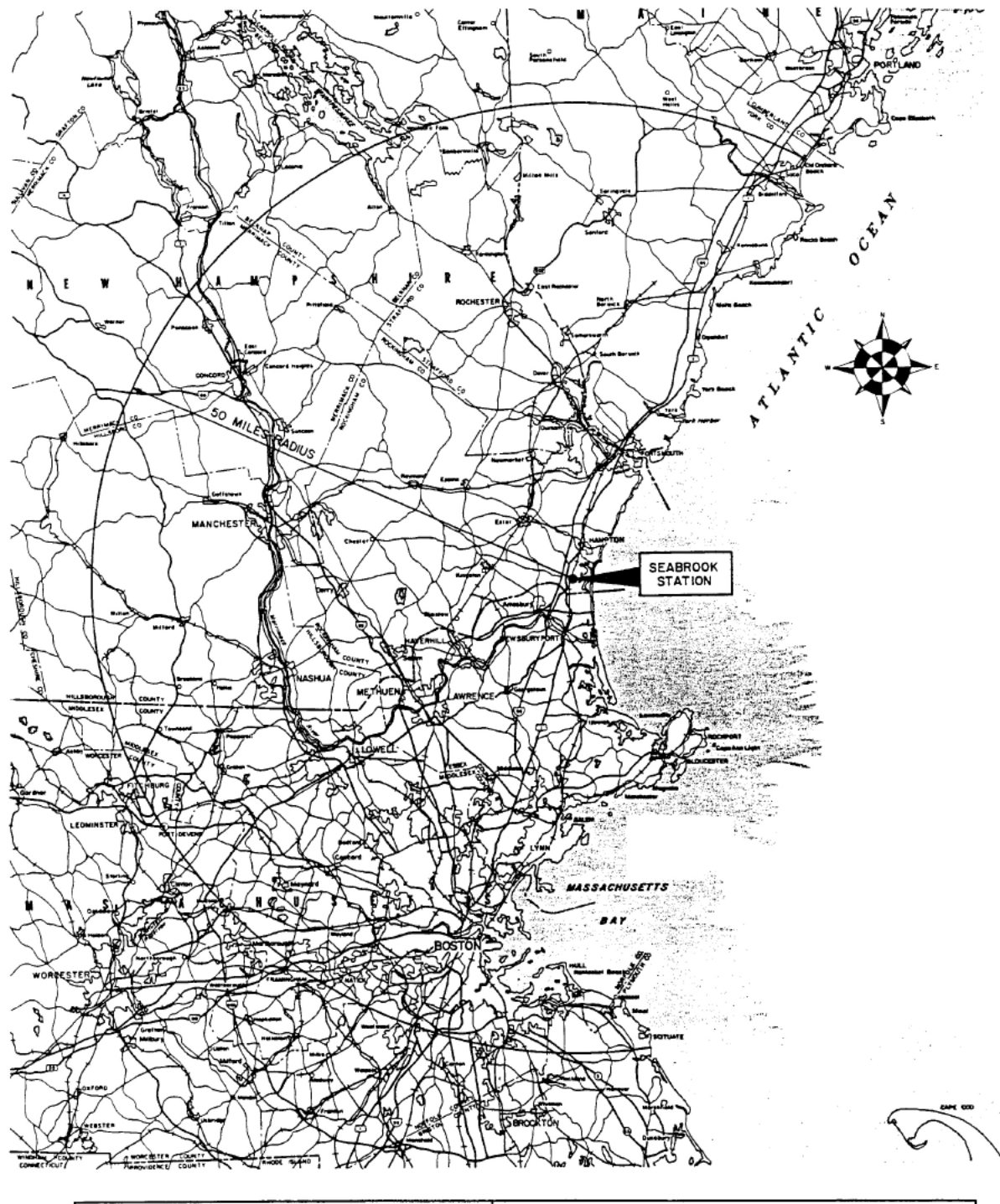
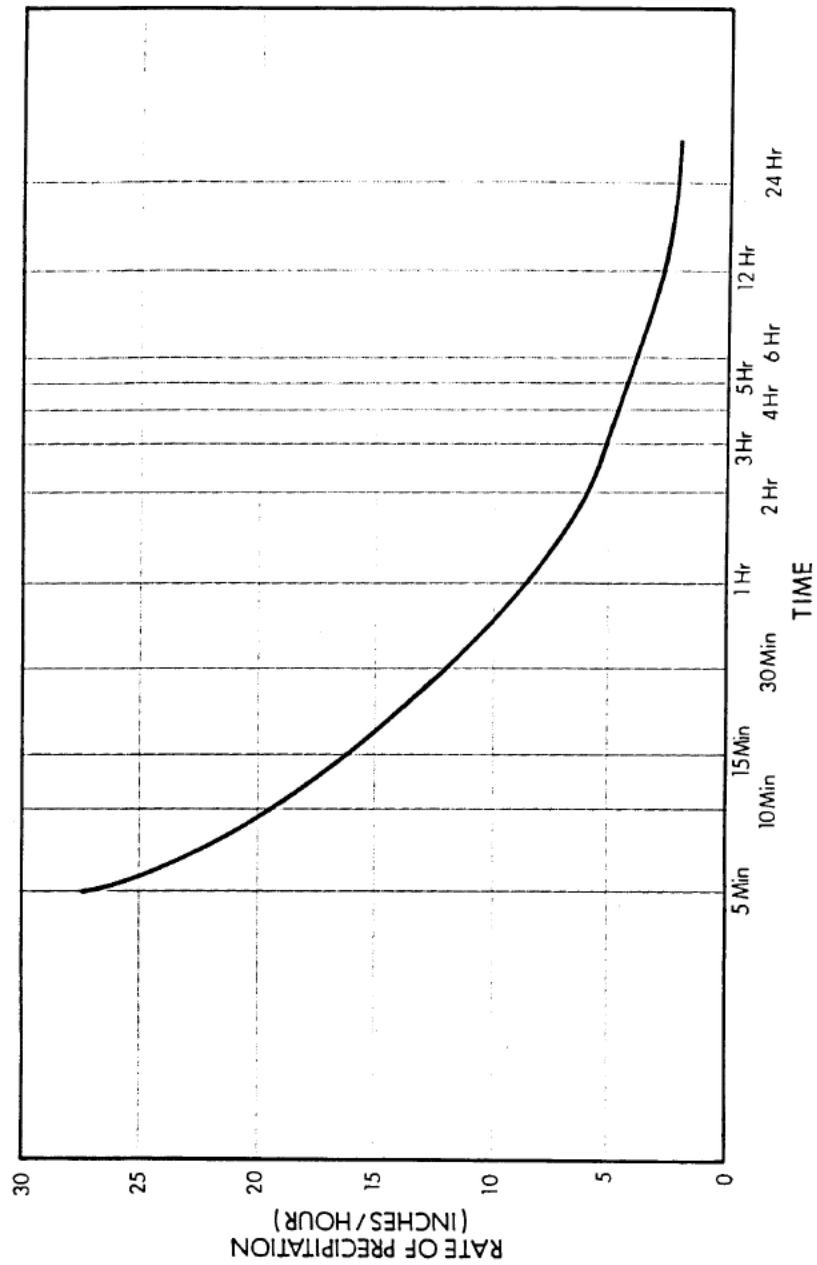


SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Site Topography and Plot Plan	
	Rev. 12	Figure 2.4-1

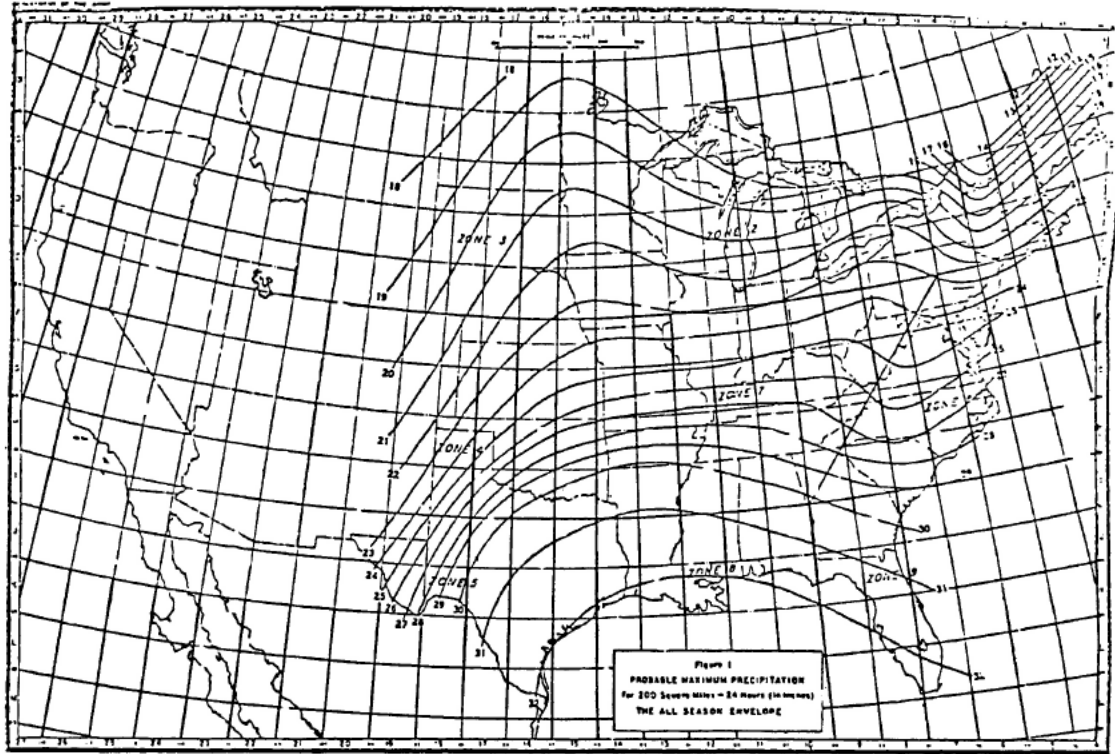


SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Topographic Map Depicting Major Hydrologic Features of Region	
		Figure 2.4-2



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Time Incremental Distribution of Local PMP	
		Figure 2.4-3



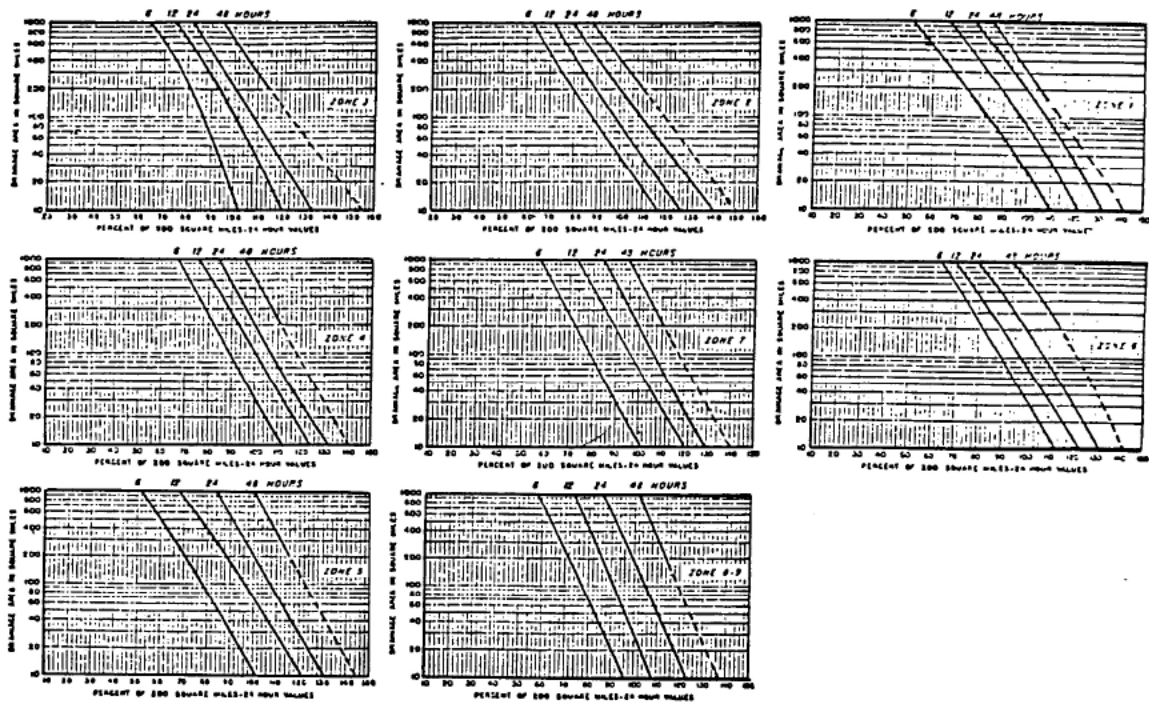


REFERENCE: Figure 1 of Riedel, J.T., J. F. Appleby, and R. W. Schloemer, April 1956, "Seasonal Variation of the Probable Maximum Precipitation East of the 105th Meridian for Areas from 10 to 1000 Square Miles and Durations of 6, 12, 24 and 48 Hours," Hydrometeorological Report No. 33, U. S. Department of Commerce.

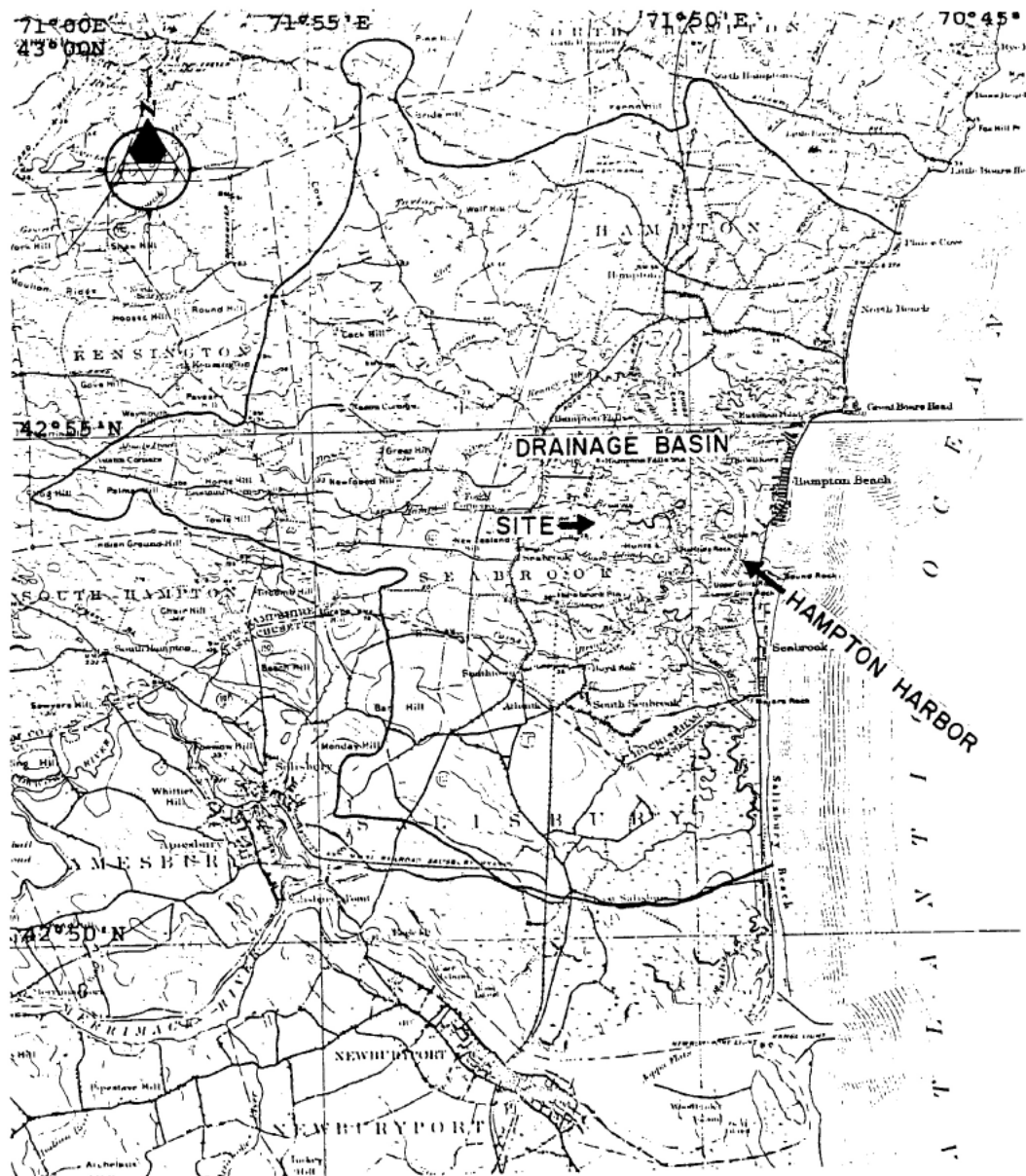
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Probable Maximum Precipitation for 200 Square Miles - 24  
Hours (in Inches) - The All Season Envelope

Figure 2.4-4



REFERENCE: Figure 2 of Riedel, J.T., J. F. Appleby, and R. W. Schloemer, April 1956, "Seasonal Variation of the Probable Maximum Precipitation East of the 105th Meridian for Areas from 10 to 1000 Square Miles and Durations of 6, 12, 24 and 48 Hours," Hydrometeorological Report No. 33, U. S. Department of Commerce.



REFERENCE: Portion of USGS Topographic Map  
Exeter, New Hampshire-Mass.

Scale: 1:62,500

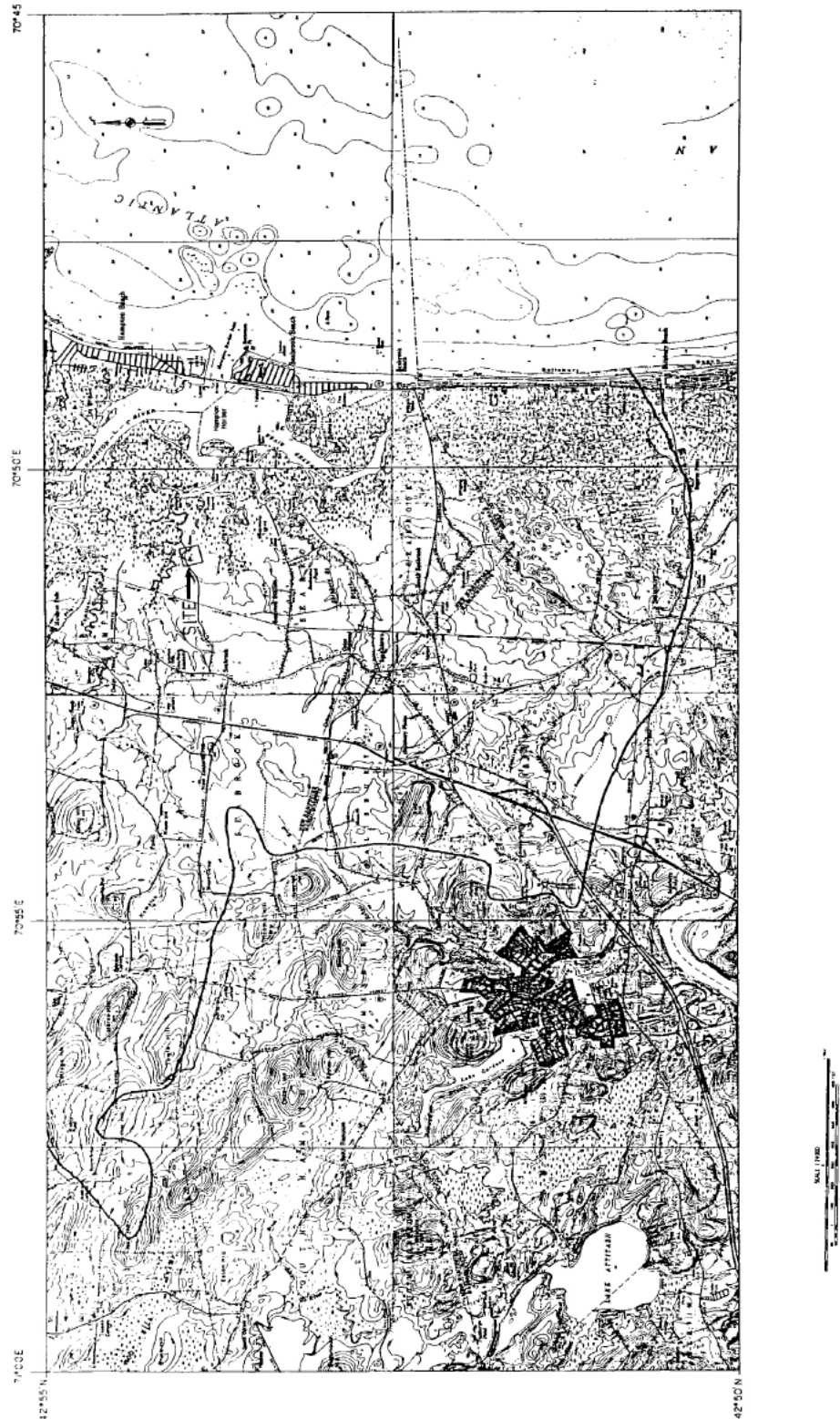
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Hampton Harbor Drainage Basin

Figure 2.4-6





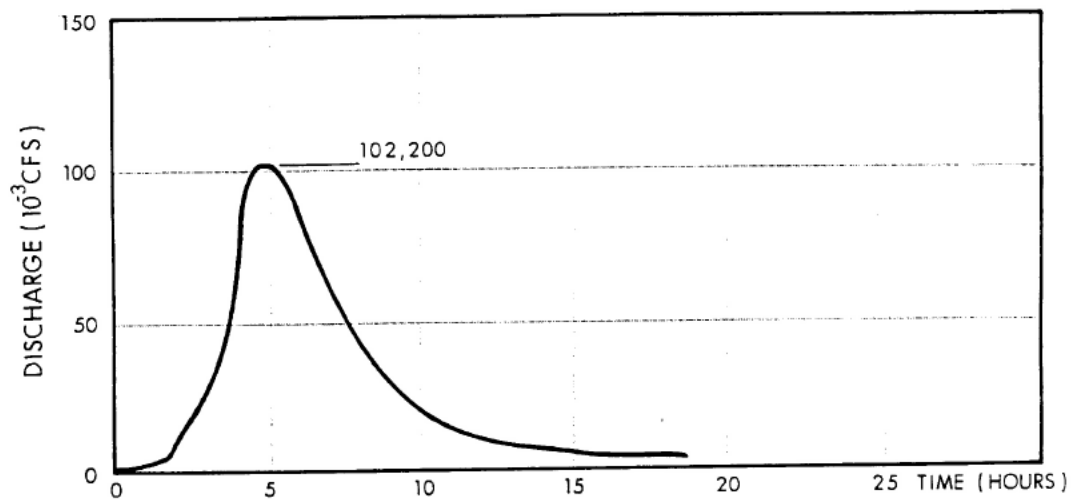


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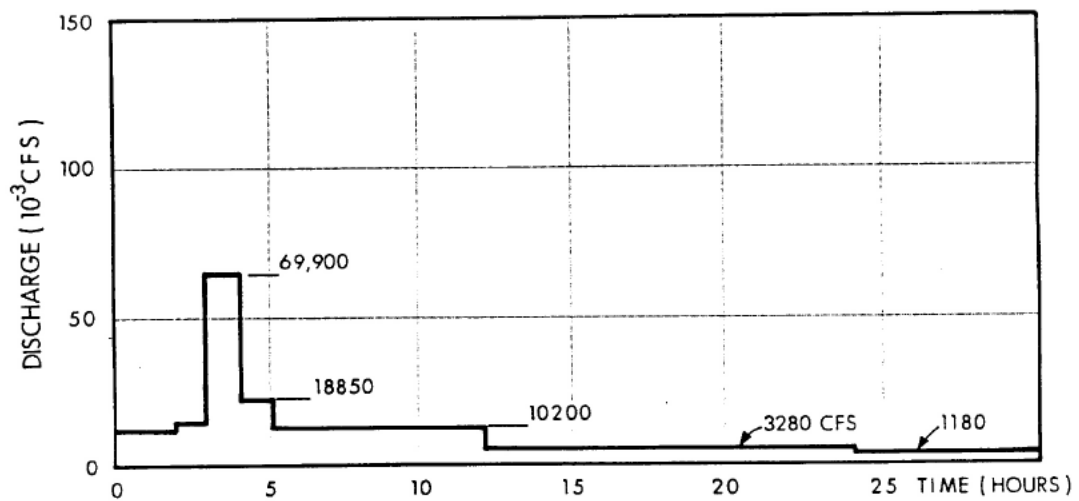
Hampton Harbor Drainage Basin – Detailed Topography  
[2 Sheets]

Figure 2.4-7 Sh. 2 of 2

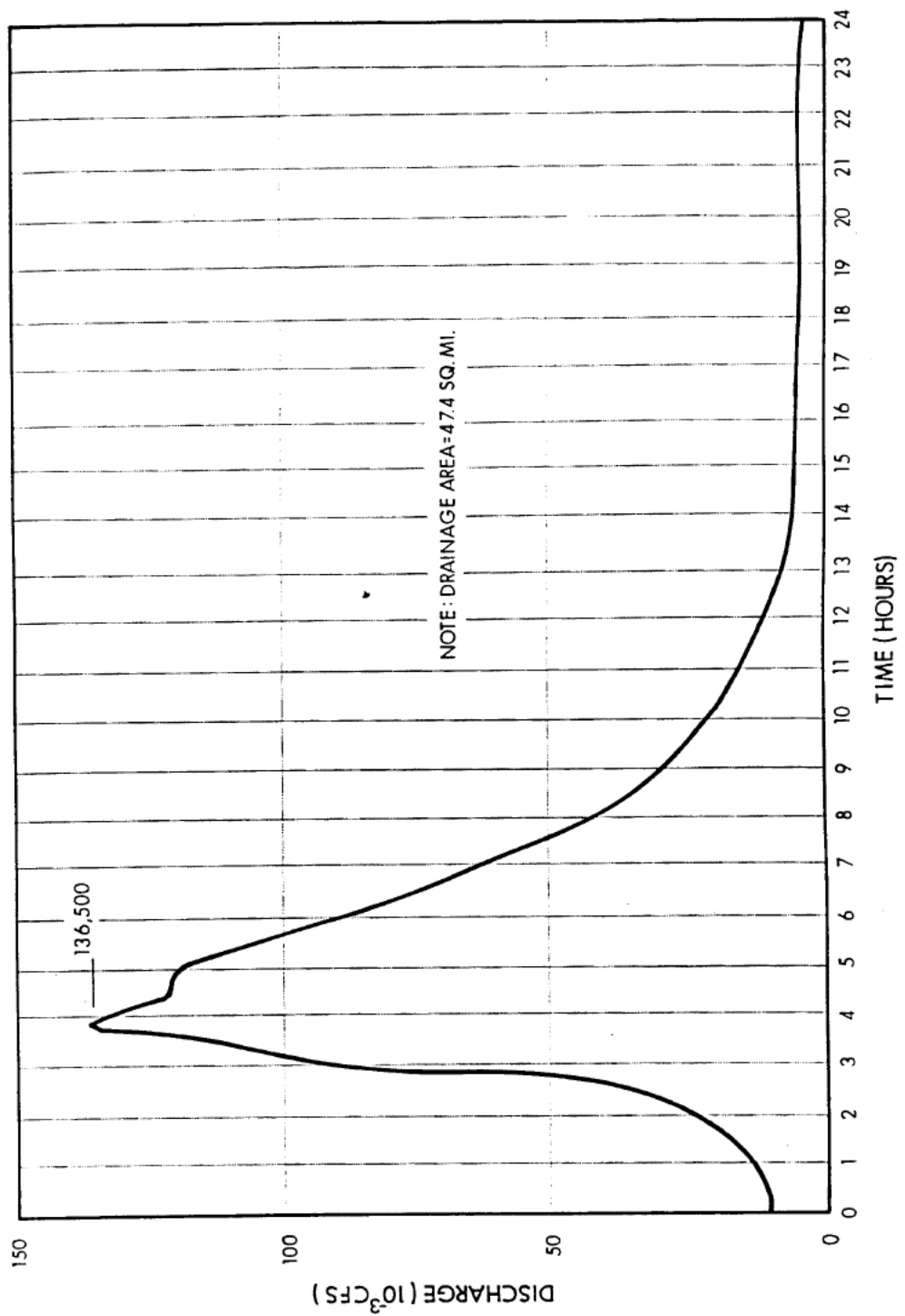




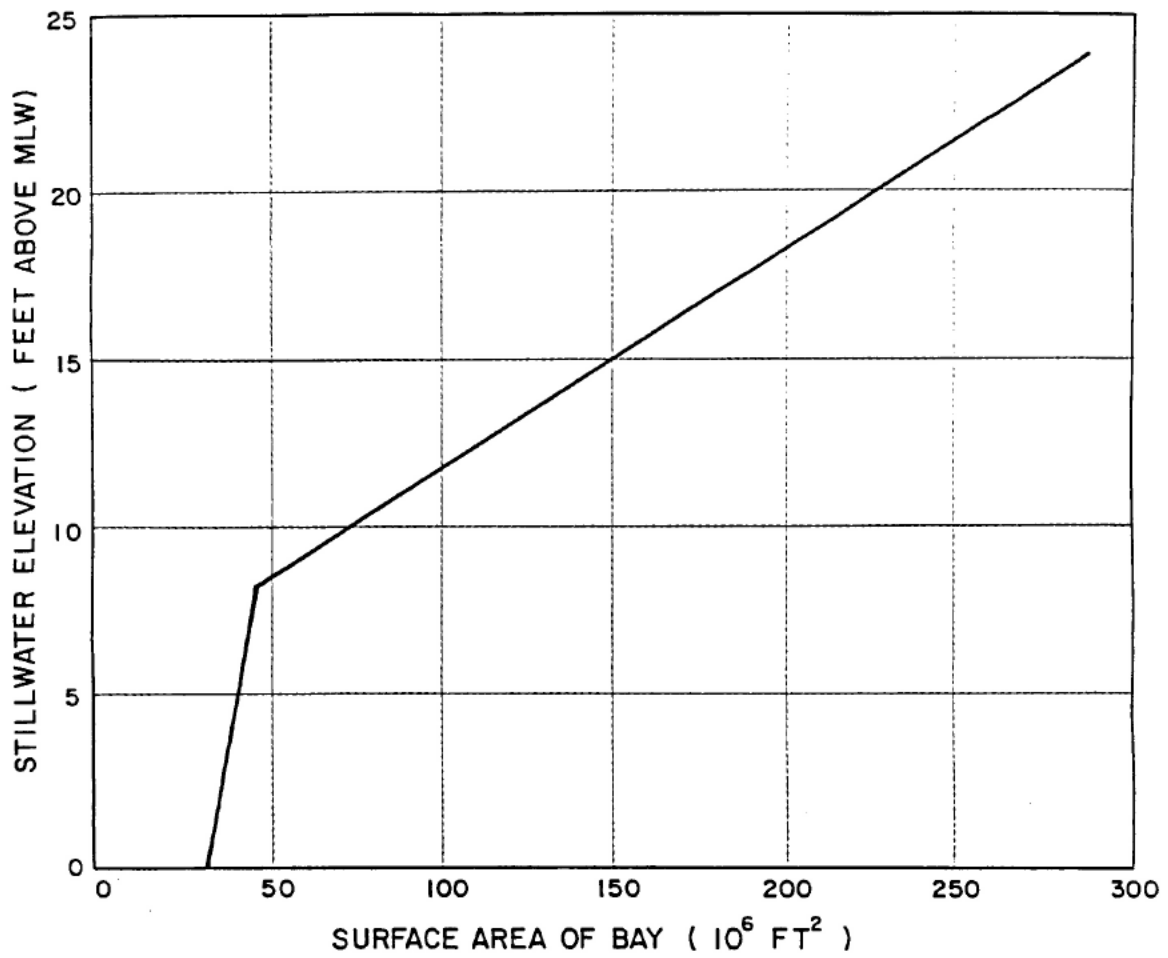
(A) NATURAL DRAINAGE AREA (35.2 SQ. MILES)



(B) SUBMERGED AREA

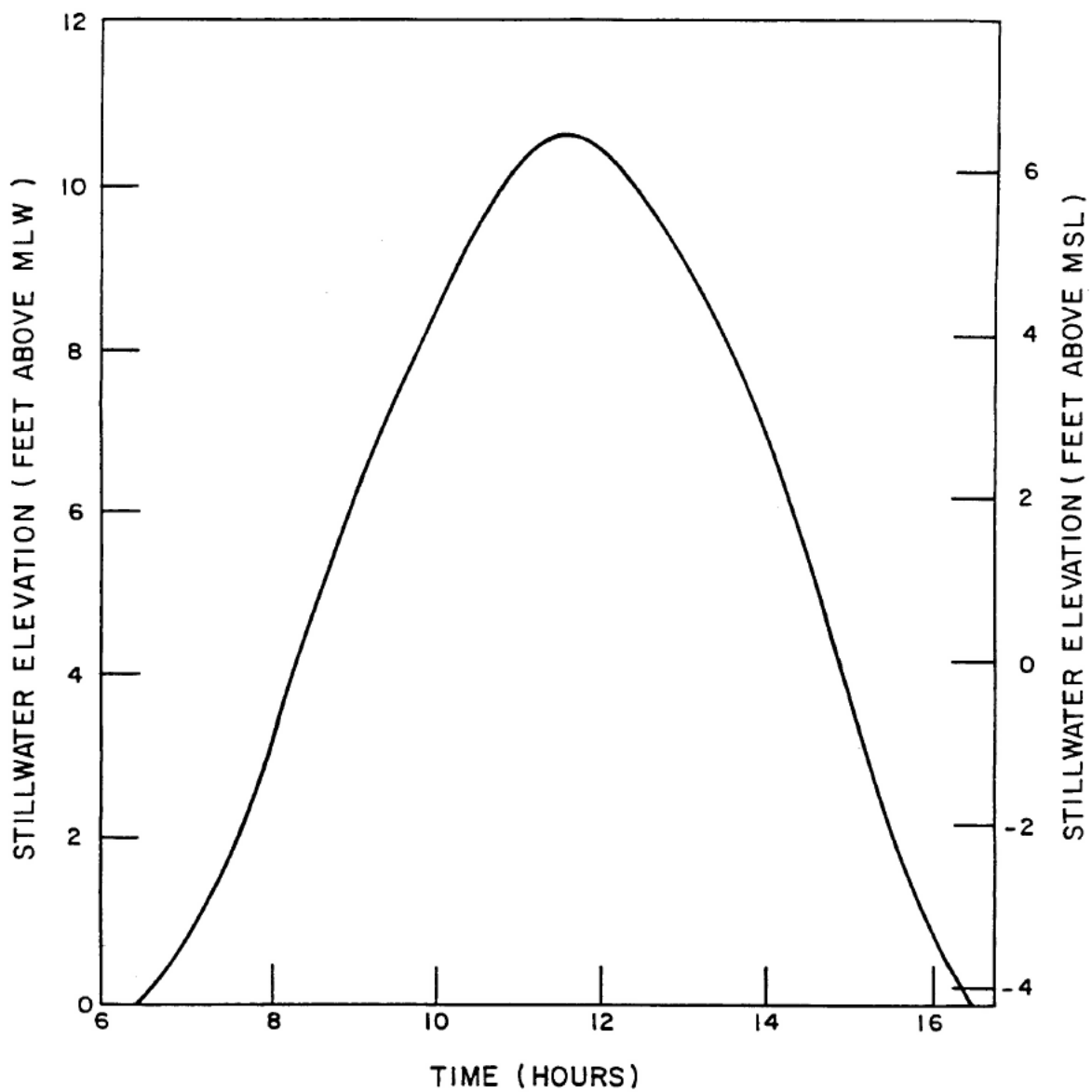


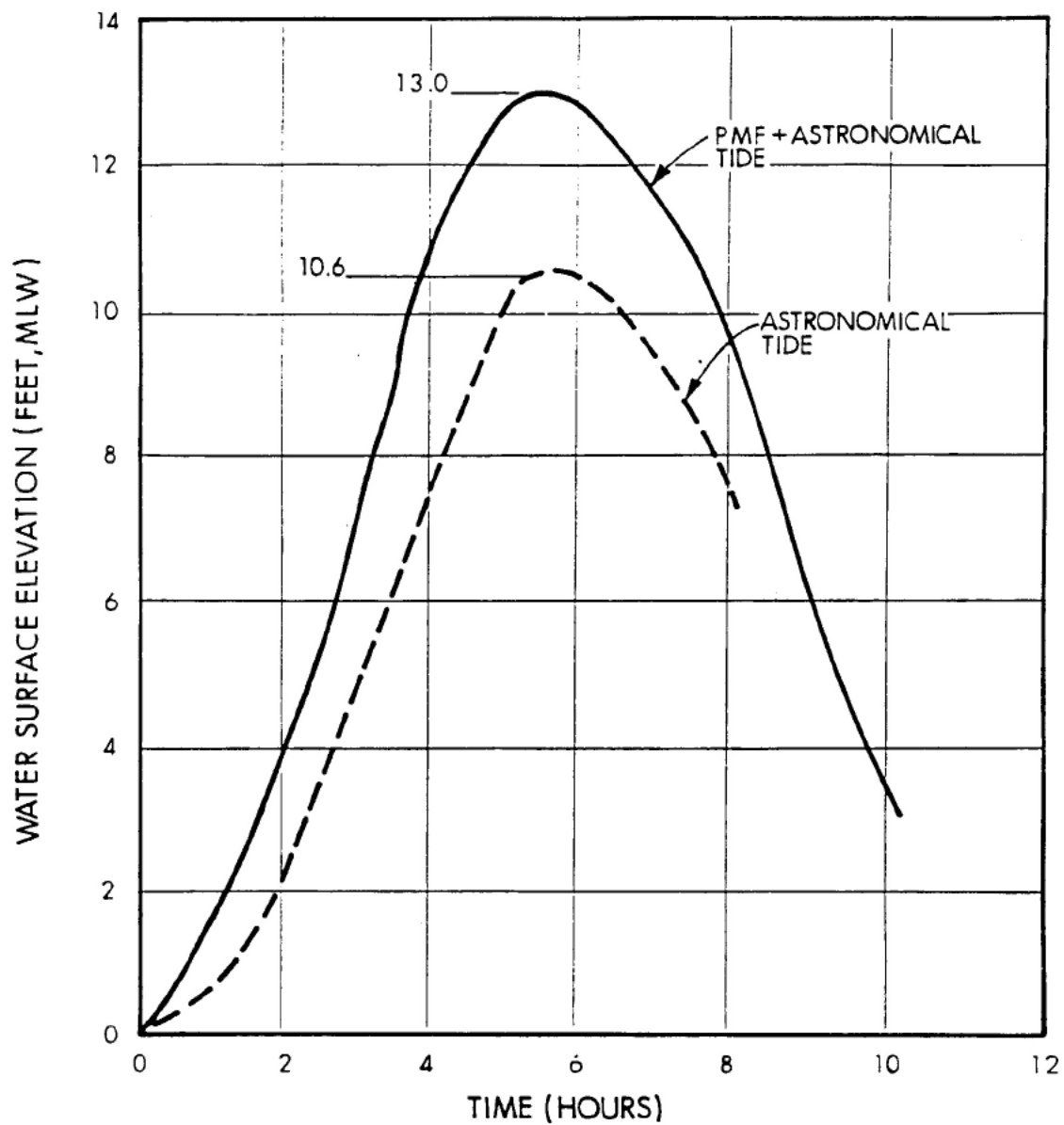
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	PMF Discharge Hydrograph	
		Figure 2.4-9



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Hampton Harbor Surface Area vs. Elevation	
		Figure 2.4-10



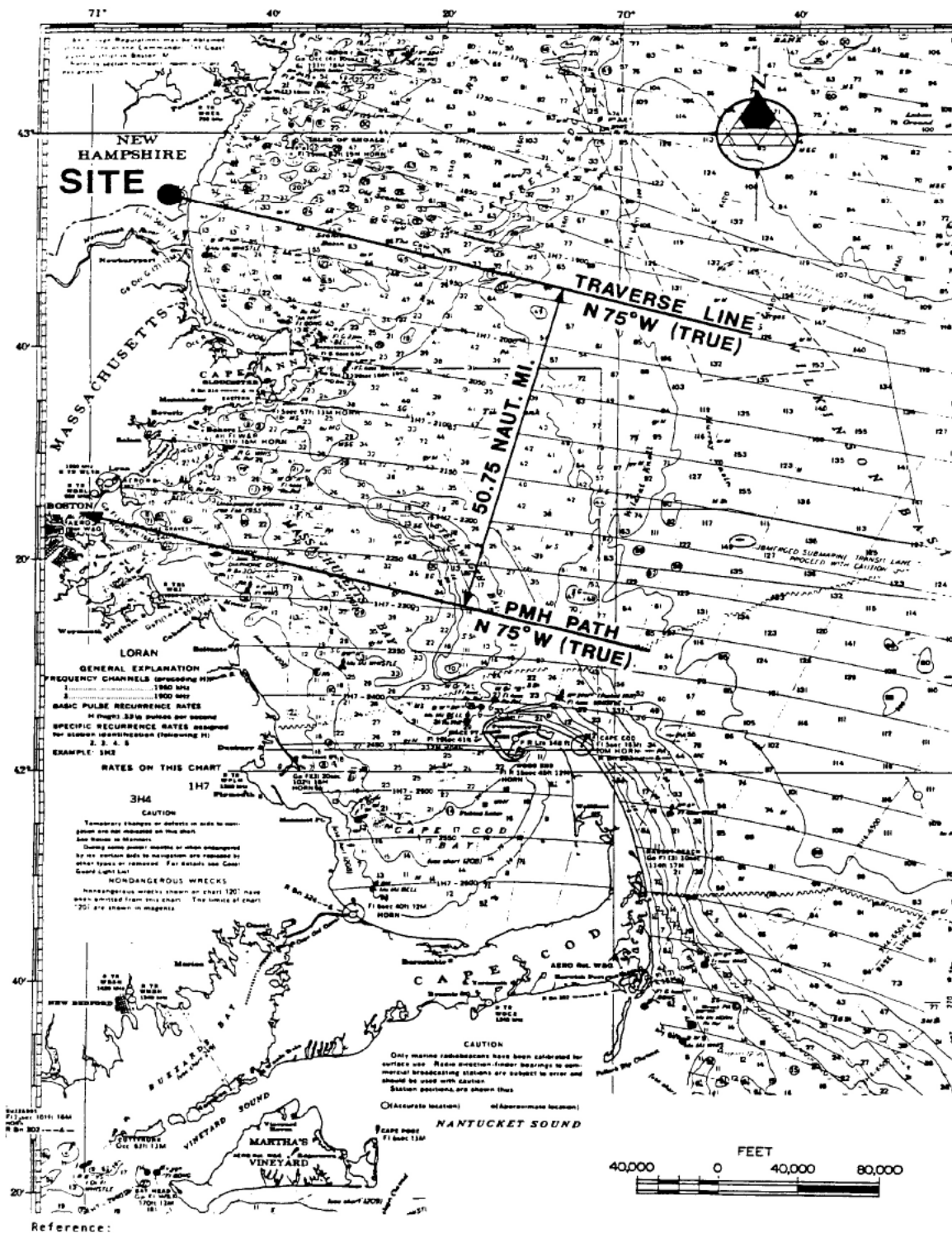




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Hampton Harbor PMF Hydrograph

Figure 2.4-12

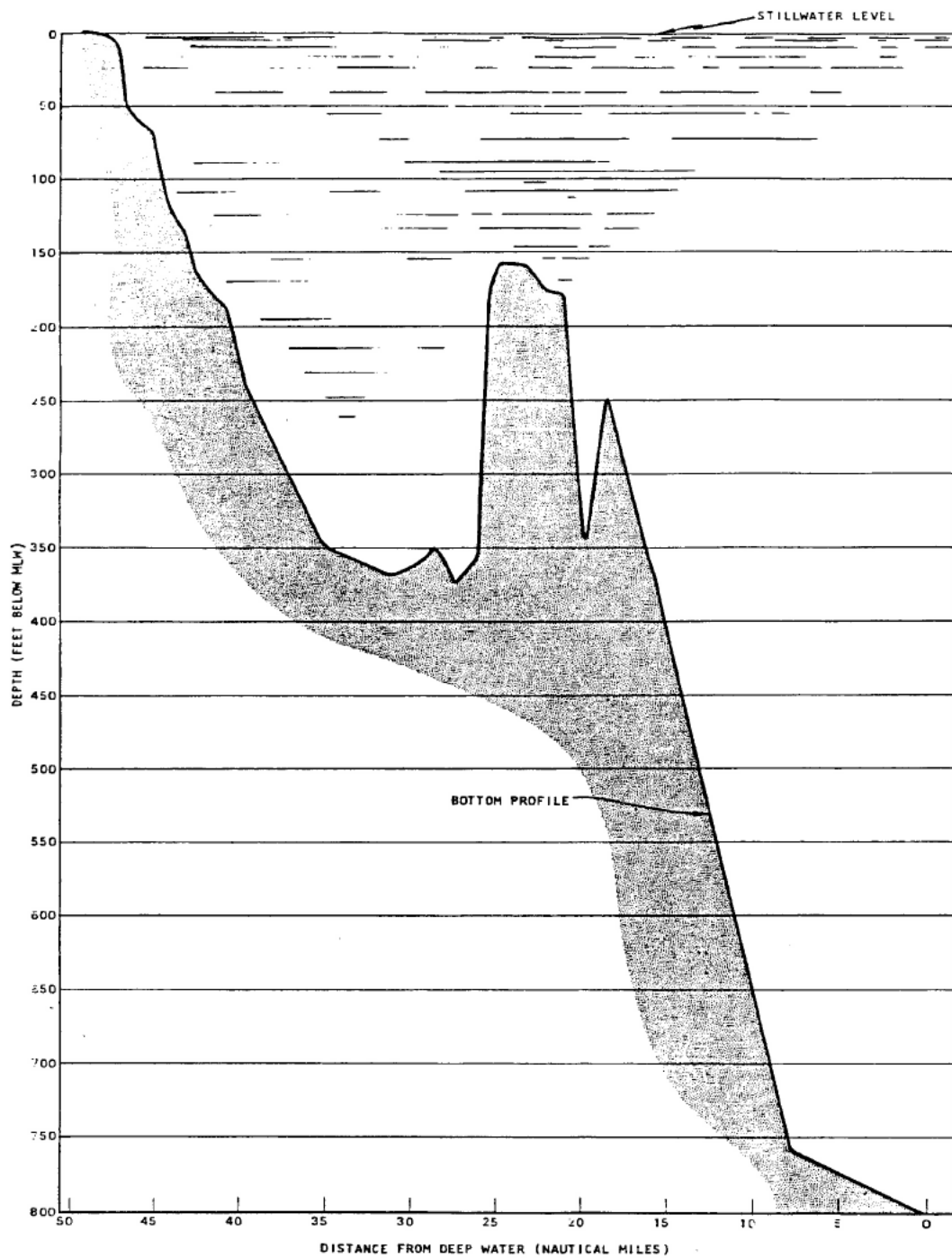


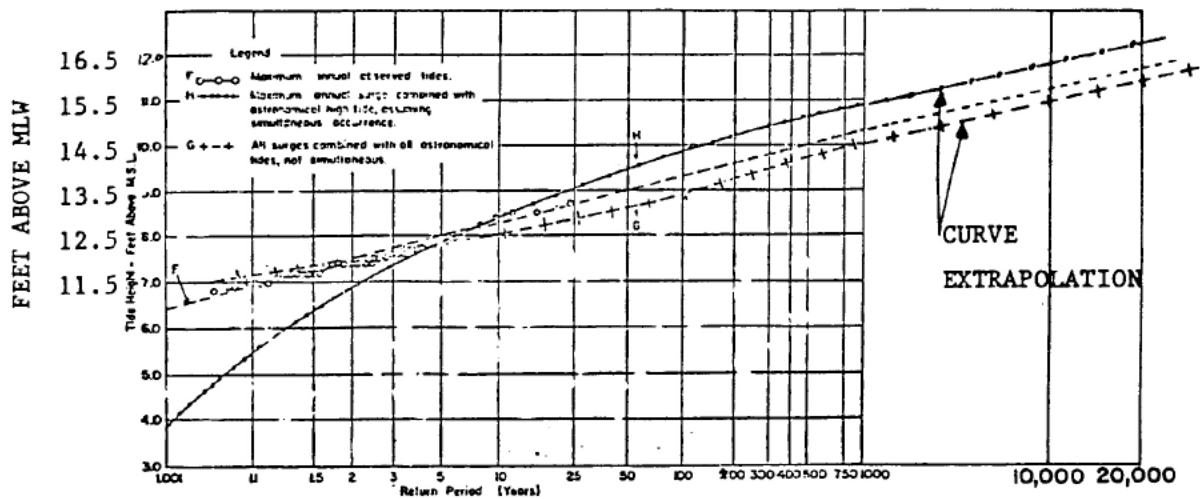
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PMH Path

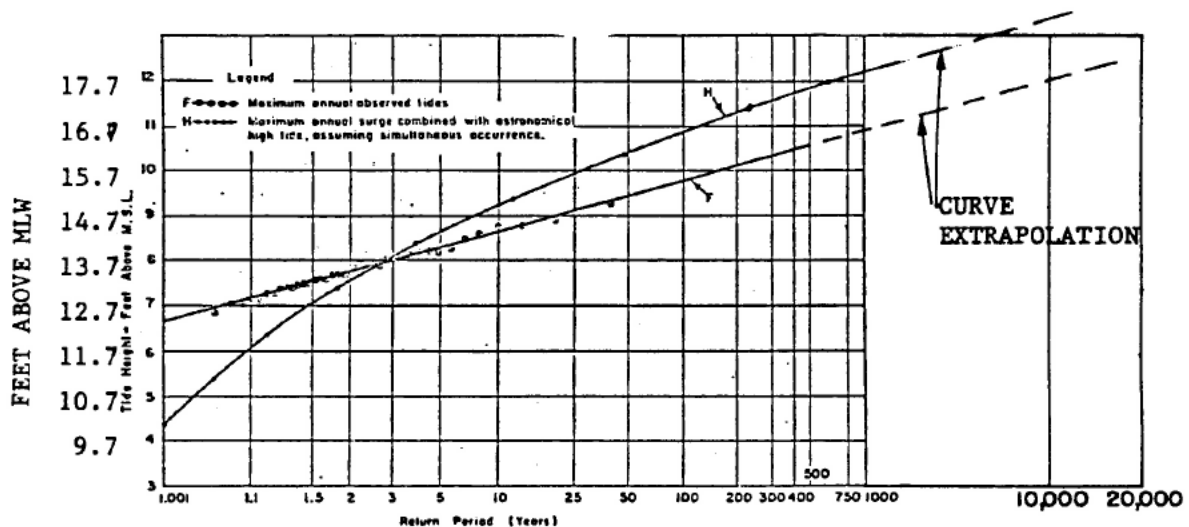
Figure 2.4-13







Estimated probability of extreme high tide height at Portland,  
Maine. (Based on data for 1914-1959.)



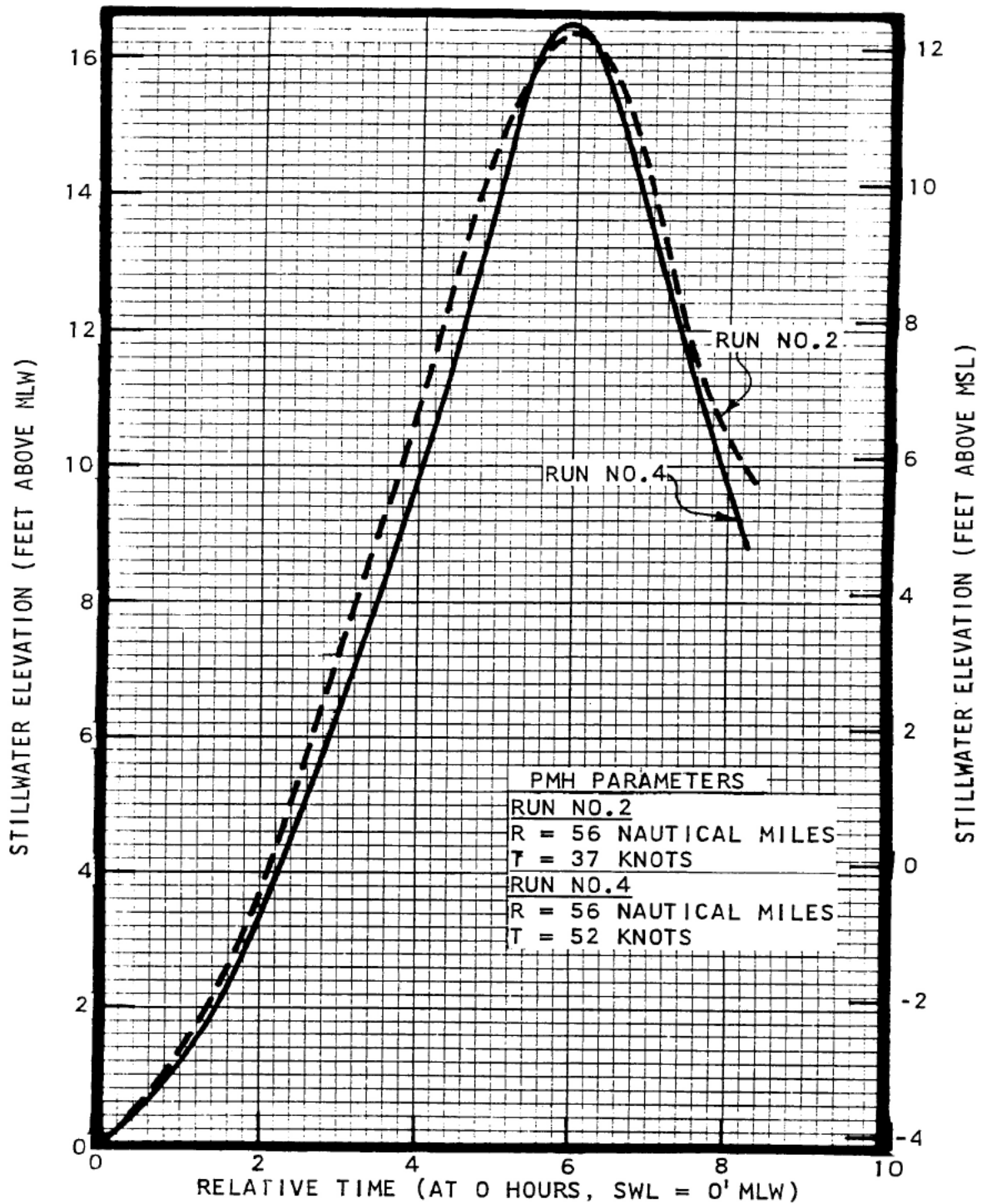
Estimated probability of extreme high tide height at Boston,  
Mass. (Based on data for 1922-1960)

REFERENCE: Figures 26 and 27 of U. S. Weather Bureau Hydrometeorological  
Section, "Criteria for a Standard Project Northeaster for New England  
North of Cape Cod," National Hurricane Research Project Report #68,  
1964.

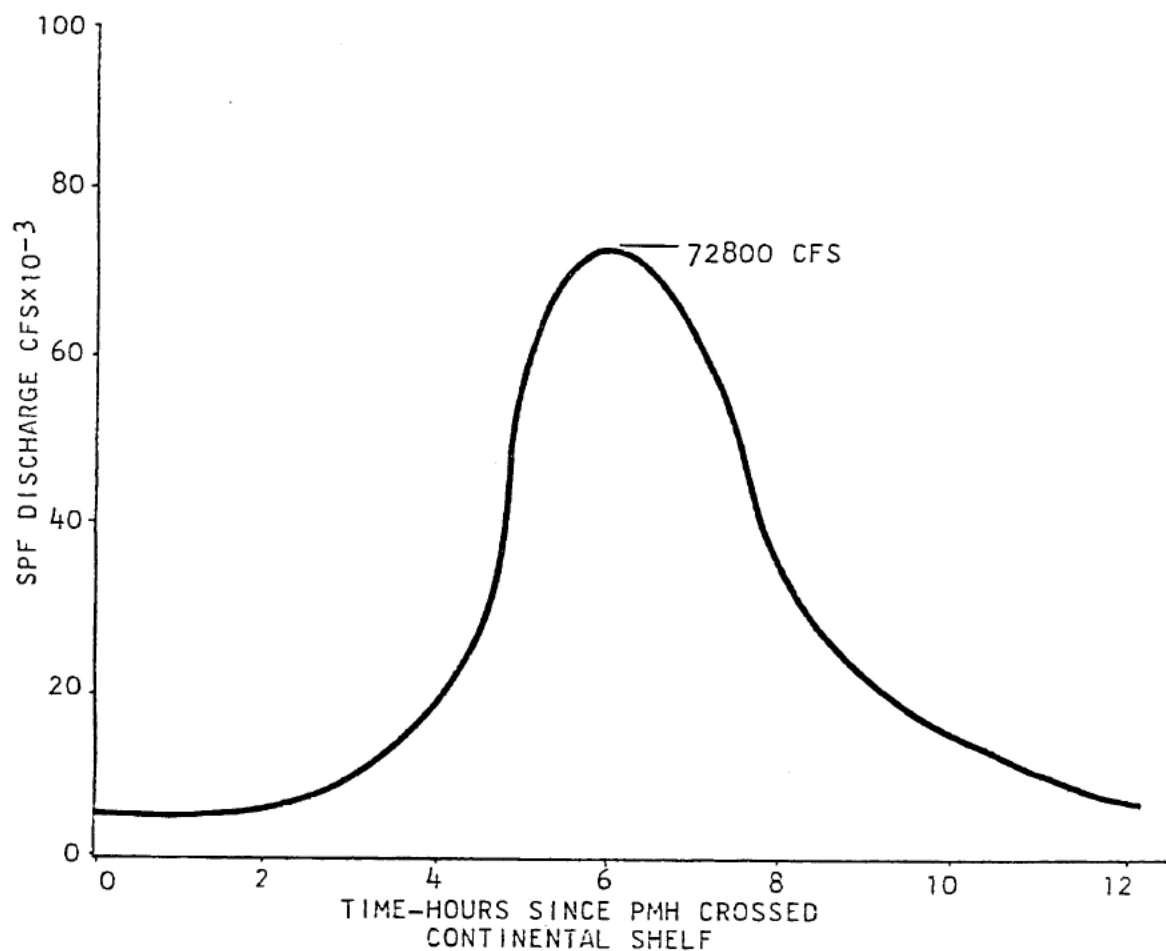
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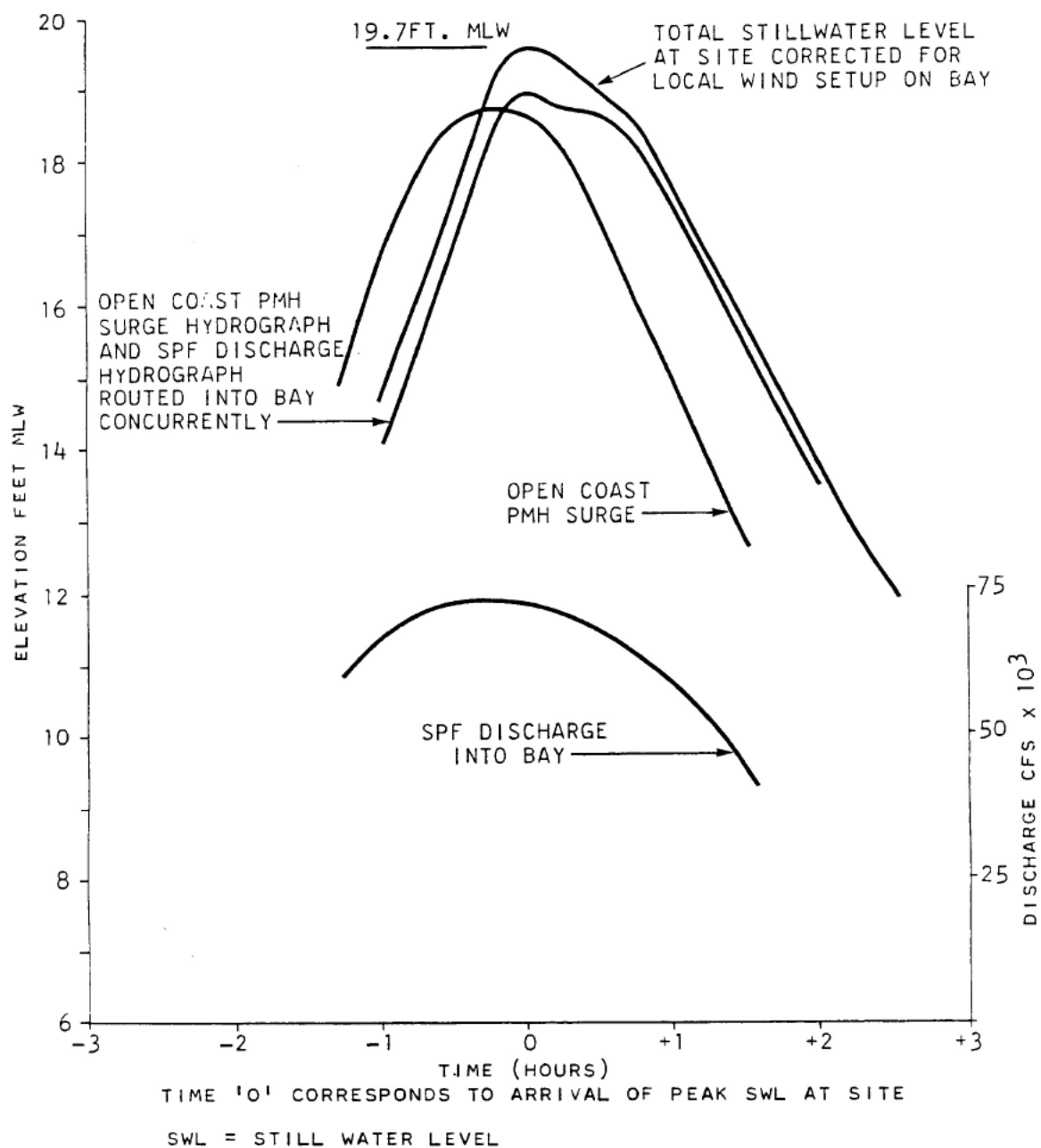
Estimated Probability of Extreme High Tide at Portland,  
Maine and Boston, Mass.

Figure 2.4-15

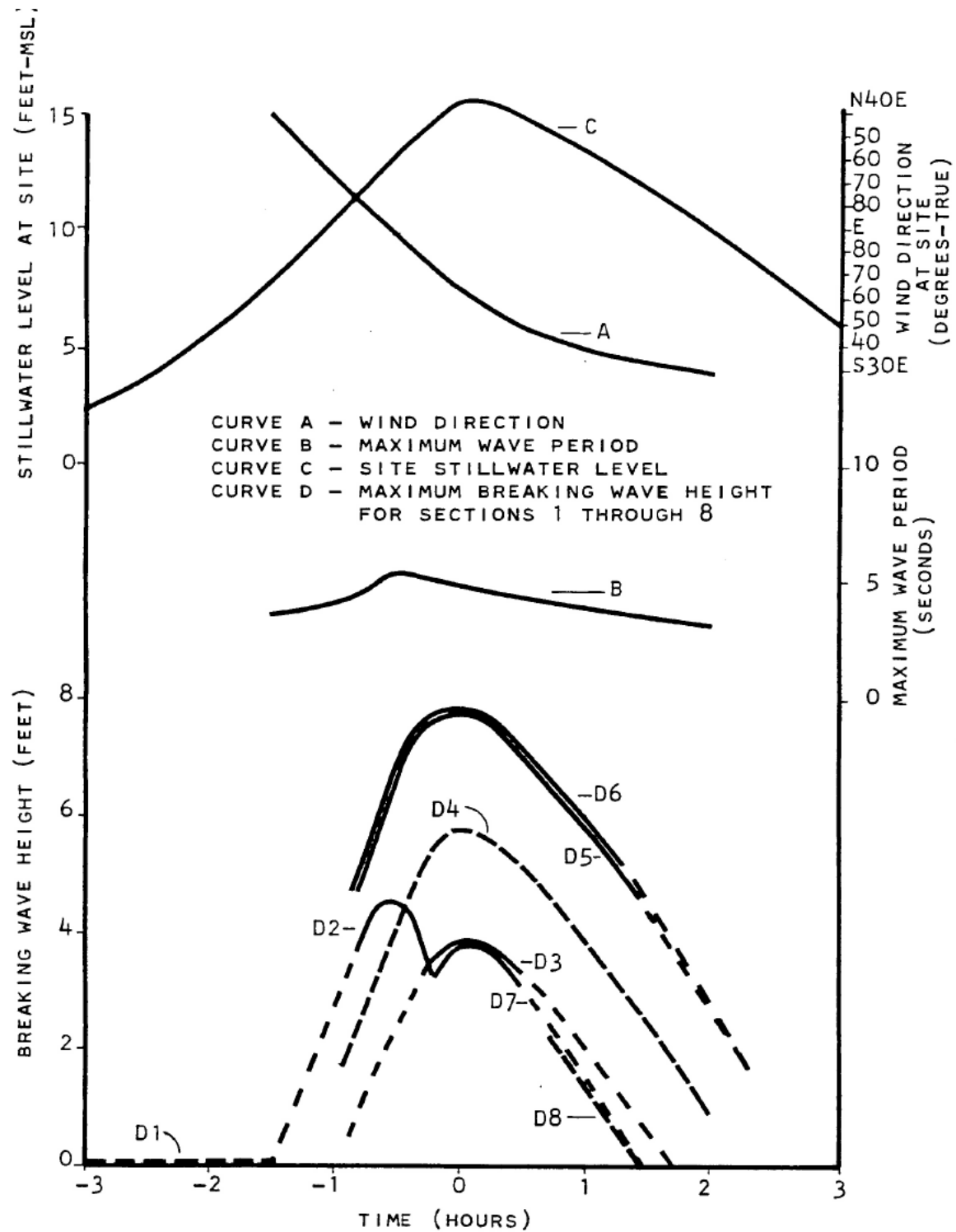








SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Resultant PMH and SPF Stillwater Levels	
		Figure 2.4-18



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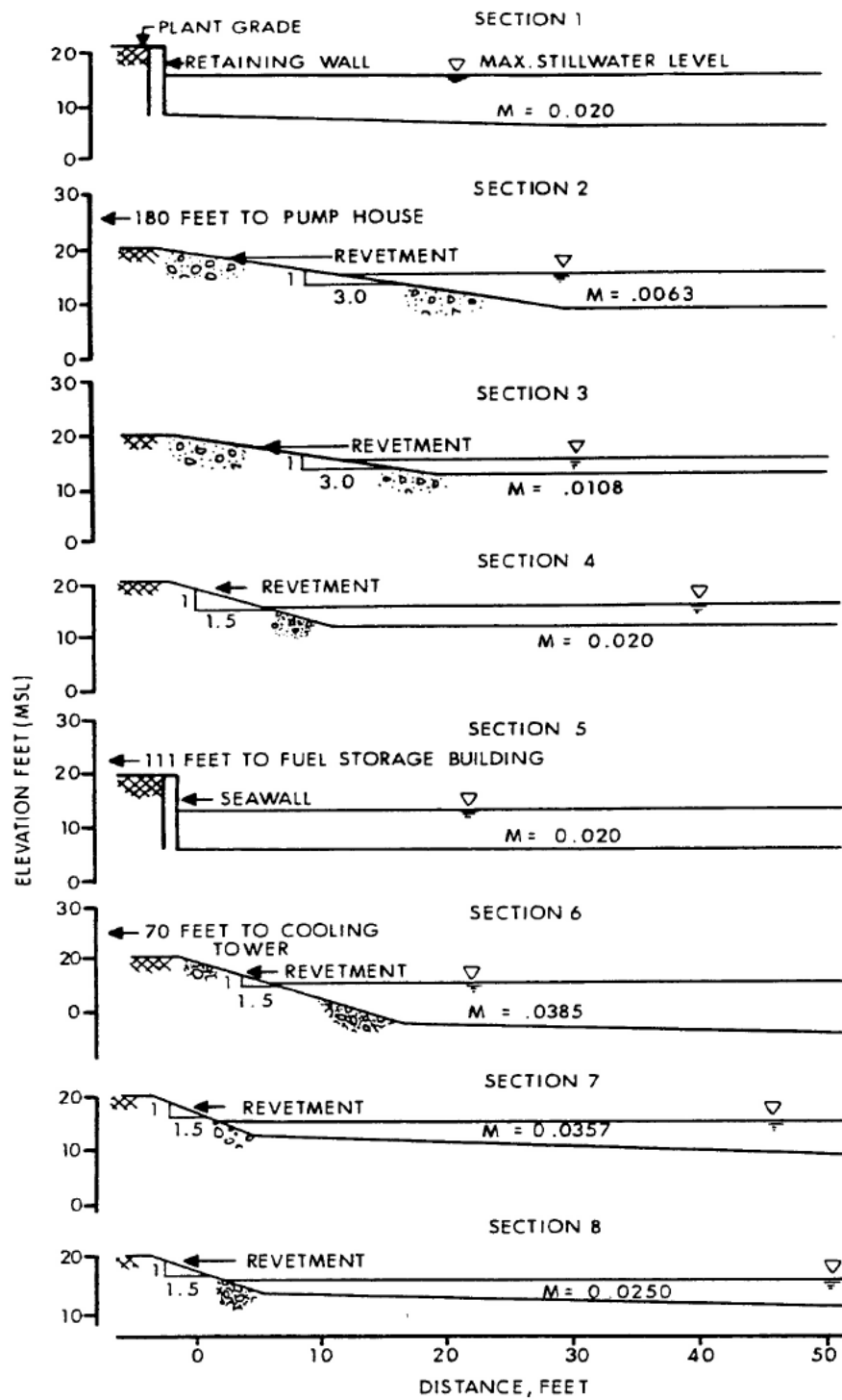
Design Wave Heights, Periods and Waterlevels

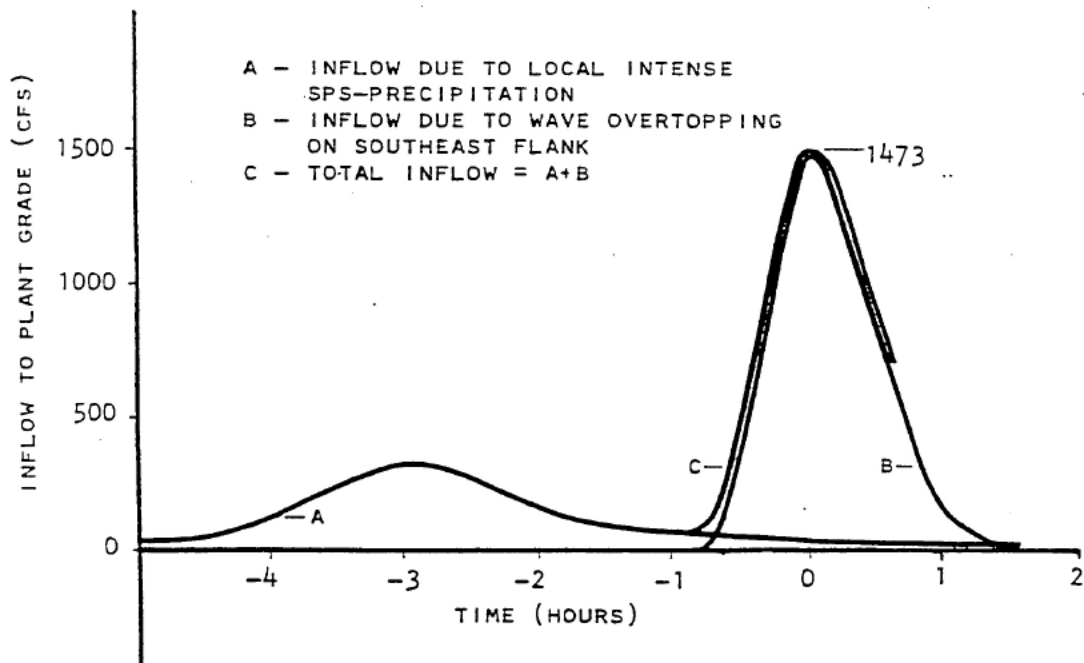
Figure 2.4-19



SECURITY-RELATED INFORMATION – WITHHELD  
UNDER 5 USC SECTION 552(b)(4) AND 5 USC SECTION  
552(b)(7)(F)

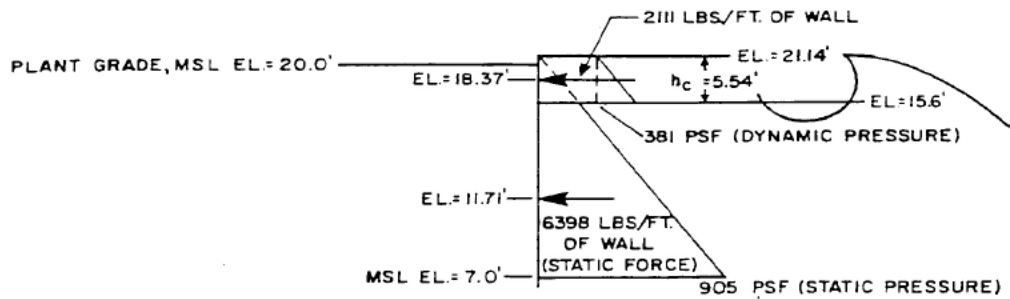
SECURITY-RELATED INFORMATION – WITHHELD  
UNDER 5 USC SECTION 552(b)(4) AND 5 USC SECTION  
552(b)(7)(F)







SECURITY-RELATED INFORMATION –  
WITHHELD UNDER 5 USC SECTION 552(b)  
(4) AND 5 USC SECTION 552(b)(7)(F)



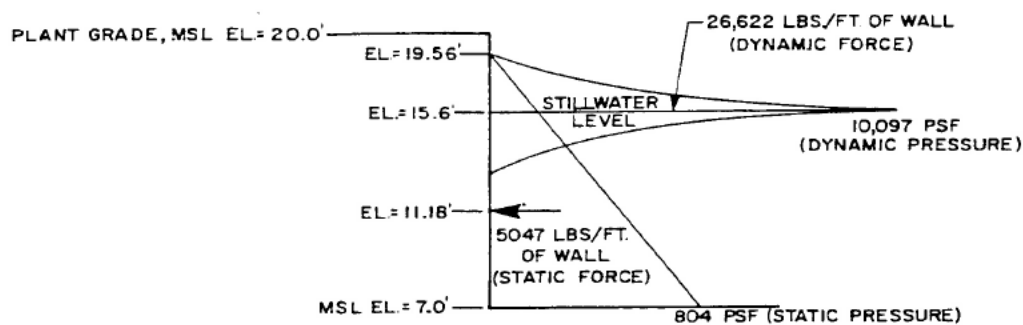
#### **BROKEN WAVE CONDITION ON VERTICAL SEAWALL**

##### **WAVE PARAMETERS**

$h_b = 7.91'$  (BREAKING WAVE HEIGHT)

$T =$  (INDEPENDENT OF WAVE PERIOD)

$d_s = 8.6'$  (WATER DEPTH IN FRONT OF STRUCTURE)



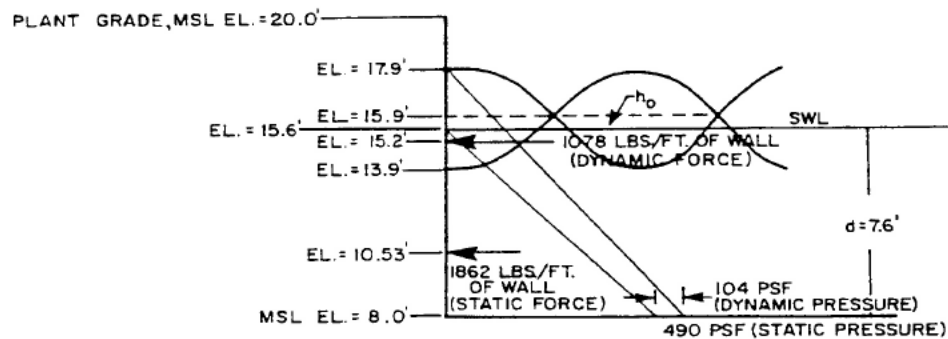
#### **BREAKING WAVE CONDITION ON VERTICAL SEAWALL**

##### **WAVE PARAMETERS**

$h_b = 7.91'$  (BREAKING WAVE HEIGHT)

$T = 4.8$  SECONDS (WAVE PERIOD)

$d_s = 8.6'$  (WATER DEPTH IN FRONT OF STRUCTURE)



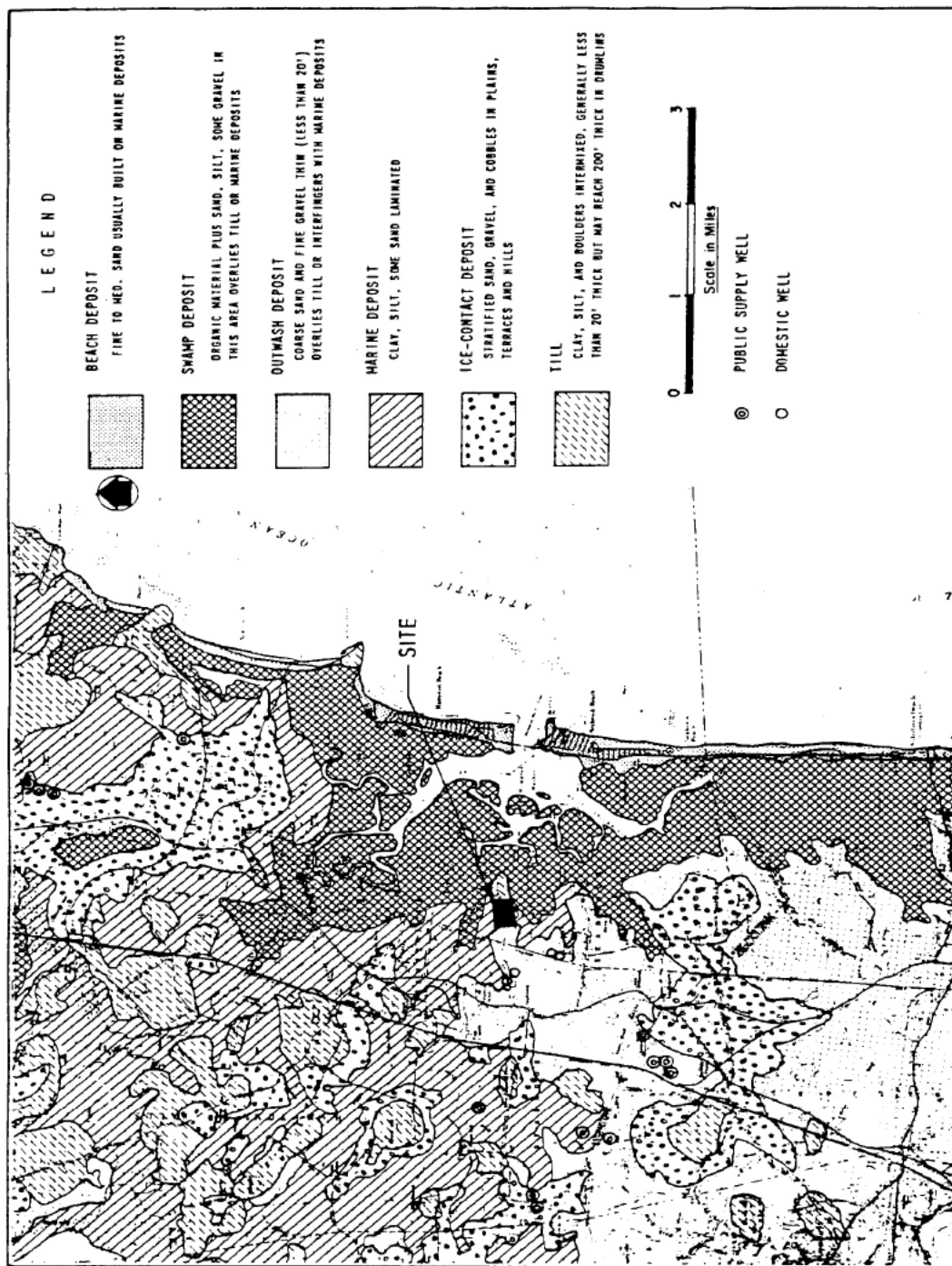
#### **NON-BREAKING WAVE CONDITION ON RETAINING WALL**

##### **WAVE PARAMETERS**

$H = 2.0'$  (WAVE HEIGHT)

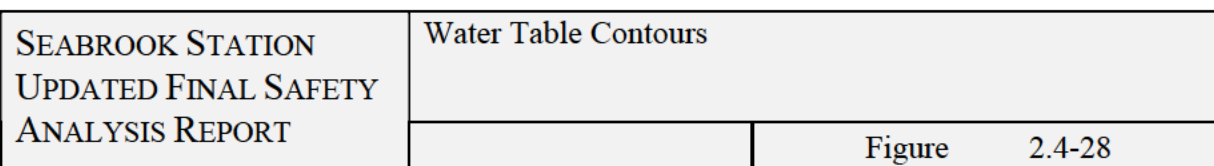
$T = 4.8$  SECONDS (WAVE PERIOD)

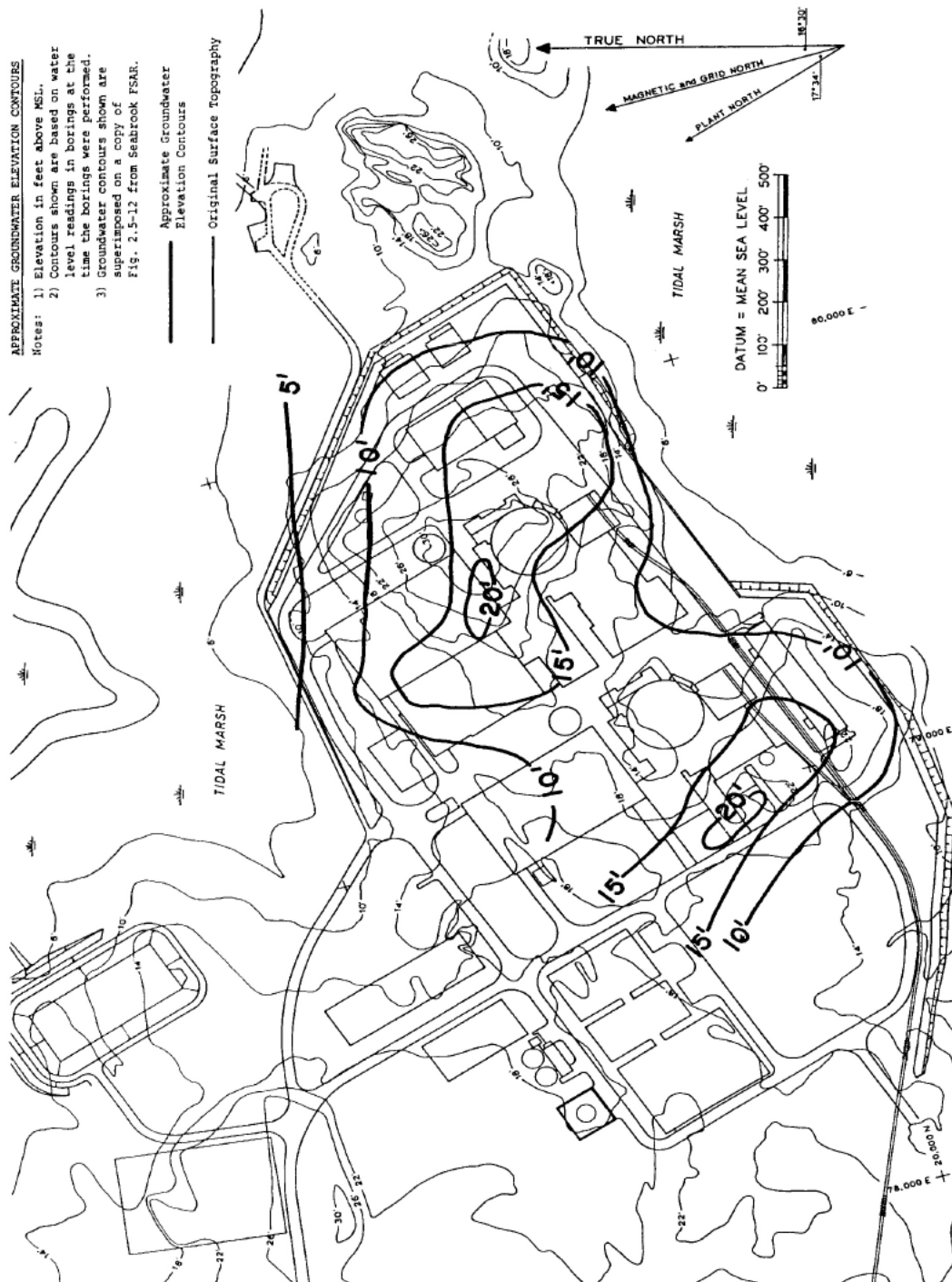
$d_s = 7.6'$  (WATER DEPTH IN FRONT OF STRUCTURE)







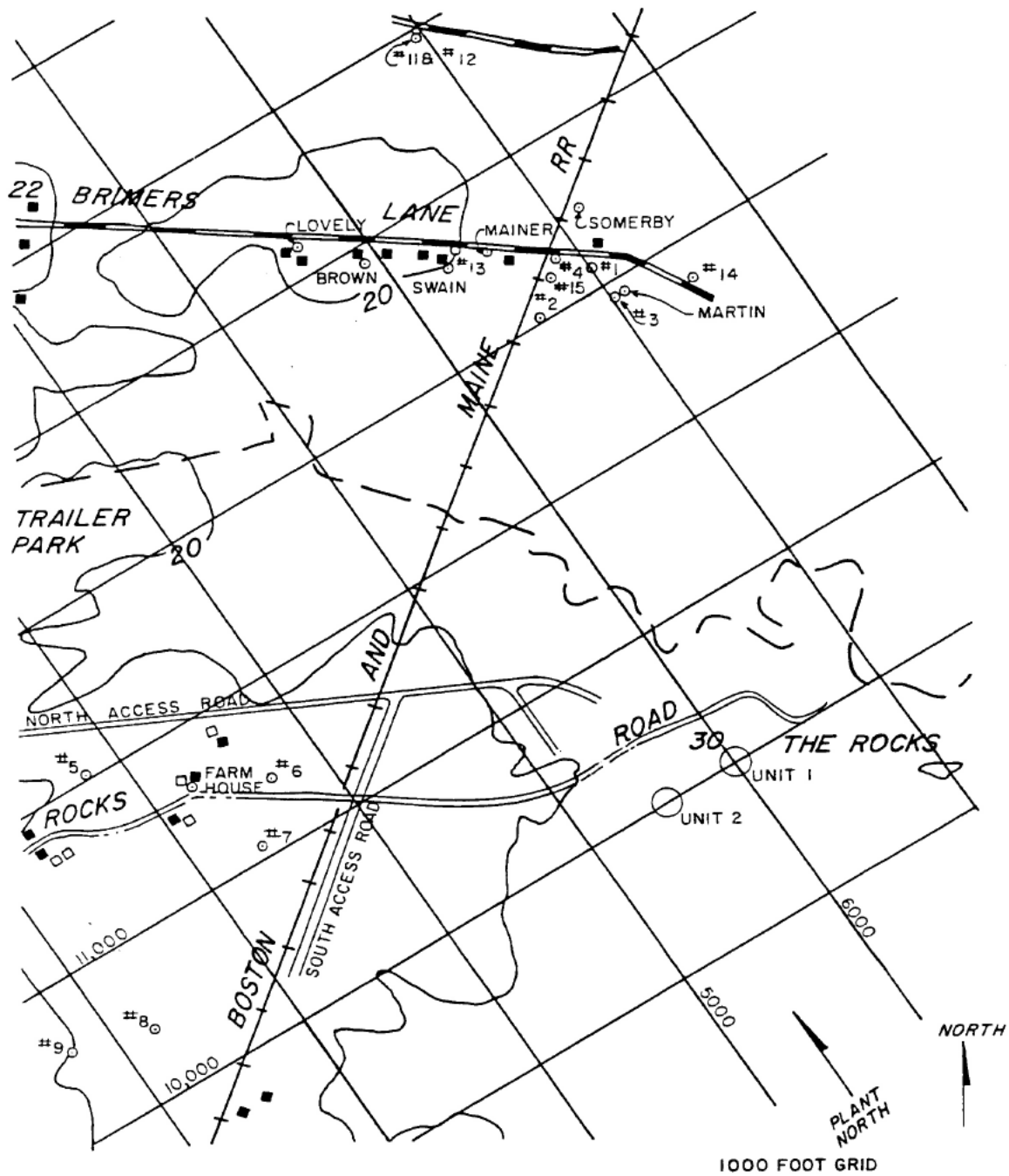




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Groundwater Contours in Plant Site Area Prior to  
 Construction

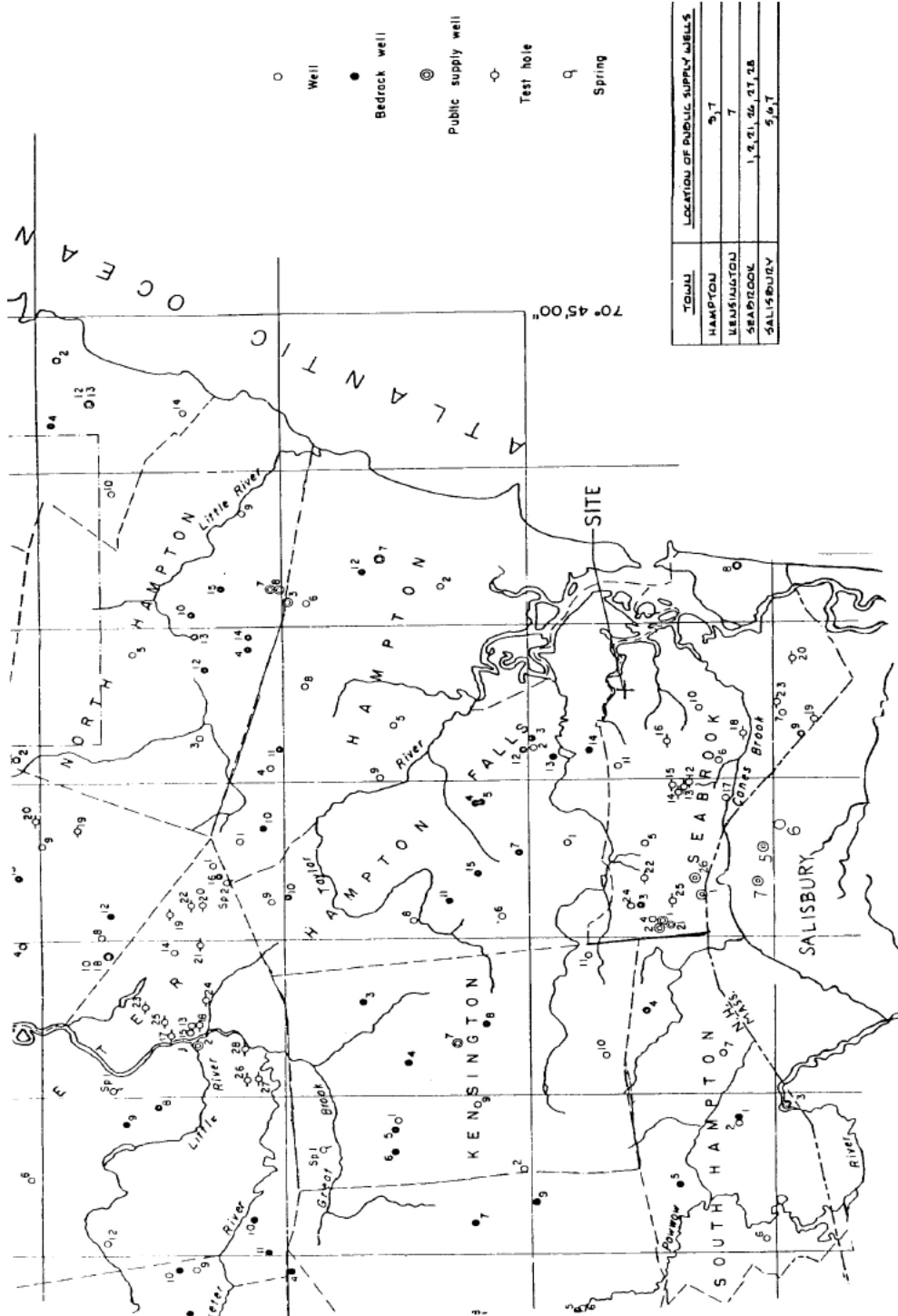
Figure 2.4-29



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Site Vicinity Wells

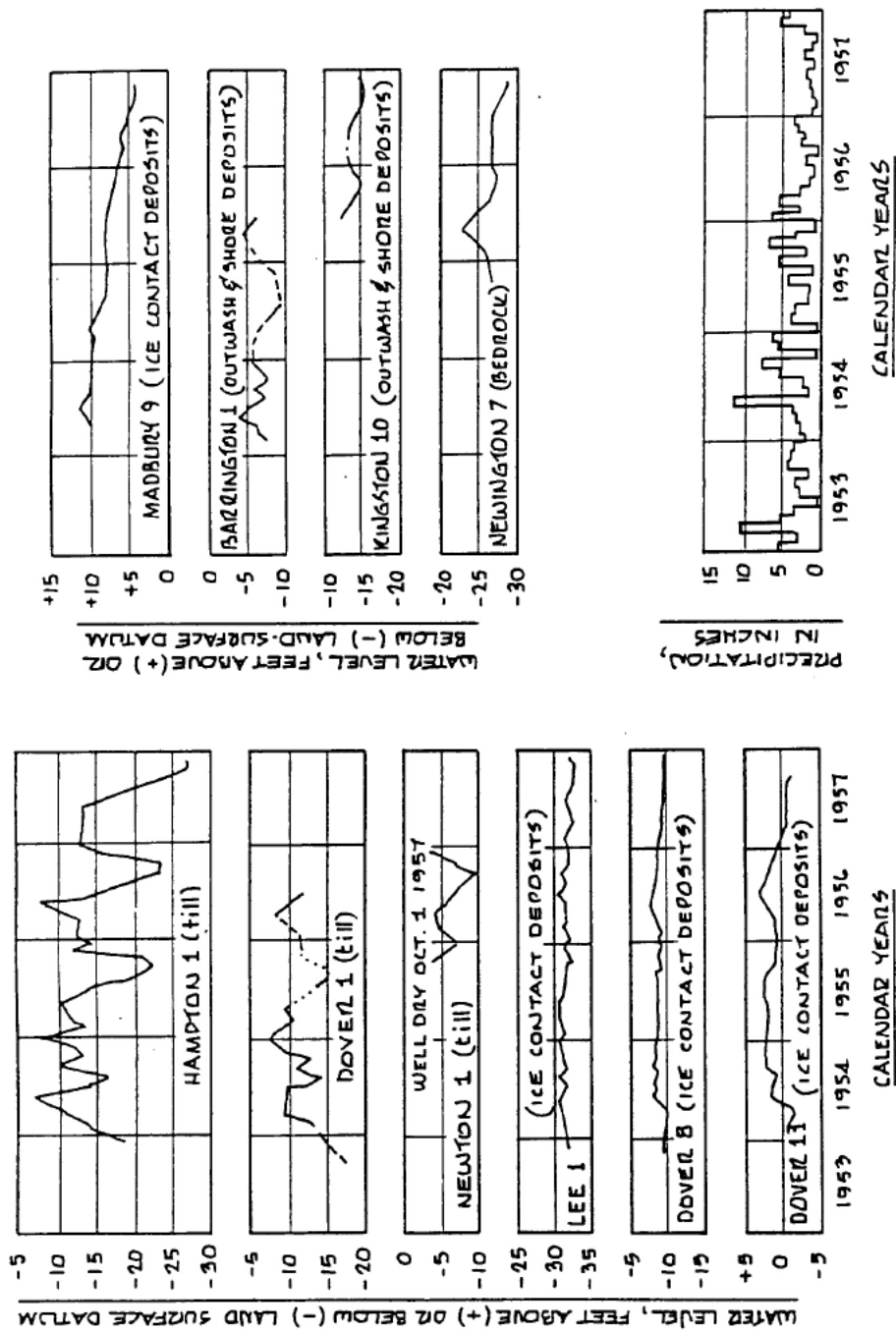
Figure 2.4-30



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Seabrook Area Wells	
		Figure 2.4-31



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Water Level Variations in the Seabrook Area	
		Figure 2.4-32



REFERENCE: GEOLOGY AND GROUNDWATER RESOURCES OF SOUTHEASTERN NEW HAMPSHIRE,  
GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1695, BY HOWARD BRADLEY, U.S. GOVERNMENT  
PRINTING OFFICE, WASHINGTON, D.C., 1964.