







LEGEND

-  Site Location
-  50-mile (80 km) Ring
-  Limited Access
-  Highway
-  Major Railroad Lines
-  Airport Area

United States Nuclear Regulatory Commission Official Hearing Exhibit
In the Matter of: PSEG POWER, LLC AND PSEG NUCLEAR, LLC
(Early Site Permit Application)



ASLBP #:	15-943-01-ESP-BD01
Docket #:	05200043
Exhibit #:	PSEG004T-MA-BD01
Admitted:	03/24/2016
Rejected:	
Other:	

Identified: 03/24/2016
Withdrawn:
Stricken:



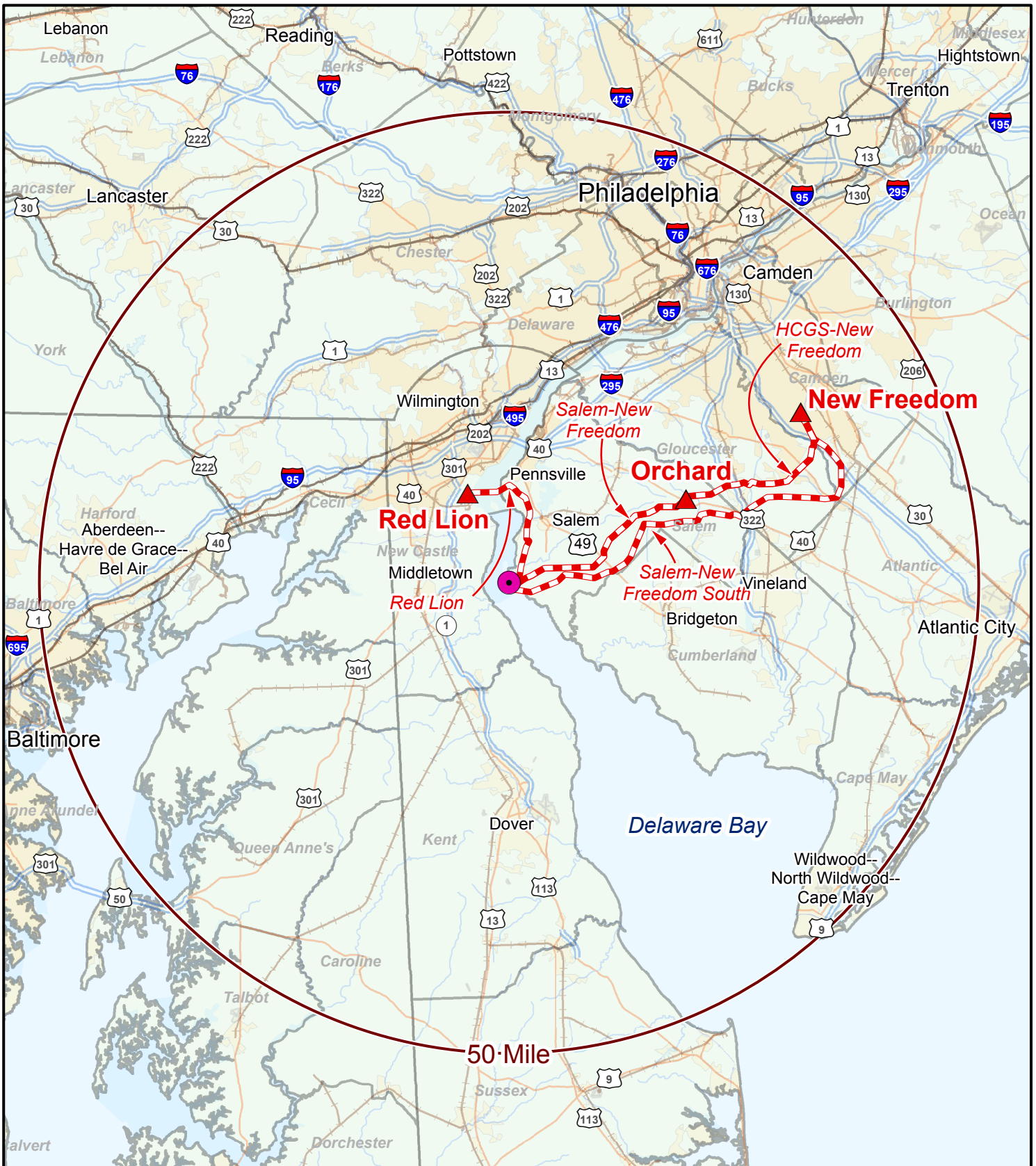
PSEG Power, LLC

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Major Regional Transportation Features

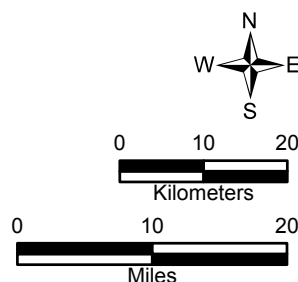
FIGURE 2.2-5

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LEGEND

- Site Location
- ▲ Existing Substation
- 50-mile (80 km) Ring
- - - Existing Transmission Corridors



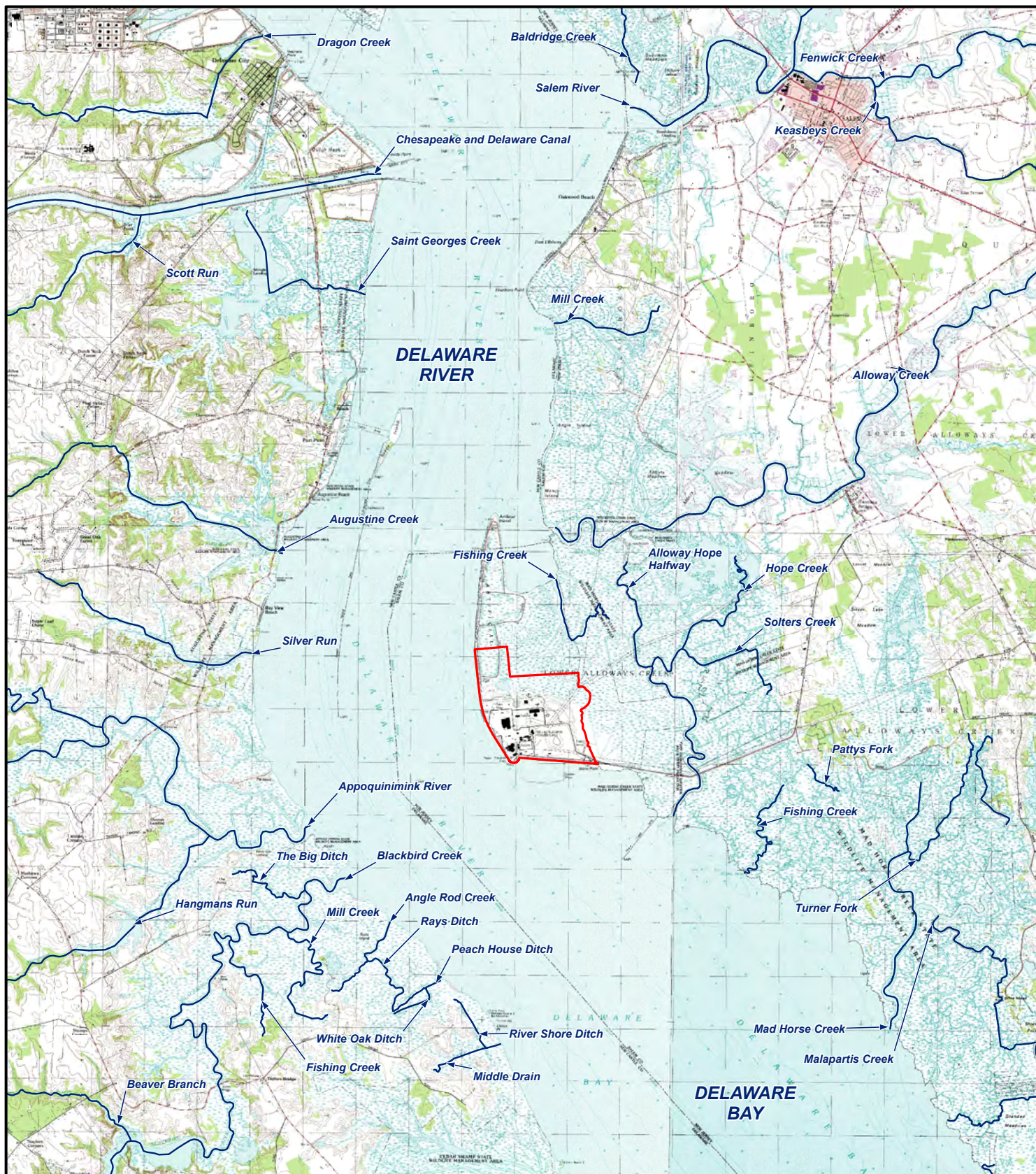
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Existing PSEG
Transmission Corridors

FIGURE 2.2-6

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LEGEND

- Major River/Stream
- Site Boundary



0 1 2
Kilometers

0 1 2
Miles

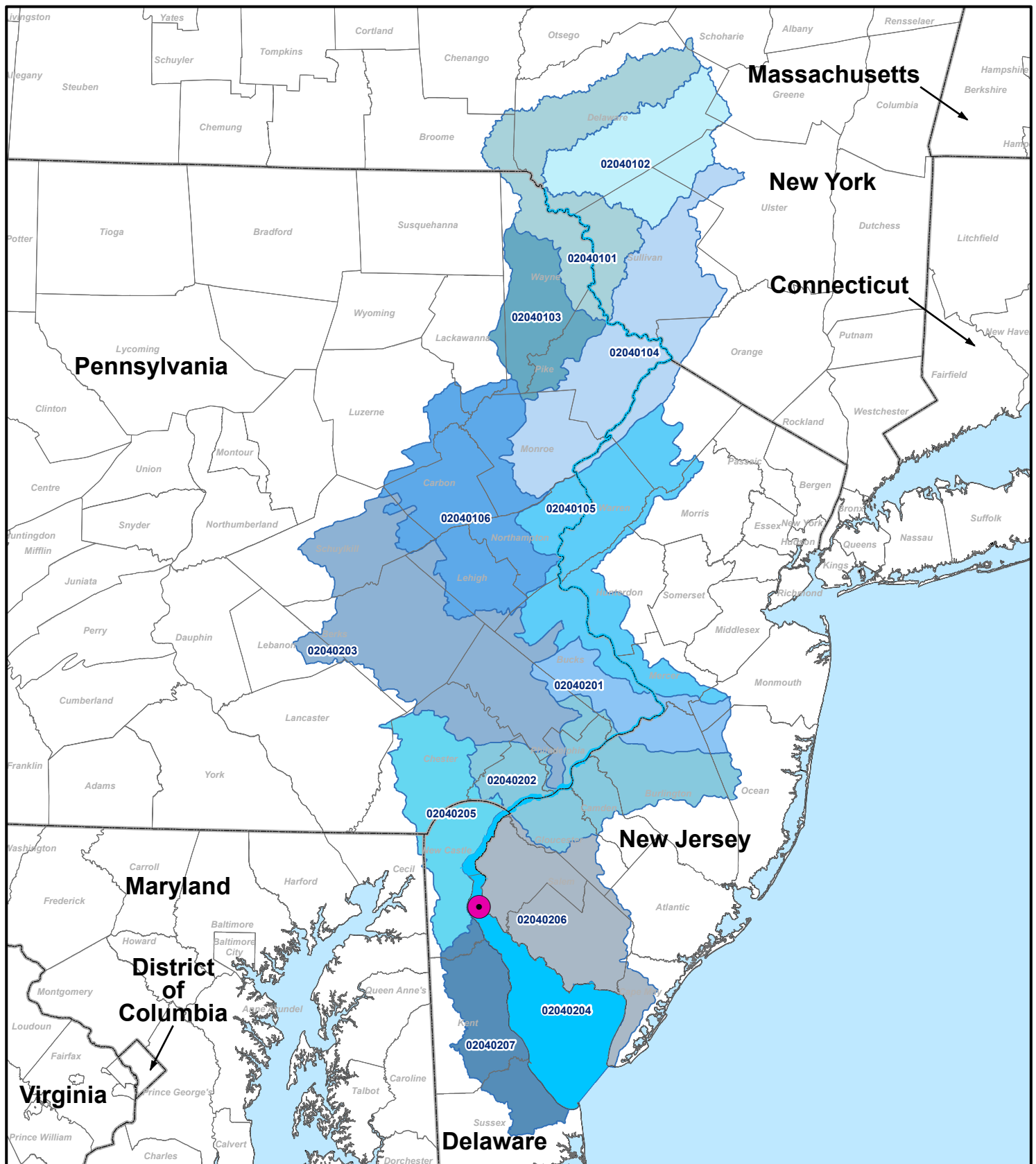
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Site Vicinity -
Surface Water Resources

FIGURE 2.3-1













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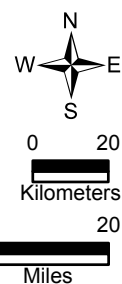


LEGEND

 Site Location

Watershed Sub-basin

- | | |
|--|---|
|  02040101-Upper Delaware |  02040202-Lower Delaware |
|  02040102-East Branch |  02040203-Schuylkill |
|  02040103-Lackawaxen |  02040204-Delaware Bay |
|  02040104-Middle Delaware-Mongaup-Brodhead |  02040205-Brandywine-Christina |
|  02040105-Middle Delaware-Musconetcong |  02040206-Cohansey-Maurice |
|  02040106-Lehigh |  02040207-Broadkill-Smyrna |
|  02040201-Crosswicks-Neshaminy | |



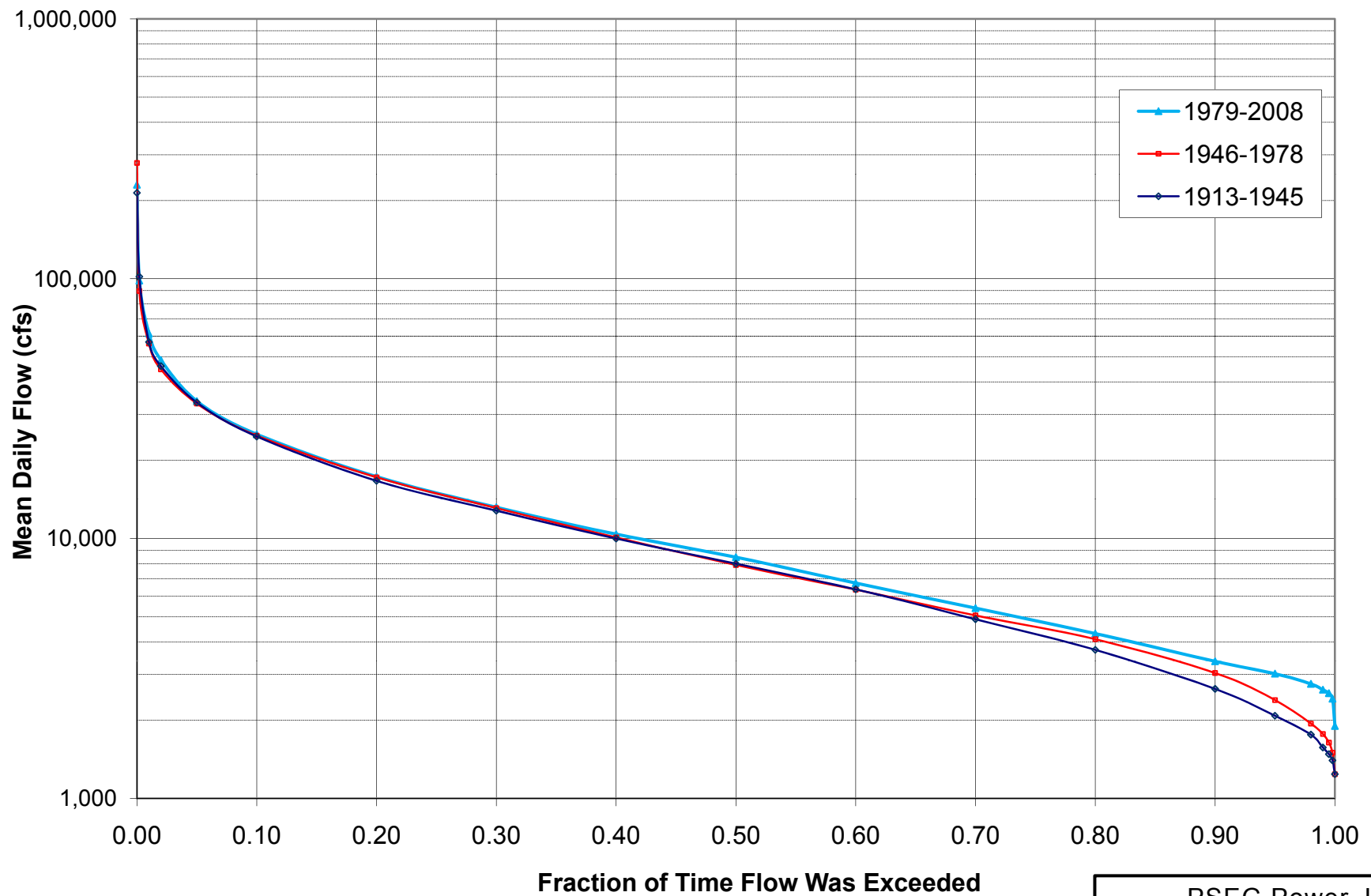
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Delaware River
Watershed

FIGURE 2.3-2

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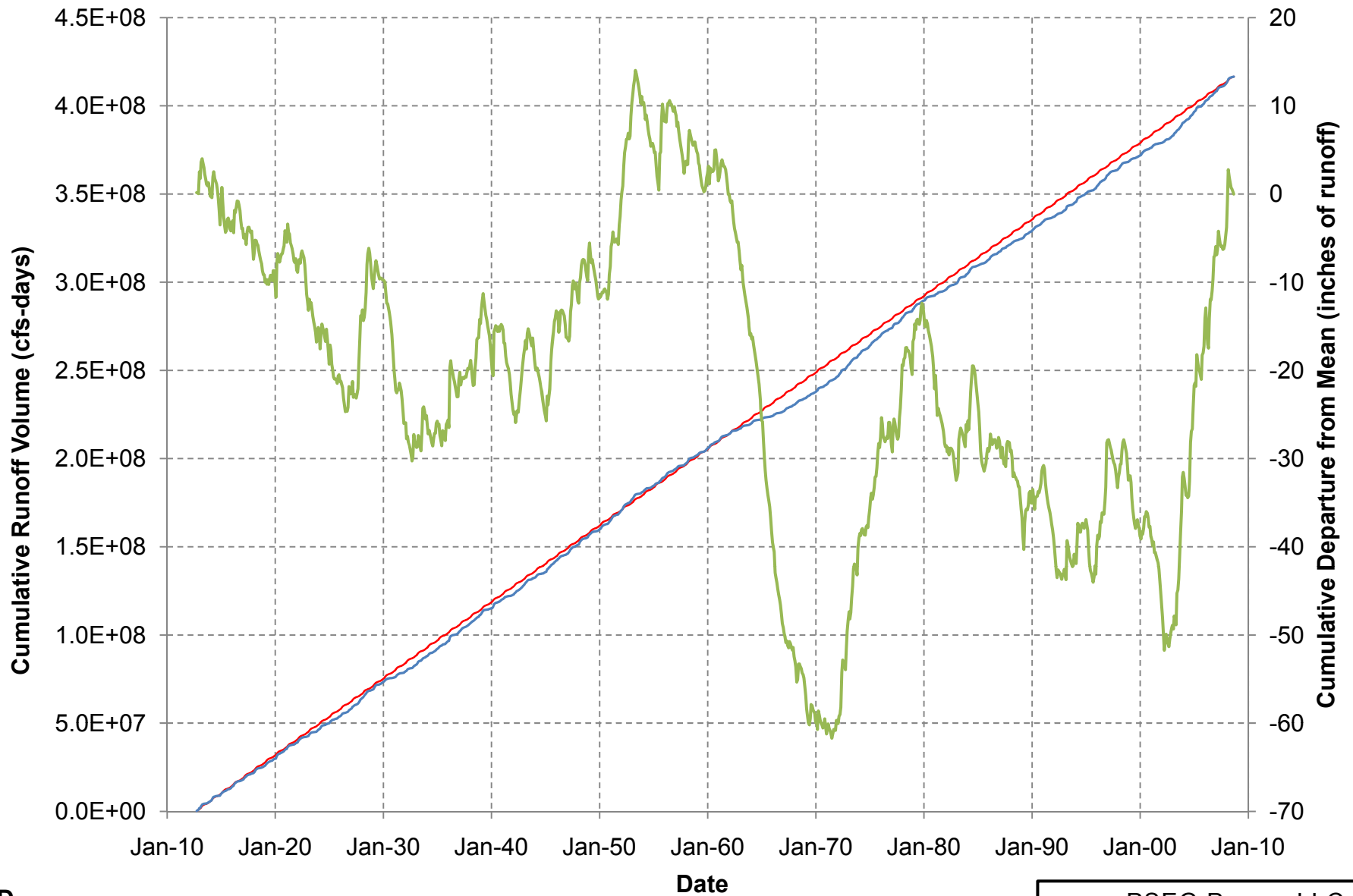
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Daily Mean Flow Duration Curves –
Delaware River at Trenton NJ

FIGURE 2.3-3

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LEGEND

- Mean Cumulative Runoff
- Cumulative Monthly Runoff
- Departure from Mean

Reference: 2.3-87

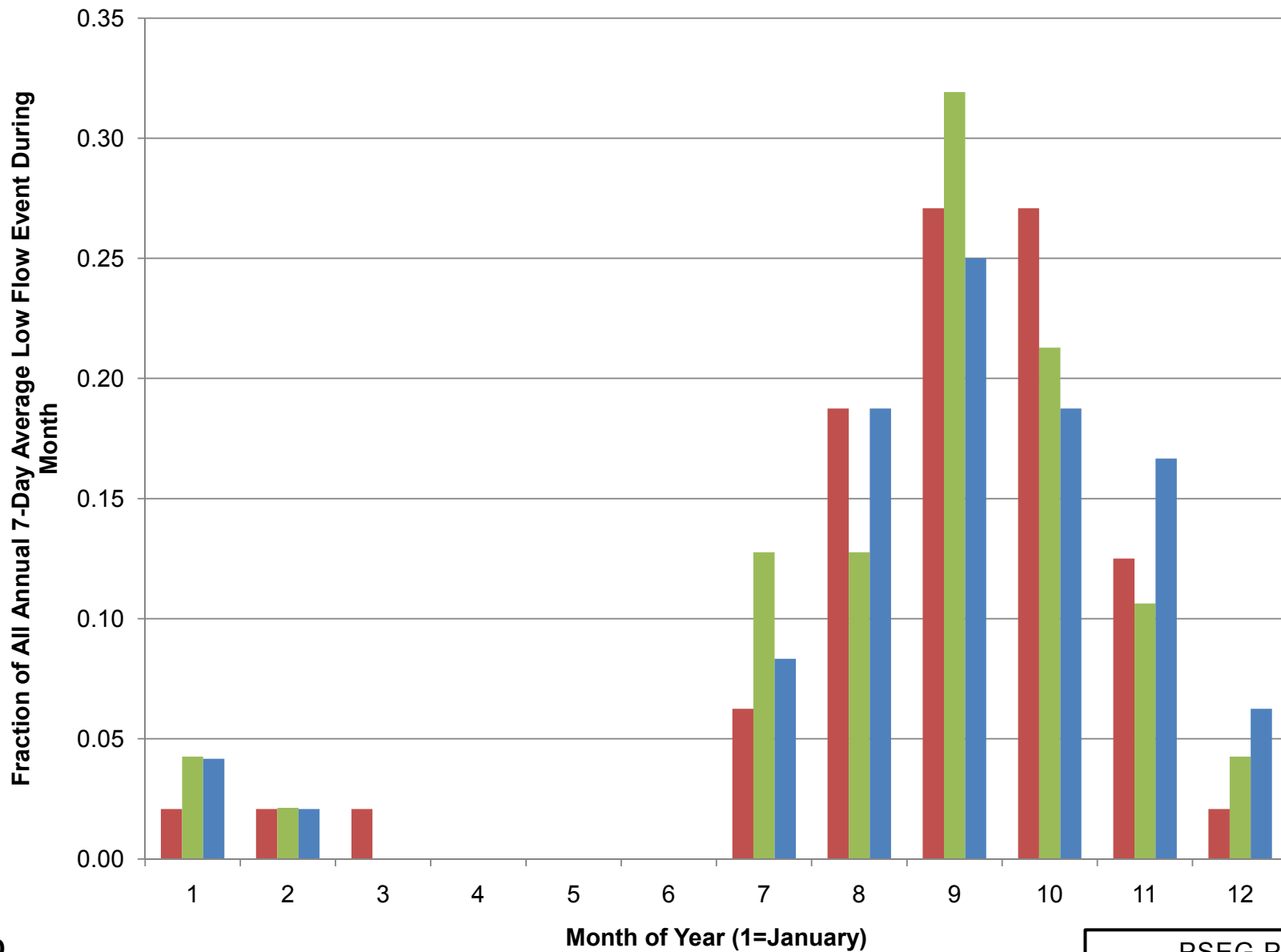
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Delaware River at Trenton NJ –
Cumulative Flow Volume and Departure
from Long-Term Average

FIGURE 2.3-4

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LEGEND

- 1914-1962
- 1963-2008
- 1914-2008 (top 48)

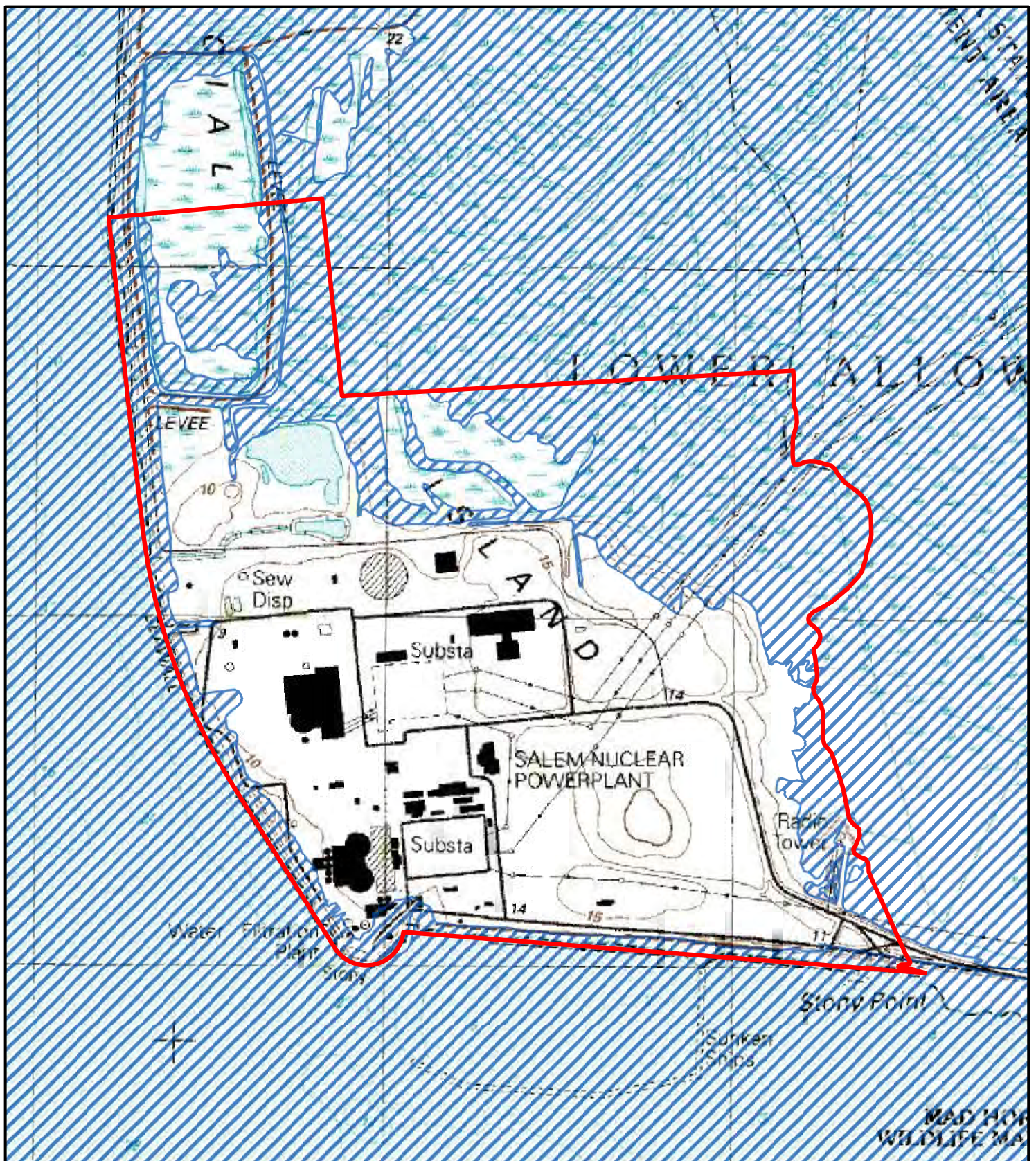
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Delaware River at Trenton NJ –
Seasonal Distribution of Annual Minimum
7-Day Average Low Flow

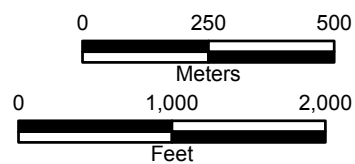
FIGURE 2.3-5

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LEGEND

- ▮ Site Boundary
- ▮ FEMA 100 Year Flood Plain (9' Elevation)



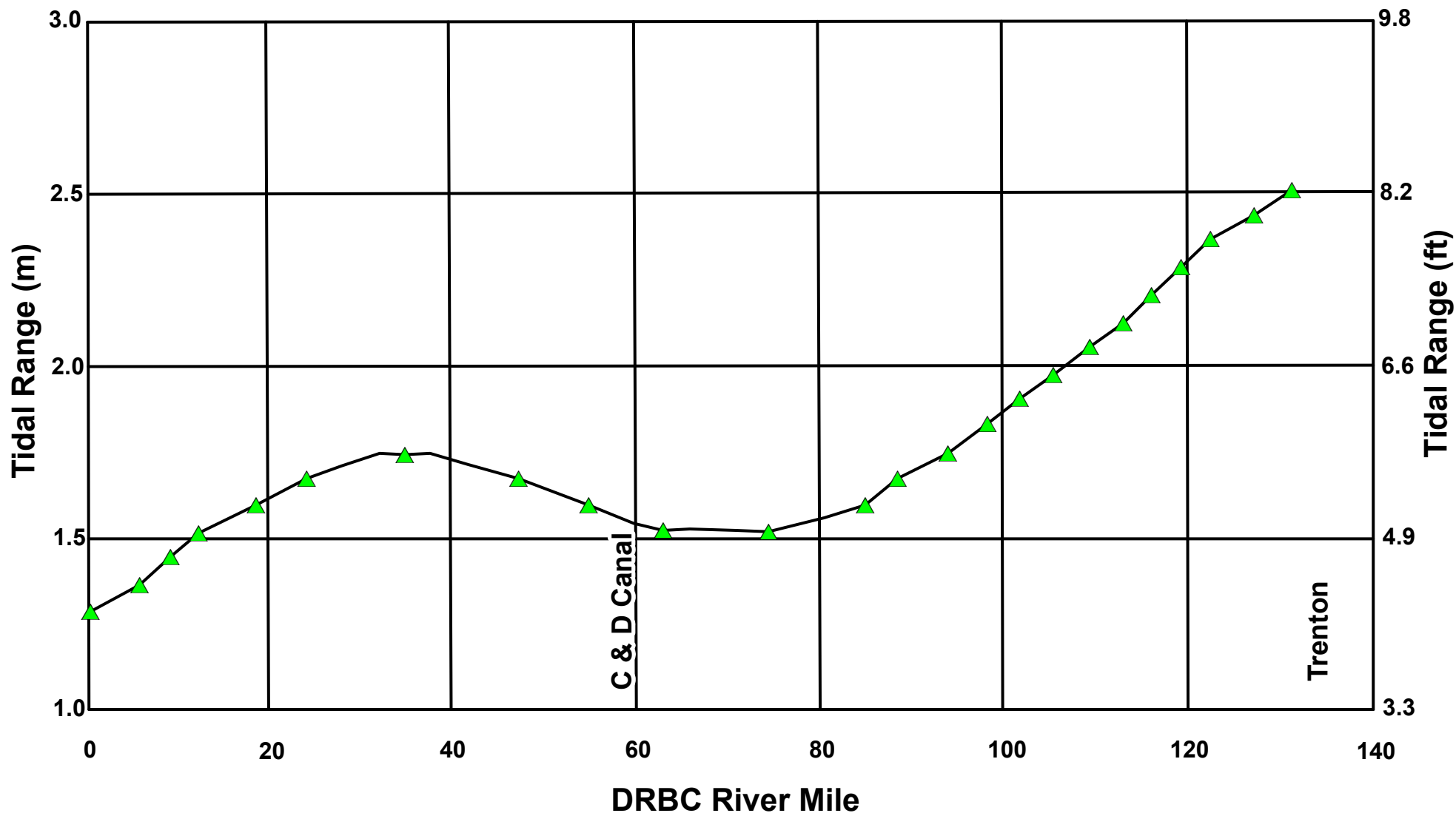
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FEMA 100 Year
Flood Plain - PSEG Site

FIGURE 2.3-6

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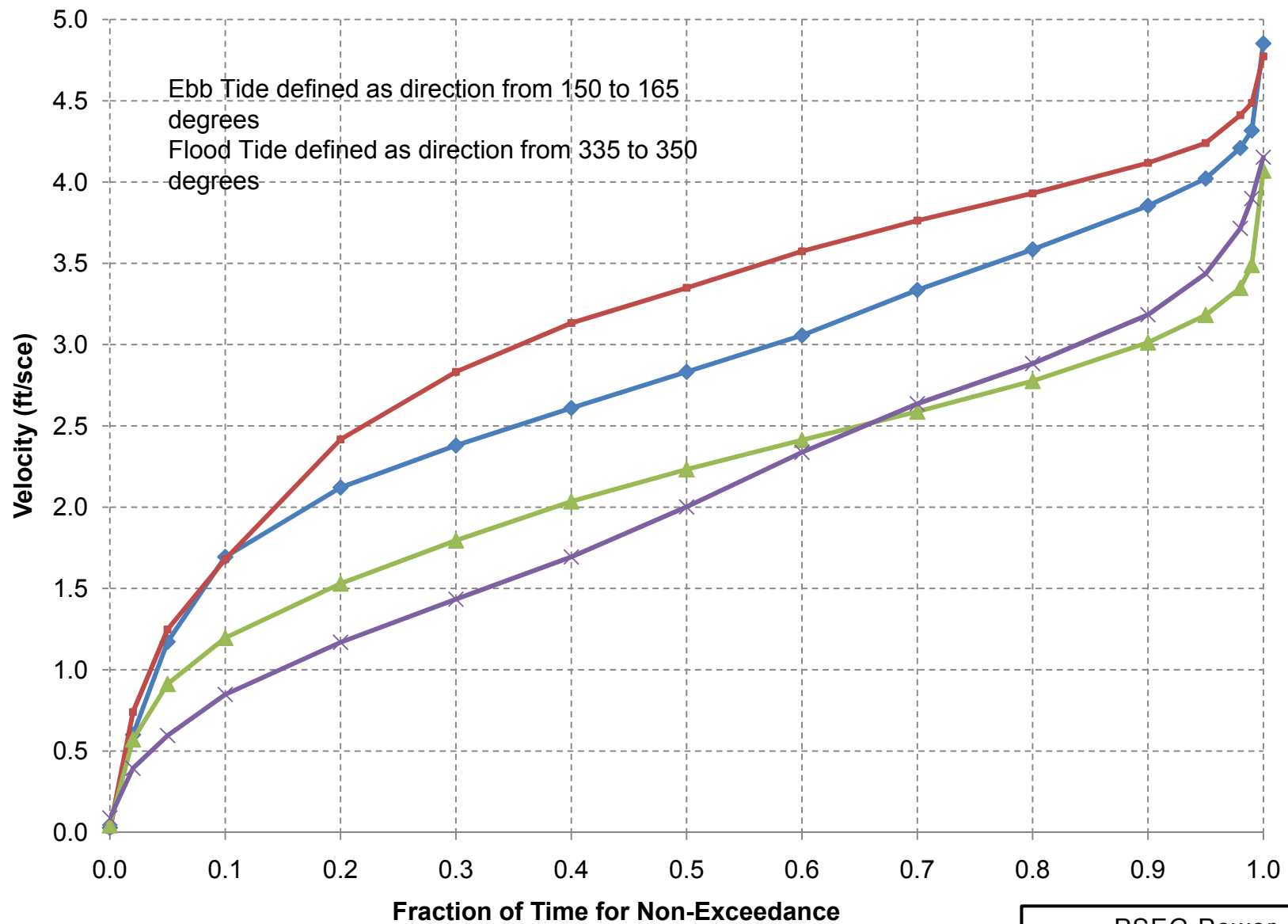
▲ DRBC River Mile Location

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Delaware Estuary Tidal Ranges
Along the Navigation Channel

FIGURE 2.3-7

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LEGEND

- ◆— Ebb (Feb-Jun 2009)
- Ebb (Jun-Sep 2008)
- ▲— Flood (Feb-Jun 2009)
- ×— Flood (Jun-Sep 2008)

Reference: 2.3-38

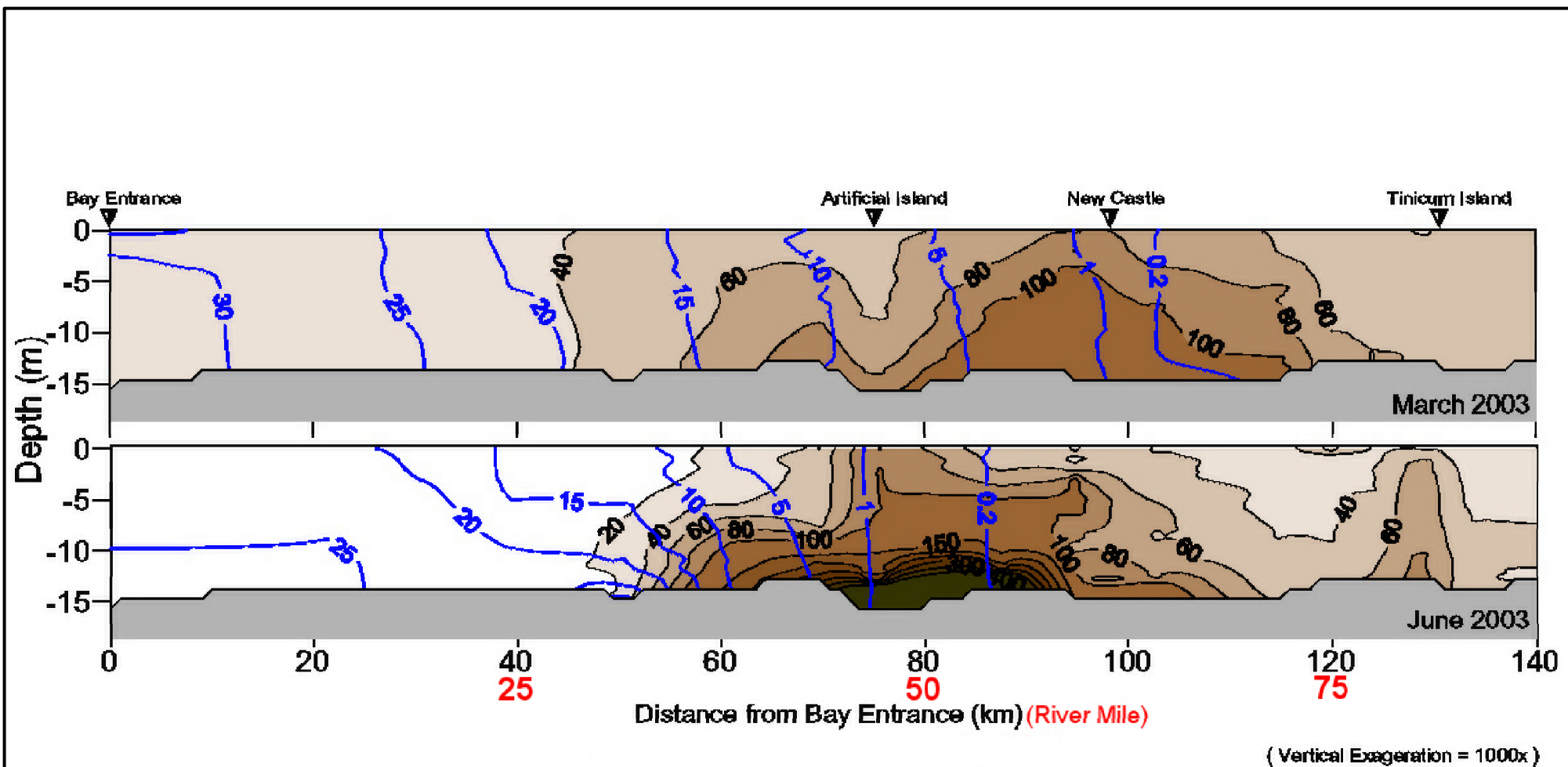
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Ebb and Flood Tide Current Velocity
Duration Curves - Reedy Point

FIGURE 2.3-8

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LEGEND

- Salinity Concentration
- Suspended-Sediment Concentration

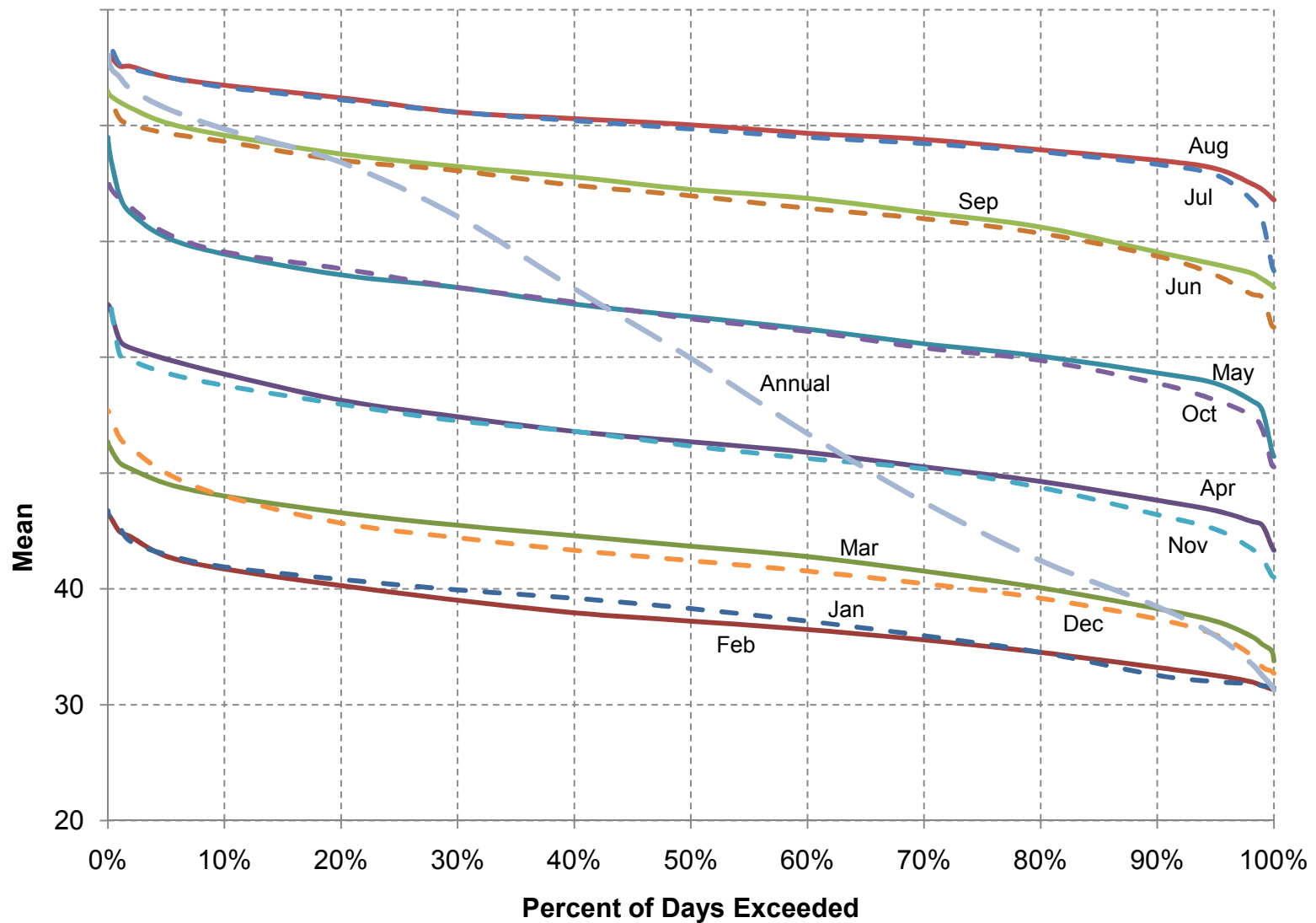
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Hydrographic Transects of Salinity
and Suspended-Sediment Concentration
in the Delaware Estuary

FIGURE 2.3-9

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LEGEND

— Aug	— May	— Mar
- - Jul	- - Oct	- - Dec
— Sep	— Apr	— Feb
- - Jun	- - Nov	- - Jan
- - Annual		

Reference: 2.3-74

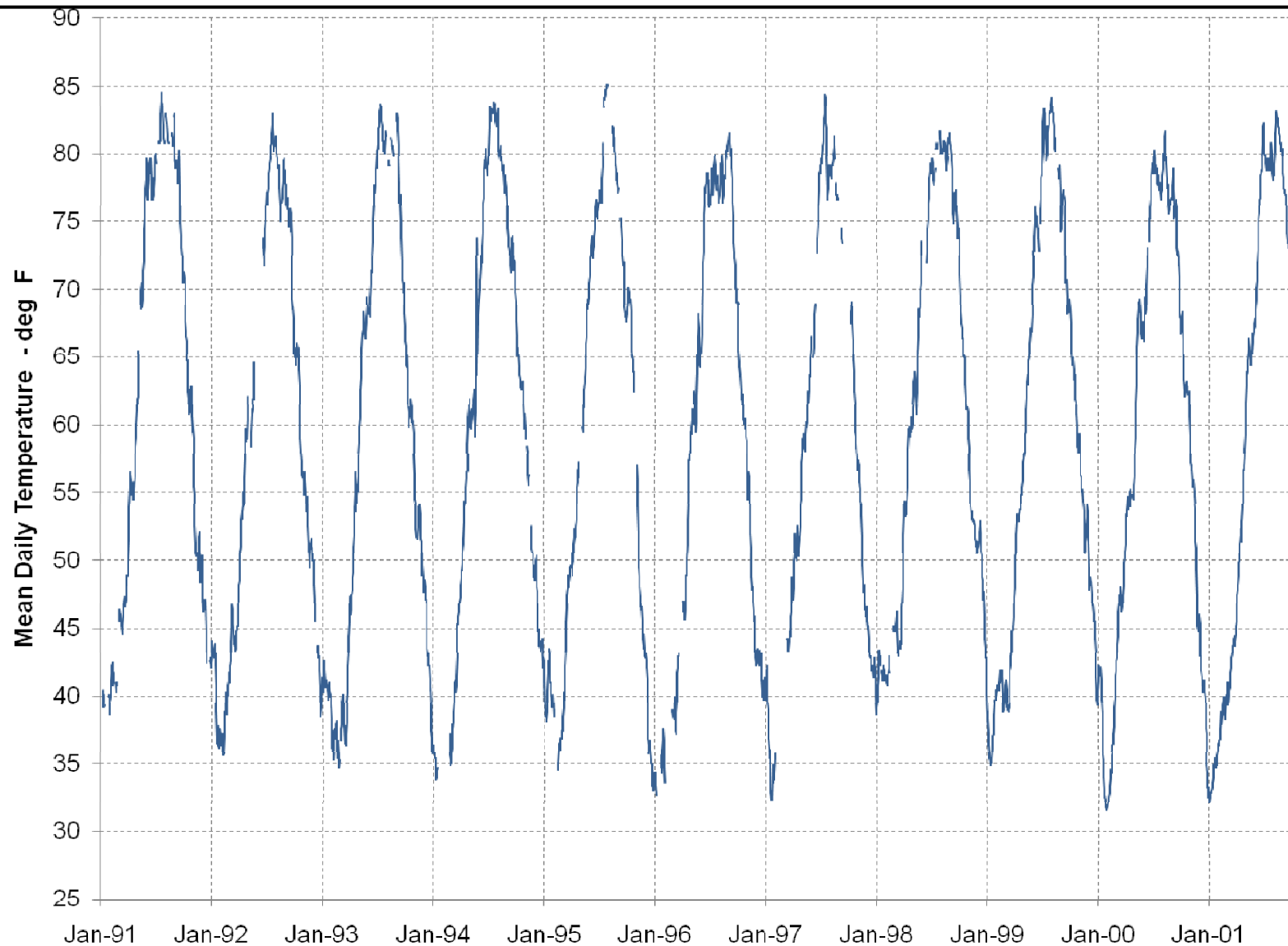
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Daily Mean Water
Temperature Duration Curves -
Reedy Island Jetty

FIGURE 2.3-10

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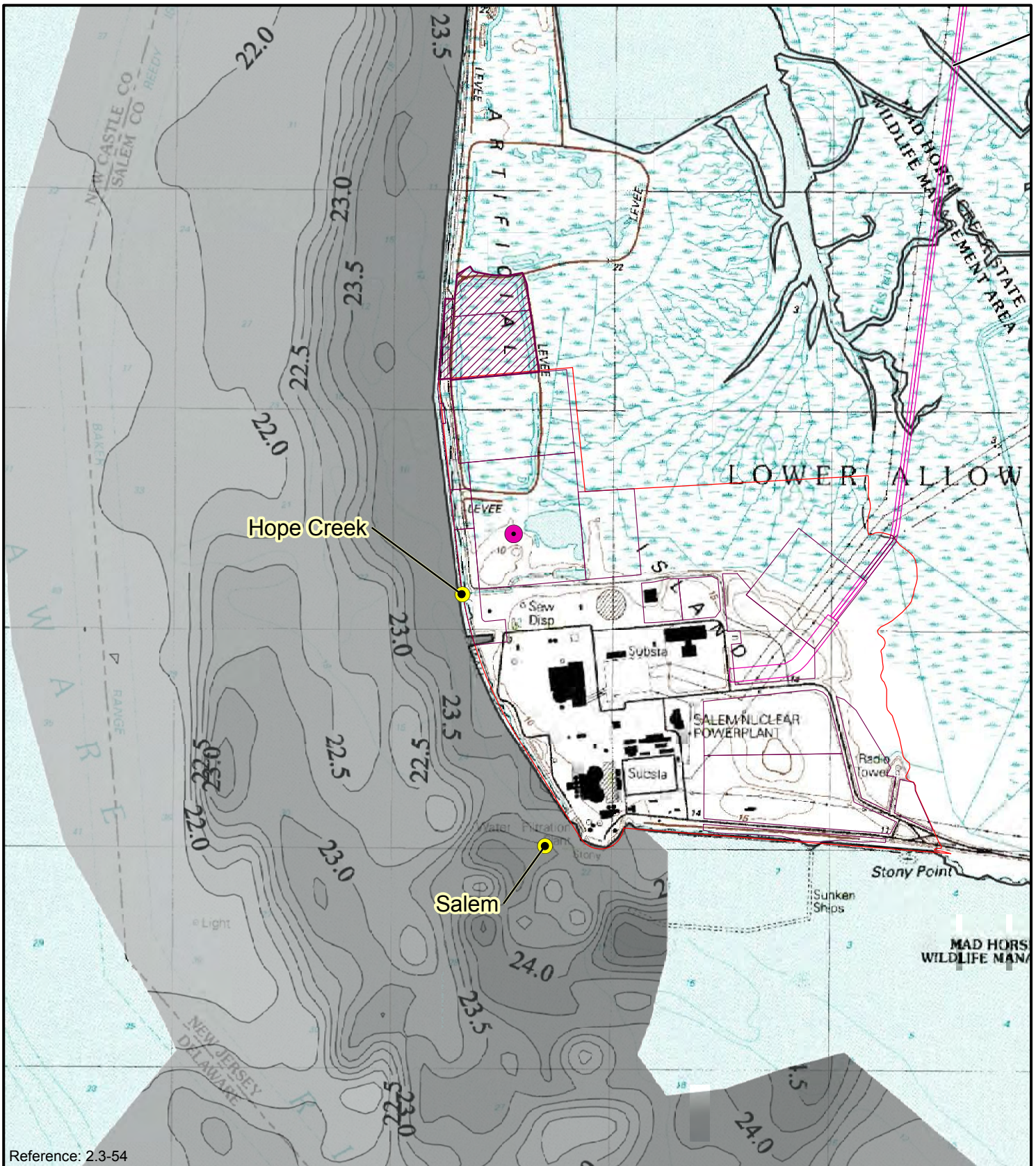
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Mean Daily Average
Water Temperature
at Reedy Island Jetty (USGS)

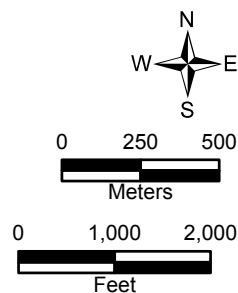
FIGURE 2.3-11

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Legend

- Site Location
- Plant Discharge
- Surface Temperature (deg C) Contour
- Site Boundary
- Adjacent Off-site Area
- Causeway



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 Contours of Measured Surface
 Temperatures for a Flood
 Phase on May 29, 1998
FIGURE 2.3-12

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