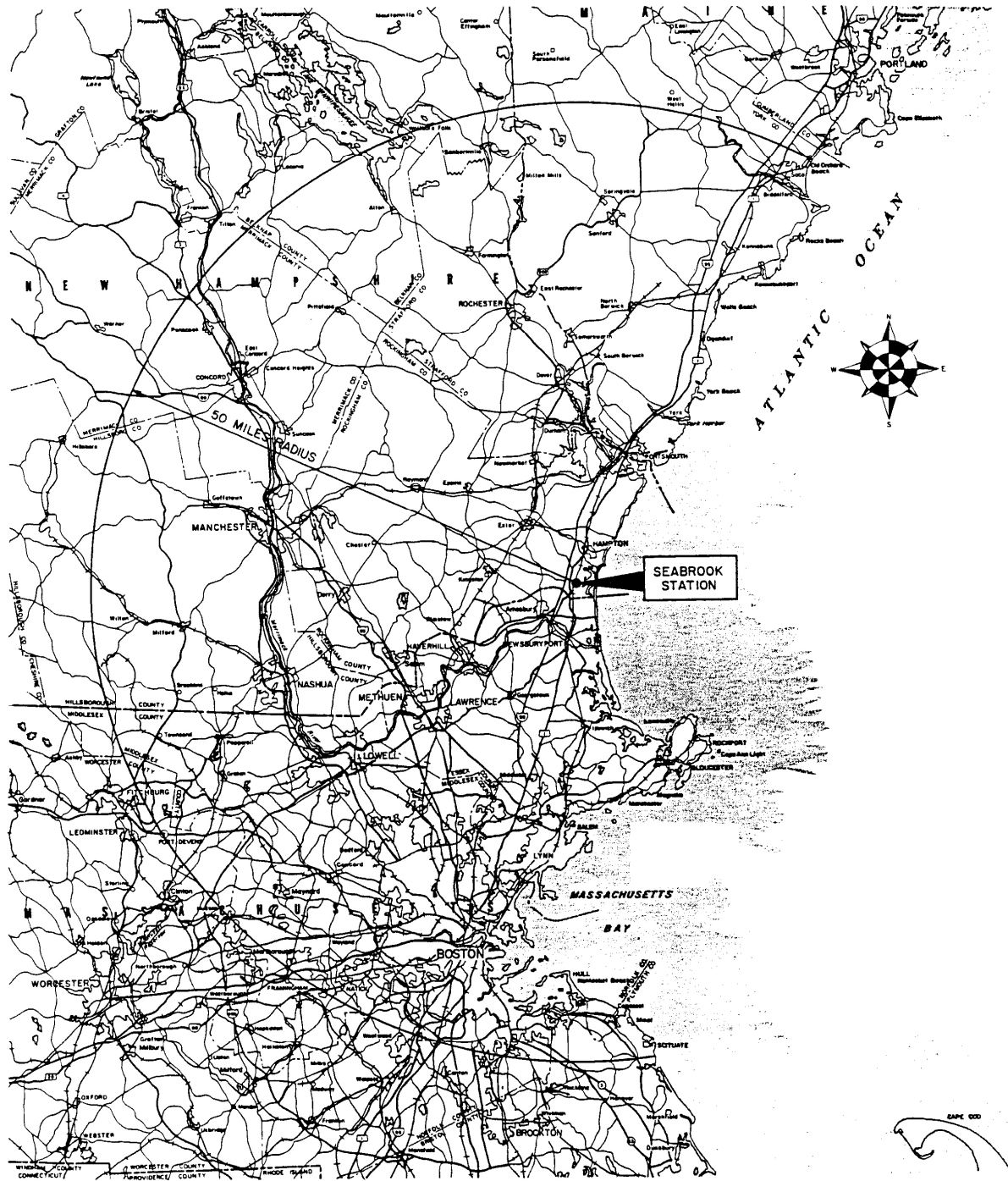
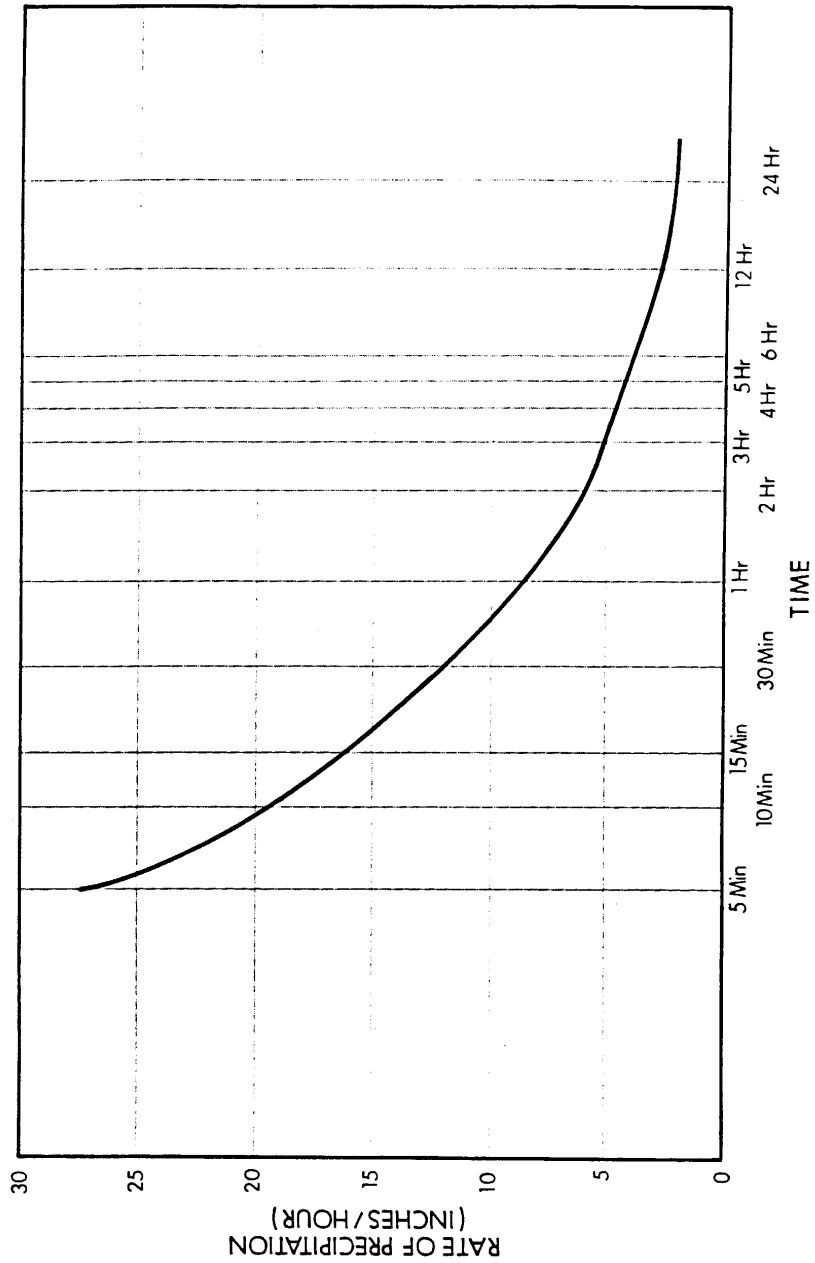


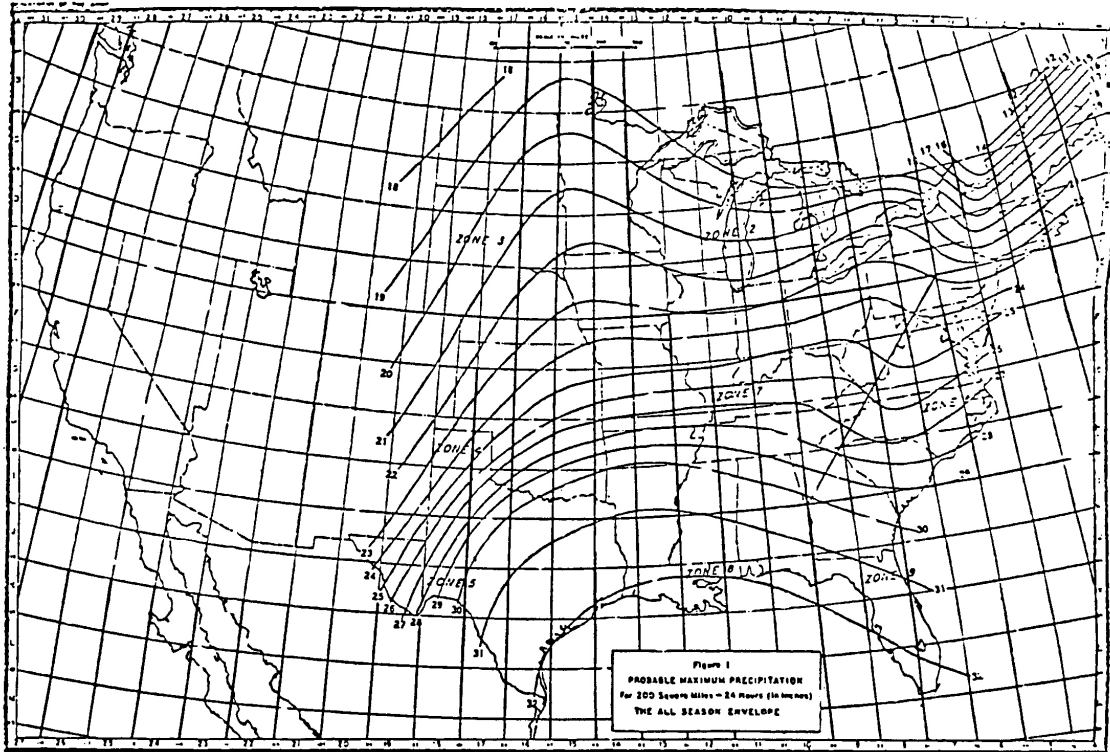
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Site Topography and Plot Plan	
	Rev. 12	Figure 2.4-1



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

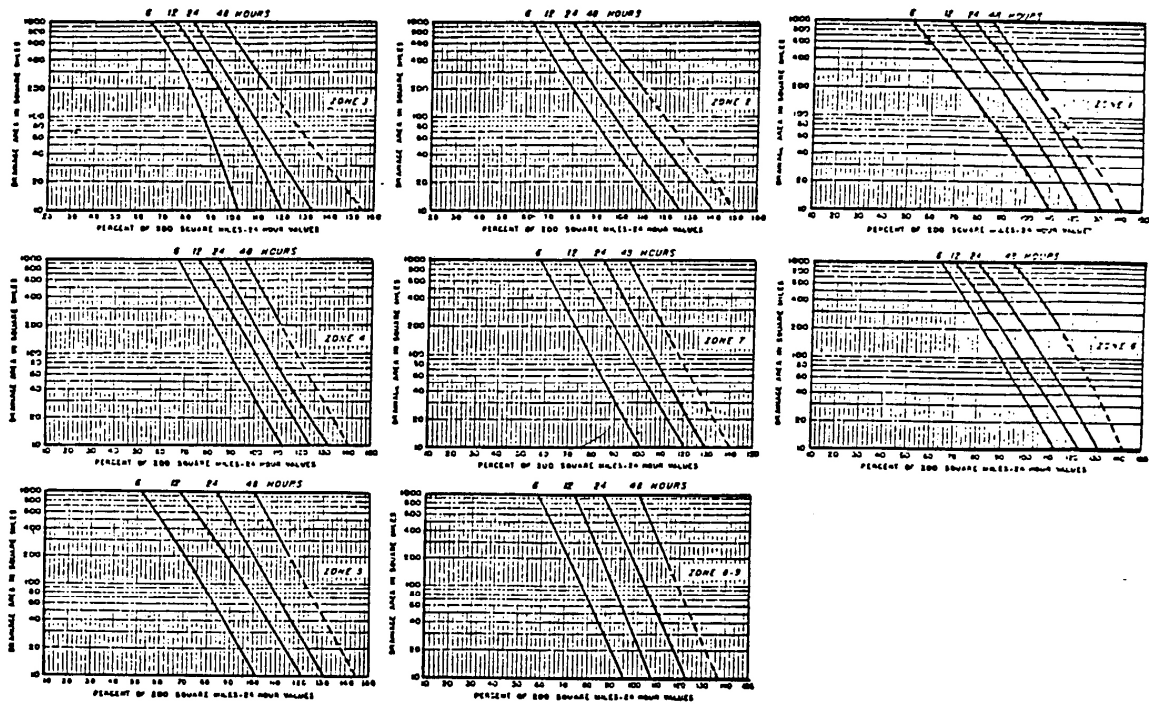


SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Time Incremental Distribution of Local PMP	
		Figure 2.4-3



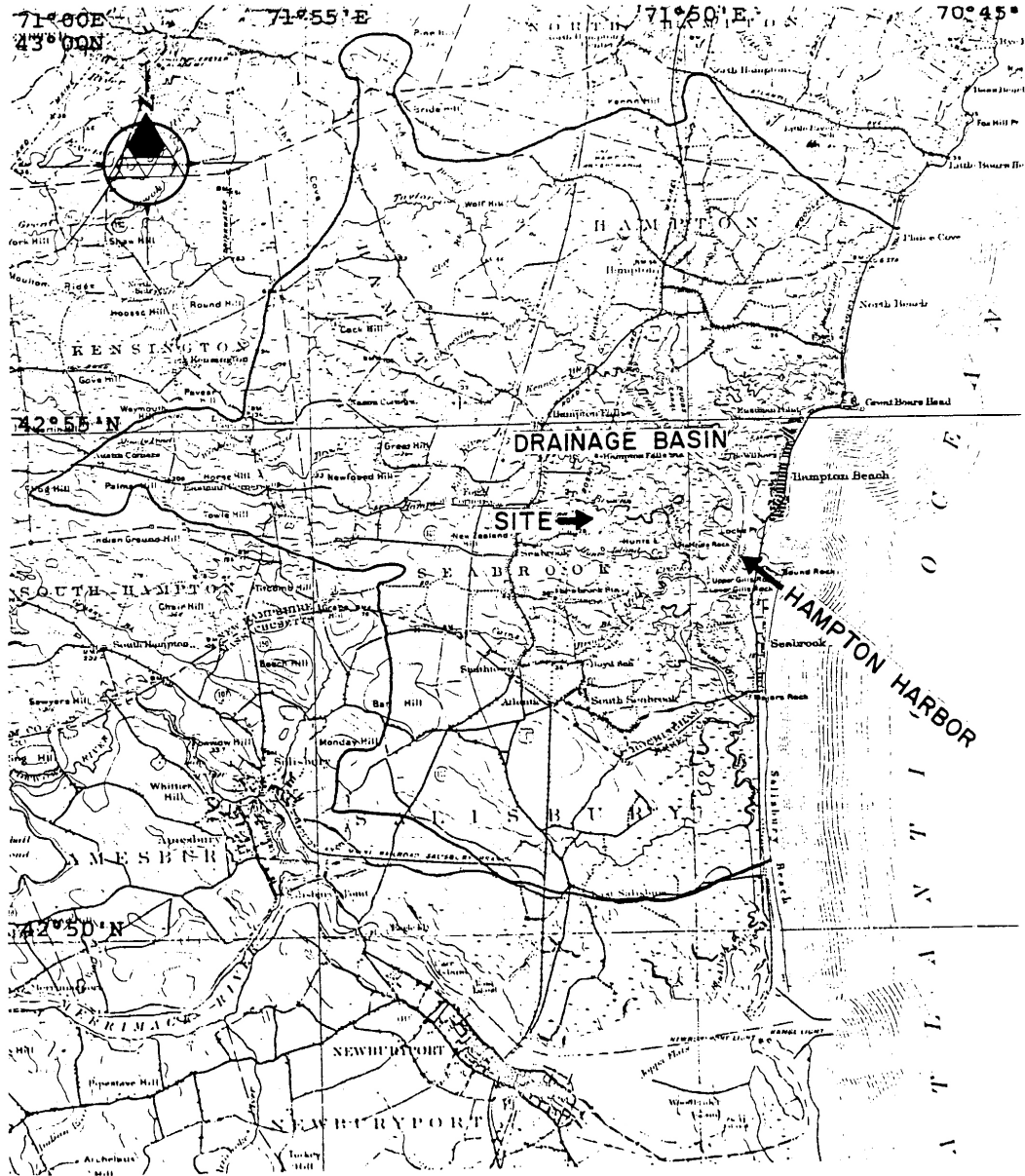
REFERENCE: Figure 1 of Riedel, J.T., J. F. Appleby, and R. W. Schloemer, April 1956, "Seasonal Variation of the Probable Maximum Precipitation East of the 105th Meridian for Areas from 10 to 1000 Square Miles and Durations of 6, 12, 24 and 48 Hours," Hydrometeorological Report No. 33, U. S. Department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

SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	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.

SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Depth – Area – Duration Relationships	
		Figure 2.4-5



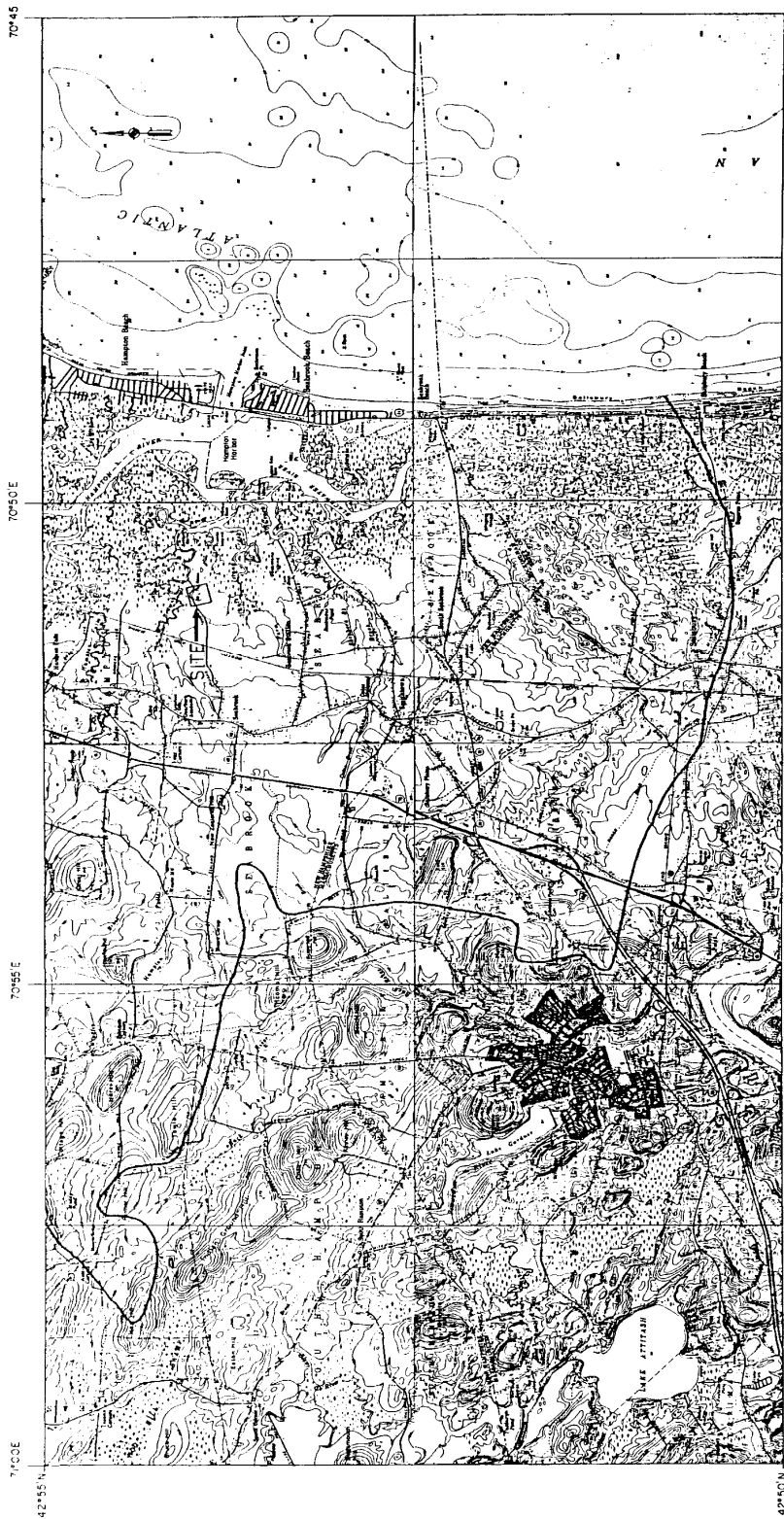
REFERENCE: Portion of USGS Topographic Map
Exeter, New Hampshire-Mass.

Scale: 1:62,500

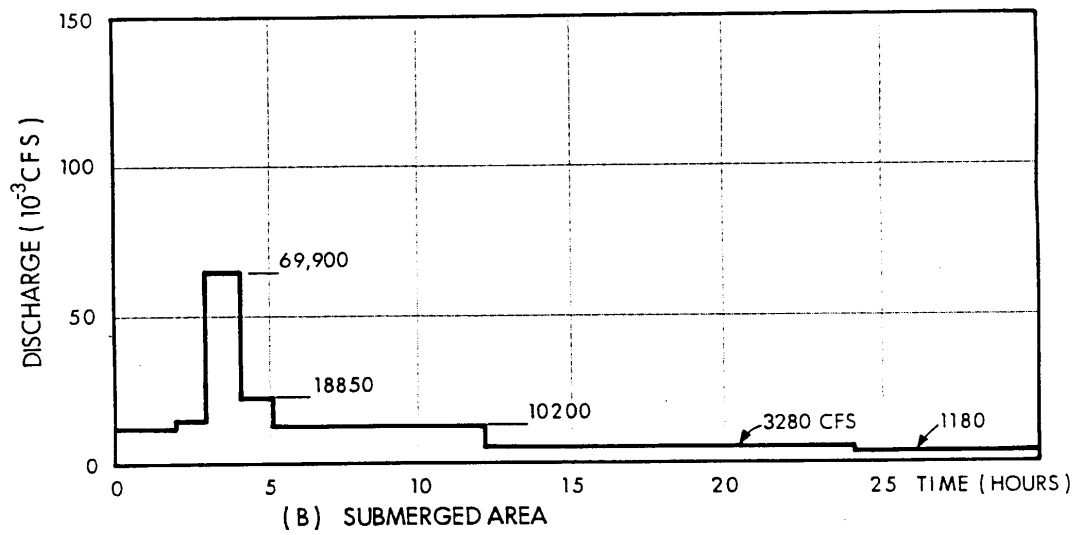
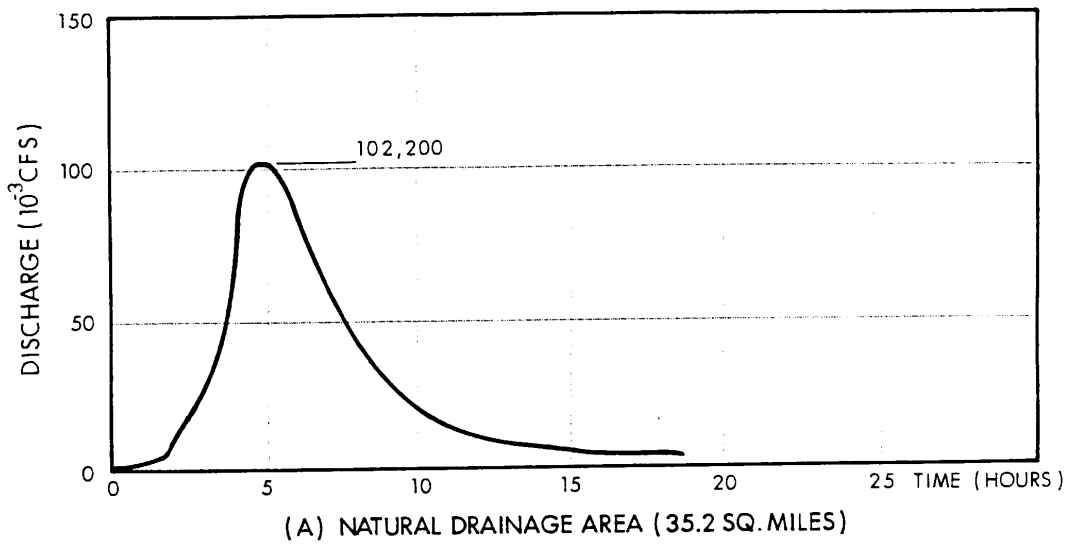
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Hampton Harbor Drainage Basin	
		Figure 2.4-6



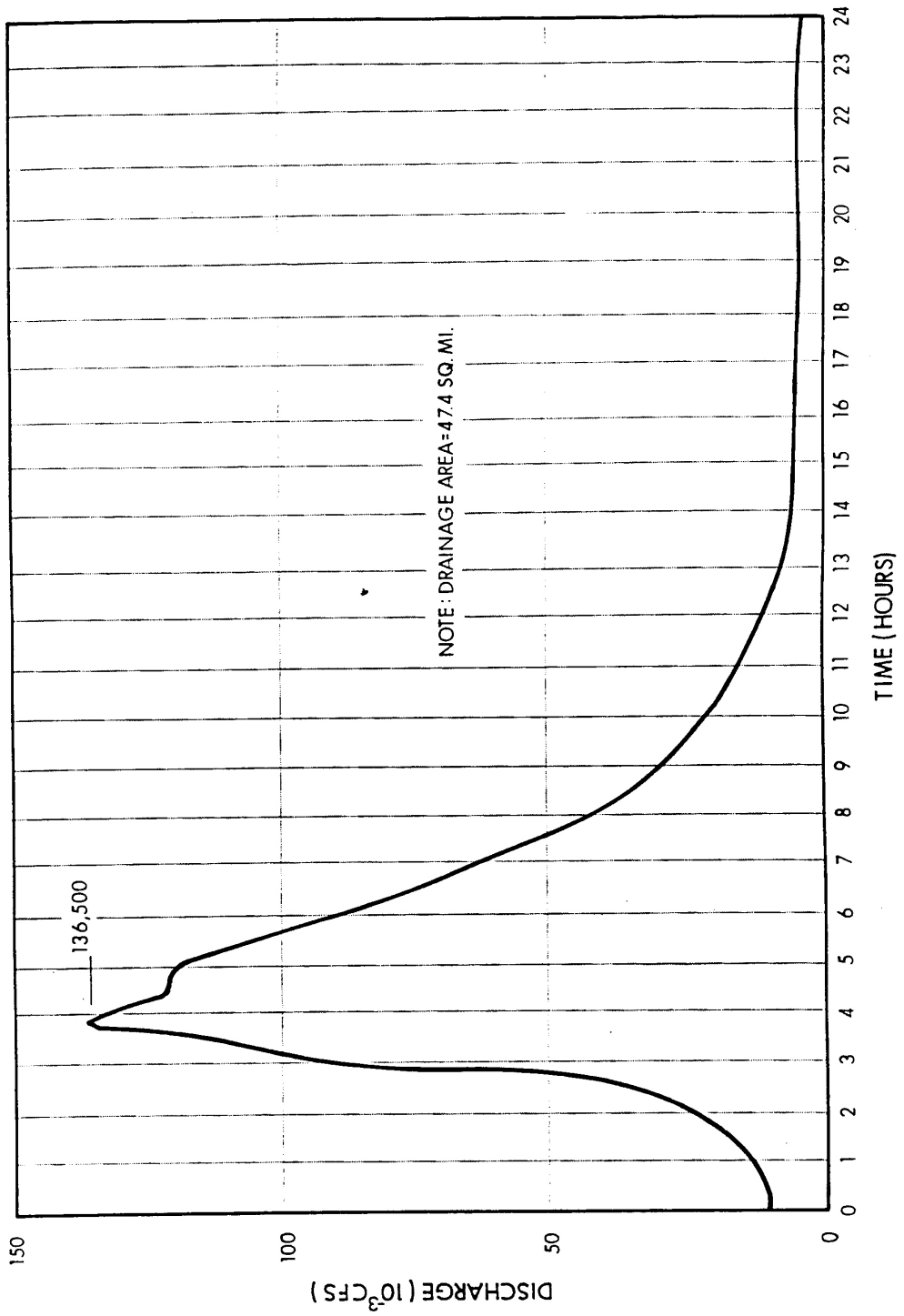
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Hampton Harbor Drainage Basin – Detailed Topography [2 Sheets]	
	Figure 2.4-7 Sh. 1 of 2	



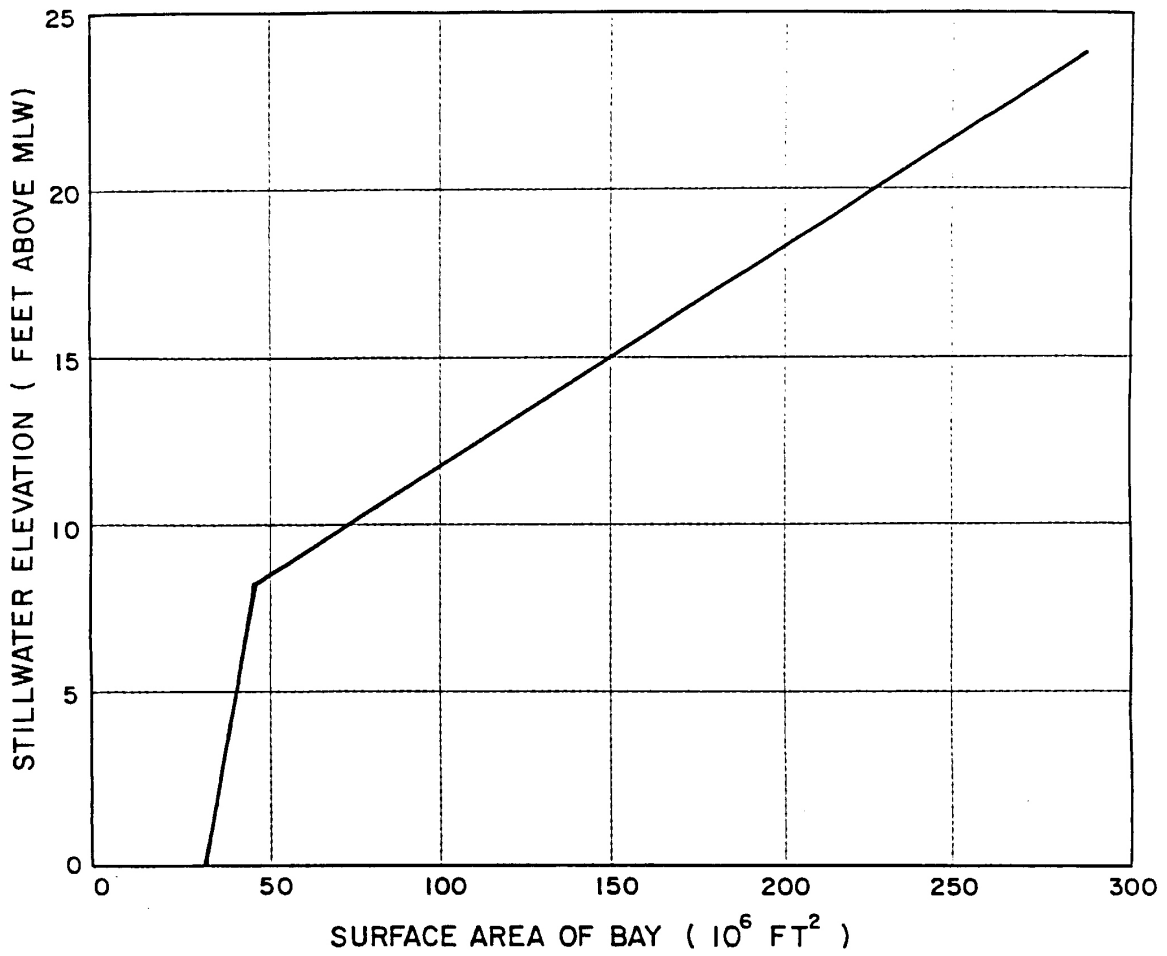
<p>SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT</p>	<p>Hampton Harbor Drainage Basin – Detailed Topography [2 Sheets]</p>
	<p>Figure 2.4-7 Sh. 2 of 2</p>



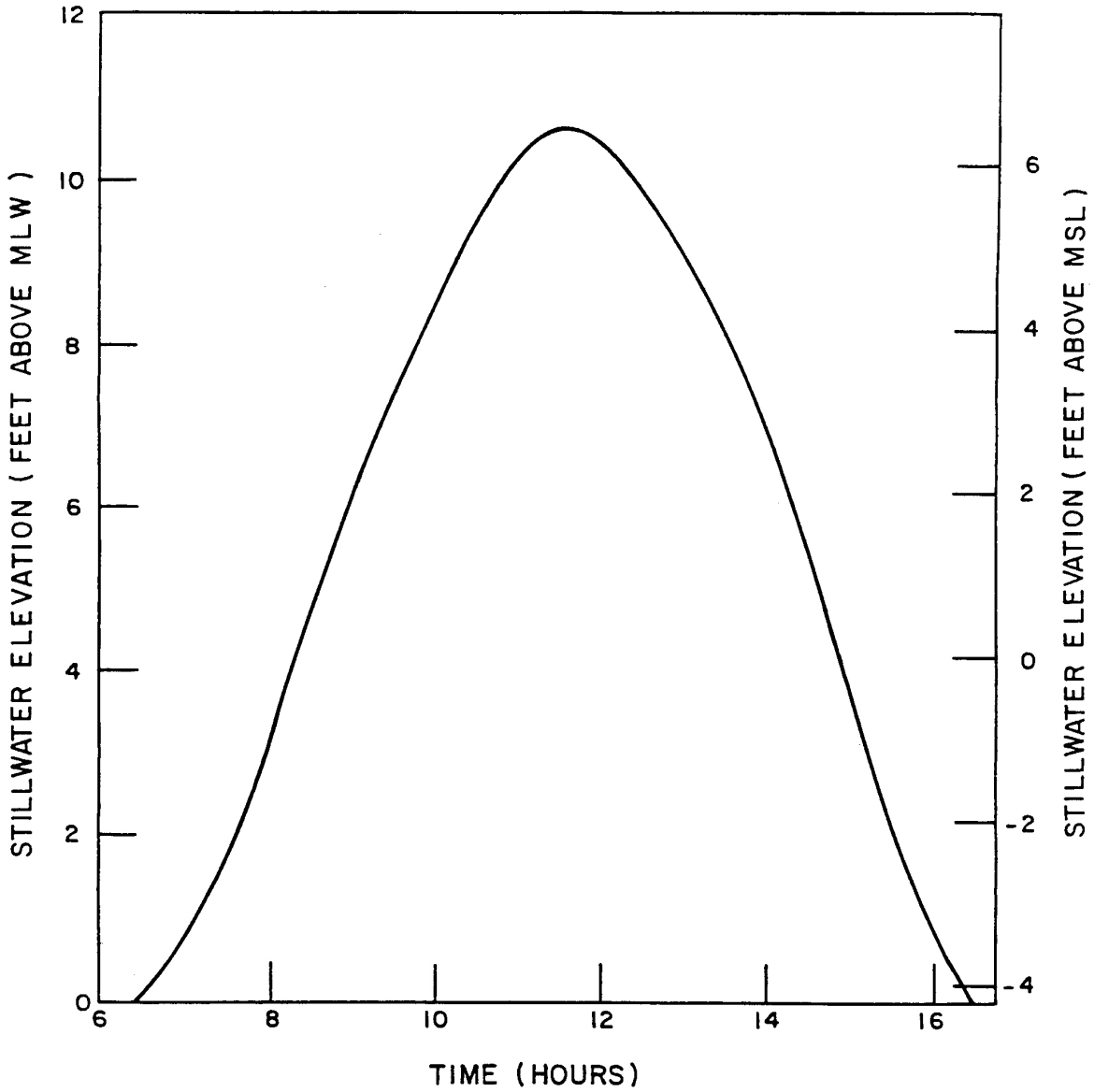
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	PMP Hydrographs	
		Figure 2.4-8



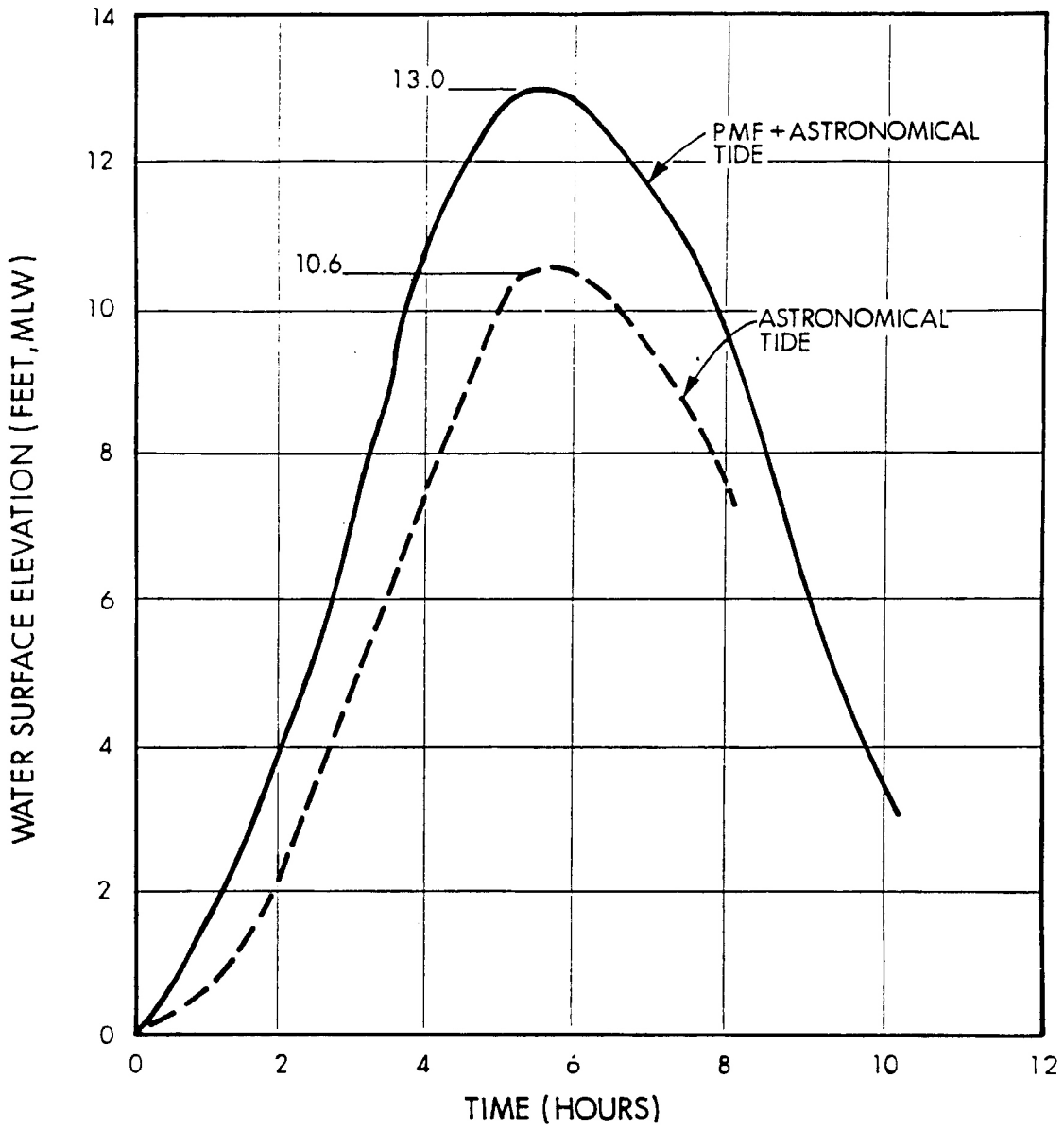
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	PMF Discharge Hydrograph	
	Figure	2.4-9



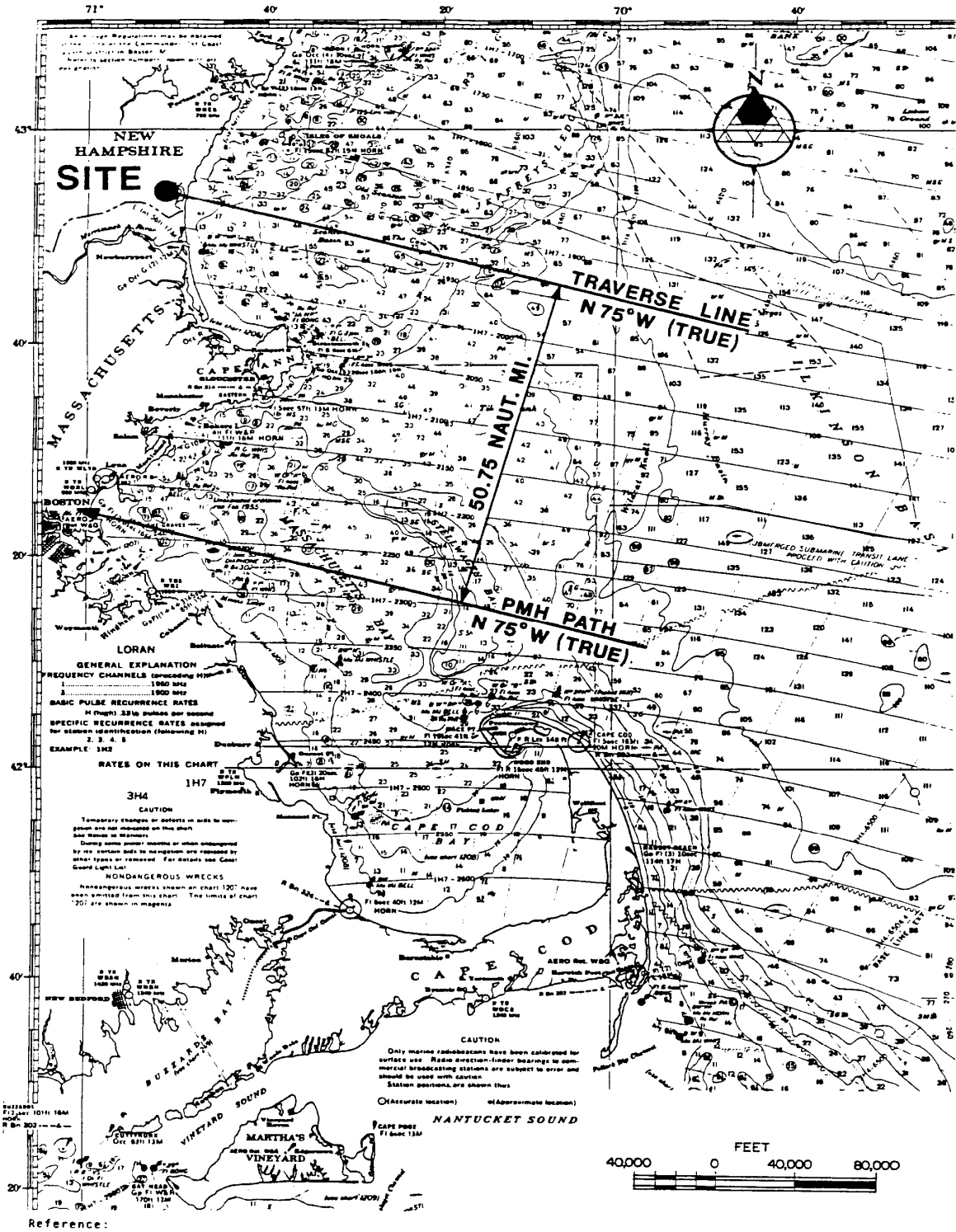
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Hampton Harbor Surface Area vs. Elevation	
		Figure 2.4-10



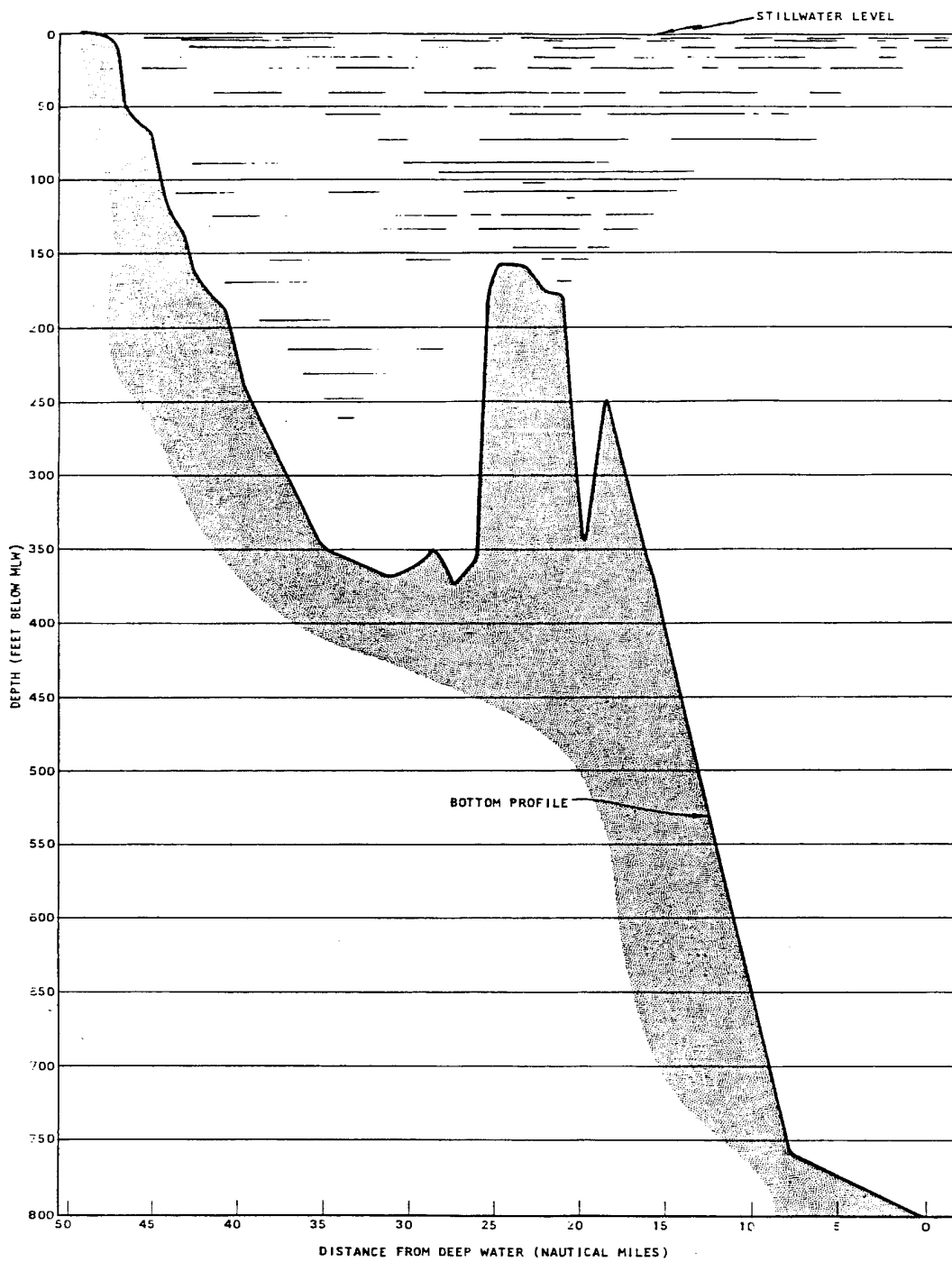
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Astronomical Tidal Cycle – Hampton Harbor – November 22, 1972	
		Figure 2.4-11



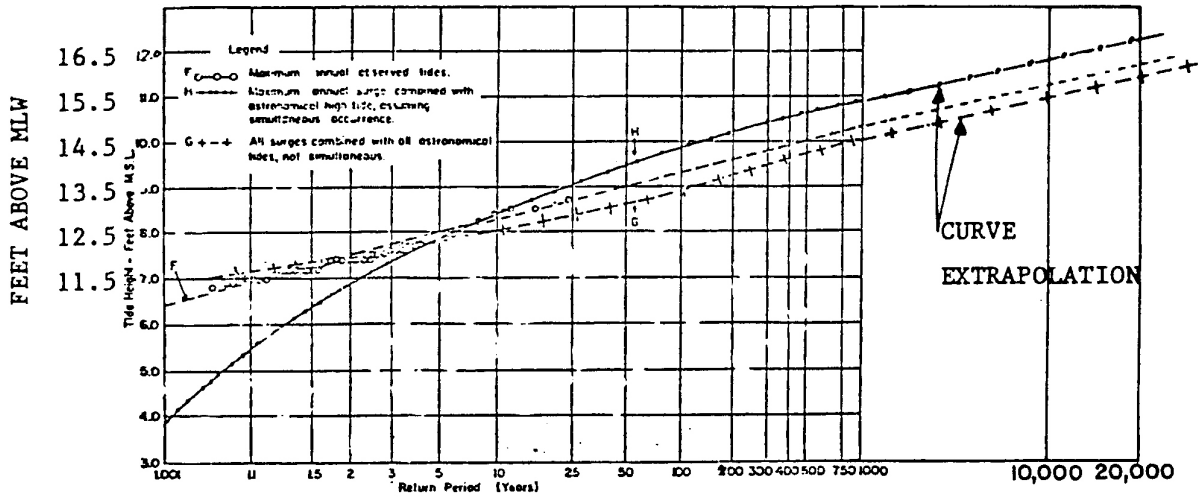
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Hampton Harbor PMF Hydrograph	
		Figure 2.4-12



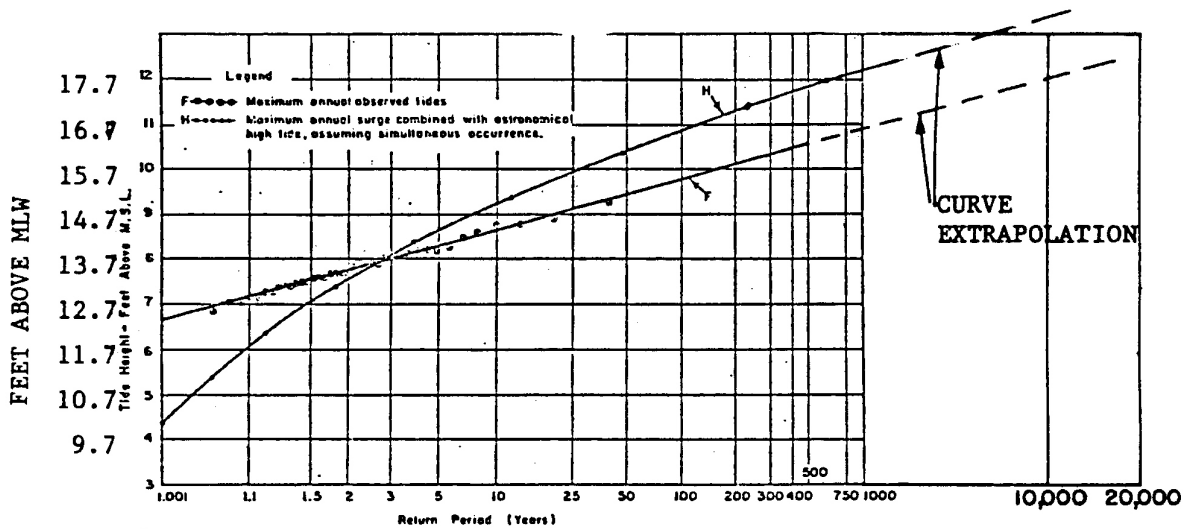
<p>SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT</p>	<p>PMH Path</p>	<p>Figure 2.4-13</p>
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SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Offshore Depth Profile – Transverse Line N75°W (True)	
		Figure 2.4-14



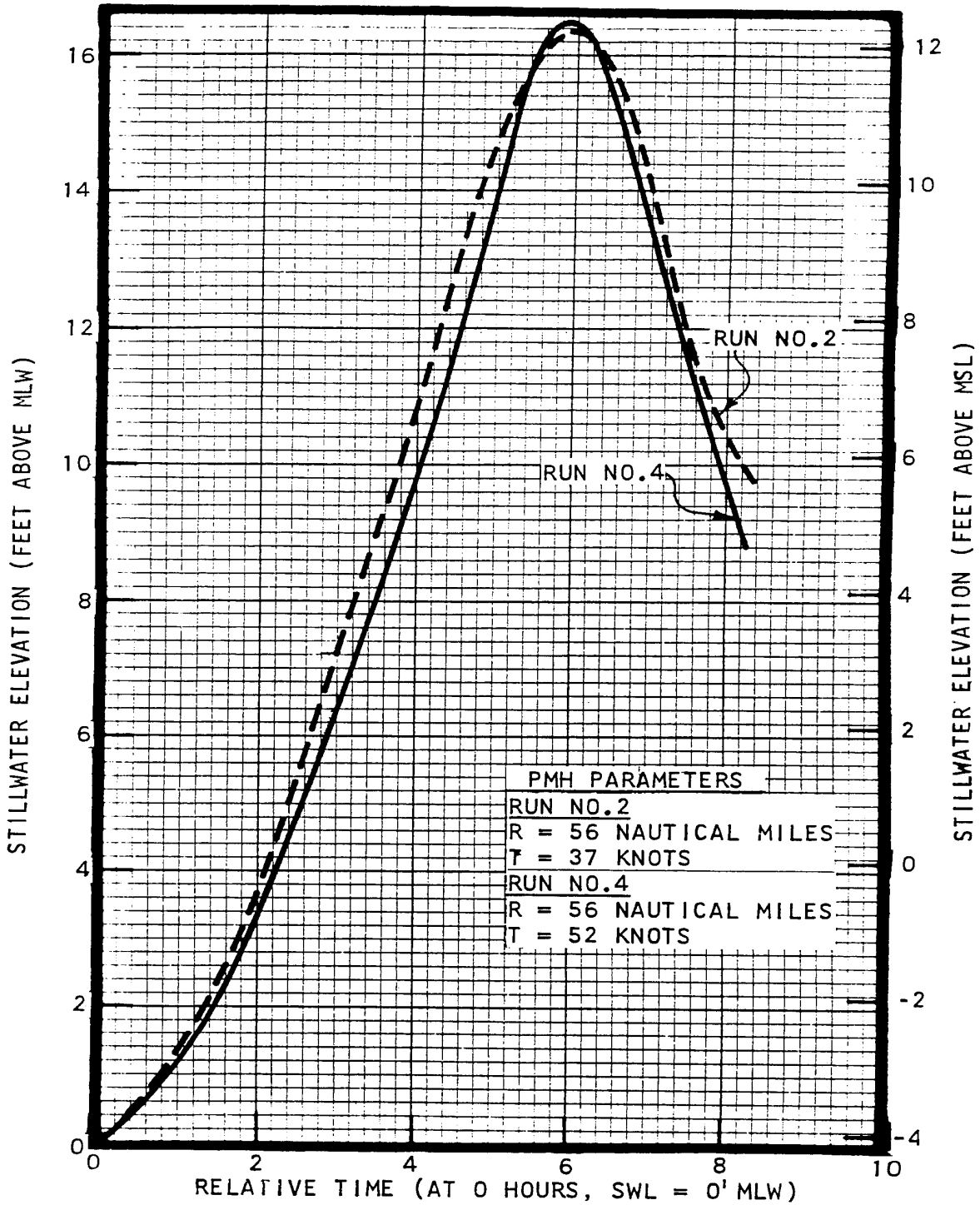
Estimated probability of extreme high tide height at Portland, Maine. (Based on data for 1914-1959.)

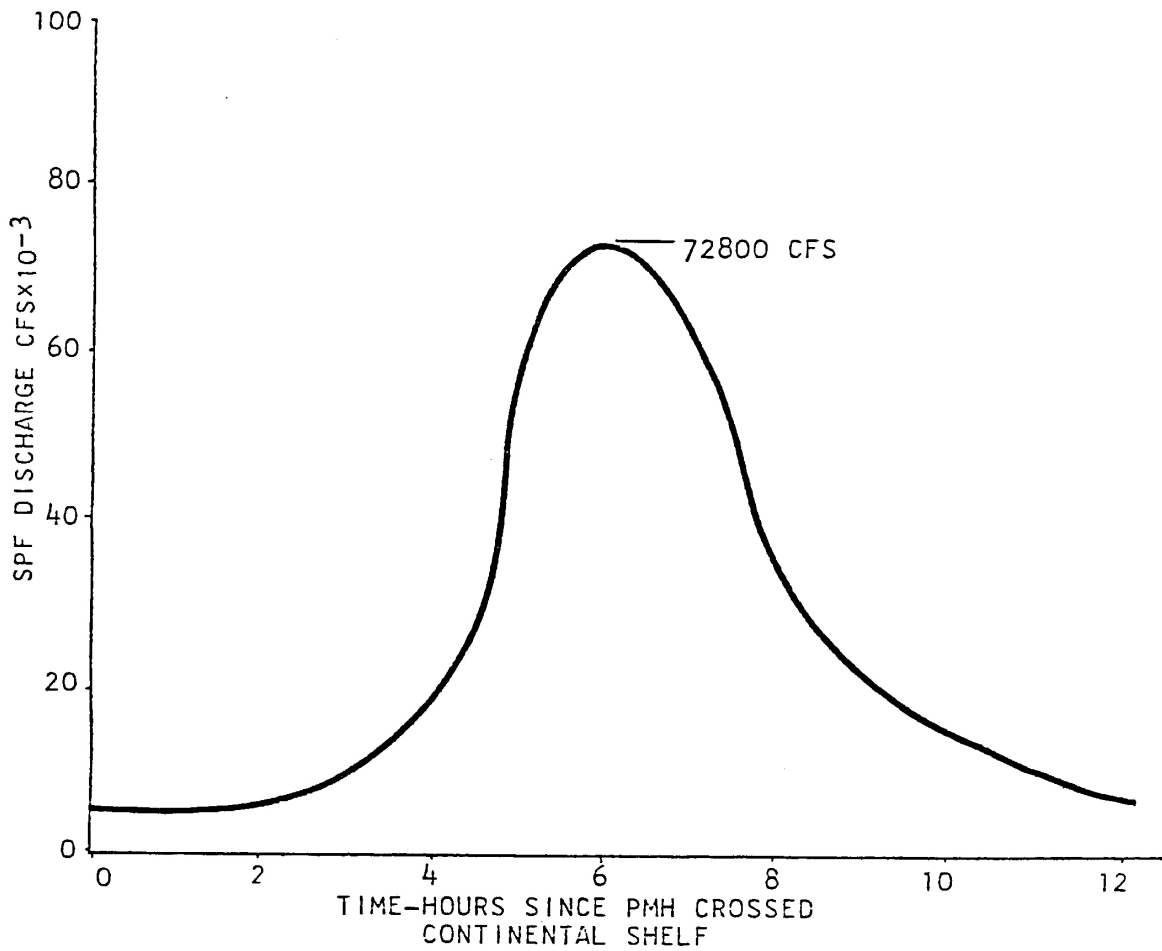


Estimated probability of extreme high tide height at Boston, Mass. (Based on data for 1922-1960)

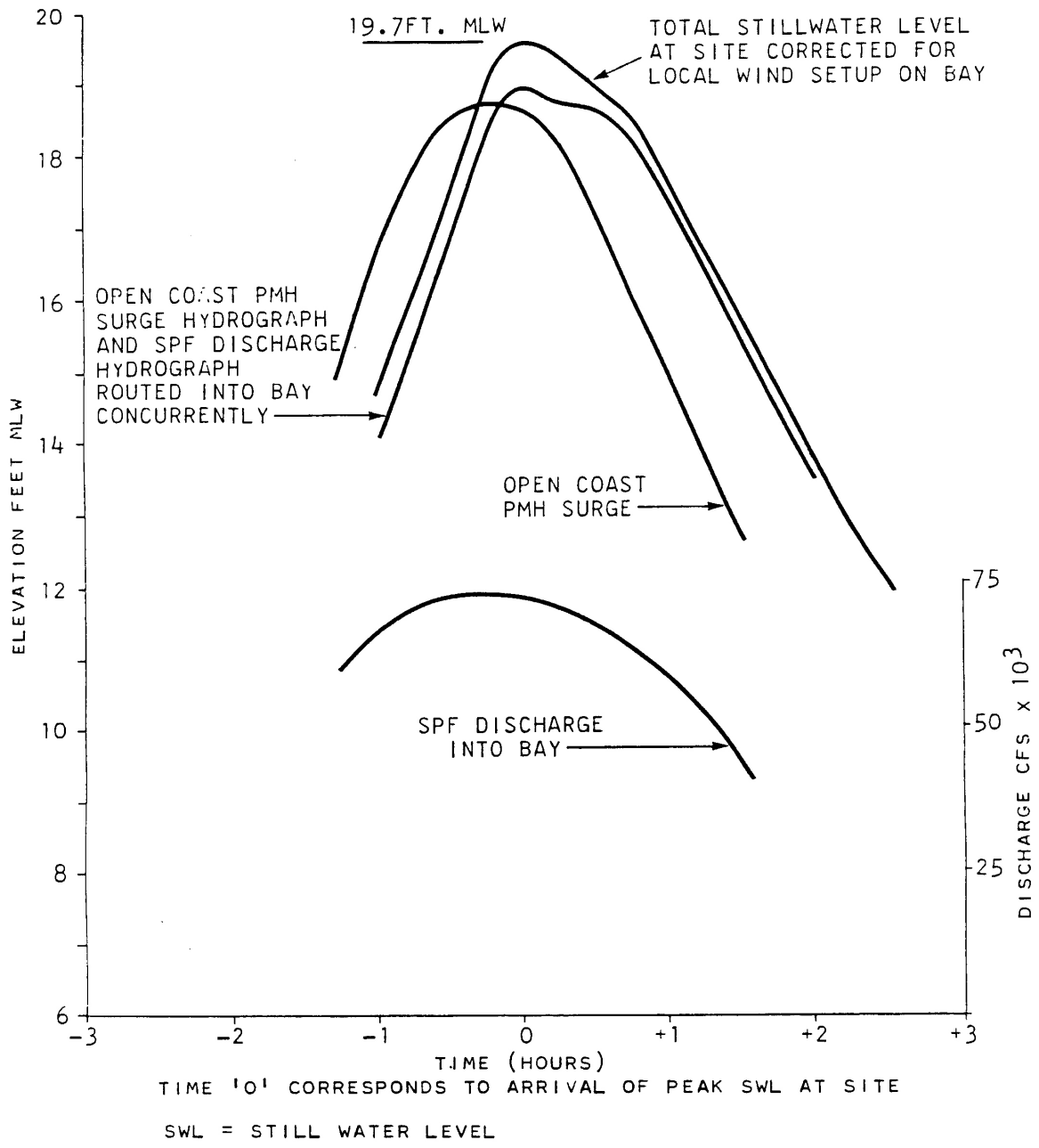
REFERENCE: Figures 26 and 27 of U. S. Weather Bureau Hydrometeorological Section, "Criteria for a Standard Project Northeaster for New England North of Cape Cod," National Hurricane Research Project Report #68, 1964.

SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Estimated Probability of Extreme High Tide at Portland, Maine and Boston, Mass.	
		Figure 2.4-15

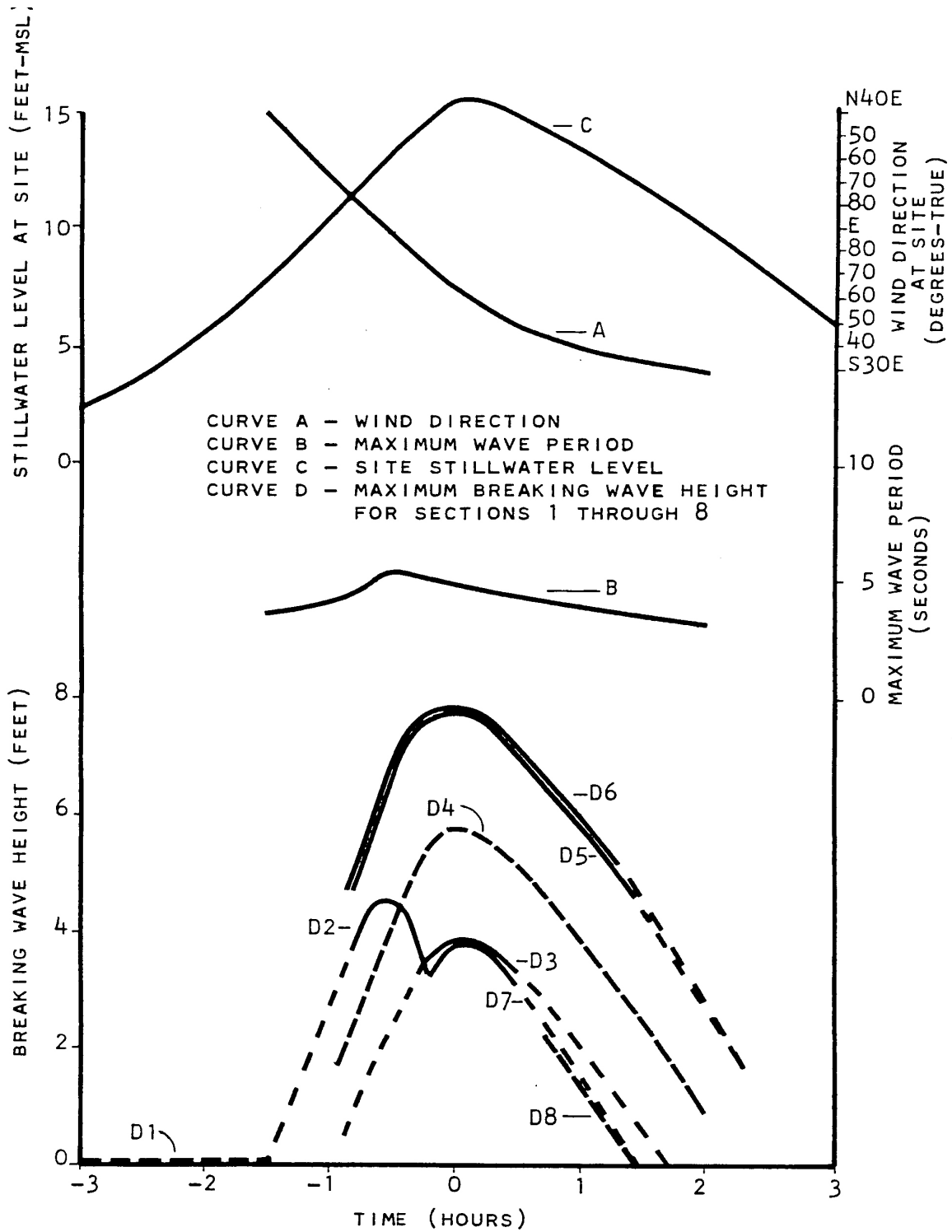




SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	SPF Discharge Hydrograph	
		Figure 2.4-17

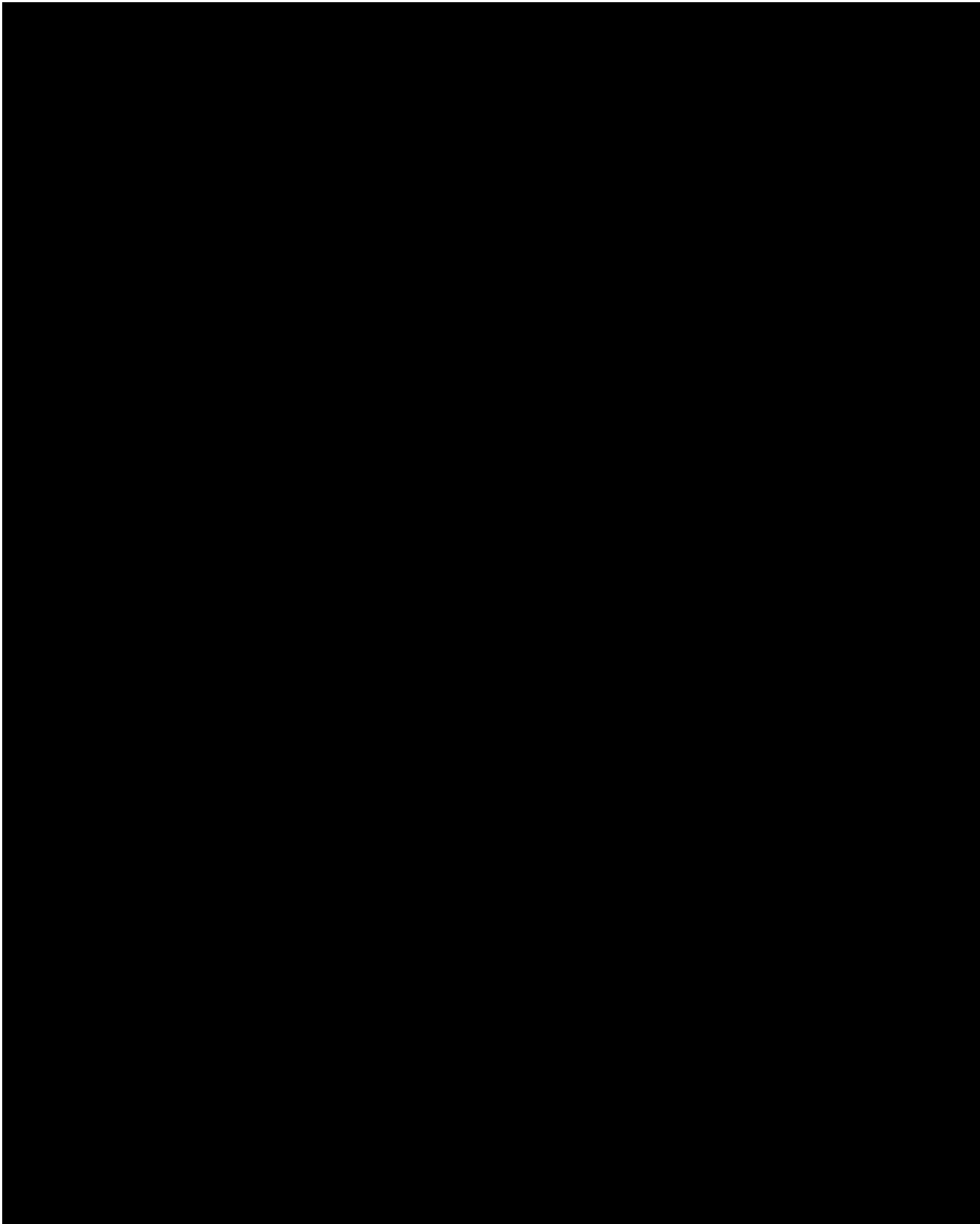


SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Resultant PMH and SPF Stillwater Levels	
		Figure 2.4-18

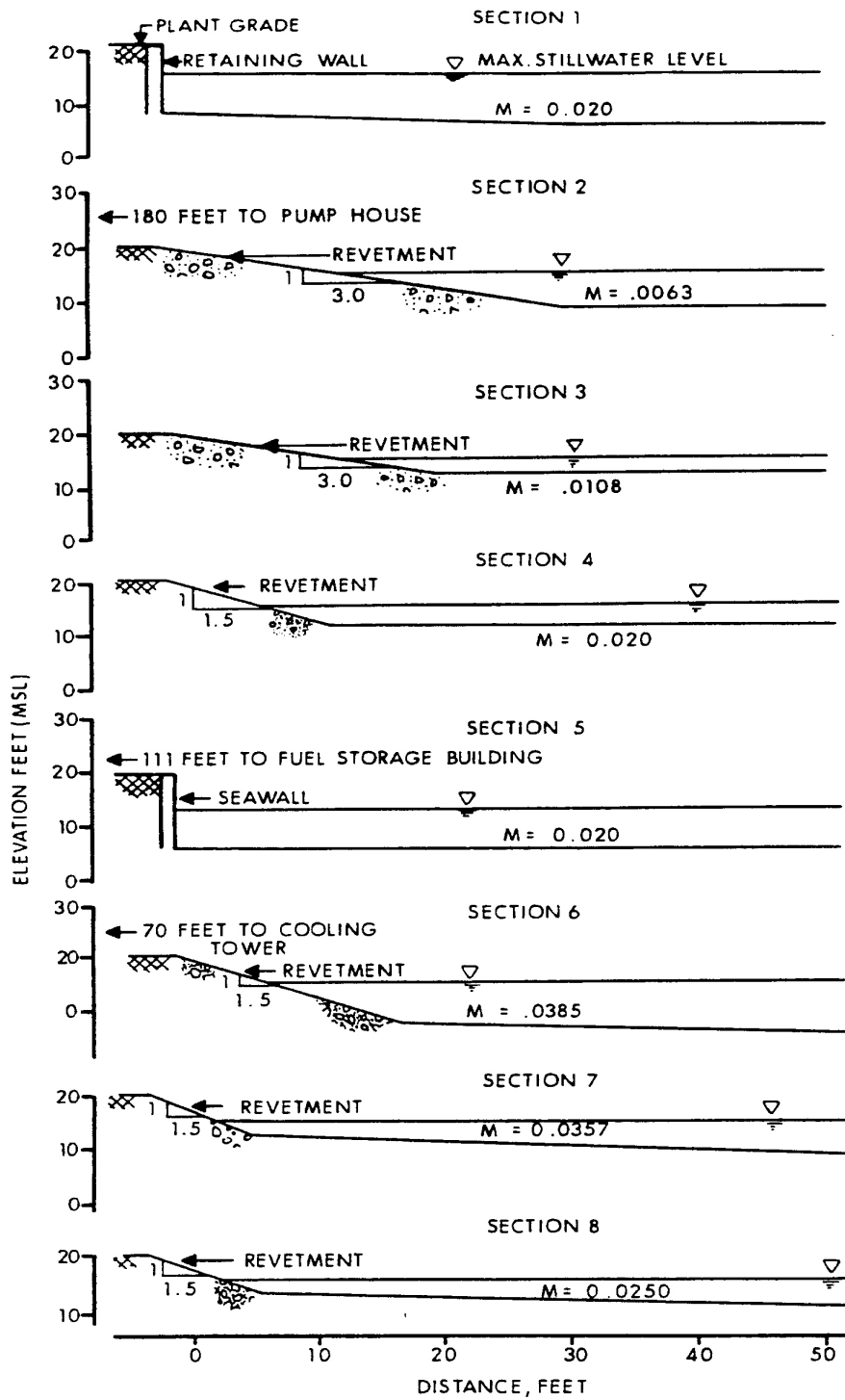


SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Design Wave Heights, Periods and Waterlevels	
		Figure 2.4-19

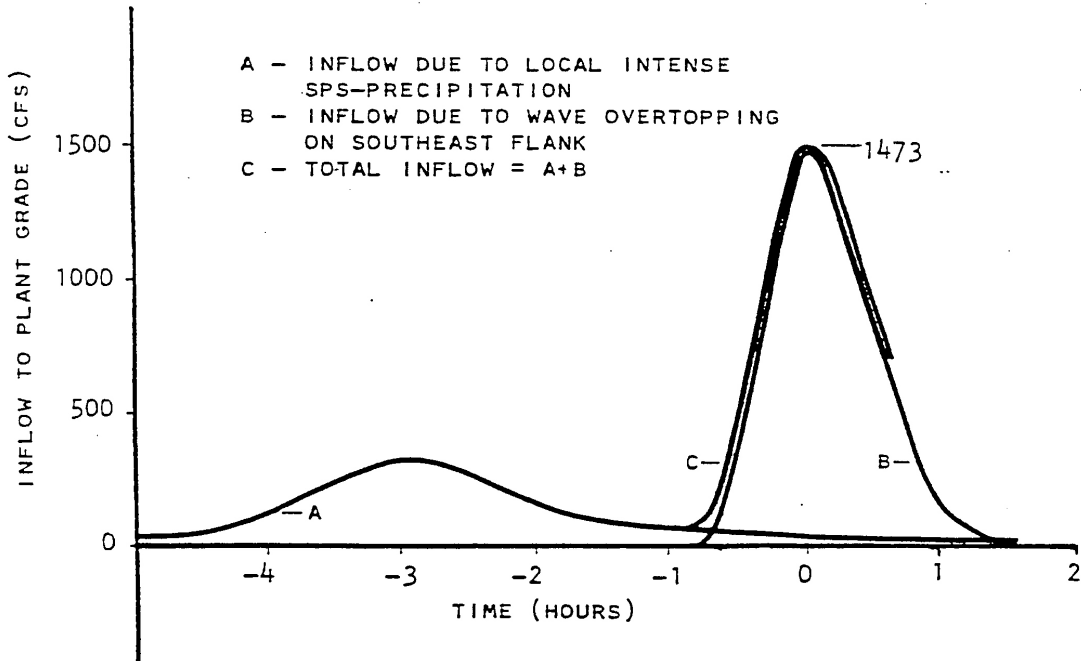
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Flow Pathways for Wave Overtopping Waters	
		Figure 2.4-20



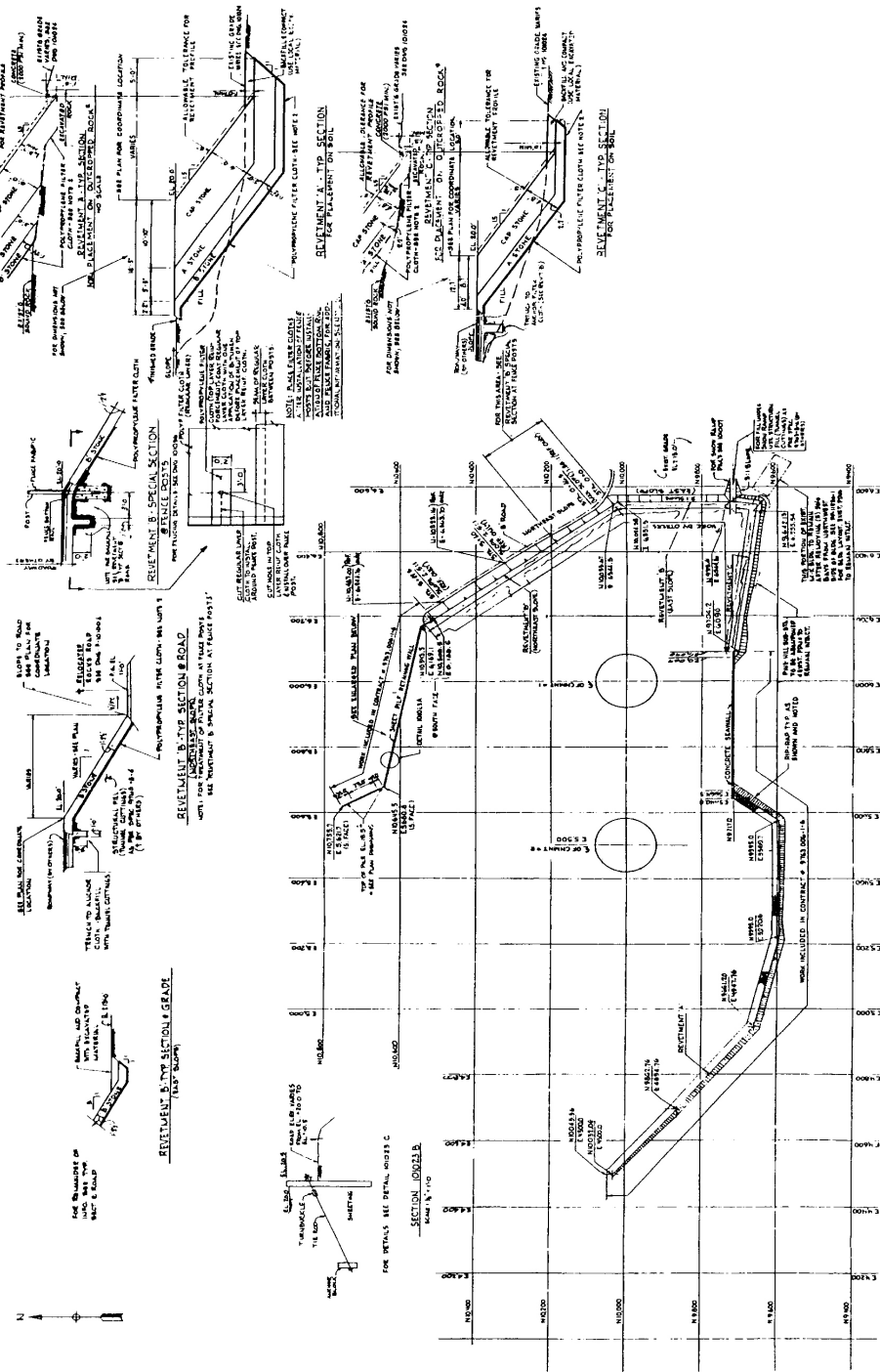
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Wave Protection Revetments and Seawall	
		Figure 2.4-21



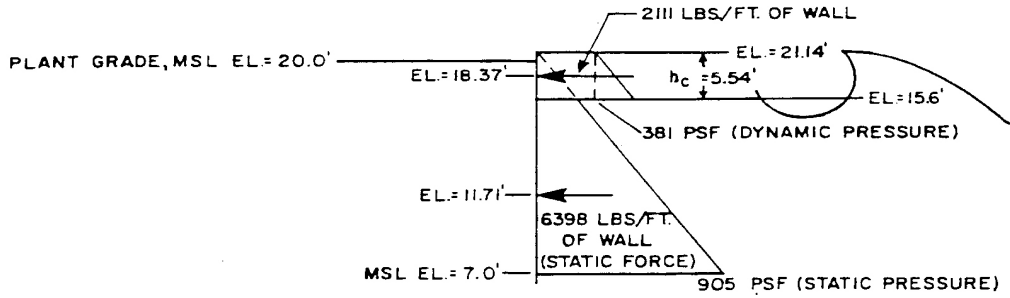
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Topographic Profiles	
		Figure 2.4-22



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	SPS - PMH Site Flooding	
		Figure 2.4-23



(EXTRACTED FROM 9763-F-101023)



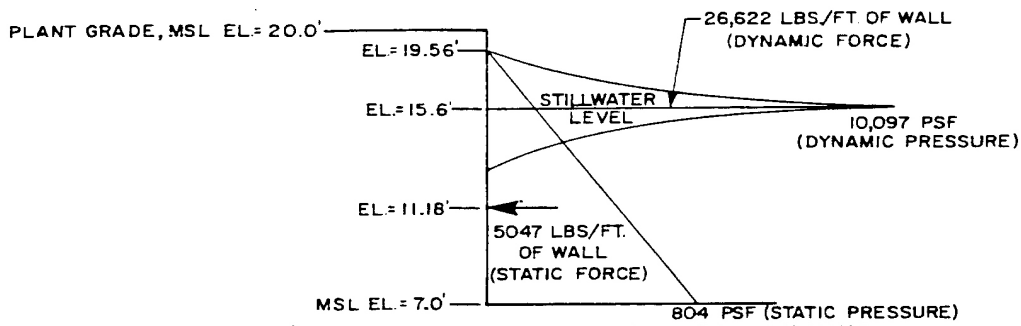
BROKEN WAVE CONDITION ON VERTICAL SEAWALL

WAVE PARAMETERS

$h_b = 7.91'$ (BREAKING WAVE HEIGHT)

$T =$ (INDEPENDENT OF WAVE PERIOD)

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



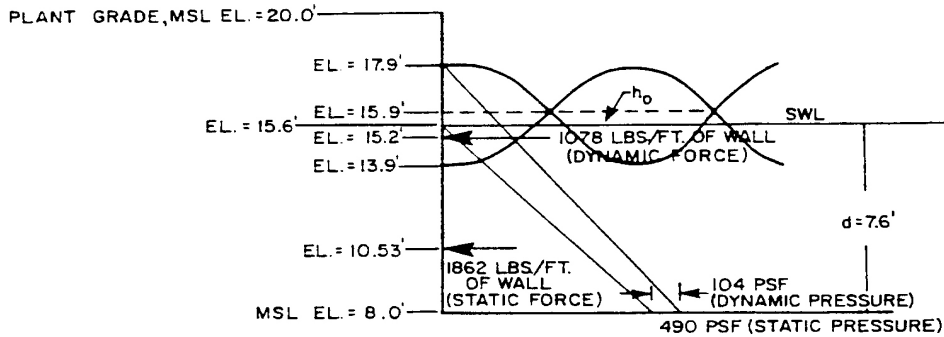
BREAKING WAVE CONDITION ON VERTICAL SEAWALL

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

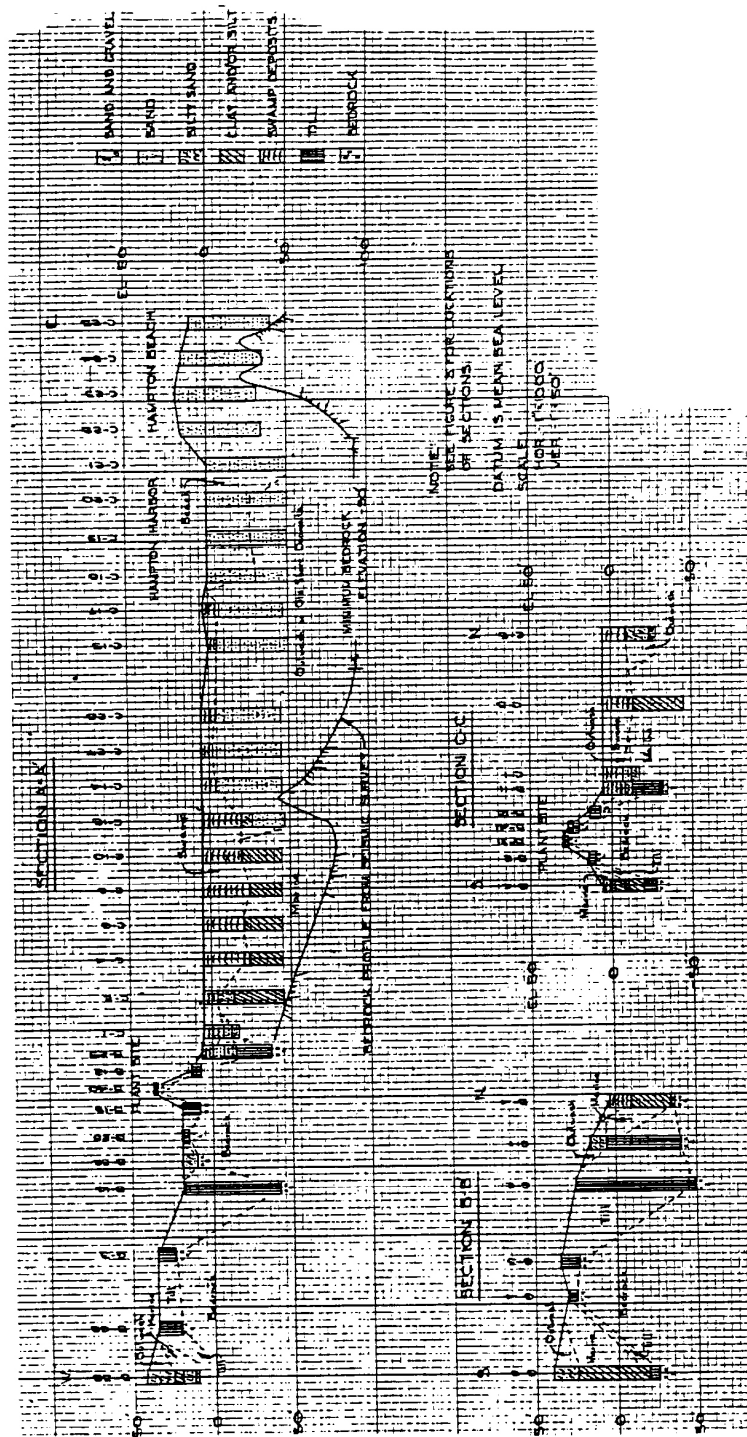
WAVE PARAMETERS

$H = 2.0'$ (WAVE HEIGHT)

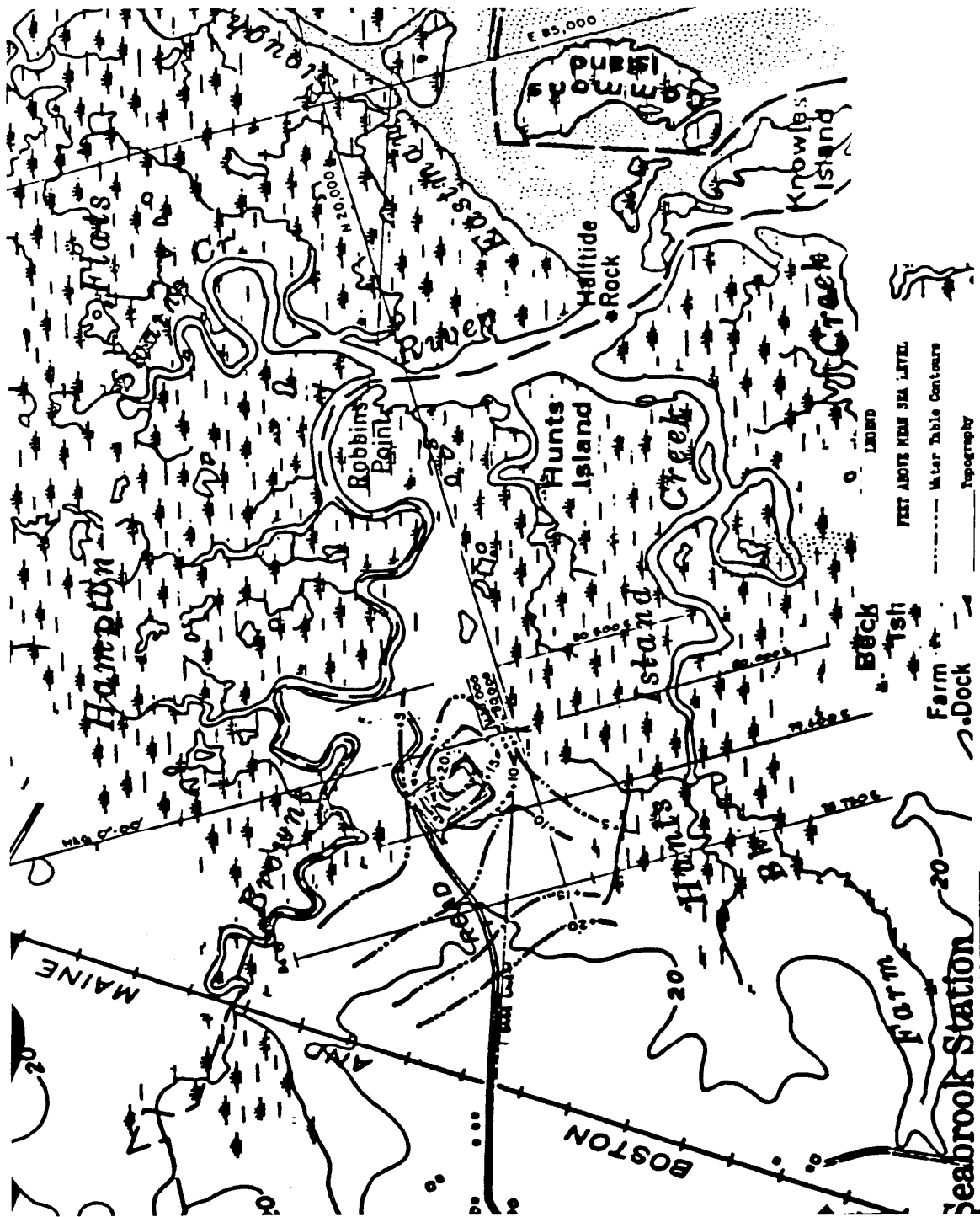
$T = 4.8$ SECONDS (WAVE PERIOD)

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

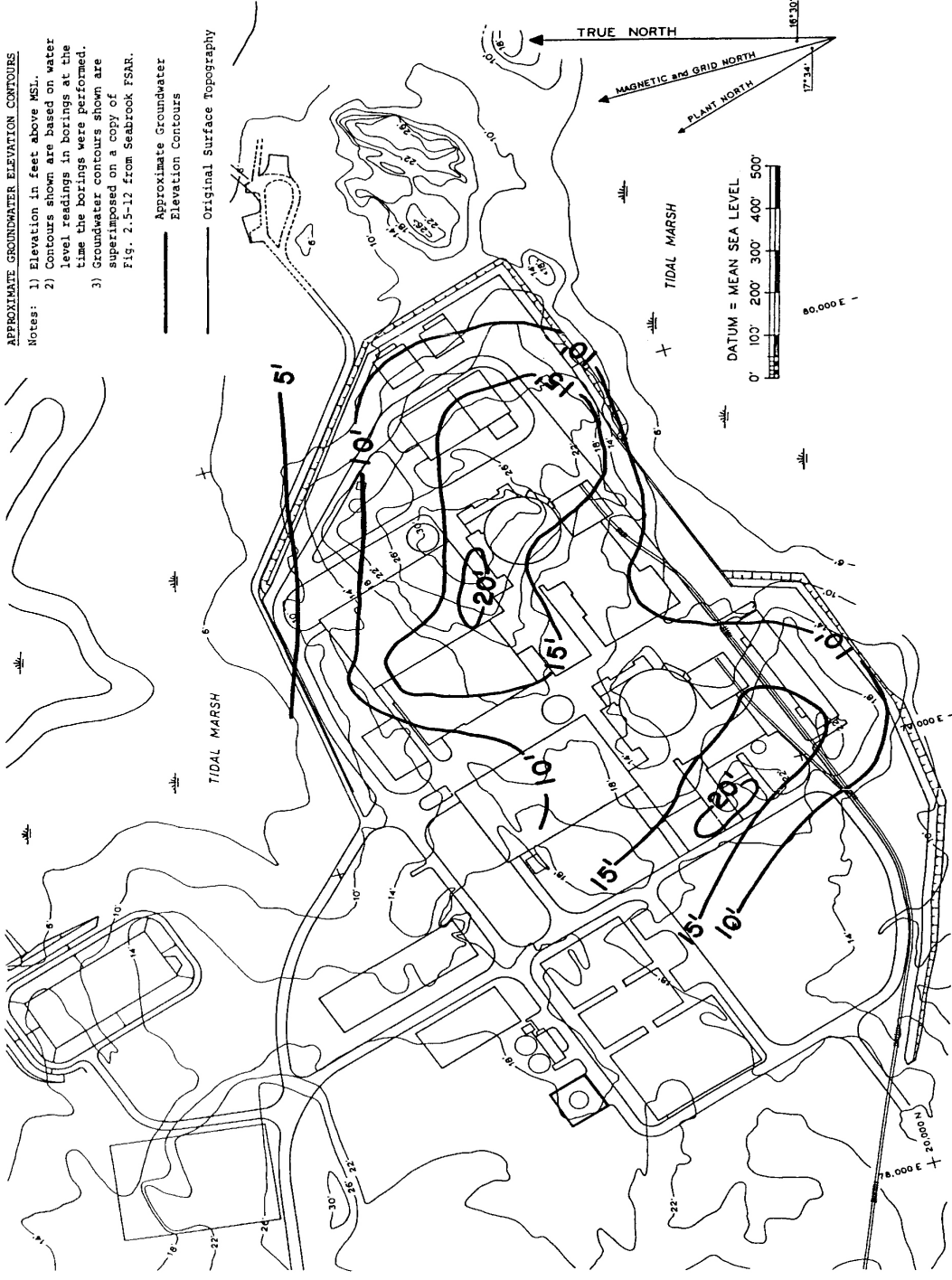
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Wave Pressure Distributions against Seawall and Retaining Wall	
		Figure 2.4-25



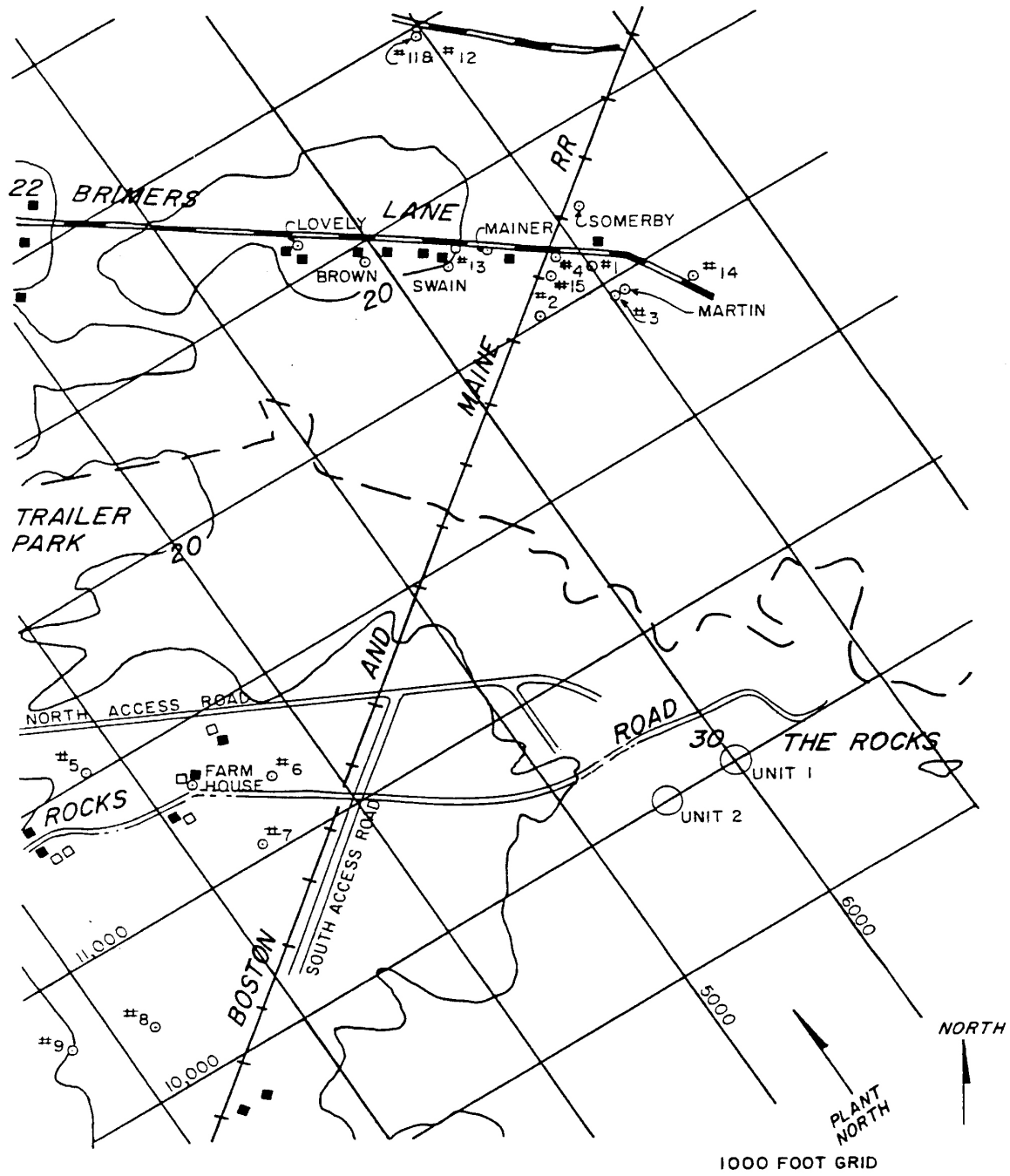
<p>SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT</p>	<p>Geologic Profile of Seabrook Area</p> <p style="text-align: right;">Figure 2.4-27</p>
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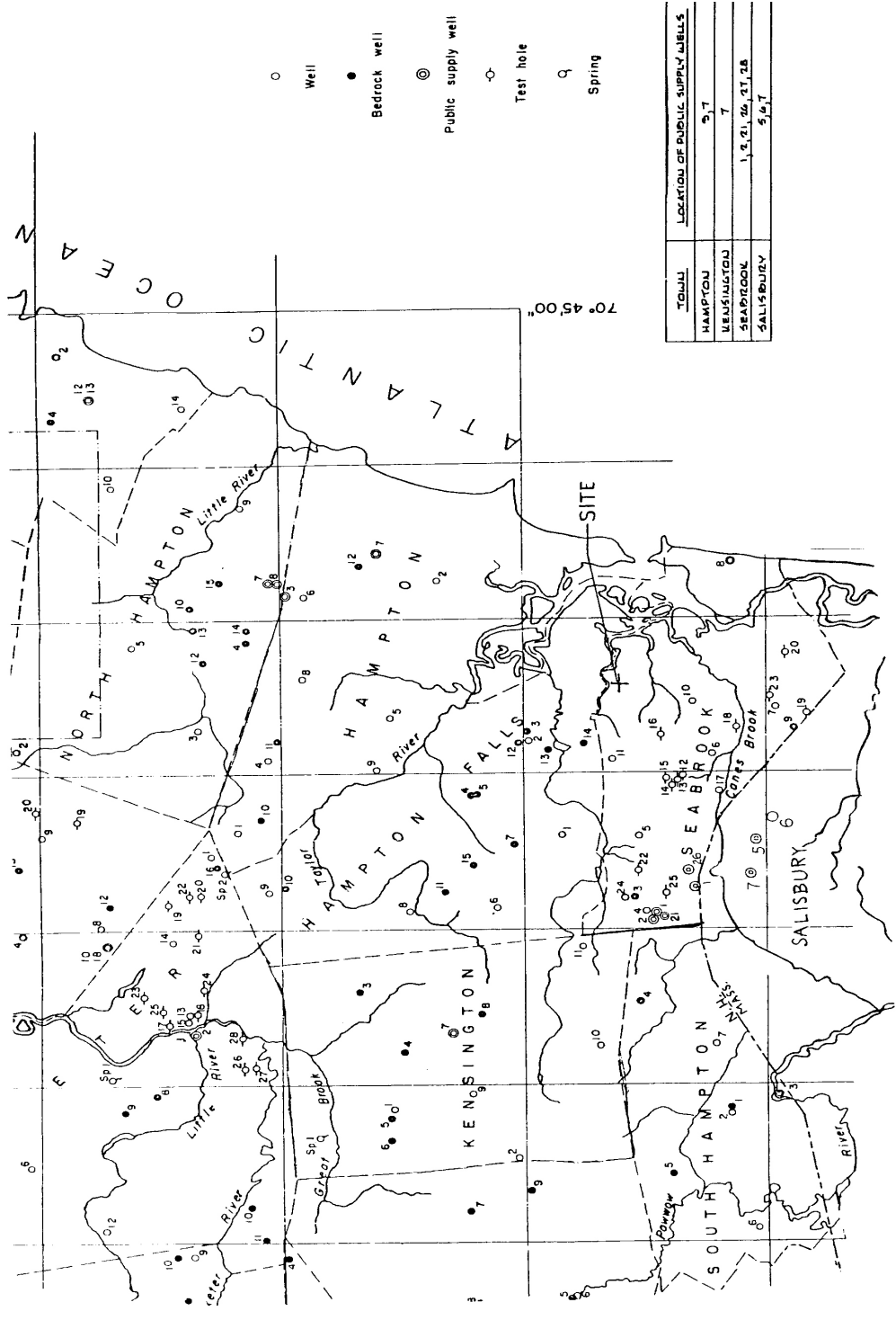
SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Water Table Contours	
	Figure	2.4-28



SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Groundwater Contours in Plant Site Area Prior to Construction	
	Figure	2.4-29

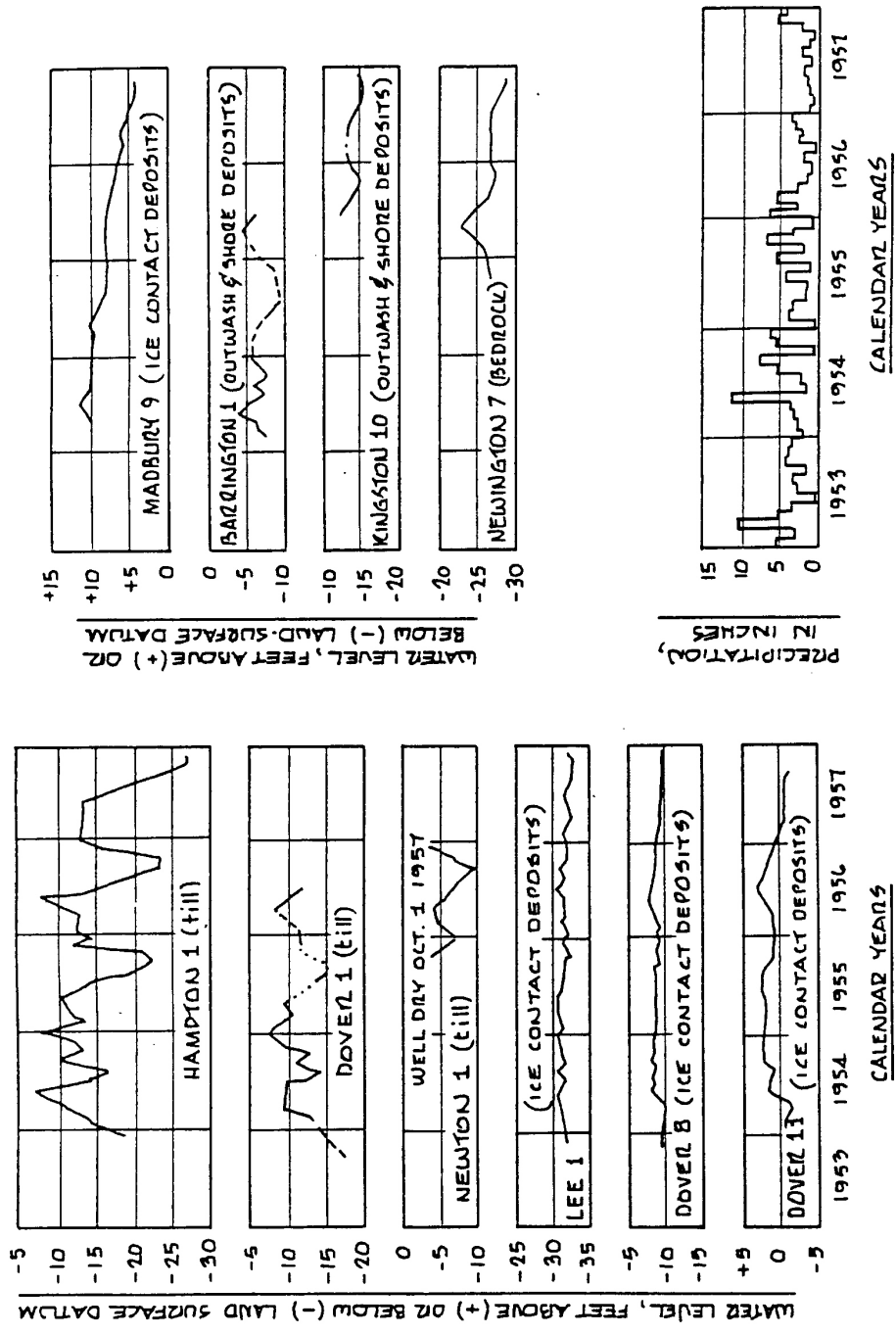


SEABROOK STATION UPDATED FINAL SAFETY ANALYSIS REPORT	Site Vicinity Wells
	Figure 2.4-30



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.