Figure 2.3-53— Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, September 2006

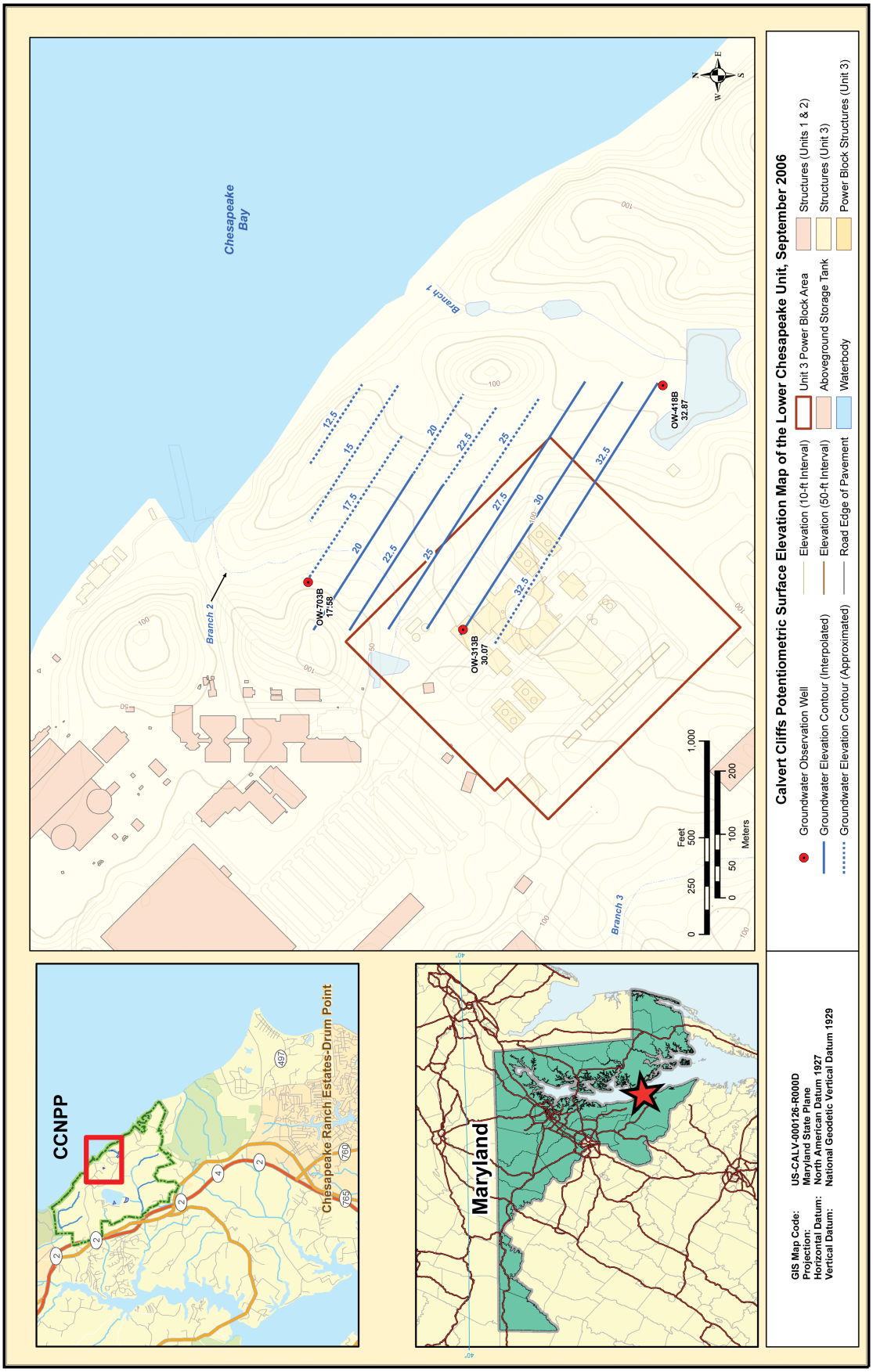

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Figure 2.3-54— Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, December 2006

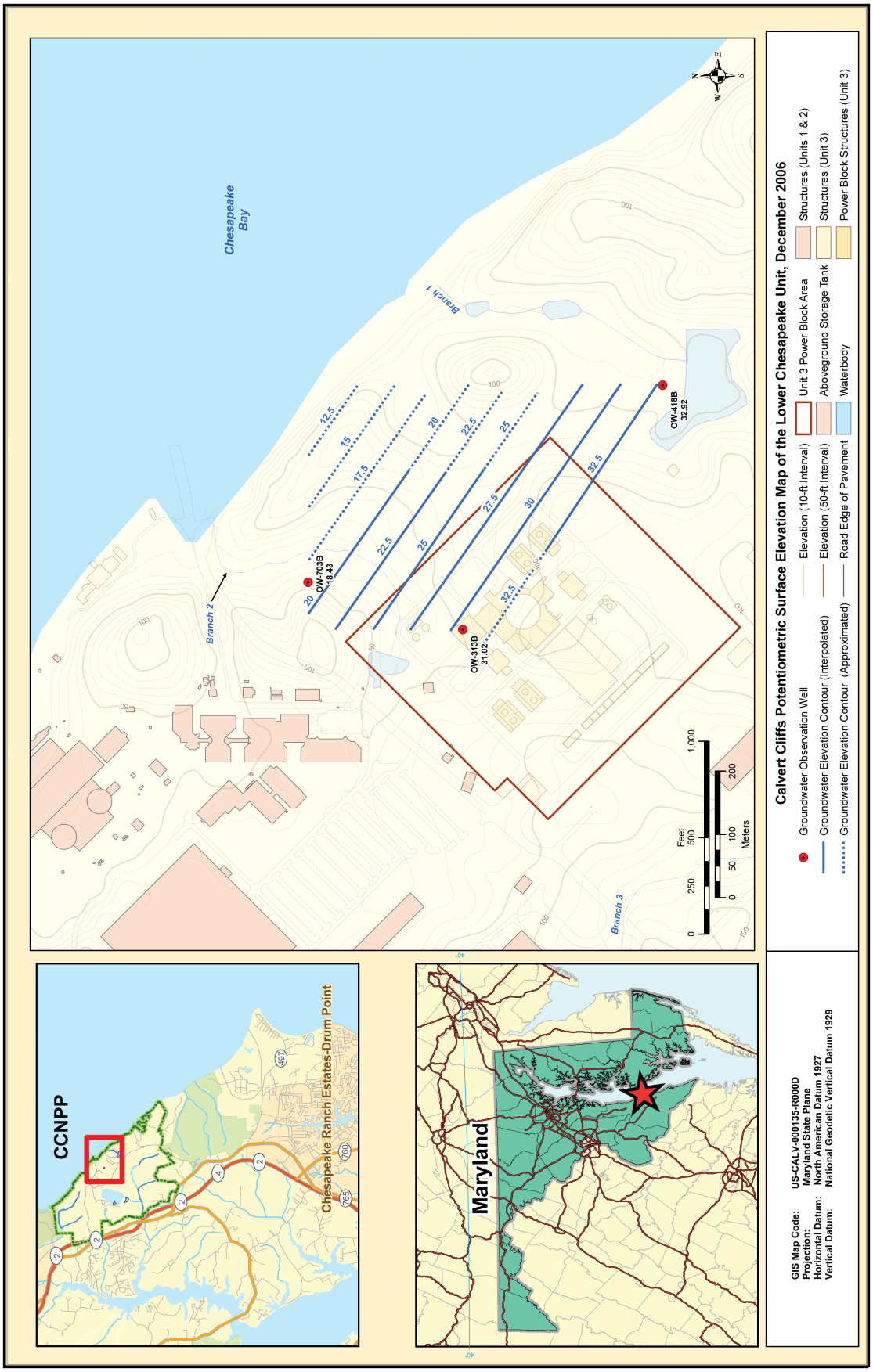

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Figure 2.3-55— Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, March 2007

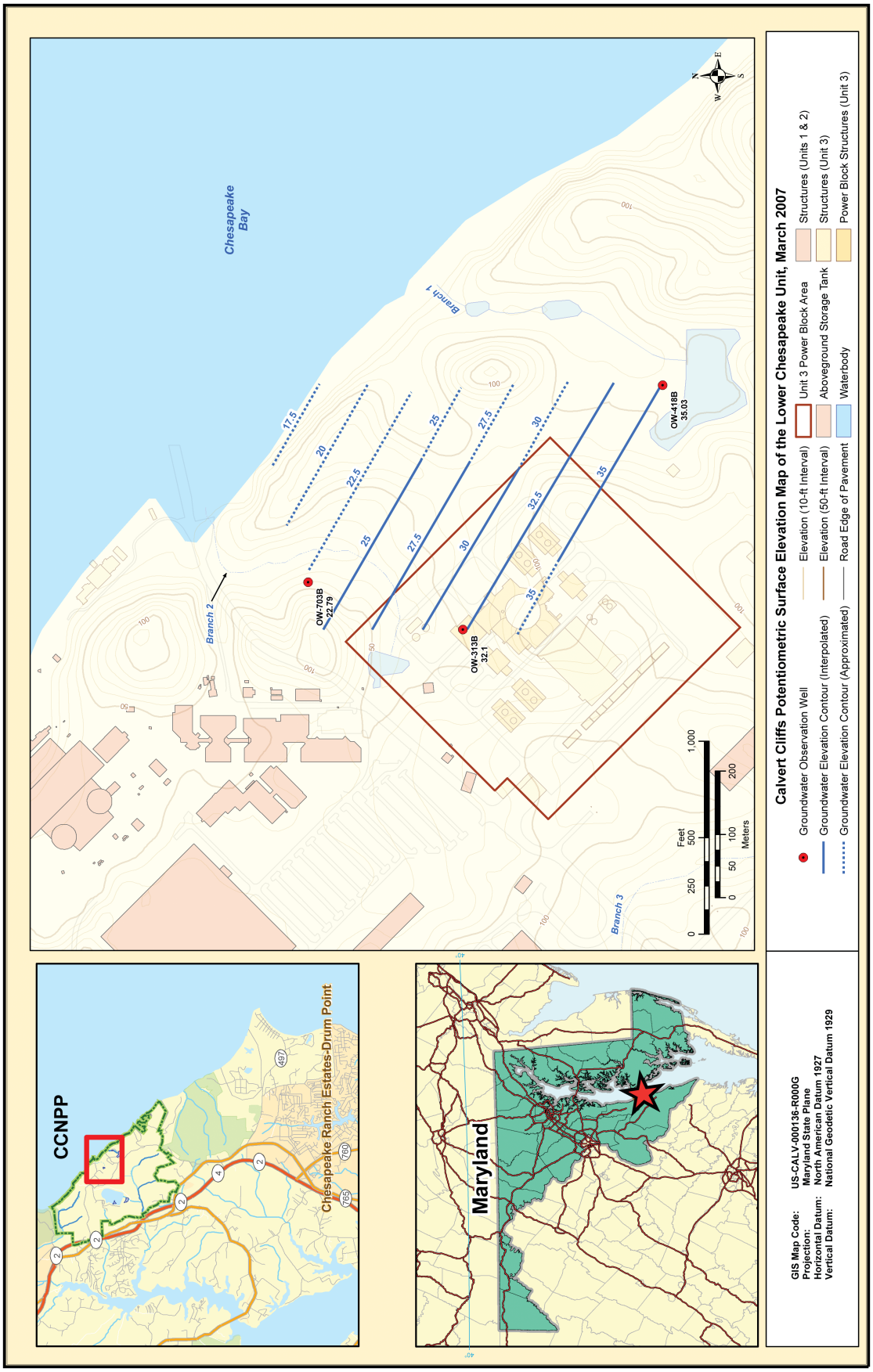

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Figure 2.3-56— Hydrological System of the CCNPP Unit 3 Site Including Consumptive Surface Water Use Information

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Figure 2.3-57— Non-Consumptive Surface Water Use Information

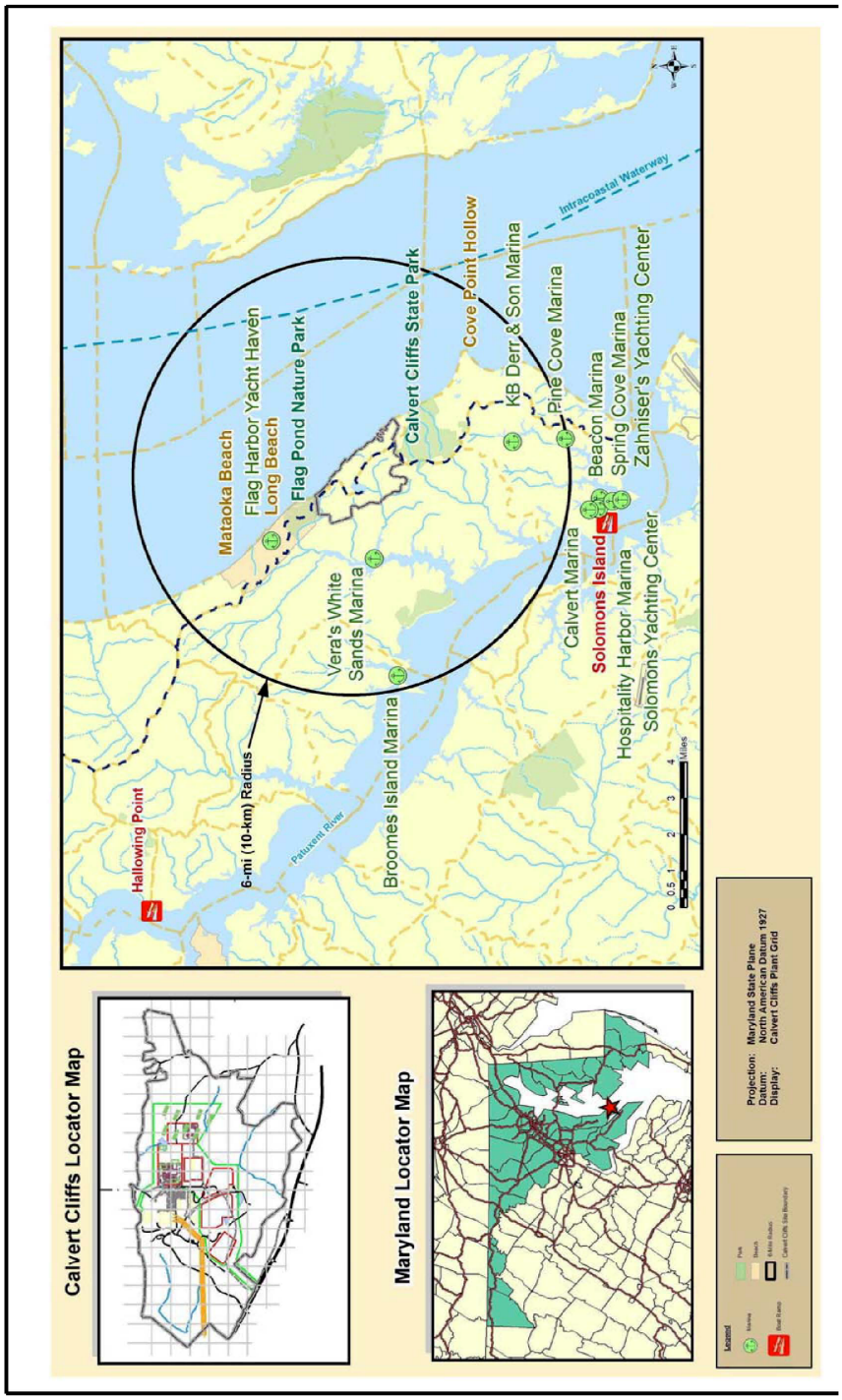

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Figure 2.3-58— US EPA Region 3 Sole Source Aquifiers

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Figure 2.3-59— Projected Location of Nearest Offsite Groundwater Well and Community Water Supply System

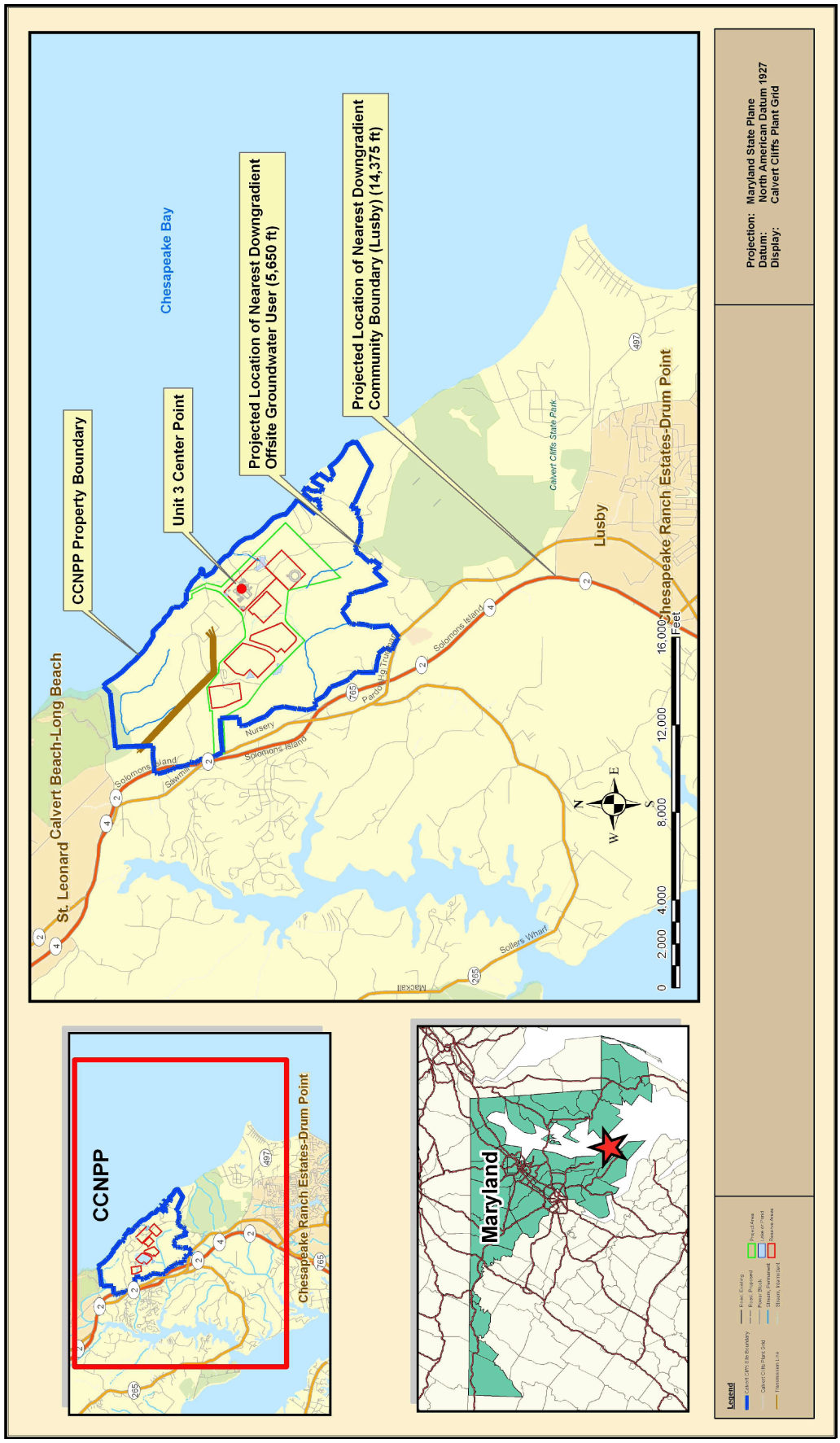

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Figure 2.3-60— CCNPP Water Production Wells

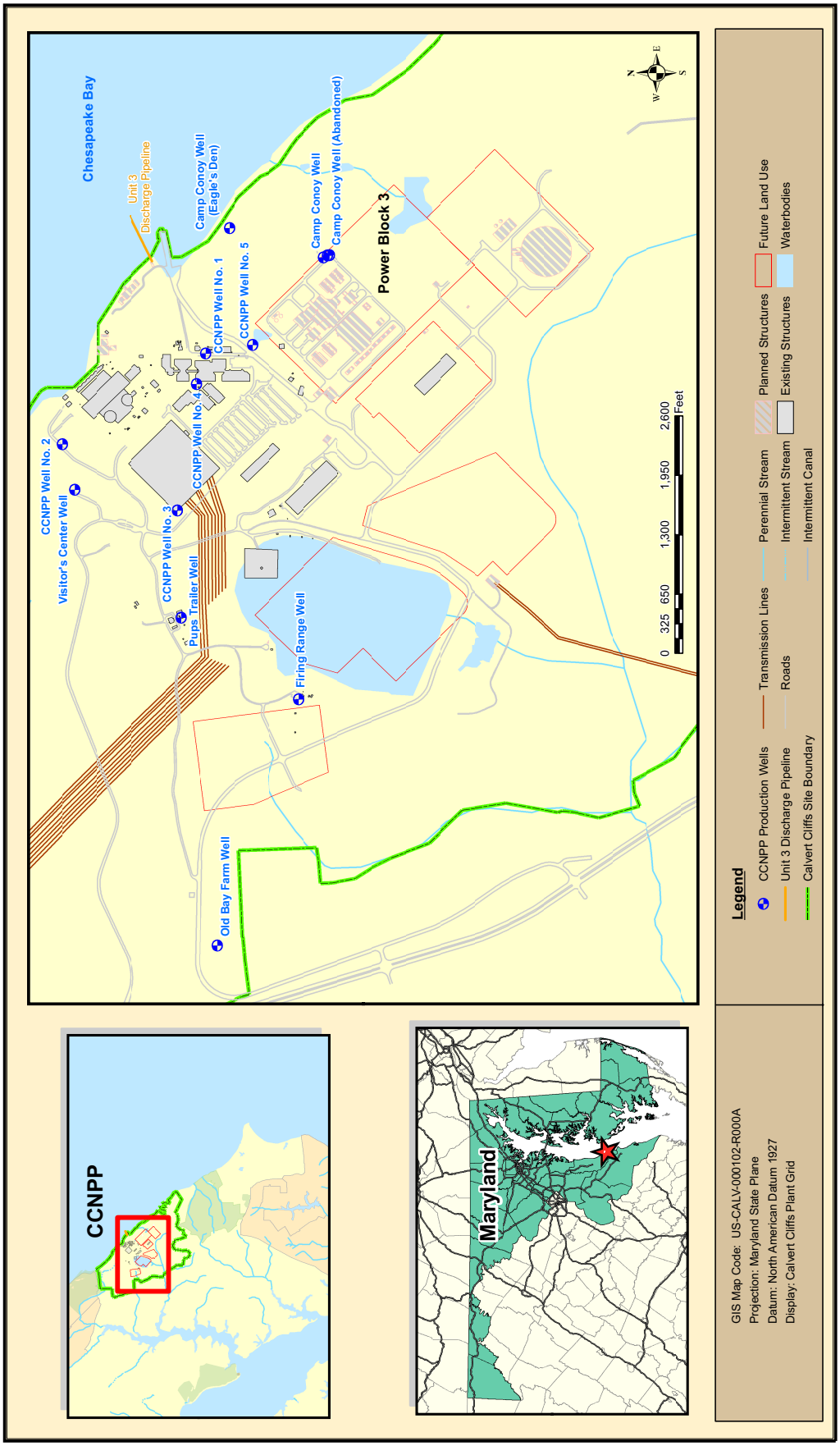

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Figure 2.3-61— The Difference Between the Potentiometric Surfaces of the Aquia Aquifier, September 1982 and September 2003, in Southern Maryland

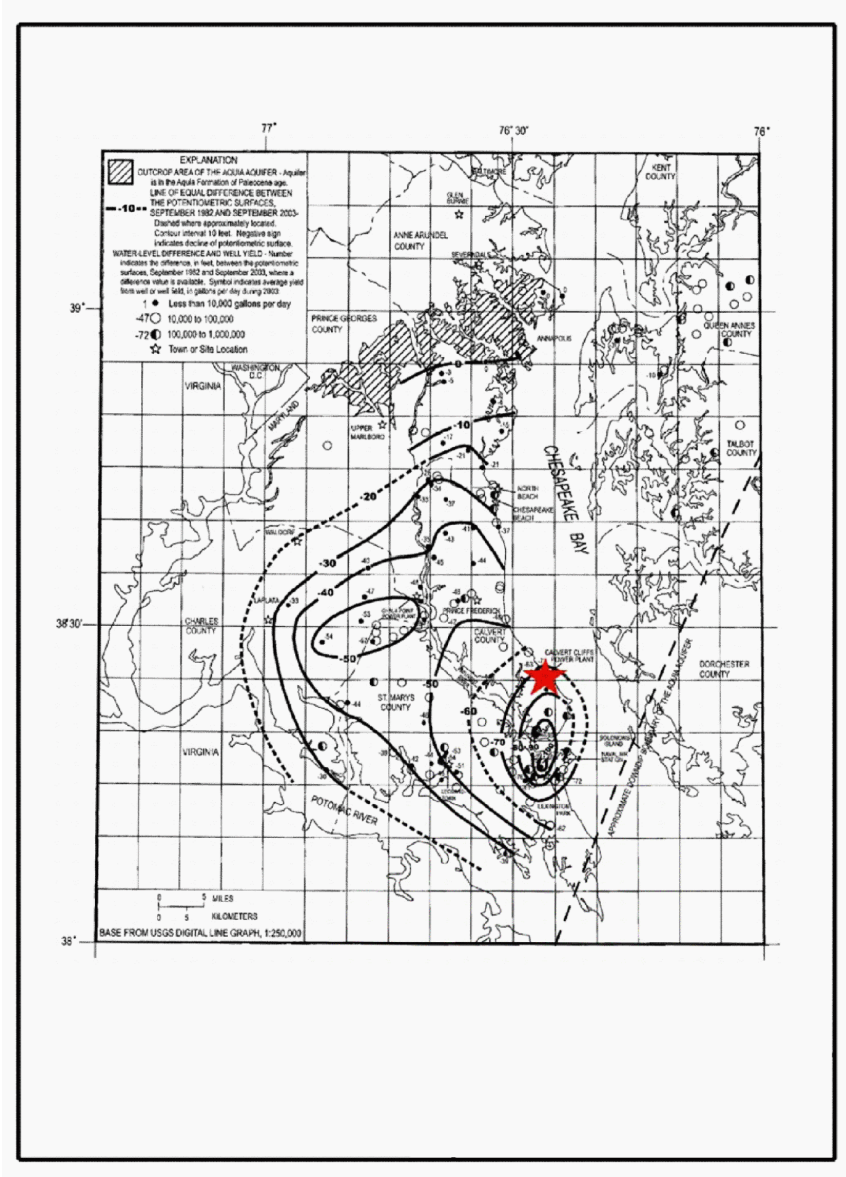

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Figure 2.3-62— The Difference Between the Potentiometric Surfaces of the Magothy Aquifer, September 1975 and September 2003, in Southern Maryland

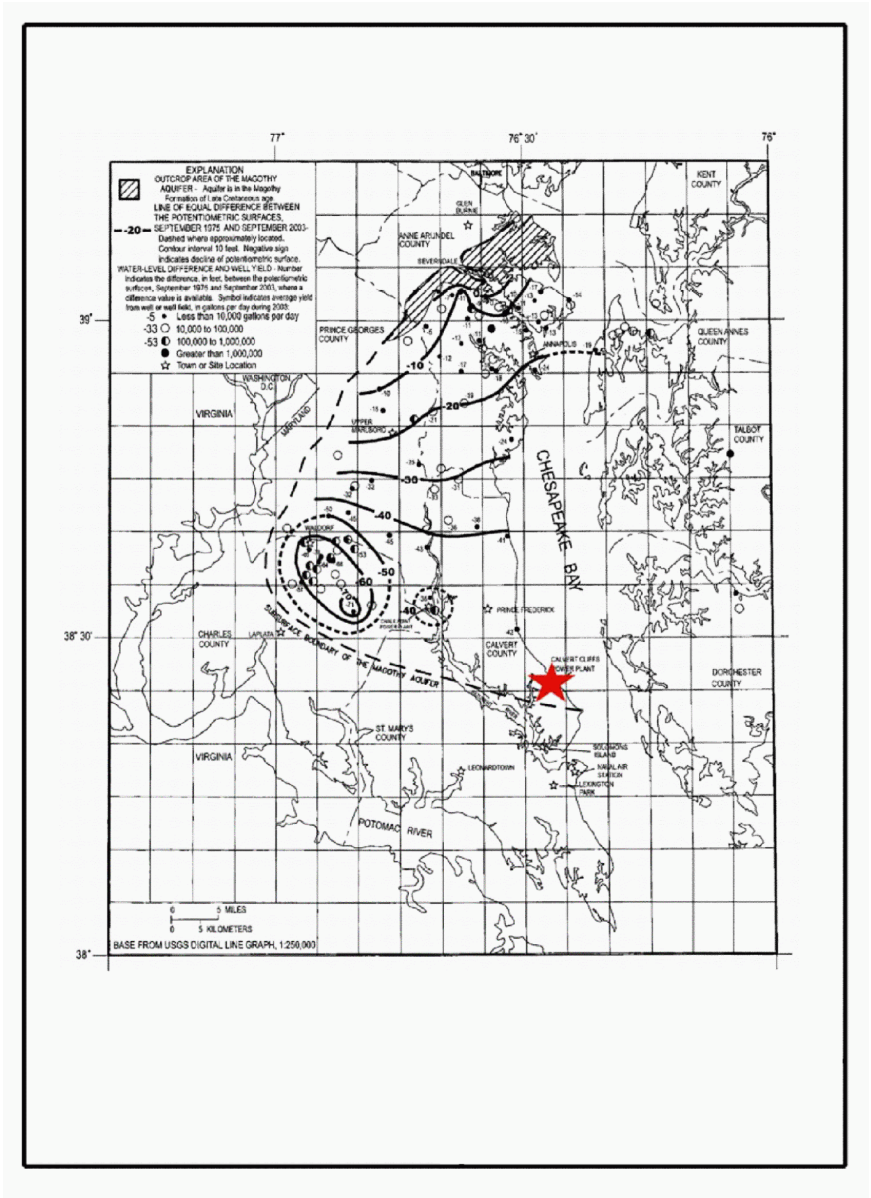

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Figure 2.3-63— The Difference Between the Potentiometric Surfaces of the Upper Patapsco Aquifier, September 1990 and September 2003, in Southern Maryland

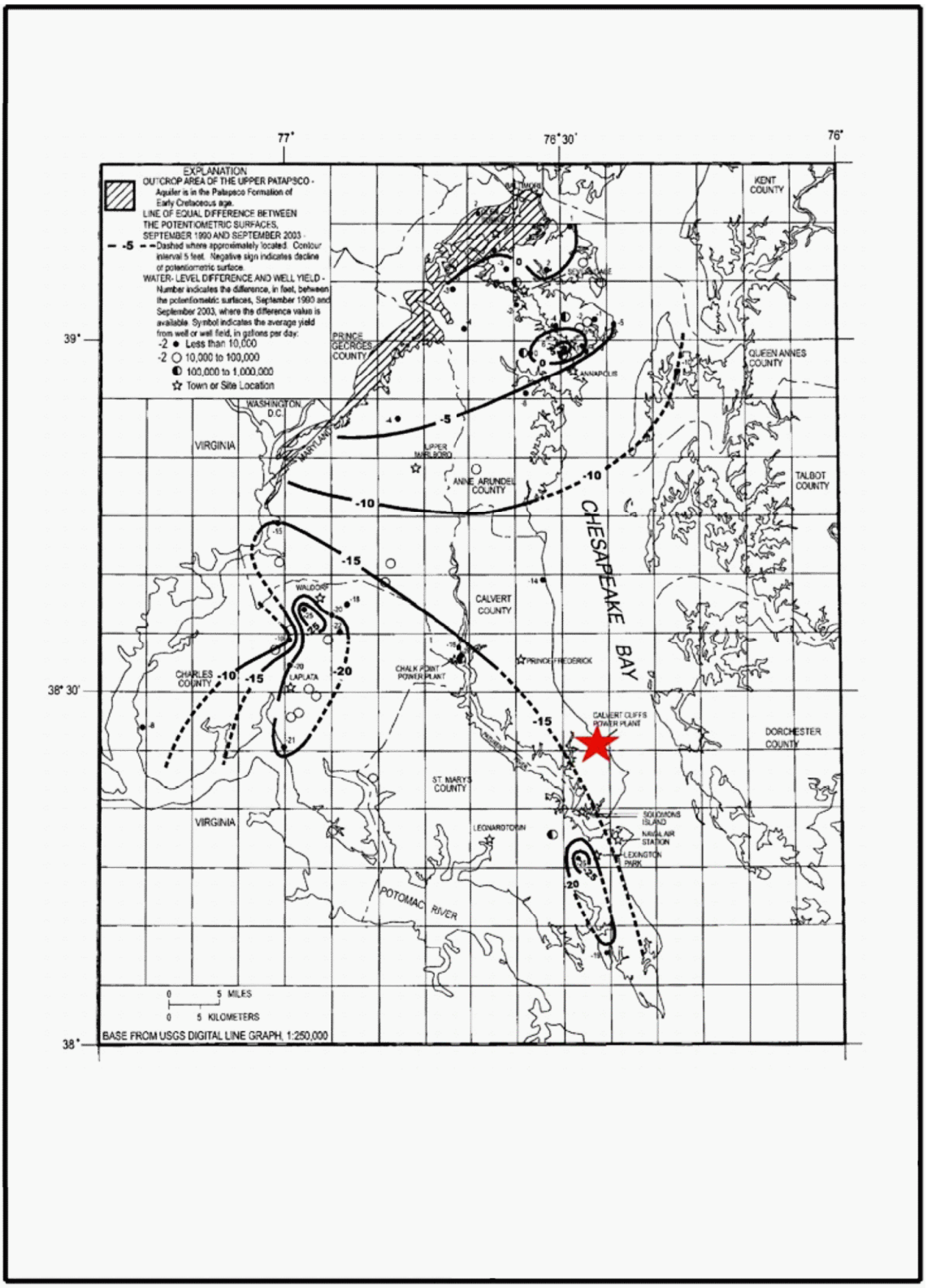

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Figure 2.3-64— The Difference Between the Potentiometric Surfaces of the Lower Patapsco Aquifier, September 1990 and September 2003, in Southern Maryland

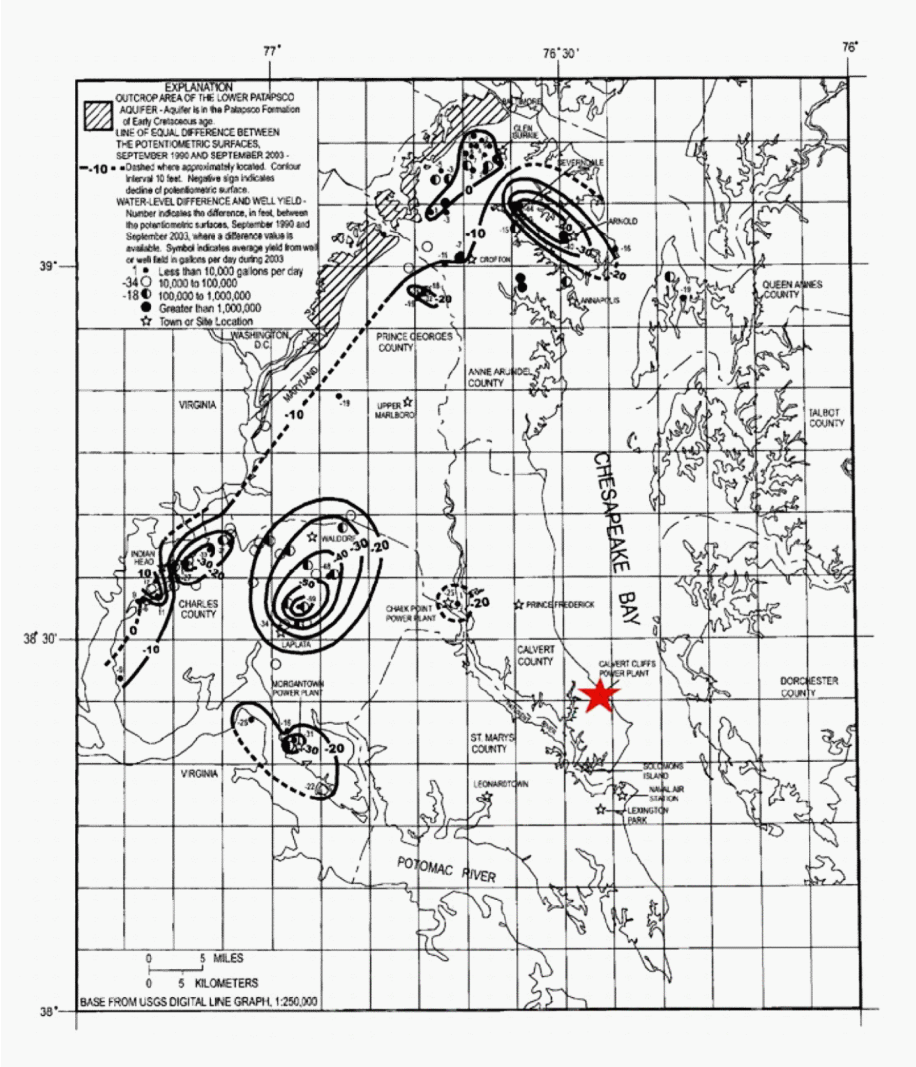

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Figure 2.3-65— Calvert County Grouped-Water-Level Monitoring Network, Location of Selected Water Level Monitoring Wells

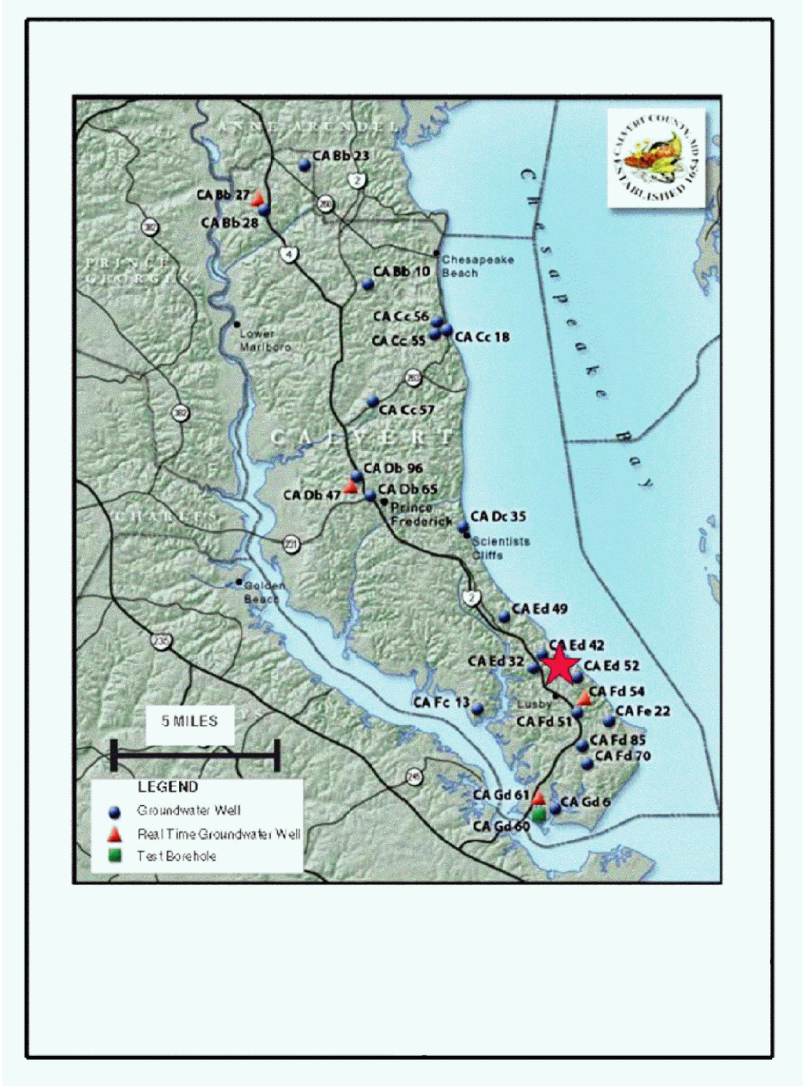

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Figure 2.3-66— Well Hydrograph for Monitoring Well CA Fd 51 Screened in the Piney Point – Nanjemoy Aquifier at Calvert Cliffs State Park

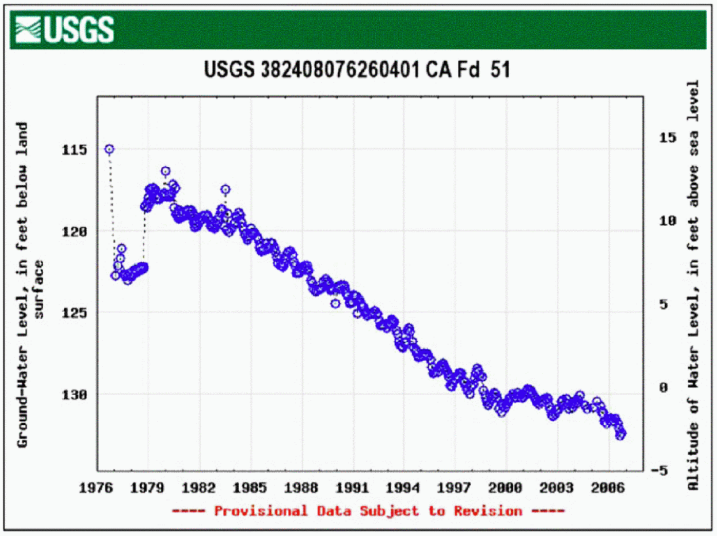

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Figure 2.3-67— Well Hydrograph Hydrograph for Monitoring Well CA Ed 42 Screened in the Aquia Aquifer at Calvert Cliffs Nuclear Power Plant

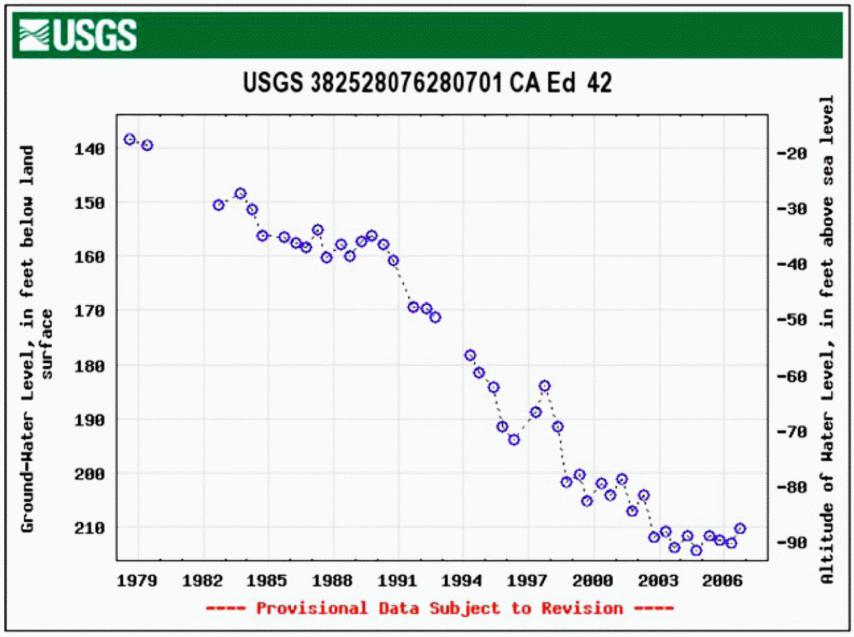

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Figure 2.3-68— Well Hydrograph Hydrograph for Monitoring Well CA Dc 35 Screened in the Magothy Aquifier at Scientits Cliffs

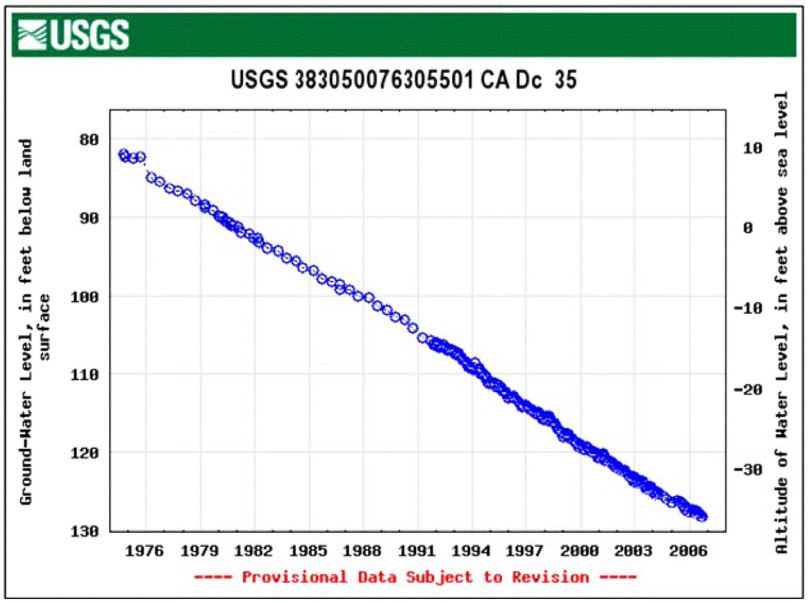

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Figure 2.3-69— Well Hydrograph Hydrograph for Monitoring Well CA Db 96 Screened in the Upper Patapsco Aquifier at Prince Frederick

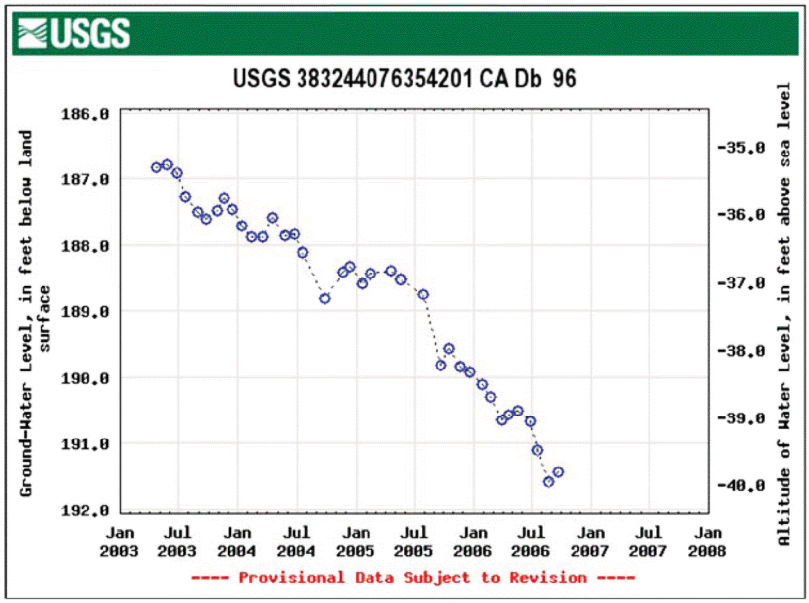

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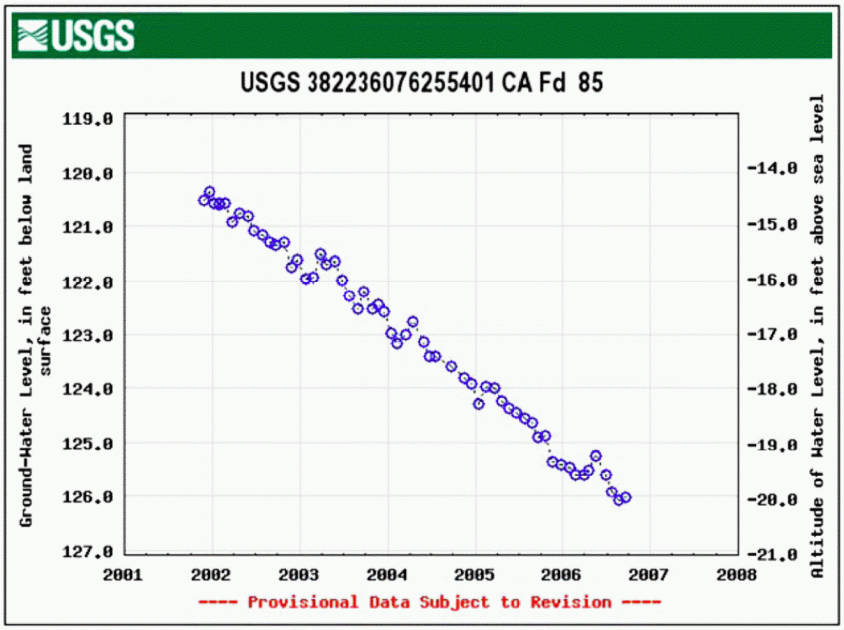
Figure 2.3-70— Well Hydrograph Hydrograph for Monitoring Well CA Fd 85 Screened in the Lower Patapsco Aquifier at Chesapeake Ranch Estates



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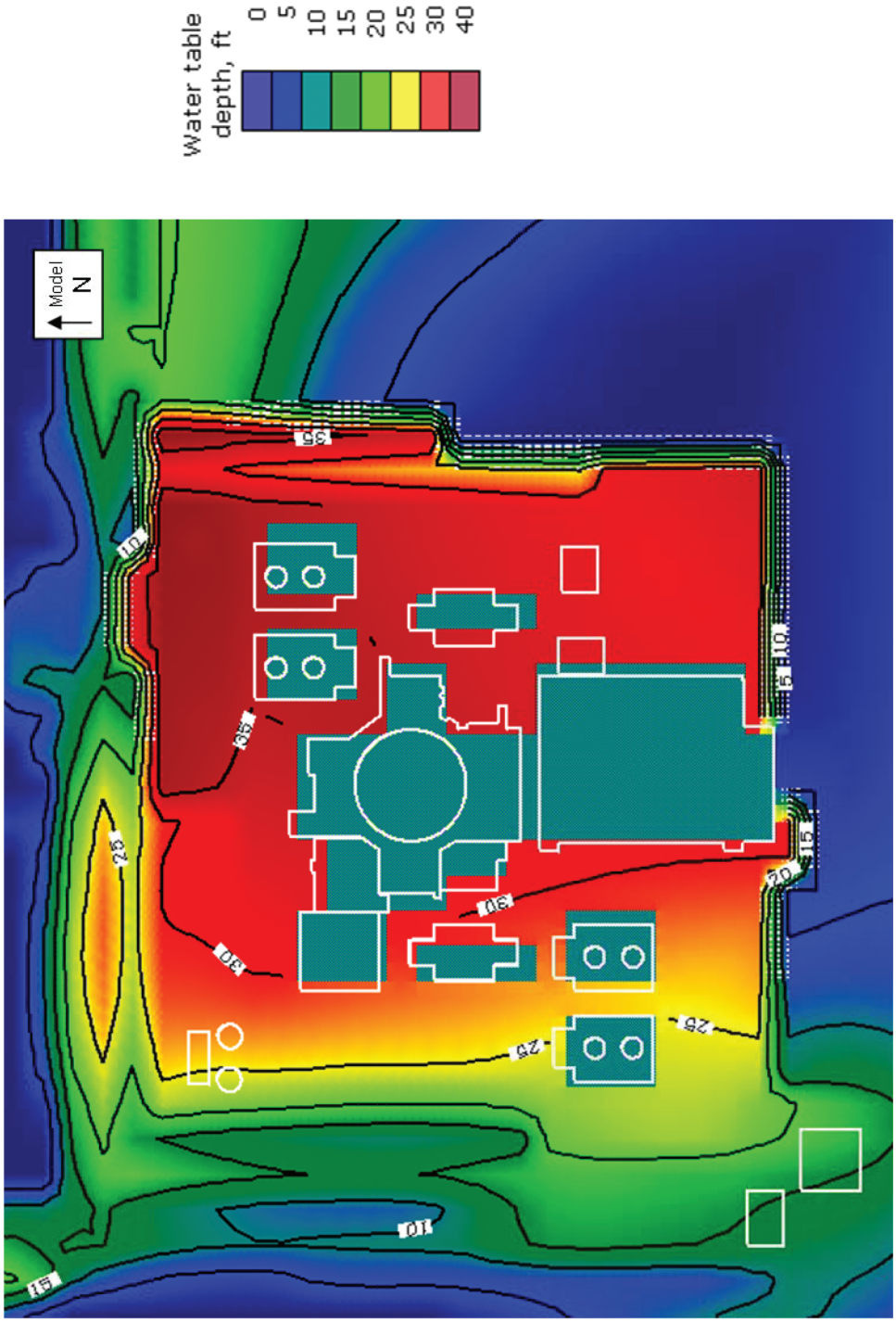

Figure 2.3-71— Modeled Post-Construction Depth to the Water Table Around the Unit 3 Power Block Area

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Figure 2.3-72— Modeled Post-Construction Elevation of the Water Table Around the Unit 3 Power Block Area

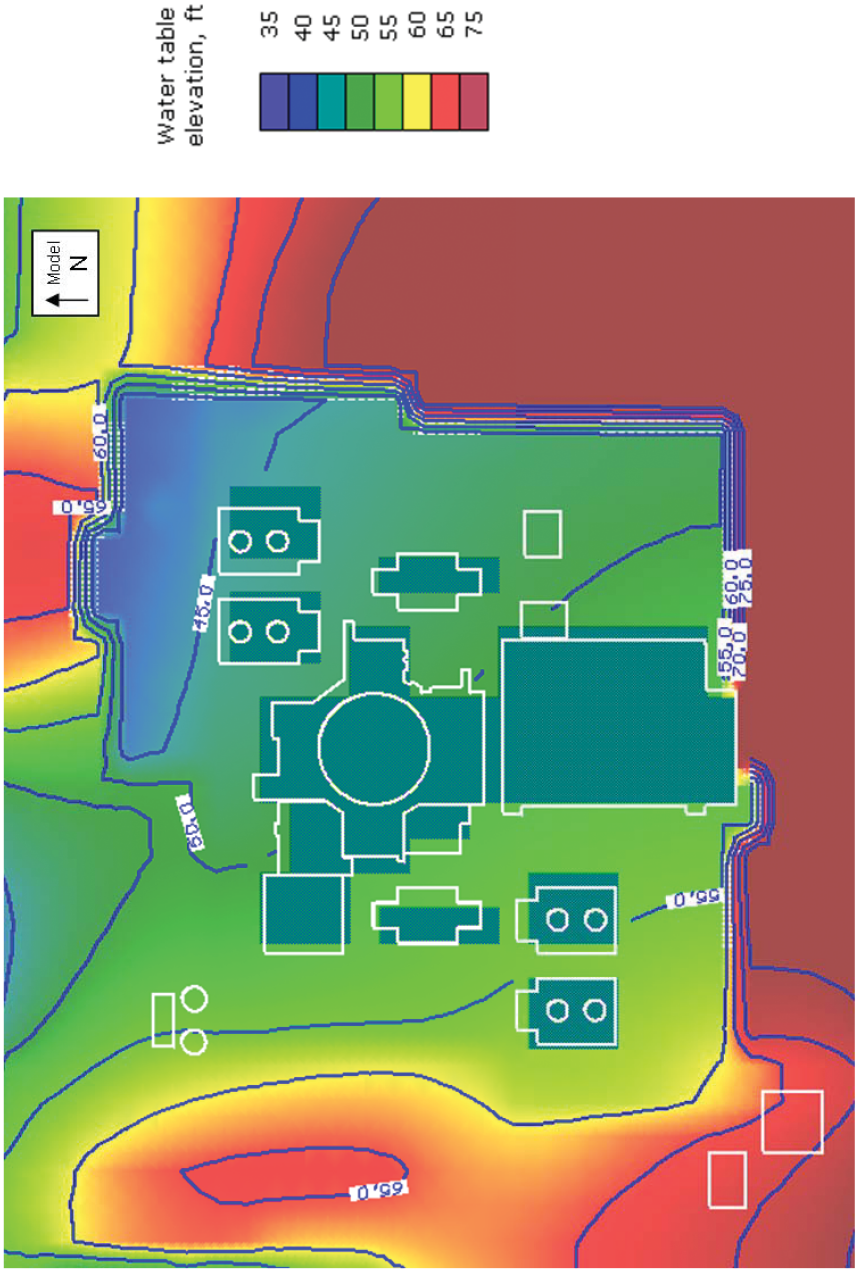

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Figure 2.3-73— Chesapeake Bay WQ Monitoring Stations

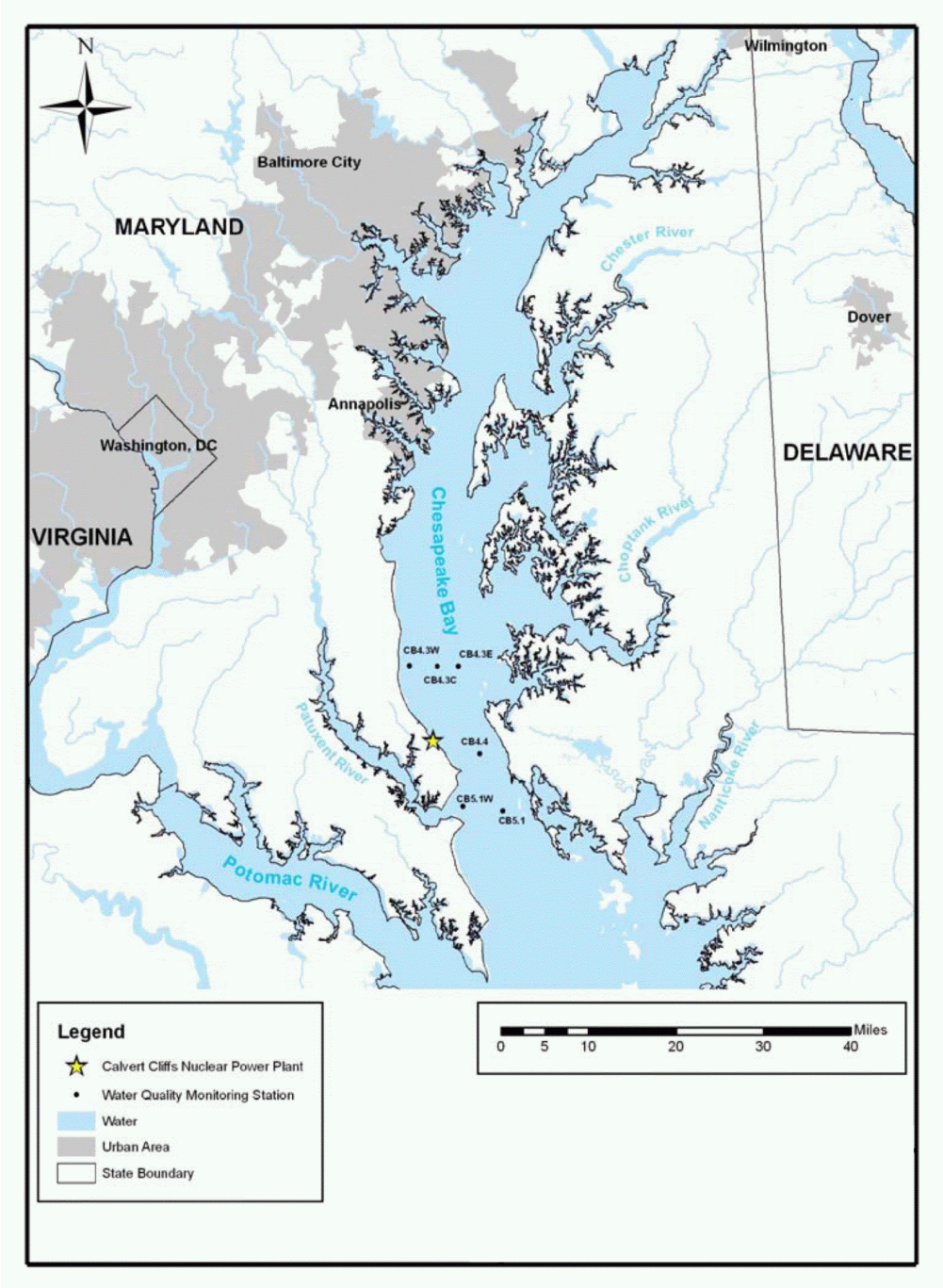

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Figure 2.3-74— Location of Segments Used for Calculation of Inflow to Chesapeake Bay

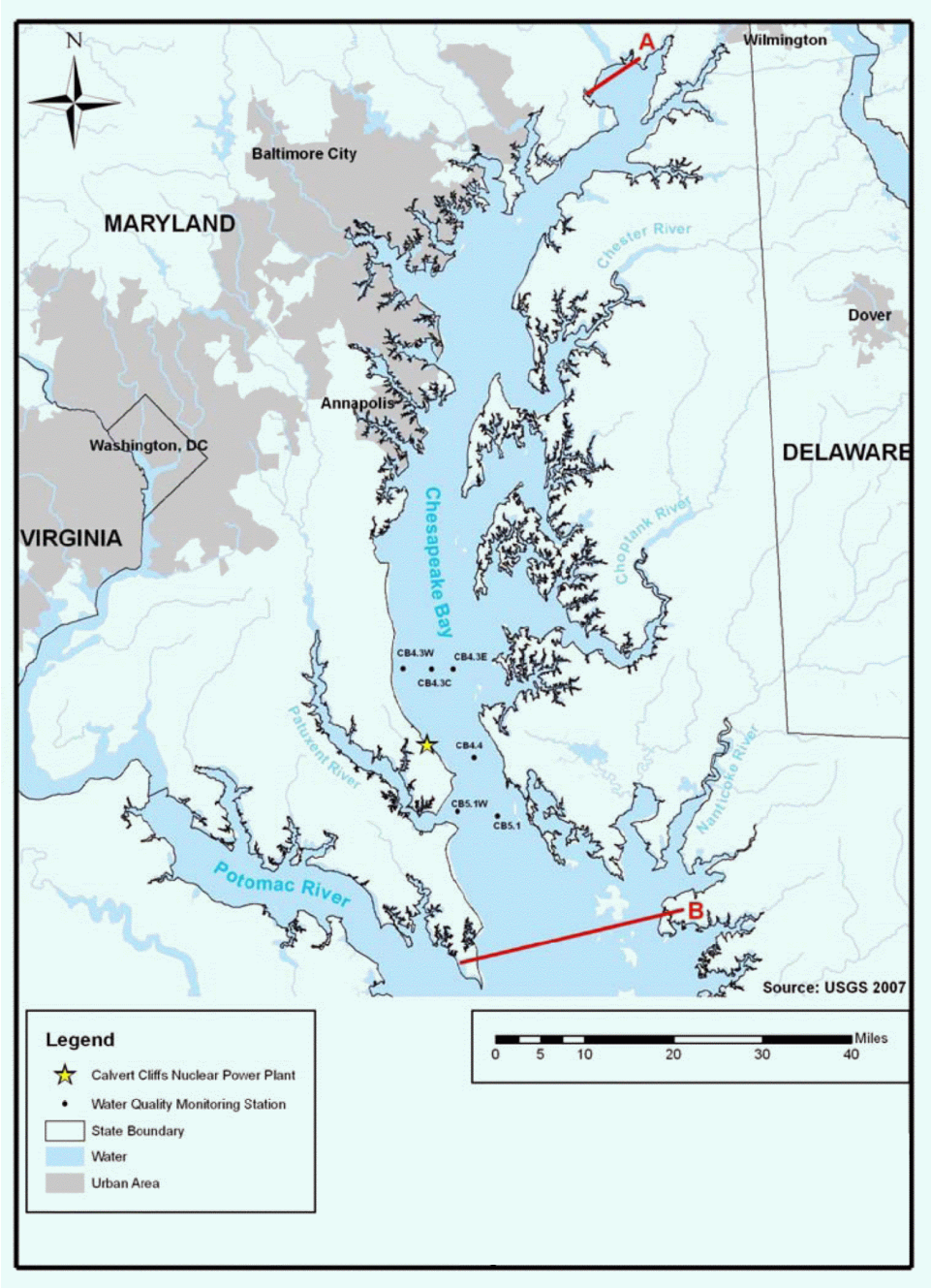

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Figure 2.3-75— CNPP Shoreline

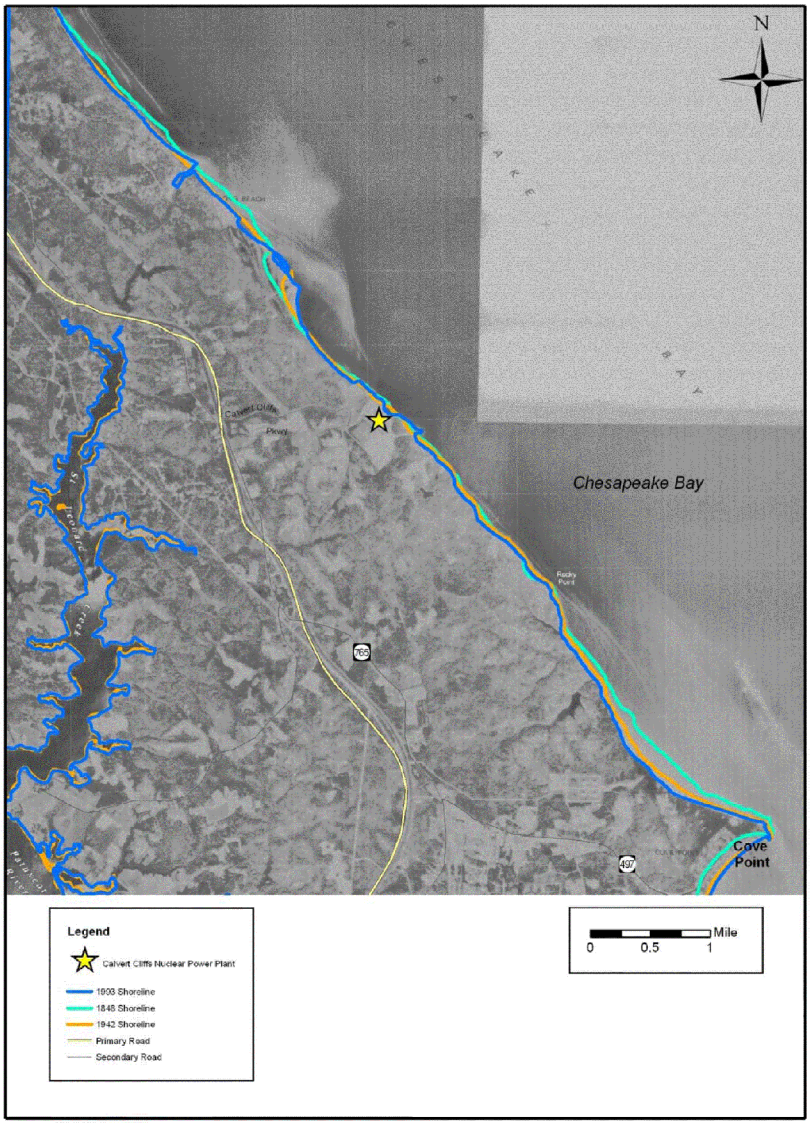

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Figure 2.3-76— Sediment Sampling Locations in the Chesapeake Bay Near the CCNPP Barge Slip, September 2006

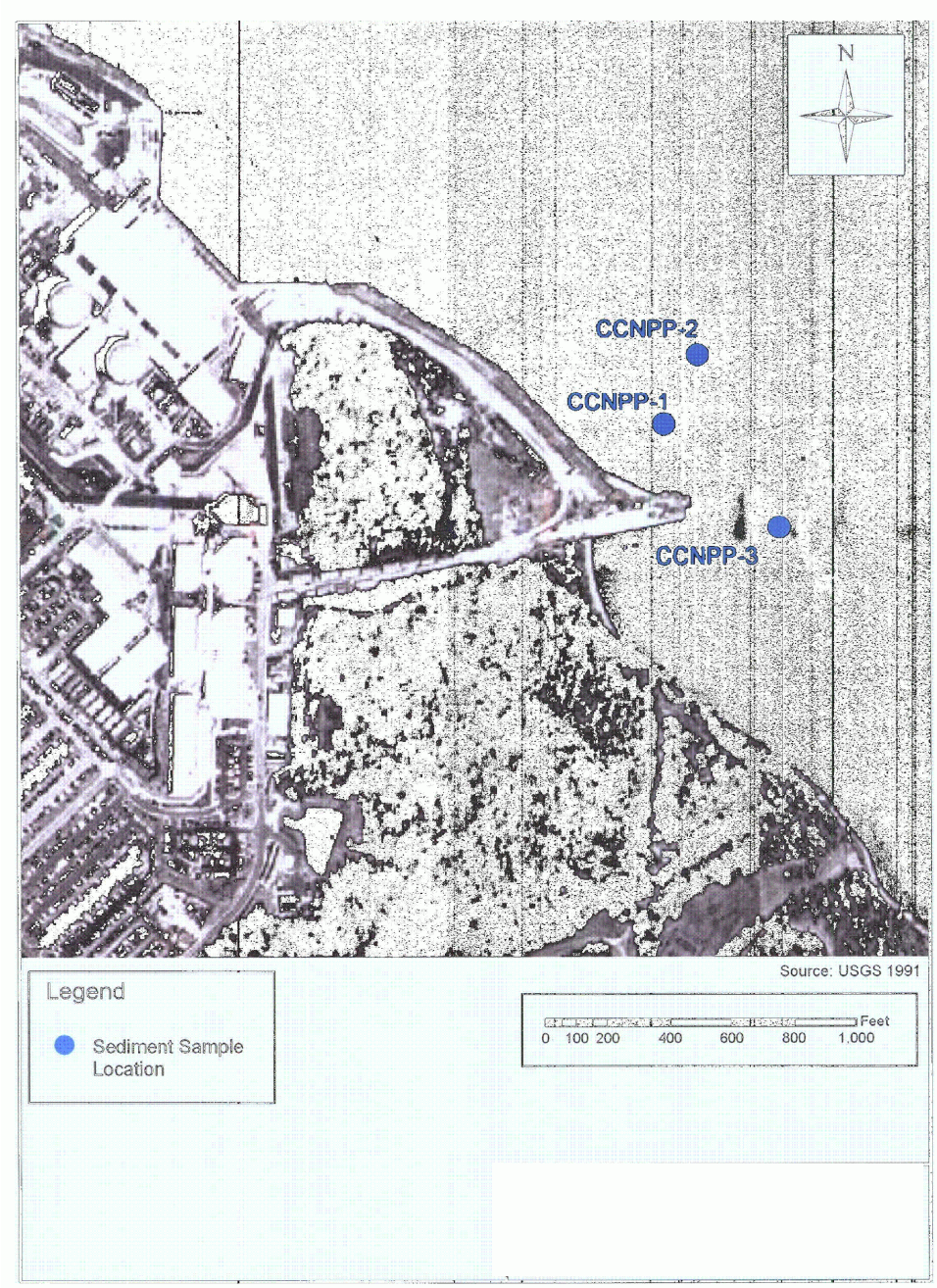

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Figure 2.3-77— Groundwater Sampling Locations at CCNPP, May 2007

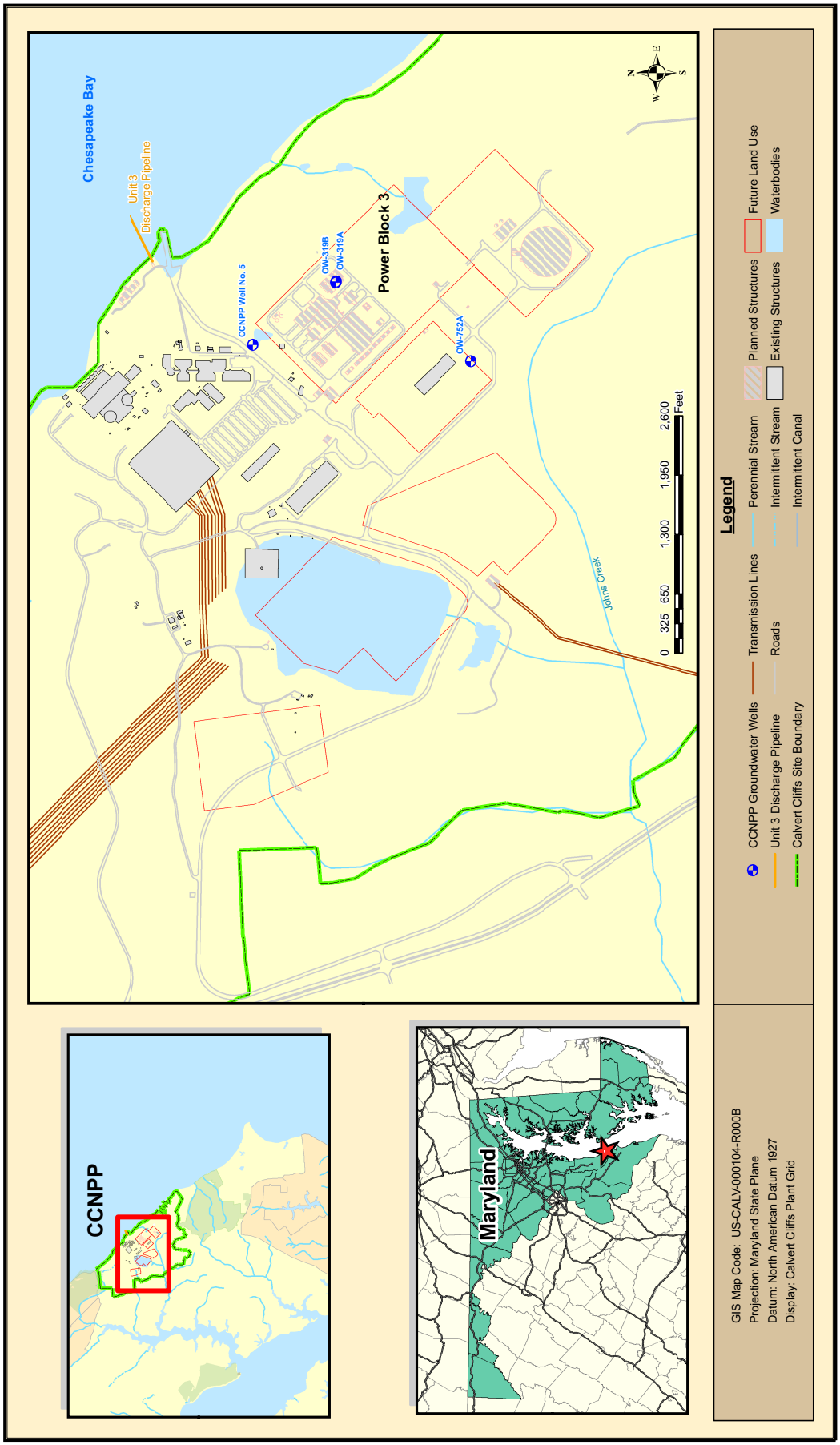

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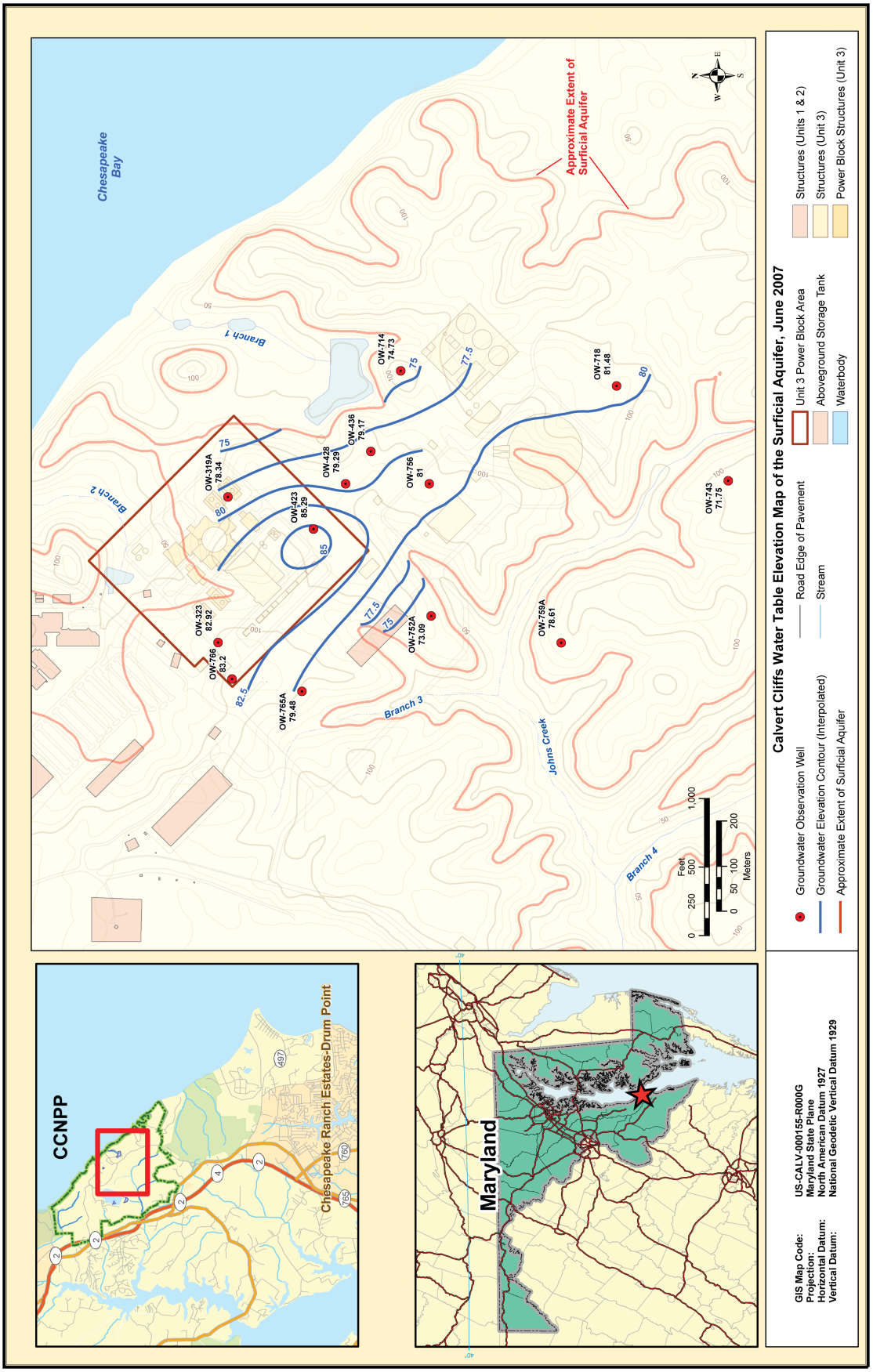
Figure 2.3-78— {Water Table Elevation Map for the Surficial Aquifer, June 2007}



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