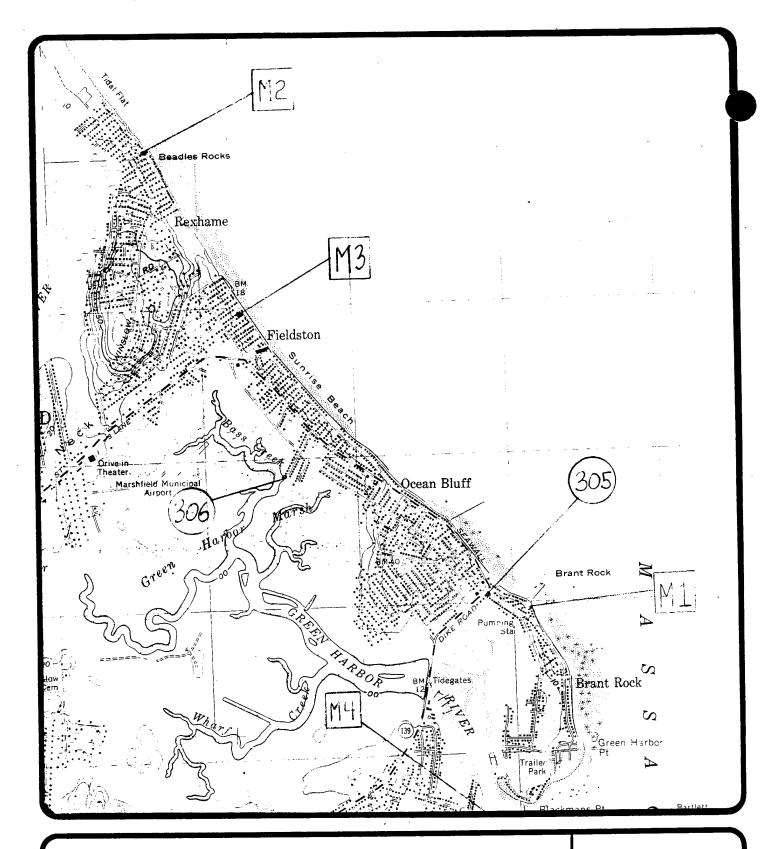


USGS 7.5 Minute Quadrangle - Scituate, MA.

- 1991

O - 1978



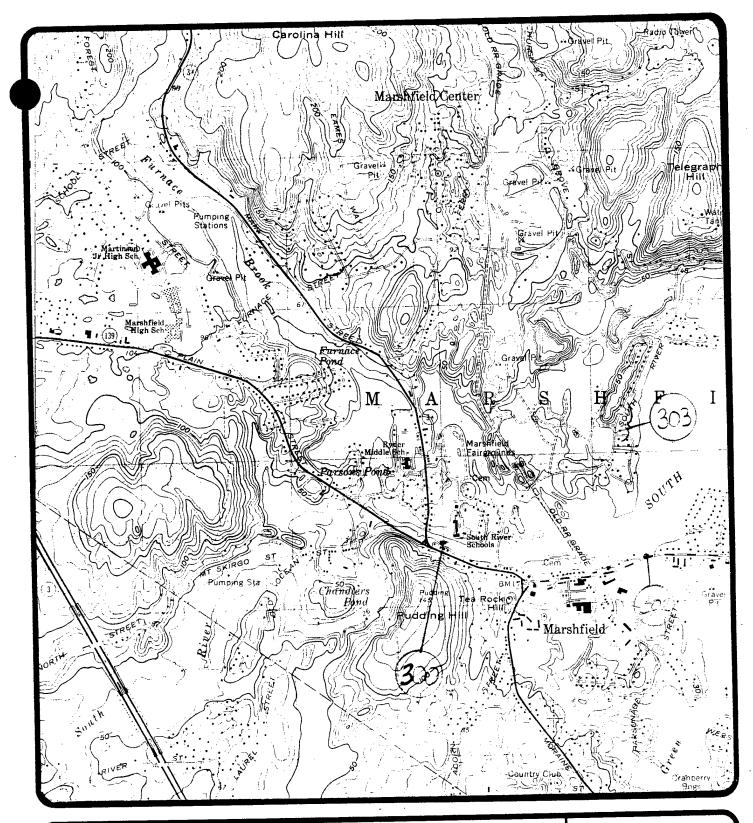


USGS 7.5 Minute Quadrangle - Duxbury, MA.

- 1991

O - 1978



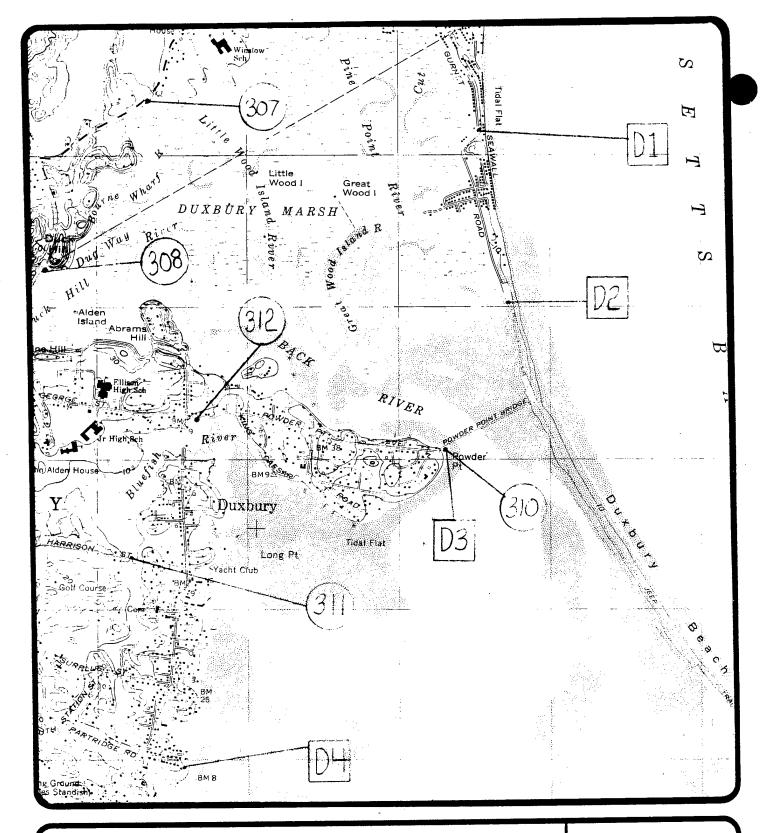


USGS 7.5 Minute Quadrangle - Duxbury, MA.

- 1991

O - 1978

New England Division



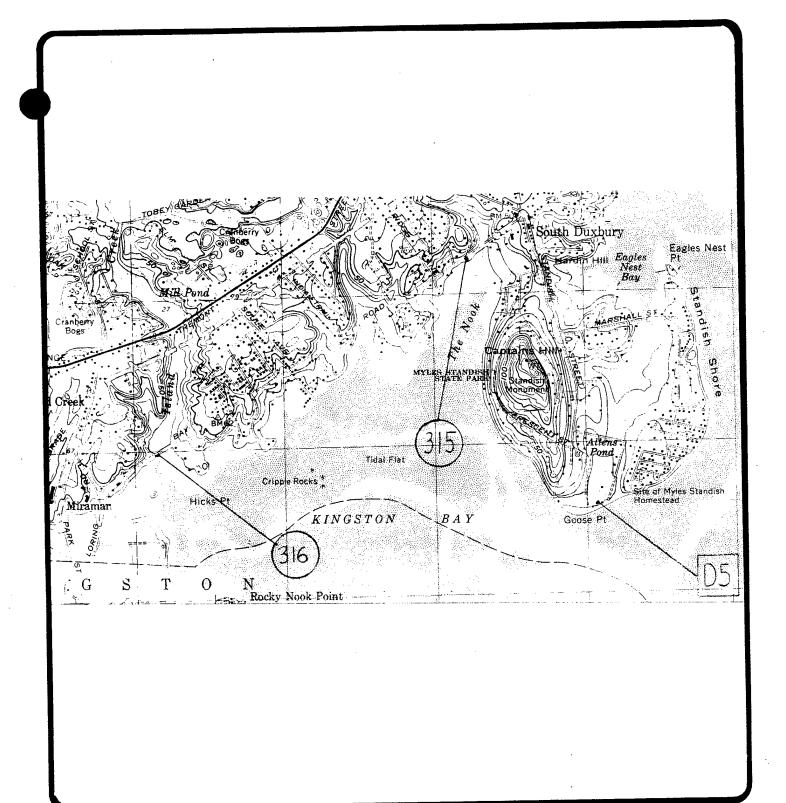
USGS 7.5 Minute Quadrangle - Duxbury, MA.

- 1991

O - 1978

New England Division



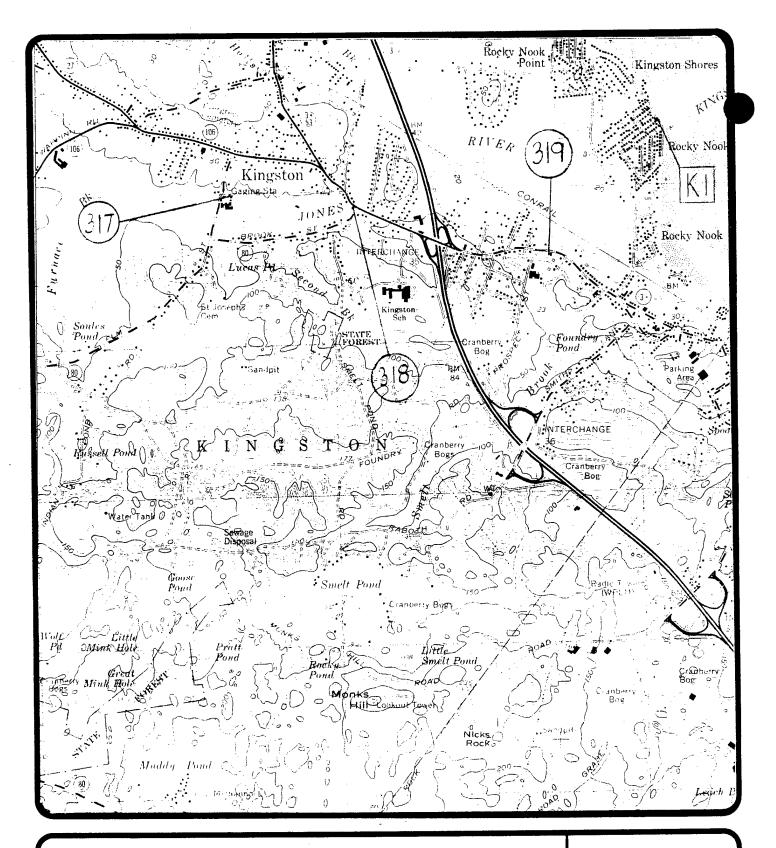


USGS 7.5 Minute Quadrangle - Duxbury, MA.

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O - 1978

New England Division



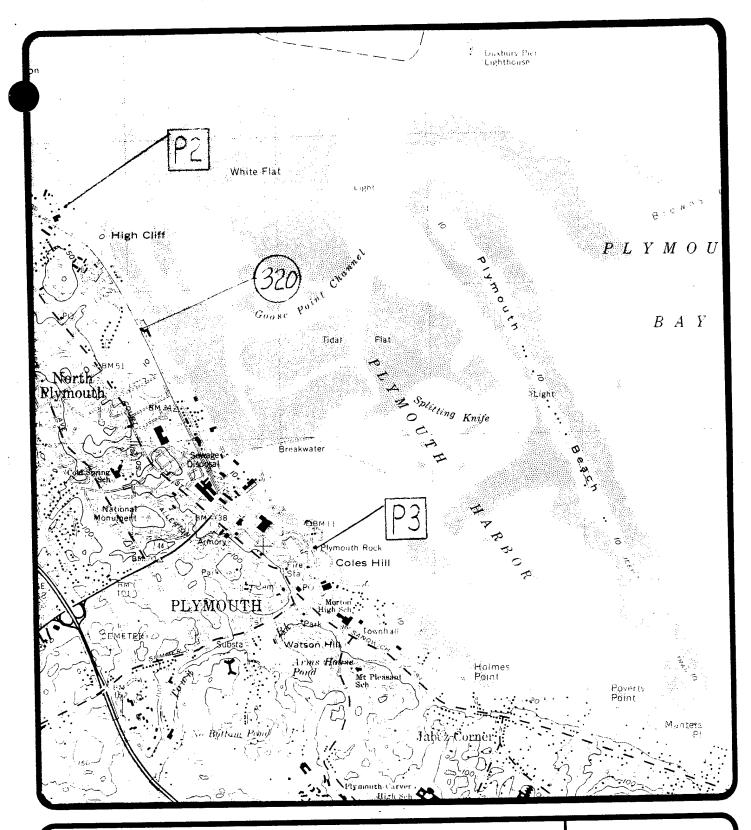
USGS 7.5 Minute Quadrangle - Plymouth, MA.

- 1991

O - 1978

New England Division





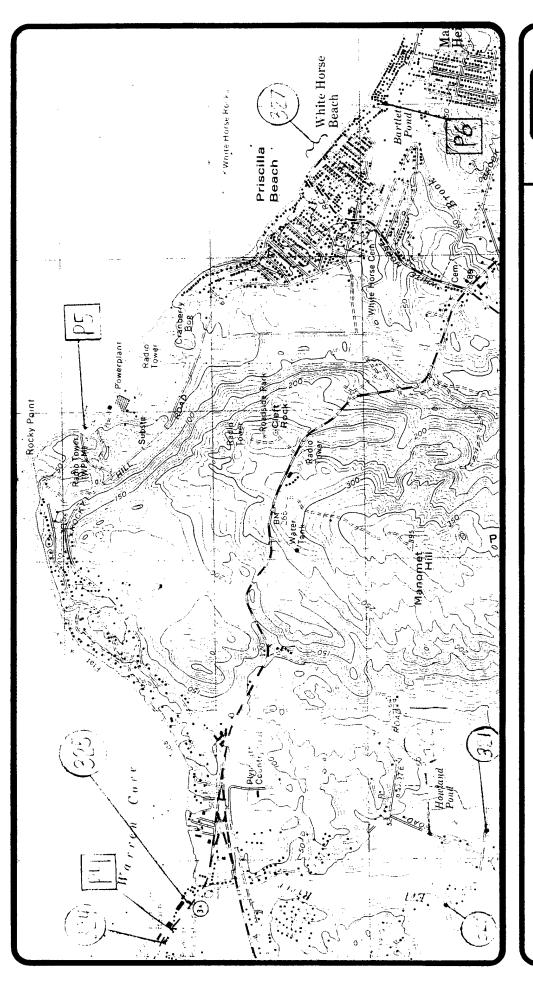
USGS 7.5 Minute Quadrangle - Plymouth, MA.

- 1991

O - 1978

New England Division



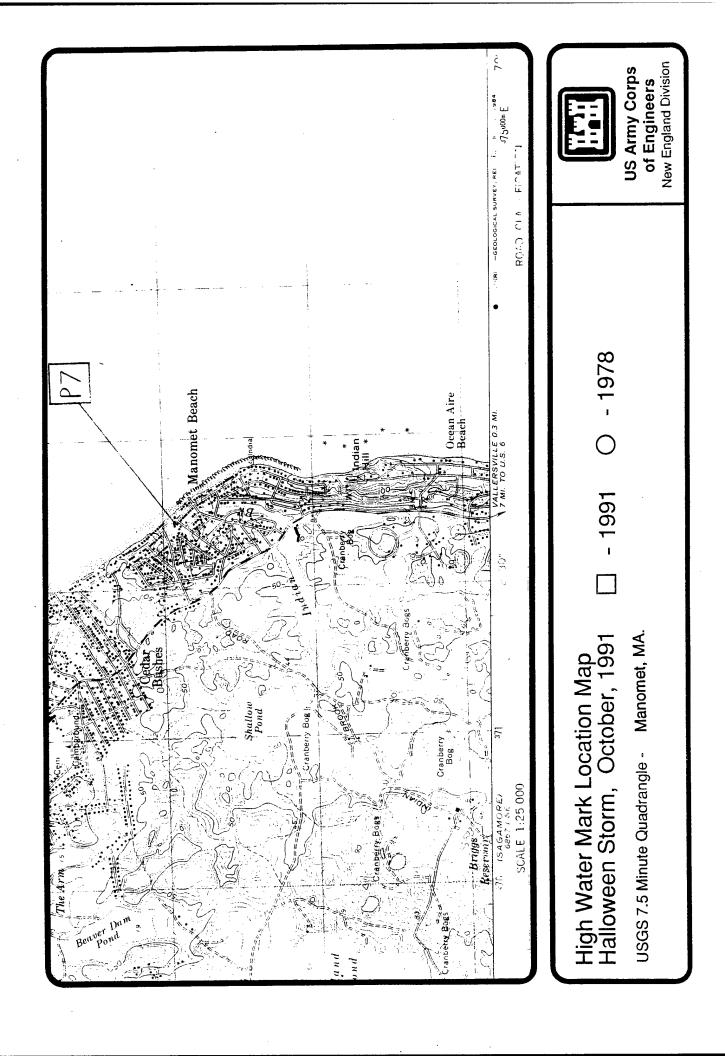


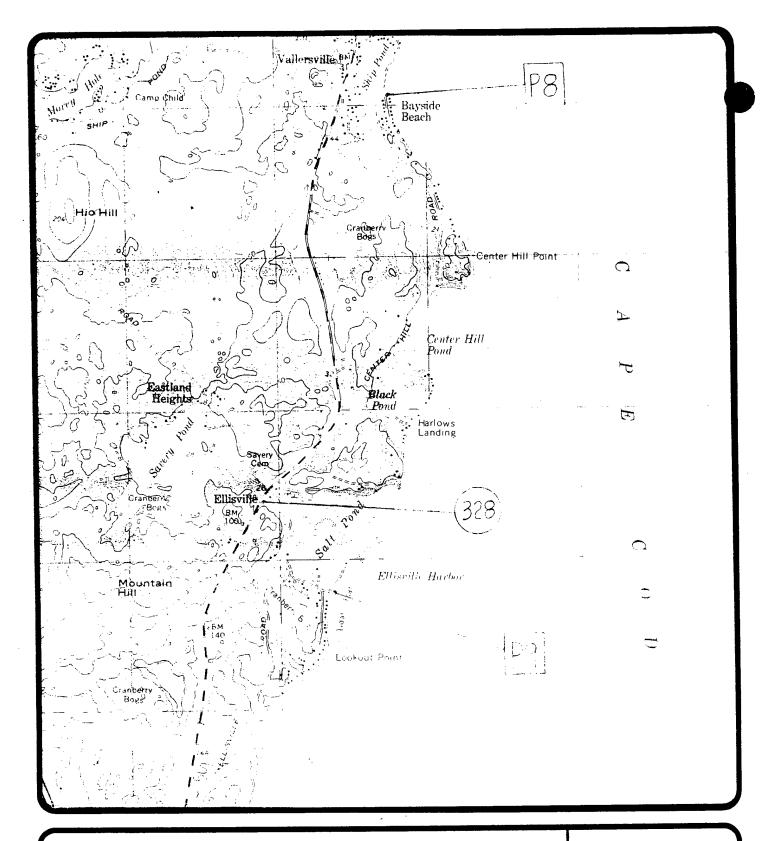
USGS 7.5 Minute Quadrangle - Manomet, MA.





US Army Corps of Engineers New England Division





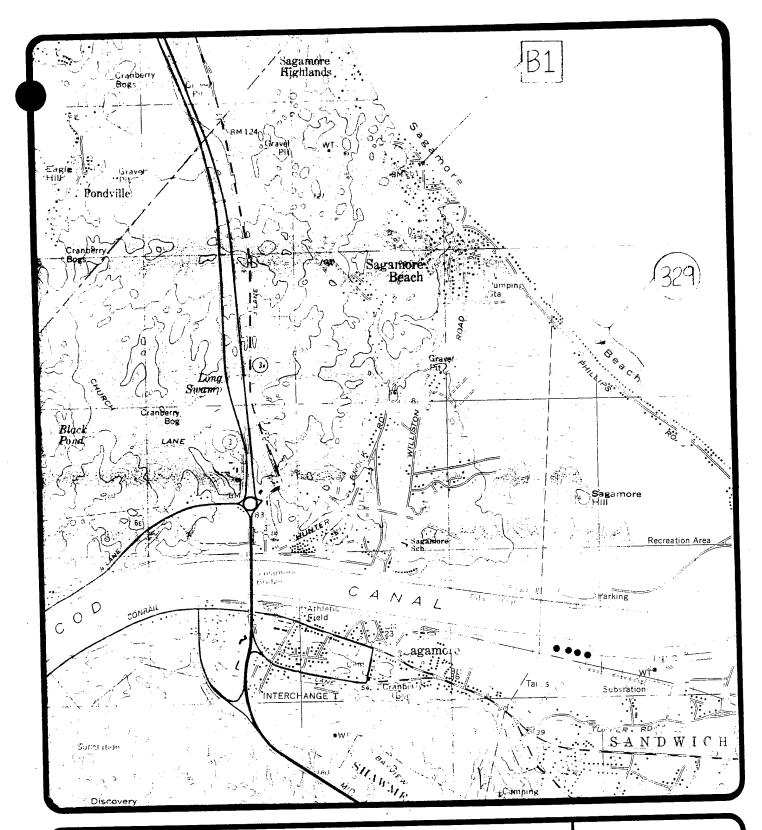
USGS 7.5 Minute Quadrangle - Sagamore, MA.

- 1991

O - 1978

New England Division





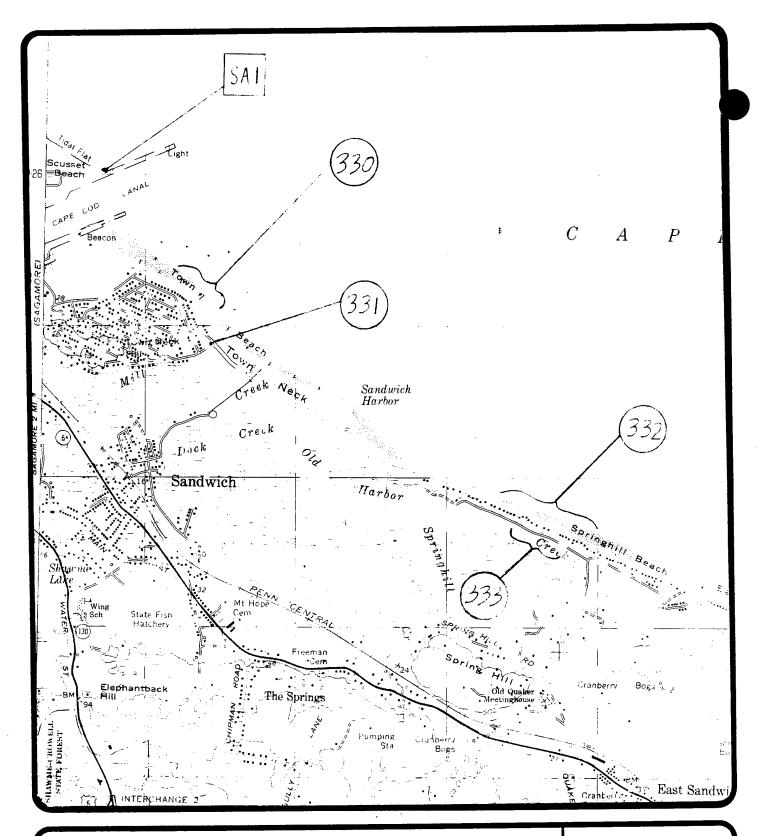
USGS 7.5 Minute Quadrangle - Sagamore, MA.

- 1991

O - 1978

New England Division





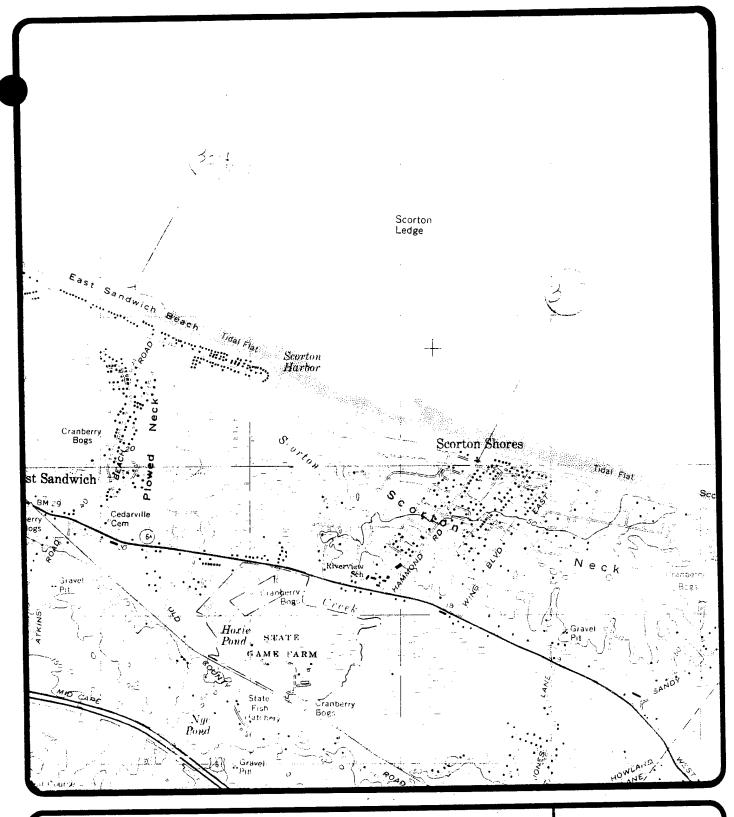
USGS 7.5 Minute Quadrangle - Sandwich, MA.

- 1991

O - 1978

New England Division





USGS 7.5 Minute Quadrangle - Sandwich, MA.

- 1991

O - 1978

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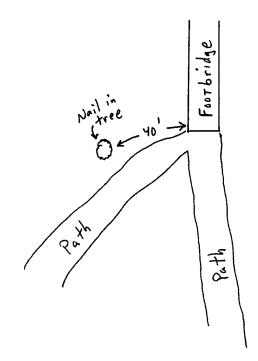


APPENDIX

CHATHAM TO PROVINCETOWN, MASSACHUSETTS

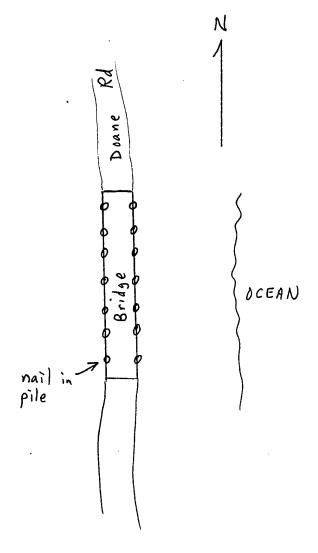
New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Coastguard Beach, Nauset Bay		<u> </u>
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Eastham	MA
(Tributary of)	(City or Town)	(State)
escription of high watermark:	Nail in tree about 40' f	rom east end of foot-
bridge along the southerly path	(see sketch on back)	
11/5/91	Bob Martin and	Dave Larsen
(Date obtained)	(Obta	ined by)
	Cocchoro Mointonanco	
Frank Ackerman-Cape Cod National (Name and address of p	erson pointing out high w	atermark)
(•	
observed	2) (Date and hour	of high watermark)
(If not pointed out, how obtained	(Date and nour	or might weedingerry
(Elev. of high watermark) (Da	tum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)		
(Elevation determined by)	(Date)	(Order of levels)
•		
(Nearest dam upstream or downstrea	(Latitude and lo	ongitude of watermark)
	•	made .
Remarks - (Failure of dams upstrea	am, elevation and time of	other points on
hydrograph, factors that	t might affect high water	mark, elevation of
previous flood heights a	at same point, etc.,	
•		



EI

Coastguard Beach		E 2	
(Name of River, Bay or Harbor)	(Miles from Mo	uth) (Water	mark No.)
	Eastham	M/	
(Tributary of)	(City or Town	(St	ate)
escription of high watermark: Nai	.1 in wood suppor	t pile southwest	edge of
bridge on Doane Road (see on back).			
			_
11/5/91	Bc	ob Martin and Dave (Obtained by)	e Larsen
(Date obtained)	•	(Obtained by)	
		bich watermark)	
(Name and address of pers	on pointing out	uign mareimark)	
observed	_	nd hour of high w	atormark)
(If not pointed out, how obtained?)	(Date at	d nour or night w	acermark)
		ark referred to)	(Datum)
(Elev. of high watermark) (Datum	n) (Benchma	ark referred to,	(Dacam)
	(Date & Ho	(Class o	f watermark
(Elevation of high watermark above water surface)	(Date & no	our) (crass. c	I watermark
above sales access,			
(Elevation determined by)	(Date)	(Order o	f levels)
(Elevación decelmento oy,	•	•	
(Nearest dam upstream or downstream)	(Latitude	and longitude of	watermark)
			•
Remarks - (Failure of dams upstream,	elevation and t	ime of other poin	ts on
hydrograph, factors that make previous flood heights at	ight airect nign same point. etc.))	CTÓN OI
previous rious neights at .	, and politically		



E2

Town Cove		E3		
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)		
	Eastham	MA		
(Tributary of)	(City or Town)	(State)		
Description of high watermark:	Nail in Osmose pole #3 or	n Ellis Road in front		
of house #6 about 3' above ground.				
11/5/91	Bob Martin ar	nd Dave Larsen		
(Date obtained)	(Obtained by)			
(Name and address of p	erson pointing out high	watermark)		
observed (If not pointed out, how obtained	?) (Date and hou	r of high watermark)		
(Elev. of high watermark) (Da	tum) (Benchmark re	ferred to) (Datum)		
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)		
(Elevation determined by)	(Date)	(Order of levels)		
(Nearest dam upstream or downstrea	m) (Latitude and 1	ongitude of watermark)		
Remarks - (Failure of dams upstrea hydrograph, factors that previous flood heights a	might affect high water	other points on mark, elevation of		

Iown Cove		OR 1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Orleans	MA
(Tributary of)	(City or Town)	(State)
•	Mail in Compass note #25	Coup Pond near the
escription of high watermark:	Nail in Osmose pole #25	On cove Road Hear the
town landing, nail is at the base	of the pole.	
	- 1 11	
11/5/91		itn and Dave Larsen cained by)
(Date obtained)		ained by)
Gardner Jameson, Asst. Harbor Mas		
(Name and address of	person pointing out high	watermark)
-		
<pre>observed (If not pointed out, how obtaine</pre>	d?) (Date and how	or of high watermark)
(11 not point		
<u></u>		
(T	Datum) (Benchmark re	eferred to) (Datum)
(Elev. of high watermark) (D	atum) (bencha	Helled Co,
(Elevation of high watermark	(Date & Hour)	(Class. of watermar)
above water surface)		
(Elevation determined by)	(Date)	(Order of levels)
(Elevation determined by)	(Date)	(Order of levels)
		(Order of levels)
(Nearest dam upstream or downstre	eam) (Latitude and l	longitude of watermark
(Nearest dam upstream or downstre	eam) (Latitude and leam, elevation and time of	longitude of watermark f other points on
(Nearest dam upstream or downstre Remarks - (Failure of dams upstre hydrograph, factors tha	eam) (Latitude and leam, elevation and time of at might affect high water	longitude of watermark f other points on
(Nearest dam upstream or downstre	eam) (Latitude and leam, elevation and time of at might affect high water	longitude of watermark f other points on
(Nearest dam upstream or downstre Remarks - (Failure of dams upstre hydrograph, factors tha	eam) (Latitude and leam, elevation and time of at might affect high water	longitude of watermark f other points on
(Nearest dam upstream or downstre Remarks - (Failure of dams upstre hydrograph, factors tha	eam) (Latitude and leam, elevation and time of at might affect high water	longitude of watermark f other points on
(Nearest dam upstream or downstre Remarks - (Failure of dams upstre hydrograph, factors tha	eam) (Latitude and leam, elevation and time of at might affect high water	longitude of watermark f other points on

Nauset Harbor					OR2
(Name of River, Bay or Harbor)	(M	iles from	n Mouth)	(Water	mark No.)
Roberts Cove		Orlean		MA	
(Tributary of)	_ (City or	Iown)	(St	ate)
Description of high watermark: _	Nail in	tree at	east end	of cul-de-s	ac on
Mill Pond Road on Rocky Point.					
11/5/01		В	ob Martin	and Dave La	rsen
(Date obtained)			(Obt	ained by)	
(Name and address of	person p	ointing	out high	watermark)	
observed					
(If not pointed out, how obtained	ed?)	(Dat	e and hou	r of high wa	termark)
(Elev. of high watermark) (Datum)	(Ben	chmark re	ferred to)	(Datum)
(Elevation of high watermark above water surface)		(Date	& Hour)	(Class. of	watermark
(Elevation determined by)		(Da	ite)	(Order of	levels)
(Nearest dam upstream or downstr	eam)	(Latit	ude and l	ongitude of	watermark)
Remarks - (Failure of dams upstr hydrograph, factors th previous flood heights	at might	affect t	ligh water	other point mark, elevat	ts on tion of
	<u> </u>				

Meeting House Pond		OR3_
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
Little Pleasant Bay	Orleans	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Nail	in NET + T CO. pole	#21 on River Road
at the town landing.		
11/5/91		and Dave Larsen
(Date obtained)	(Obt.	ained by)
(Name and address of pers	on pointing out high	watermark)
observed		
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
(Elev. of high watermark) (Datum	(Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ight affect high water	other points on mark, elevation of

		OR4		
leasant Bay (Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)		
	Orleans	MΔ		
(Tributary of)	(City or Town)	(State)		
Description of high watermark:	Nail in NET + T CO. po	le #216 on Rte. 28		
So. Orleans Rd.) near Tap Kiln Ro	oad			
1/5/01		and Dave Larsen		
(Date obtained)	(Obta	ained by)		
(Name and address of	person pointing out high	vatermark)		
(If not pointed out, how obtained	d?) (Date and hour	r of high watermark)		
(Elev. of high watermark) (I	Datum) (Benchmark re	ferred to) (Datum)		
(Elevation of high watermark	(Date & Hour)	(Class. of watermark		
above water surface)				
	(Date)	(Order of levels)		
above water surface)				

Pamet River (headwater)		T1
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
Ballston Beach	Truro	МД
(Tributary of)	(City or Town)	(State)
Description of high watermark: Na	ail in road north of bre	each in dunes (see
sketch).		
11/5/91	Bob Martin	and Dave Larsen
(Date obtained)		ained by)
(Name and address of pe	rson pointing out high	watermark)
observed		
(If not pointed out, how obtained?) (Date and hou	r of high watermark)
(Elev. of high watermark) (Dat	um) (Benchmark re	ferred to) (Datum)
(Elev. of high watermark) (Dat	um) (benchmark re	refred to) (batam)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
		•
(Nearest dam upstream or downstream	(Latitude and 1	ongitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high water	

Breach Area

Something

Road

Area

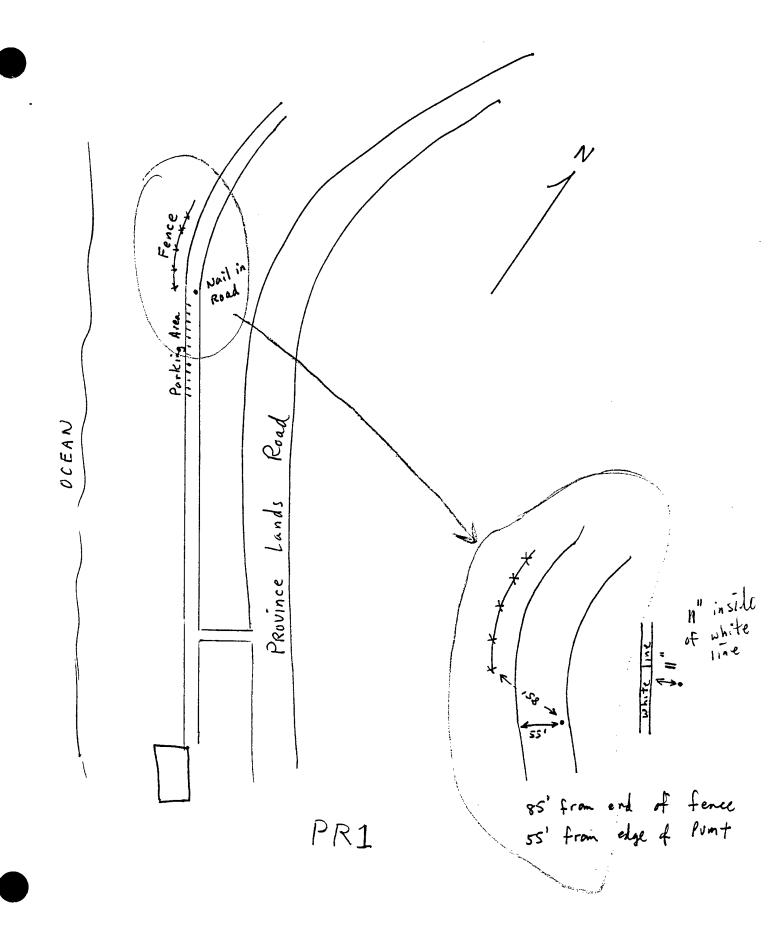
Tolday

Area

Nail located 7'7" from 4th fence post 8' from 5th fence post

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Cape Cod Bay				PR1
(Name of River, Bay or Harbor)		(Miles	from Houth)	(Watermark No.)
Harris Comp Book		Dma	vincetown	МД
Herring Cove Beach (Tributary of)			or Town)	(State)
(2020022)		•		
Description of high watermark:	Nail i	n road	in Herring Co	ove Beach National
Park area (see sketch on back)				
	 	· · · · · · · · · · · · · · · · · · ·		
	-			
11/5/91			Bob Martin and	d Dave Larsen
(Date obtained)			(Obt	ained by)
			•	
(Name and address of	person	point	ing out high	watermark)
		•		
observed	. 12\		(Data and have	r of high watermark)
(If not pointed out, how obtain	iea:)		(Date and nou	I OI HIGH Watermark,
(F) of blab manager	(Datum)		(Benchmark re	ferred to) (Datum)
(Elev. of high watermark)	Dacum		(Dencimark 10	
		-/5	- A - C Novem	(Class. of watermark
(Elevation of high watermark above water surface)		(1)	ate & Hour)	(Class. of Watermark
above water surrace,				
			(2-1-1)	(Order of levels)
(Elevation determined by)			(Date)	. (Older or levers)
(Nearest dam upstream or downstr		-(1	atitude and 1	ongitude of watermark)
(Nearest dam upstream of downstr	eam)		attione and 1	
Remarks - (Failure of dams upsti	ream. el	levatio	, n and time of	other points on
hydrograph, factors th	nat migh	t affe	ct high water	mark, elevation of
previous flood heights	s at sam	ne poin	t, etc.)	



Stage Harbor		CH1_
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Chatham	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Sta	ake in ground under fe	nce from NET + T CO.
POLE #1 on Champlain Rd. near Marsh I	Lane	
	Jane	
11/6/91	Bob Martin and	d Dave Larsen
(Date obtained)	(Obt	ained by)
	•	
(Name and address of pers	son pointing out high	watermark)
1		·
(If not pointed out, how obtained?)	(Date and hou	or of high watermark)
	·	
(Elev. of high watermark) (Datum	m) (Benchmark re	eferred to) (Datum)
_		
(Elevation of high watermark	(Date & Hour)	(Class. of watermark
above water surface)		
		(C. L. of lovels)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	Clatitude and 1	longitude of watermark)
(Nearest dam dystream or downstream,	(10000000000000000000000000000000000000	Oligatedate of marriage
Remarks - (Failure of dams upstream,		
hydrograph, factors that mi		mark, elevation of
previous flood heights at s	same point, etc.,	
	•	
		_

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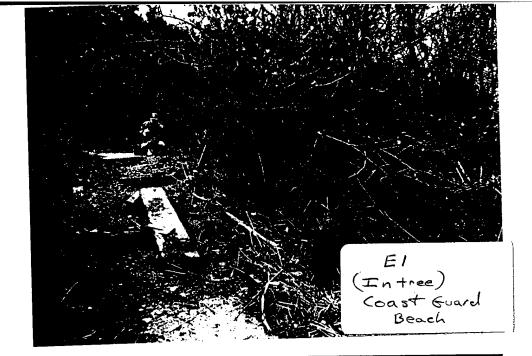
Mitchell River						CH2
(Name of River, Bay or Harbor)		(Mil	es	from M	outh)	(Watermark No.)
•		Cl	ath	am	•	MA
(Tributary of)	_	(Ci	ty	or Tow	m)	(State)
·	Metal	bar	on	south	side o	of the east abutment
Description of high watermark: _						
of the Bridge Street bridge over	the M	itche	211	River	• 	
11/6/91		-	Вс	b Mar		Dave Larsen
(Date obtained)					(Obt	ained by)
(Name and address of	person	n poi	nti	ng out	high	watermark)
observed .						
(If not pointed out, how obtaine	d?)	_	(Date	and hou	r of high watermark)
•						
(Elev. of high watermark) (D	atum)	-	(Bench	mark re	eferred to) (Datum
(Elevation of high watermark		-	(Da	te &	Hour)	(Class. of watermar
above water surface)						
(Elevation determined by)				(Date)	(Order of levels)
·		_				
(Nearest dam upstream or downstre	am)		(La	atitud	e and I	longitude of watermark
Remarks - (Failure of dams upstre		1	- { ^-	and	time of	f other points on
hydrograph, factors that	eam, e et mig	ht a	ffe	t hig	h water	rmark, elevation of
previous flood heights	at sa	me p	oint	t, etc	.)	

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Chatham River		CH3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Chatham	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark:	Nail in NET + T CO. pol	e #72/3 on Little
Beach Road about 3' above ground.		
11/6/91 (Date obtained)		and Dave Larsen
(2200 0002		
(Name and address of	person pointing out high	watermark)
observed		•
(If not pointed out, how obtained	d?) (Date and hou	r of high watermark)
(Elev. of high watermark) (D	atum) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstre	am) (Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstre hydrograph, factors tha previous flood heights	t might affect high water	
	_	

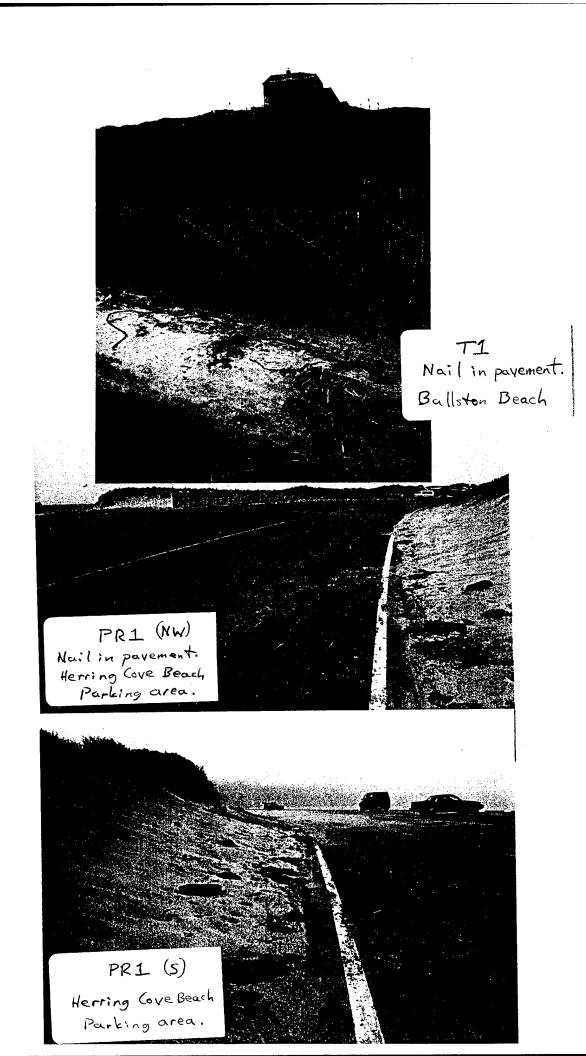
		. CH4	
Chatham Harbor	(Miles from Mouth)	(Watermark No.)	
(Name of River, Bay or Harbor)	(11200 00000	• • •	
	Chatham	MA (State)	
(Tributary of)	(City or Town)	(State)	
(IIIbucal)/	Paint mark on concrete	post at town landing on	
scription of high watermark:			
	op of last post on right	looking toward harbor.	
Cowyard Lane. Mark is 6" below t	ор от 1000 г		
	Bob	Bob Martin and Dave Larsen	
11/6/91	(Obt	(Obtained by)	
(Date obtained)		•	
(Name and address of)	person pointing out high	watermark)	
(Name and address)			
observed	(Deep and ho)	(Date and hour of high watermark)	
(If not pointed out, how obtained	d?) (Date and not		
(II not be and			
(D	Datum) (Benchmark r	eferred to) (Datum)	
(Elev. of high watermark) (D	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
_		(Class. of watermar)	
(Elevation of high watermark	(Date & Hour)	(C1233. 01	
above water surface)			
(a) desermined by	(Date)	(Order of levels)	
(Elevation determined by)	-		
·	- Catanda and	longitude of watermark	
(Nearest dam upstream or downstr	eam) (Latitude and	(Latitude and longitude of watermark	
(1	of other points on	
Remarks - (Failure of dams upstr	eam, elevation and time	ermark, elevation of	
hydrograph, factors th	eam, elevation and time of the data and time of the data and the data and the data and the data.		
previous flood heights	at same point, etc.,		
		•	

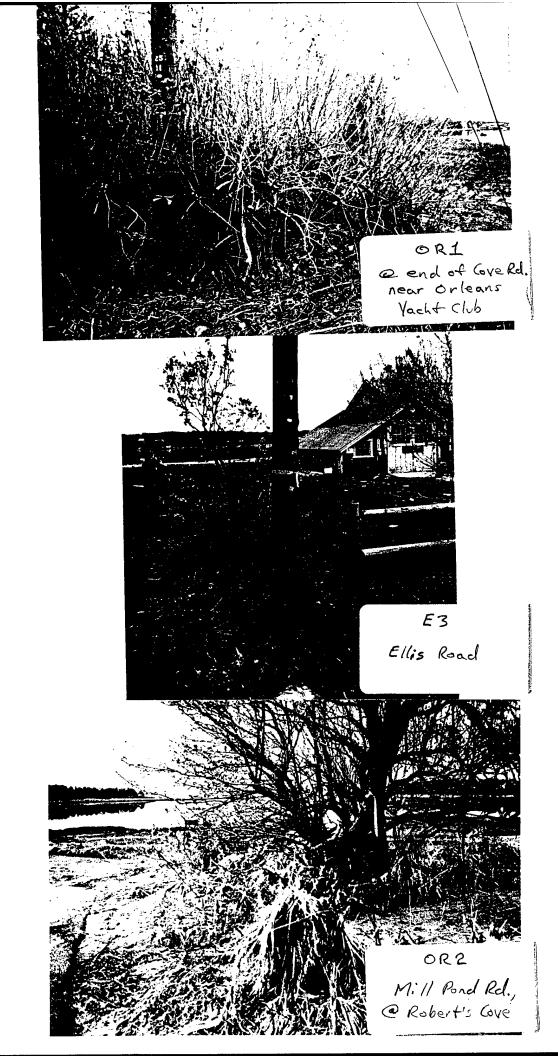
Ryders Cove		•	CH5
(Name of River, Bay or Harbor)	(Mil	es from Mouth)	(Watermark No.)
(Name of Miles)	Chat	ham	MΔ
(T. ()	(Ci	ty or Town)	(State)
(Tributary of)			g located on town
escription of high watermark:	- 40 above	3111 (
landing at Ryders Cove			
11.16./01			d Dave Larsen
(Date obtained)		(Obt	ained by)
		toting out high	watermark)
(Name and address of	t person po:	inting out high	WELL MOLITY
observed (If not pointed out, how obtain		(Date and how	r of high watermark)
(Elev. of high watermark)	(Datum)	(Benchmark re	eferred to) (Datum)
(Elevation of high watermark above water surface)		(Date & Hour)	(Class. of watermark
(Elevation determined by)		(Date)	(Order of levels)
(Nearest dam upstream or downst	ream)	(Latitude and	longitude of watermark
Remarks - (Failure of dams upst hydrograph, factors t previous flood height	tream, eleva	Bilect wip. acea	f other points on rmark, elevation of

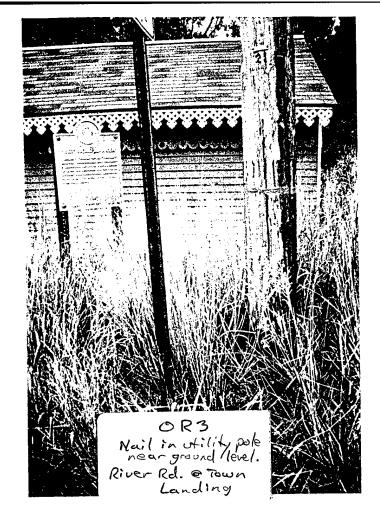


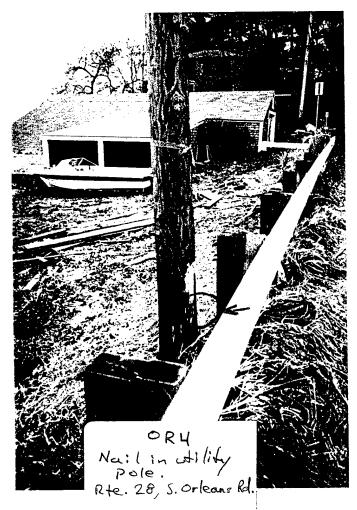






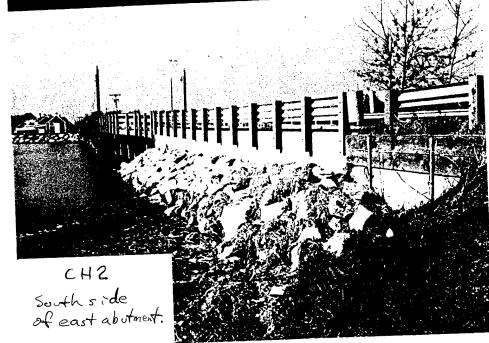




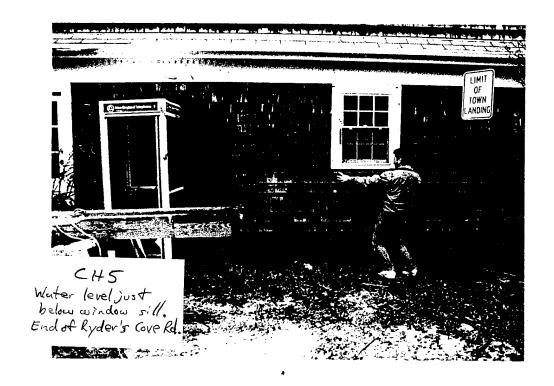








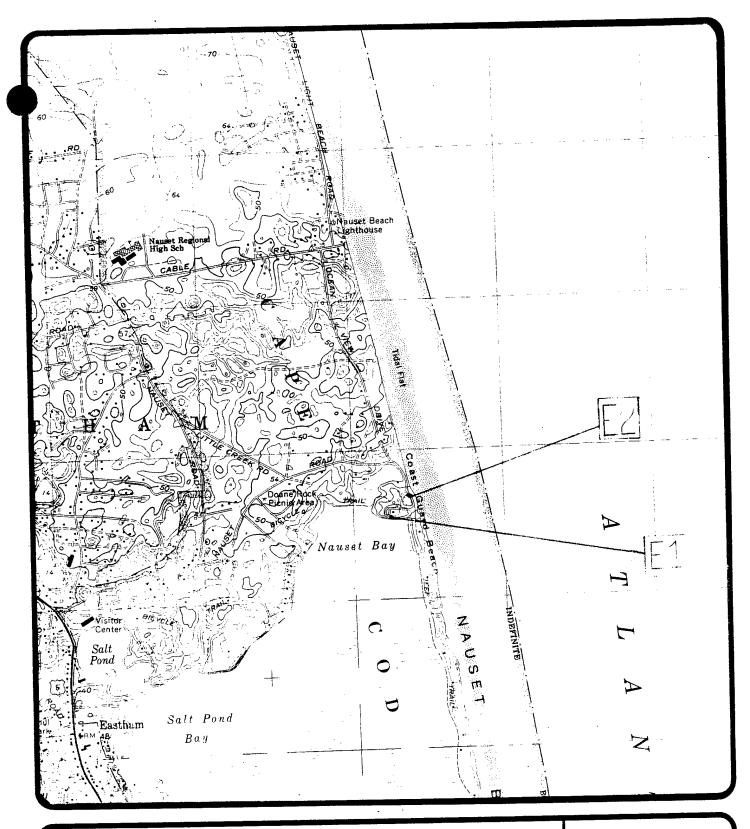






CHY End of Cowyard Lane





High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Orleans, MA.

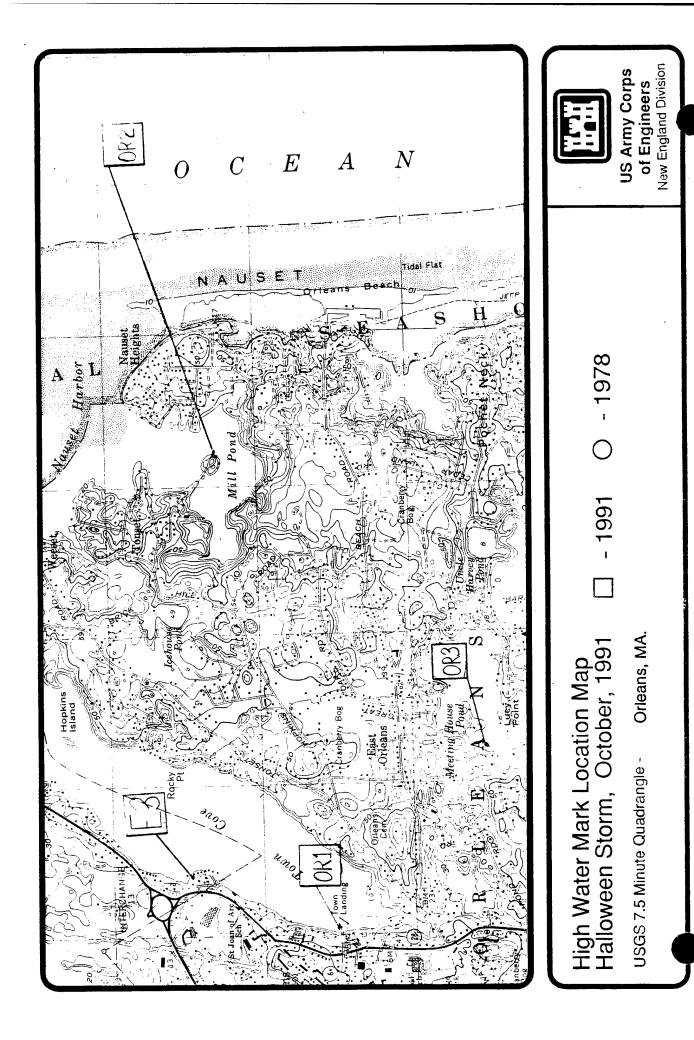
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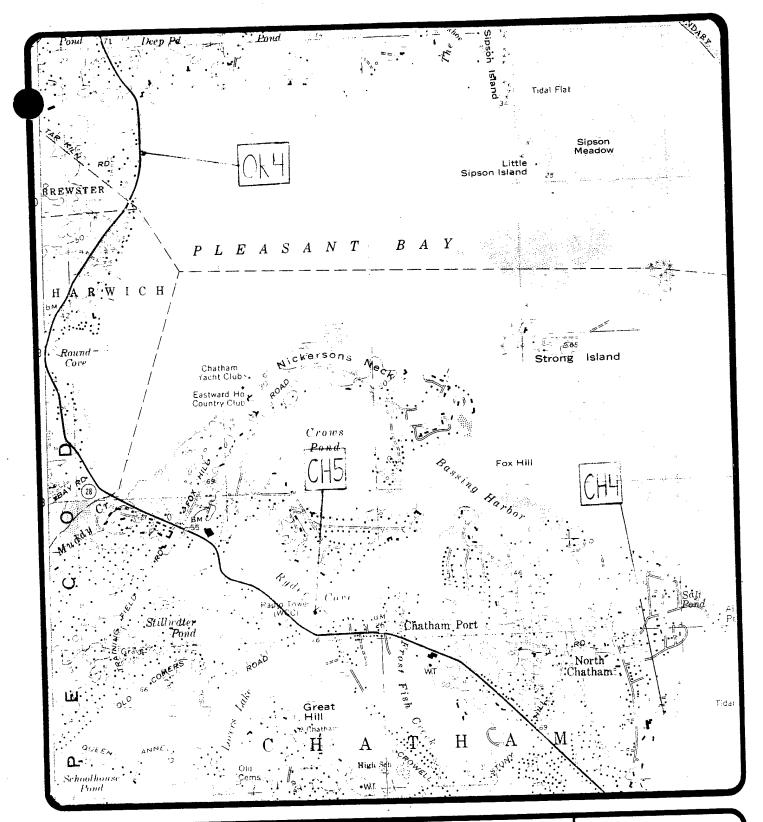
O - 1978

New England Division



US Army Corps of Engineers





High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Chatham, MA.

- 1991

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High Water Mark Location Map Halloween Storm, October, 1991

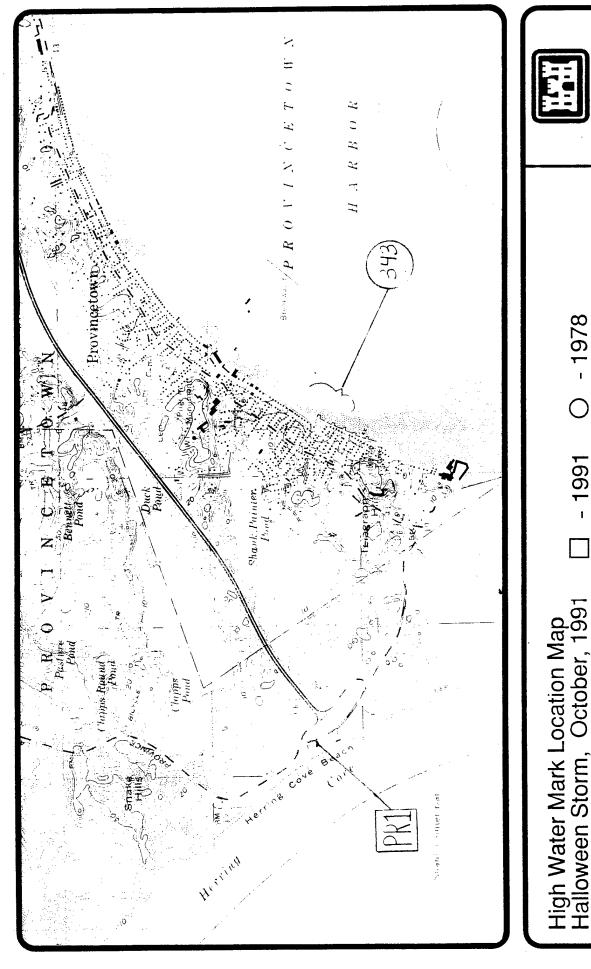
USGS 7.5 Minute Quadrangle - N. Truro, MA.

- 1991

O - 1978

New England Division

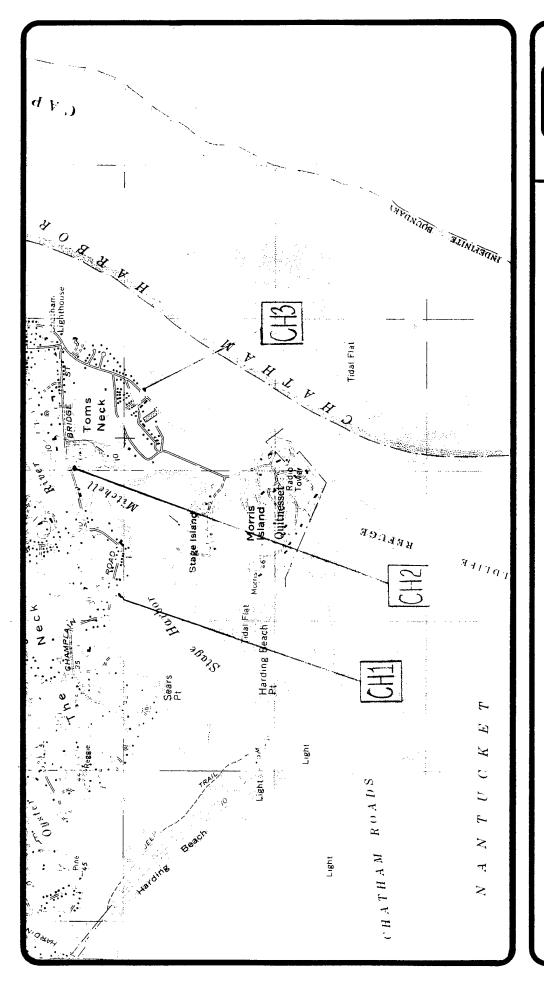
US Army Corps
of Engineers



□ - 1991 High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Provincetown, MA.





High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Chatham, MA.



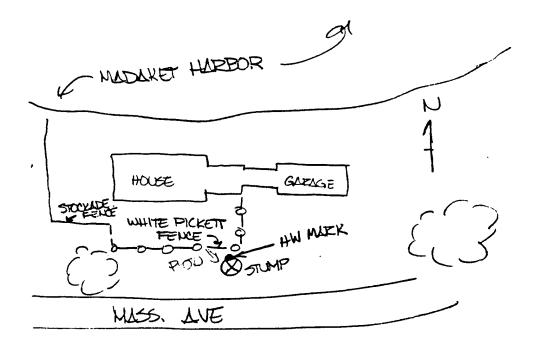
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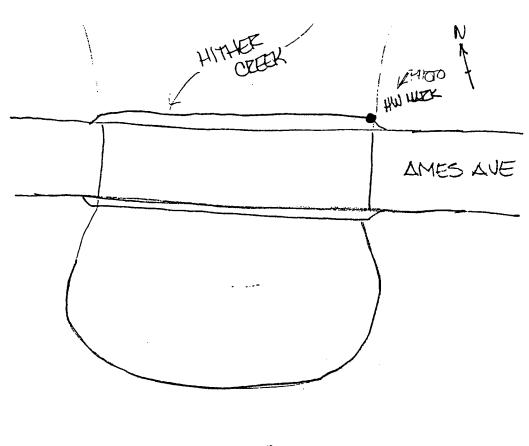
US Army Corps of Engineers New England Division APPENDIX

NANTUCKET, MASSACHUSETTS

Madakat Harbar		_ 1
Madaket Harbor (Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
•	Madaket, Nantucket	MA
(Tributary of)	(City or Town)	(State)
Sur	mmer cottage "Winterfes	t" on Mass. Ave
200012900000000000000000000000000000000		
small stump in front yard at SE cor	ner of white picket fen	ce with nail @ mark-
painted stake @ stump to identify		
5 November 1991		ne & G. Hanlon
(Date obtained)	COBE	ained by)
	to the same black	······································
(Name and address of pe	rson pointing out high	watermark/
windshield survey of area-saw debri	is line	r of high watermark)
(If not pointed out, how obtained?	(Date and nou	r of high watermark,
High Accuracy		
(Elev. of high watermark) (Dat	um) (Benchmark re	ferred to) (Datum)
(Elev. of high watermark) (Date	(201011112011 2	
(Elevation of high watermark	(Date & Hour)	(Class. of watermark)
above water surface)	(5020 0 11021)	,
(Elevation determined by)	(Date)	(Order of levels)
·	-	•
(Nearest dam upstream or downstream	n) (Latitude and l	ongitude of watermark)
	•	
Remarks - (Failure of dams upstream hydrograph, factors that	n, elevation and time of	other points on mark, elevation of
previous flood heights at	t same point, etc.)	mark, czerzesii -
p10.11111 11111 1	• ,	



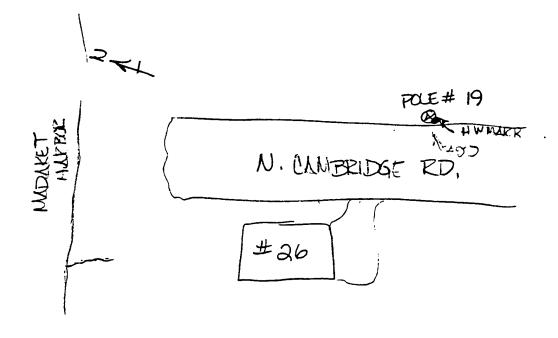
		2		
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)		
Madaket Harbor	Madaket, Nantucket	MA		
(Tributary of)	(City or Town)	(State)		
Description of high watermark: Ames	s Ave. bridge across Hi	ther Creek-NE abutment:		
Paint line & mail on support post fo	or sidewalk on N.E. cor	ner of bridge.		
5 November 1991 (Date obtained)	S. Acone & G. (Obta	Hanlon ained by)		
(Name and address of per	son pointing out high	watermark)		
Debris line @ Abutment (If not pointed out, how obtained?) Moderate Reliability	(Date and hour	r of high watermark)		
Moderate Refrability				
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)		
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)		
(Elevation determined by)	(Date)	(Order of levels)		
(Nearest dam upstream or downstream)	(Latitude and 1	ongitude of watermark)		
Remarks - (Failure of dams upstream, hydrograph, factors that m previous flood heights at	night affect high water	other points on mark, elevation of		



2

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Madaket Harbor		3
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Madaket, Nantucket	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Pole #	9 across fron the home	of G.E. Norton,
26 N. Cambridge Street-paint line a	nd nail in pole (about	3' up from ground).
5 November 1991	S. Acone and	G. Hanlon ined by)
(Date obtained)	(0):	Theu by)
(Name and address of pers	on pointing out high w	vatermark)
Debris line	(Date and hour	of high watermark)
(If not pointed out, how obtained?)	(Date and nour	of High watermans,
Good reliability		
(Elev. of high watermark) (Datum) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ght affect high watern	other points on mark, elevation of
	•	



Nantucket Sound					4	
(Name of River, Bay or Harbor)	(!	diles from Mo	outh)	(Wat	ermark	No.)
,	Naı	ntucket			MA	
(Tributary of)		(City or Town	n)	(State)	
Description of high watermark:	Bathing	Beach Road 1	Pole #5	-nail and	paint	mark on
pole						
			_			
		C 4===	and C	unnlon		
5 November 1991 (Date obtained)		S. Acom	(Obta	Hanlon ined by)	•	
,						
(Name and address of	person	pointing out	high v	vatermark)		
	•		_			
Debris line in brush (If not pointed out, how obtain	red?)	(Date a	nd hour	of high	waterm	nark)
(II not pointed out; now obtain	,	(2222		J		
Good reliability						
(Elev. of high watermark)	(Datum)	(Benchm	ark re	ferred to)		(Datum)
(Elevation of high watermark above water surface)		(Date & H	our)	(Class.	of wat	ermark)
		(Date)		(Order	of lev	/els)
(Elevation determined by)		(Date)		. (01461	01 10	
(Nearest dam upstream or downstr	ream)	(Latitude	and 1	ongitude (of wate	ermark)
Remarks - (Failure of dams upstr hydrograph, factors th previous flood heights	hat might	affect high	water	other po: mark, ele	ints or vation	n of
						

8 POLE#5 R PHOTO OFIRE HYDRAUT

BATHING BEACH ROAD

Nantucket Harbor		5
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
(Tributary of)	Nantucket (City or Town)	MA (State)
Description of high watermark: Hull paint mark (about 2½ ft up from ground paint mark (about 2½	pert Ave pole $\overline{22}$ (with ad).	h fire box) - nail and
5 November 1991	S. Acone and G.	Hanlon
(Date obtained)	(Obta	ined by)
(Name and address of pers	on pointing out high w	atermark)
(If not pointed out, how obtained?)	(Date and hour	of high watermark)
Good reliability		
(Elev. of high watermark) (Datum	(Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ngitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ght affect high waterm	
	· · · · · · · · · · · · · · · · · · ·	

MANTIONET HARBOR"

TEUNS COURTS #43 HUBERT

CHAIL LINK FEVE |

MANTIONET HARBOR"

#63 HUBERT

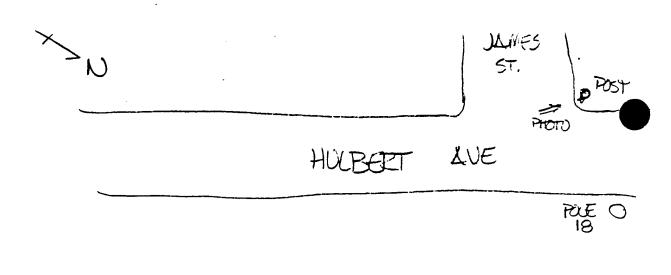
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AVEINE

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Nantucket Harbor		6
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Nantucket	MA
(Tributary of)	(City or Town)	(State)
	tersection of James and	Hulbert Avenue.
Nail in sign post for James Street	(about 2½' up)	
5 November 1991	S. Acone an	nd G. Hanlon
(Date obtained)	(Obta	ined by)
•	rson pointing out high w	vatermark)
Debris line in brush (If not pointed out, how obtained?) (Date and hour	of high watermark)
Good reliability		
(Flow of Mah material) (Pot	um) (Benchmark ref	erred to) (Datum)
(Elev. of high watermark) (Date	um) (benchmark rei	effecto) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ngitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that a previous flood heights at	might affect high waterm	
	·	
		<u> </u>



Nantucket Harbor		
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Nantucket	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Hulb	ert Ave. @ pole #11-pa:	int and nail about
2½ ft up		
		<u></u>
C N 1 1001	C Asses and (. Hanlan
6 November 1991 (Date obtained)	S. Acone and (Obta	ined by)
(2000 1111111111111111111111111111111111		• •
(Name and address of per	son pointing out high w	vatermark)
•	0 0	•
Debris line (If not pointed out, how obtained?)	(Date and hour	of high watermark)
(II not pointed out, now obtained.)	(Bate and note	. or magn wassing.
Good reliability		
(Elev. of high watermark) (Datu	m) (Benchmark ref	ferred to) (Datum)
(blev. of high watermark) (batter	m) (Deficilimate re-	(2000)
(Flameton of Mah mataman)	(Date & Hour)	(Class. of watermark)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. Of Watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Bievaelon determined by)	(3233)	
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
(nearest dam apstream of downstream)	(2002000 20 0	,
Remarks - (Failure of dams upstream,	elevation and time of	other points on
hydrograph, factors that m previous flood heights at	ight affect high watern	nark, elevation of
previous flood neights at	same point, etc.)	
	•	

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AJE

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Nantucket Harbor		8
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Nantucket	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: E	aston Street on Brant	Point-last pole on
street at entrance to beach-nail and	d paint (about l'up).	
6 November 1991	S. Acone and	
(Date obtained)	(Obt.	ained by)
(Name and address of pers	son pointing out high	watermark)
Debris line	_	
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
Fair reliability		
(Elev. of high watermark) (Datum	n) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and lo	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ight affect high water	
		·

ELSTON ST.

PHOTO - GATE

CONST GUARD STATION

LIGHTHOUSE

LAND STATION

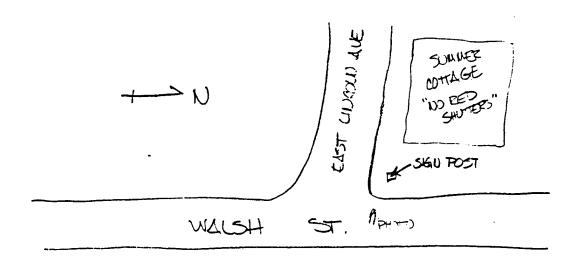
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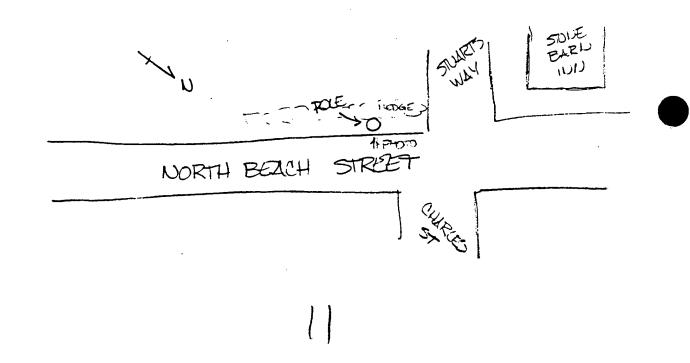
Nantucket Harbor		9
(Name of River, Bay or Harbor)	(Miles from Mouth) Nantucket	(Watermark No.) MA
(Tributary of)	(City or Town)	(State)
Description of Mig. Watermarks		nd Hulbert in rotary-
Pole #22. Paint and nail about $2\frac{1}{2}$ ' u	ıp.	
6 November 1991	S. Acone	and G. Hanlon
(Date obtained)	(Ob	tained by)
(Name and address of person Debris line (If not pointed out, how obtained?) Excellent reliability		ur of high watermark)
(Elev. of high watermark) (Datum) (Benchmark r	eferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and	longitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ght affect high wate	of other points on ermark, elevation of

PANINGE HAKEOF at 501)

Nantucket Harbor		10
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
•	Nantucket	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: St	reet sign post at inters	ection of Walsh St.
and East Lincoln Avenue. Nail in	sign post (about 4' up)	
6 November 1991	S. Acone and G	
(Date obtained)	•	ined by)
Caretaker pointed out debris lines		
(Name and address of pe	rson pointing out high w	
Debris line		O November 1991
(If not pointed out, how obtained?) (Date and hour	of high watermark)
Good reliability		
(Elev. of high watermark) (Date	um) (Benchmark ref	erred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream) (Latitude and lo	ngitude of watermark)
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high waterπ	other points on mark, elevation of



Nantucket Harbor		11
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Nantucket	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Nort	h Beach Street at Stu	arts way-pole # 1A -
aail and paint in pole about 2' up.		
6 November 1991	S. Acone and G.	
(Date obtained)	(0bt	ained by)
(Name and address of pers	on pointing out high	watermark)
Debris line	- /B	
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
Fair realiability		
(Elev. of high watermark) (Datum) (Benchmark re	ferred to) (Datum)
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
(Elevation determined by)	(Date)	(Order of levels)
(Nearest dam upstream or downstream)	(Latitude and l	ongitude of watermark)
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ght affect high water	other points on mark, elevation of



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Nantucket Harbor		12
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)
	Nantucket	MA
(Tributary of)	(City or Town)	(State)
Description of high watermark: Sou	th Beach Street-pole #	8-nail and paint mark
up 3±'.		<u> </u>
6 November 1991	S. Acone and G.	Hanlon
(Date obtained)		ained by)
(Name and address of per	son pointing out high	watermark)
Debris line		
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)
•		
Good reliability		
(Elev. of high watermark) (Datu	m) (Benchmark re	ferred to) (Datum)
	_	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)
above water surface,		
(F) and de determined by	(Date)	(Order of levels)
(Elevation determined by)	(Date)	(Older of levers)
(Nearest dam upstream or downstream)	(Latitude and le	ongitude of watermark)
,,	(2222222	
Remarks - (Failure of dams upstream,	elevation and time of	other points on
hydrograph, factors that might previous flood heights at a		mark, elevation of
freezens zana nezguta az	Jame pozne, acce,	

HARBOR HOUSE SOUTH BEACH STREET HARFOR VIEW Pole? "Charaticleer to go " HURBUR ILLUTUCKET

Nantucket Harbor		В		
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)		
	Nantucket	MA		
(Tributary of)	(City or Town)	(State)		
Description of high watermark: USCO	GS Bench mark #23 - 19	34 - Chief Day indicated		
water just reached the station, the	elevation as the surv	ey disk.		
6 November 1991		S. Acone and G. Hanlon		
(Date obtained)	(Obtained by)			
Deputy Chief Day - Nantucket Police				
(Name and address of pers	son pointing out nigh	watermark,		
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)		
Fair reliability	(2000 0			
(Elev. of high watermark) (Datur	m) (Benchmark re	ferred to) (Datum)		
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)		
(Elevation determined by)	(Date)	(Order of levels)		
(Nearest dam upstream or downstream)	(Latitude and l	(Latitude and longitude of watermark)		
Remarks - (Failure of dams upstream, hydrograph, factors that mi previous flood heights at s	ight <mark>affect high water</mark>			

> N	CHESTUT ST.	POUCE SURVEY DISK	
SOUTH	WATER	ST.	

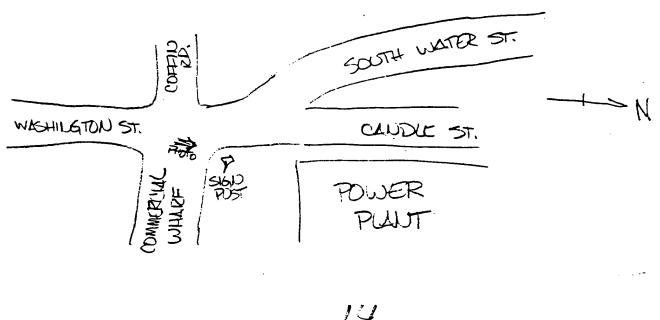
NANTUCKET HARBOR

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Nantucket Harbor		14		
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)		
	Nantucket	MA		
(Tributary of)	(City or Town)	(State)		
Description of high watermark: Washin	igton at Commercial Wh	narf-nail about 18"up		
in No Parking sign at corner near th	e Nantucket Power Pla	int.		
6 November 1991	S. Acone and G.	S. Acone and G. Hanlon		
(Date obtained)	(Obtained by)			
(Name and address of pers	on pointing out high	watermark)		
Debris line				
(If not pointed out, how obtained?)	(Date and hou	r of high watermark)		
(Elev. of high watermark) (Datum) (Benchmark re	(Benchmark referred to) (Datum)		
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)		
(Elevation determined by)	(Date)	(Order of levels)		
(Nearest dam upstream or downstream)	(Latitude and l	(Latitude and longitude of watermark)		
Remarks - (Failure of dams upstream, e hydrograph, factors that mig previous flood heights at sa	ght affect high water	other points on mark, elevation of		
•				



Nantucket Harbor	•	15	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
	Nantucket	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark:Into	ersection of Washing	ton Street and Francis	
Street Pole #16S-nail and paint on po	ole about 3½ft. up.		
		`	
6 November 1991	S. Acone and G. Hanlon		
(Date obtained)	(0b)	tained by)	
(Name and address of perso	on pointing out high	watermark)	
(If not pointed out, how obtained?)	(Date and how	or of high watermark)	
(Elev. of high watermark) (Datum)	(Benchmark re	eferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstream)	(Latitude and l	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream, e hydrograph, factors that mig previous flood heights at sa	ht affect high water	other points on mark, elevation of	

NASHINGTON ST.

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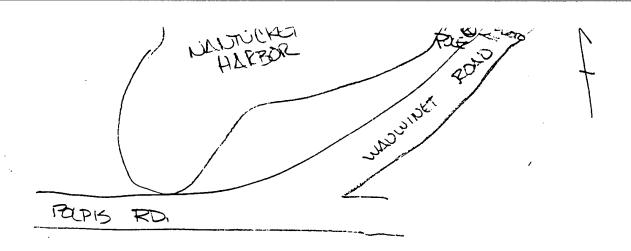
DELAMINEME OF THE WALL

New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Nantucket Harbor		16	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
	Nantucket	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark:	Washington Street extensi	on-pole # 19-nail and	
paint (about 2'up).			
6 November 1991	S. Acone and G.	Hanlon	
(Date obtained)	(Obt.	ained by)	
Drew Deeley-Island Marine Service (Name and address of p	e person pointing out high w	watermark)	
	6:00 pm-Wedne	sday November 30 1991	
(If not pointed out, how obtained		r of high watermark)	
(Elev. of high watermark) (Da	(Benchmark re	ferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstrea	m) (Latitude and lo	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstrea hydrograph, factors that previous flood heights a	might affect high waterm	other points on mark, elevation of	

NANTUCKET HARBOR -MEIK MEIK SEVILE ST. EXTENSION WASHINGTON

Nantucket Harbor		17	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
	Wauwinet, Nantucket		
(Tributary of)	(City or Town)	(State)	
Description of high watermark: Wauwine	et Road-pole 18-paint	and nail at ground leve	
6 November 1991	S. Acone and	S. Acone and G. Hanlon	
(Date obtained)	(Obt	(Obtained by)	
(Name and address of person Debris line (If not pointed out, how obtained?)		watermark) r of high watermark)	
(Elev. of high watermark) (Datum)	(Benchmark re	ferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstream)	(Latitude and l	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream, e hydrograph, factors that mig previous flood heights at sa	ht affect high water		
		•	

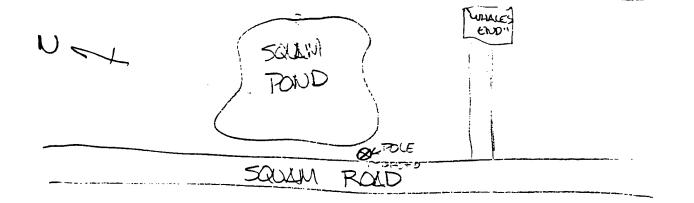


New England Division, Corps of Engineers 424 Trapelo Road Waltham, Massachusetts 02154

Nantucket Harbor		18	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
	Shawkemo, Nantucket	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark: Pol	pis Road - pole #69 - pa	aint and nail	
approximately 2' up.			
6 November 1991		nd G. Hanlon	
(Date obtained)	(Obta	ained by)	
(Name and address of perpendicular of the Debris in brush (If not pointed out, how obtained?	(Date and hour	watermark) r of high watermark)	
Fair reliability (Elev. of high watermark) (Date	um) (Benchmark re	ferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstream	(Latitude and lo	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high water		
\$\text{\tin}\text{\tett{\text{\tett}\text{\texi}\tint{\text{\texitt{\text{\texit{\text{\texitt{\text{\text{\text{\text{\texi}\text{\texit{\texit{\texit{\texin}\tint{\tintet{\text{\texit{\texit{\texit{\texi}\tinz}\tex			

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Nantucket Harbor		19	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
Atlantic Ocean	Squam, Nantucket	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark: Pond	was flooded when Barri	er Beach was	
overtopped. Squam Road - unmarked	pole at Squam Pond just	past home "whales	
End" - nail at base of pole near te	lephone box #25.		
6 November 1991	S. Acone and G.		
(Date obtained)	(Obta	ained by)	
(Name and address of per	rson pointing out high w	vatermark)	
Debris line			
(If not pointed out, how obtained?)	(Date and hour	of high watermark)	
Low reliability			
(Elev. of high watermark) (Date	m) (Benchmark ref	ferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstream)	(Latitude and lo	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream, hydrograph, factors that me previous flood heights at	night affect high watern		



19

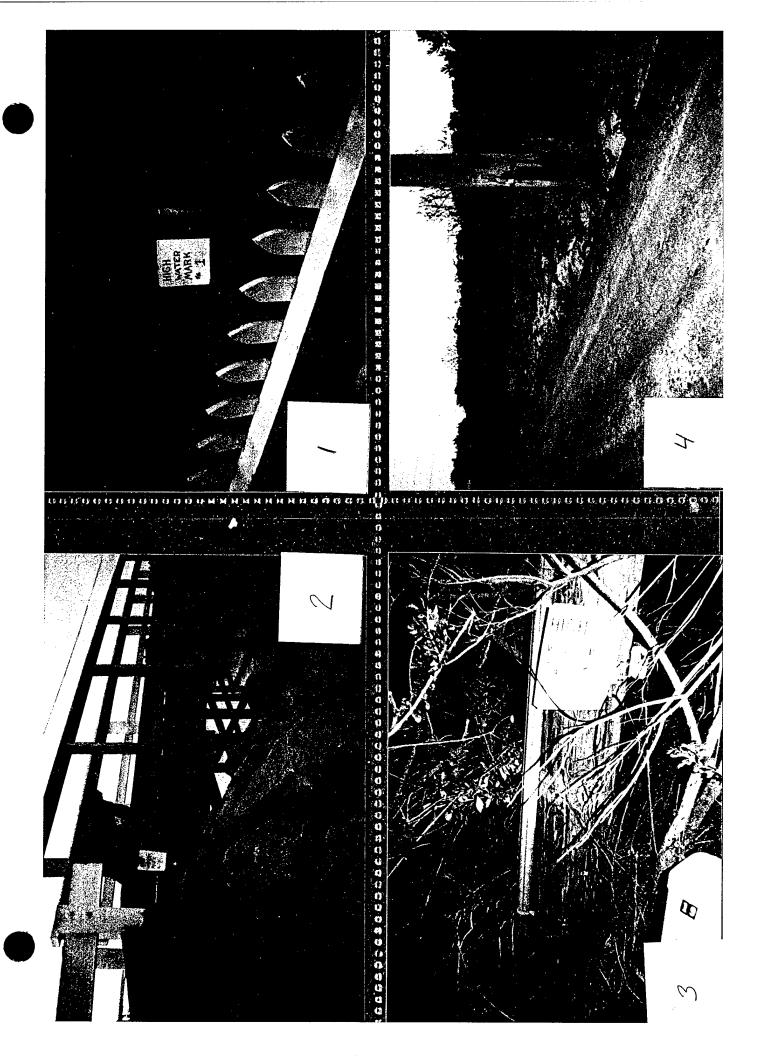
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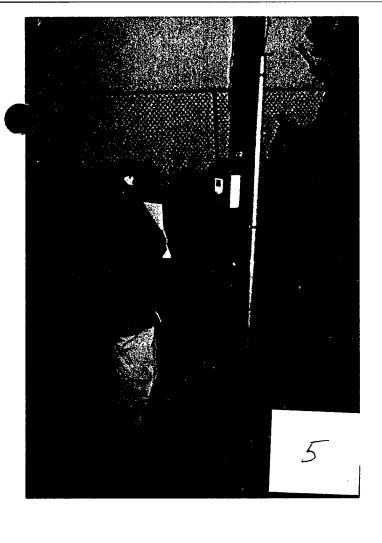
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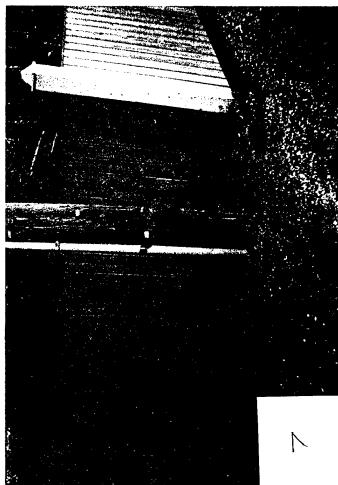
Sesachacha Pond		. 20	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
Atlantic Ocean	Quidnet, Nantucket	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark:	was flooded when Barrier	· · · · · · · · · · · · · · · · · · ·	
topped. Quidnet Road - pole #8 -	nail and paint and stake	at ground elevation.	
6 November 1991	S. Acone and G. Ha	nlon	
(Date obtained)	(Obta	ined by)	
(Name and address of pe	rson pointing out high w	atermark)	
Debris line			
(If not pointed out, how obtained?) (Date and hour	of high watermark)	
Low reliability			
(Elev. of high watermark) (Dat	um) (Benchmark ref	erred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstream) (Latitude and lo	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstream hydrograph, factors that previous flood heights at	might affect high waterm		
		·	

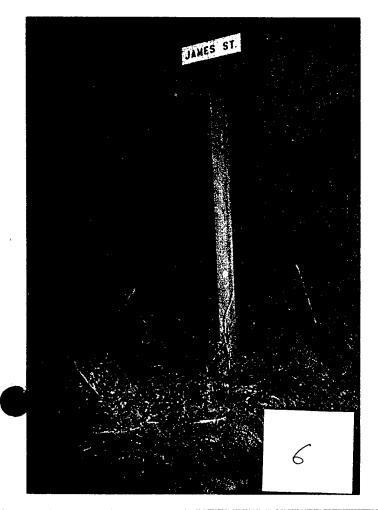
Atlantic Ocean		21	
(Name of River, Bay or Harbor)	(Miles from Mouth)	(Watermark No.)	
_	Siaconset, Nantucket	MA	
(Tributary of)	(City or Town)	(State)	
Description of high watermark:	Codfish Park Road - pole 🕯	7- paint and nail	
(about 6" up).			
			
6 November 1991	S. Acone and G.	Hanlon	
(Date obtained)	(Obta	ained by)	
(Name and address of p	person pointing out high v	vatermark)	
Debris line			
(If not pointed out, how obtained	(Date and hour	of high watermark)	
Medium reliability		•	
(Elev. of high watermark) (Da	tum) (Benchmark ref	ferred to) (Datum)	
(Elevation of high watermark above water surface)	(Date & Hour)	(Class. of watermark)	
(Elevation determined by)	(Date)	(Order of levels)	
(Nearest dam upstream or downstrea	m) (Latitude and lo	(Latitude and longitude of watermark)	
Remarks - (Failure of dams upstrea hydrograph, factors that previous flood heights a	might affect high watern	other points on ark, elevation of	
	·		
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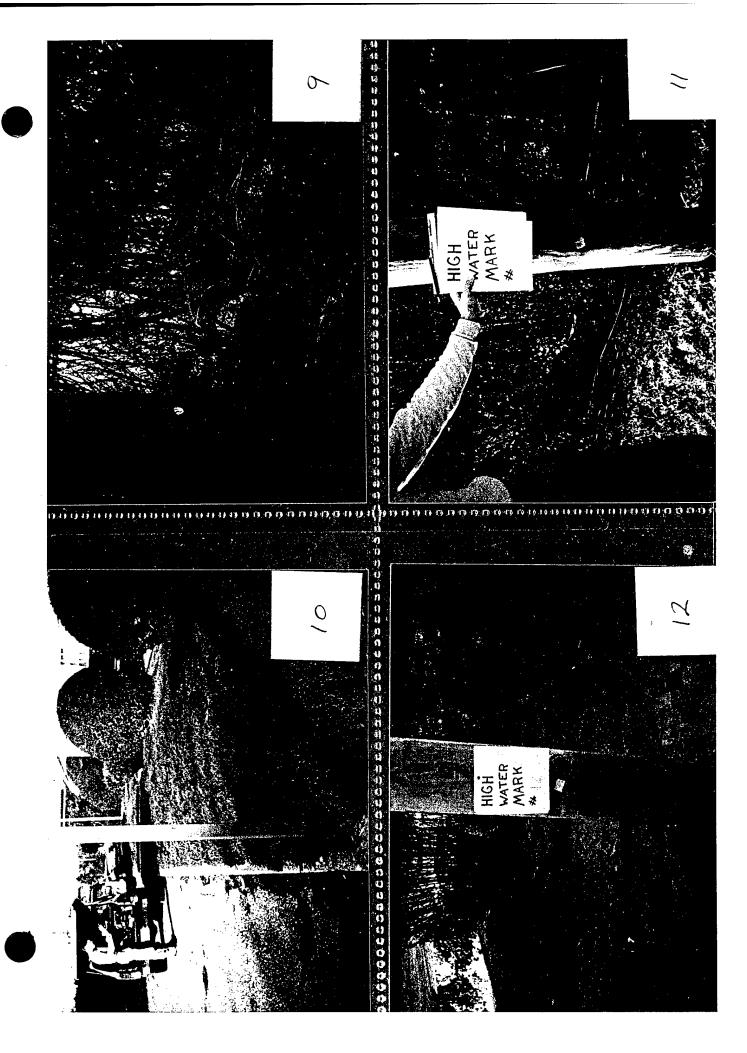


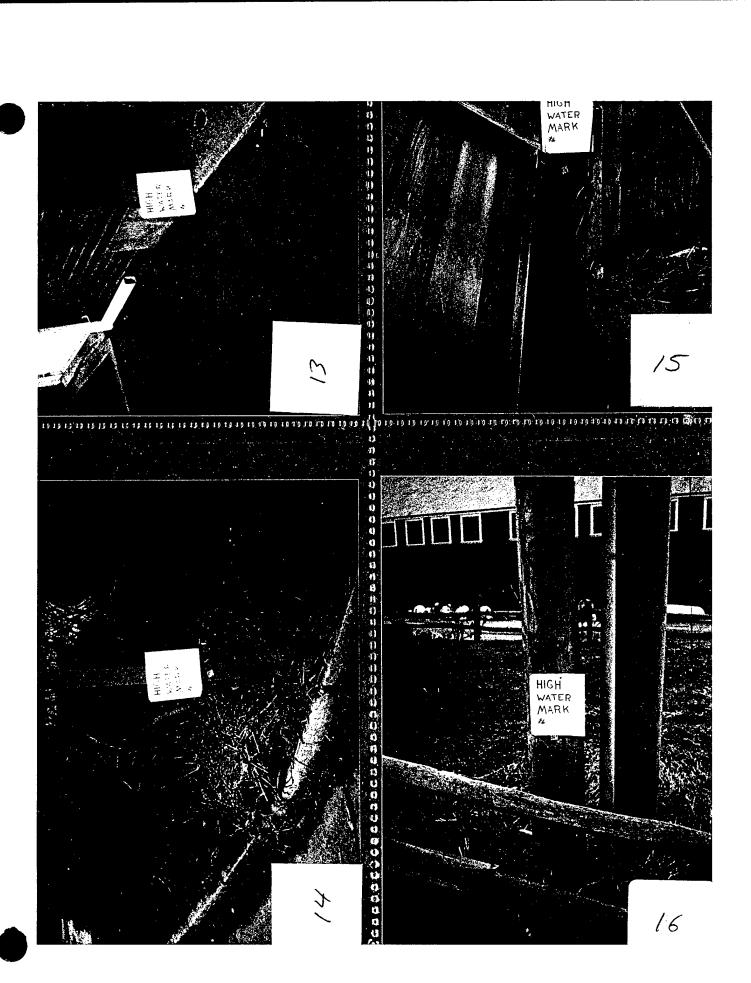


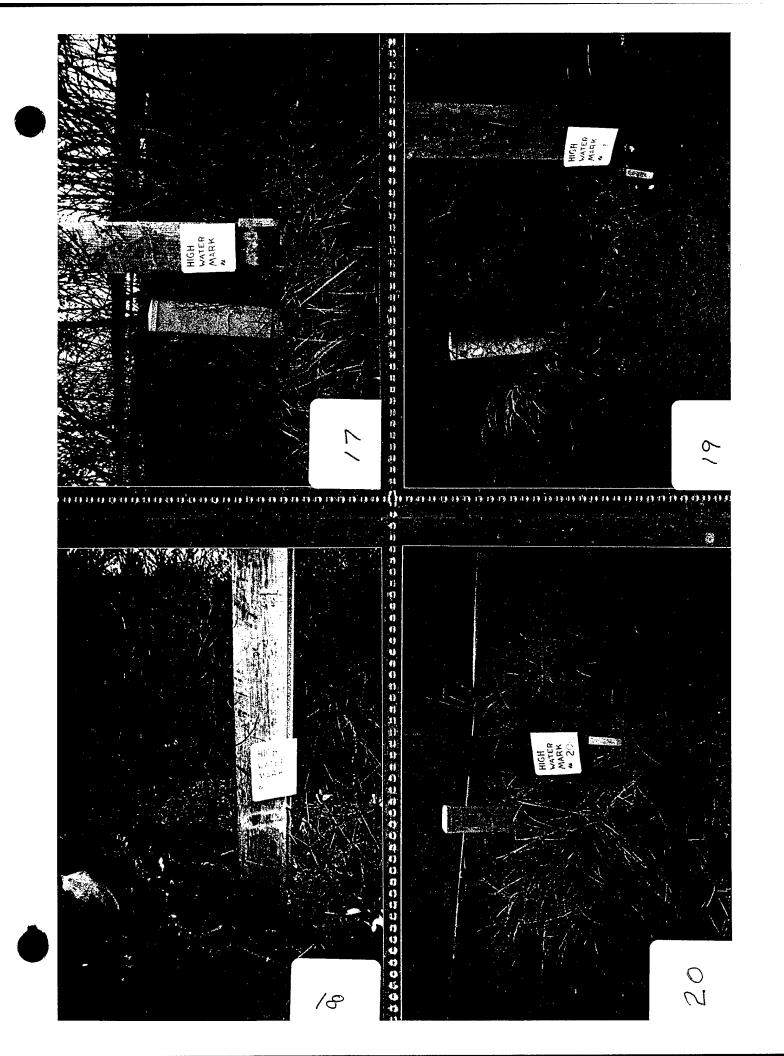


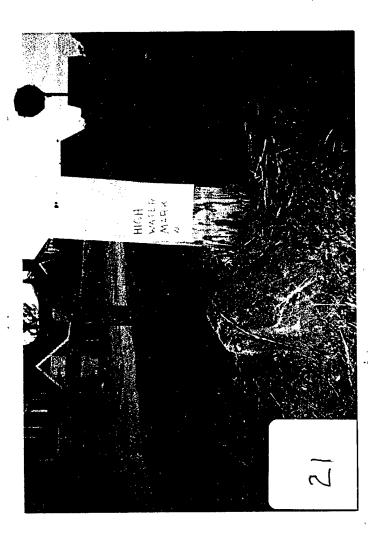


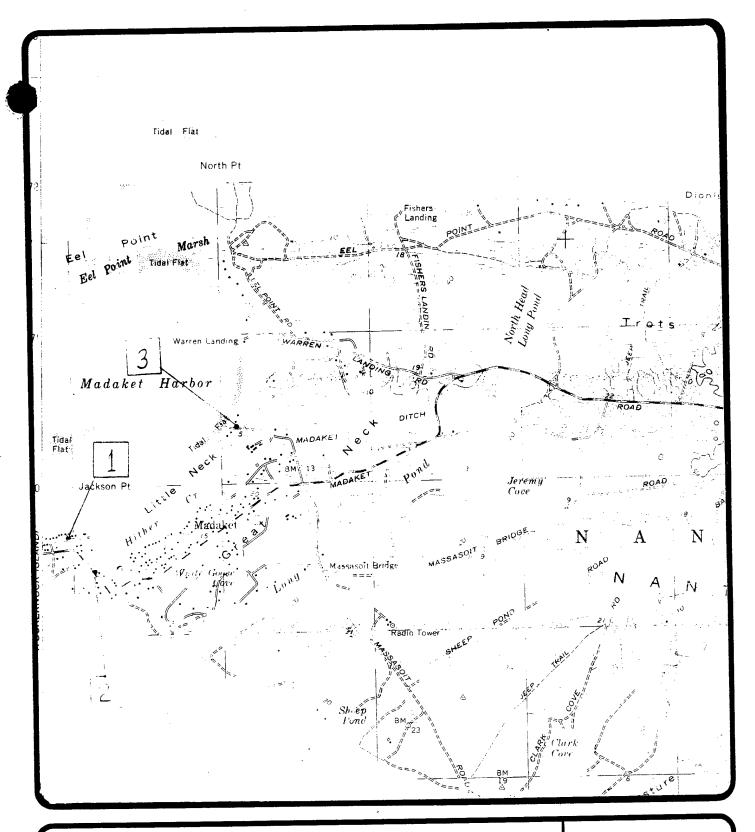












High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle -

Nantucket, MA.

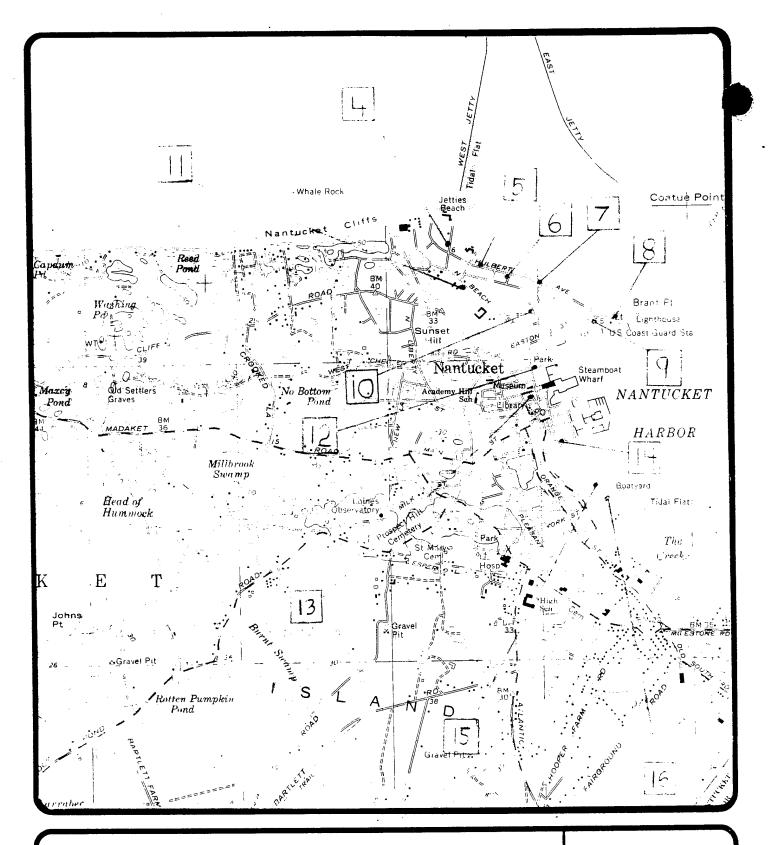
- 1991

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High Water Mark Location Map Halloween Storm, October, 1991

USGS 7.5 Minute Quadrangle - Nantucket, MA.

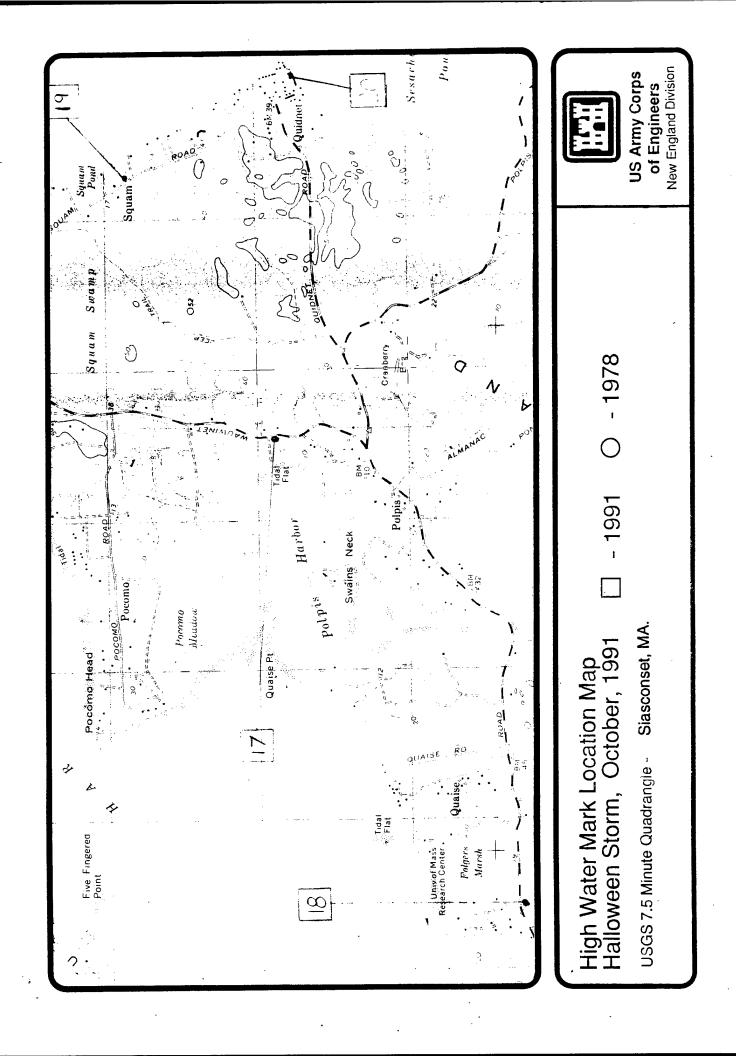
- 1991

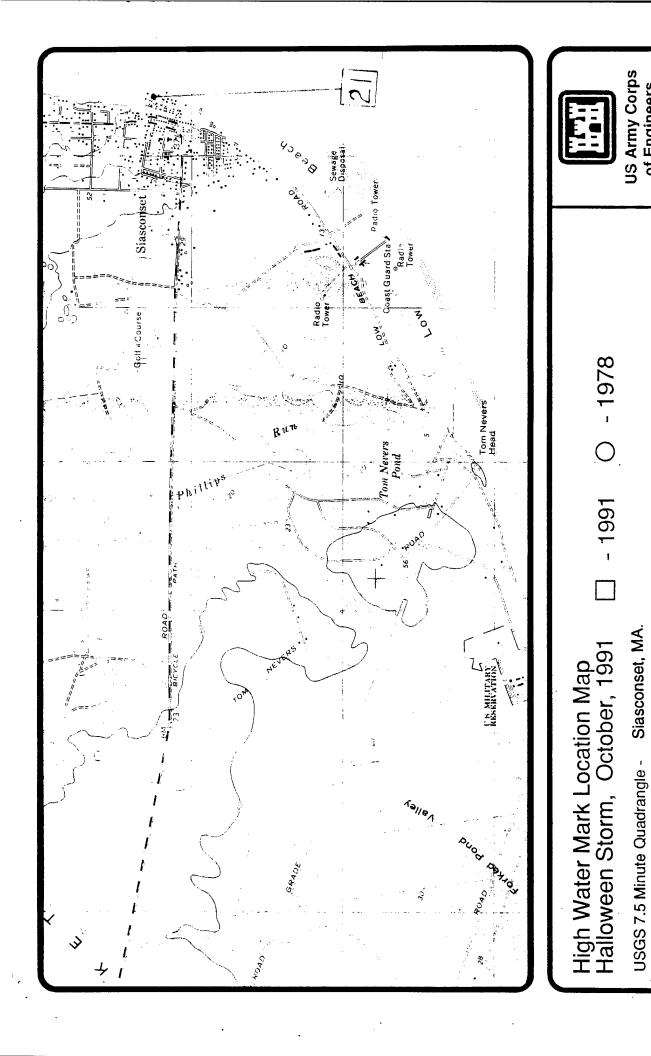
O - 1978

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