

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



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

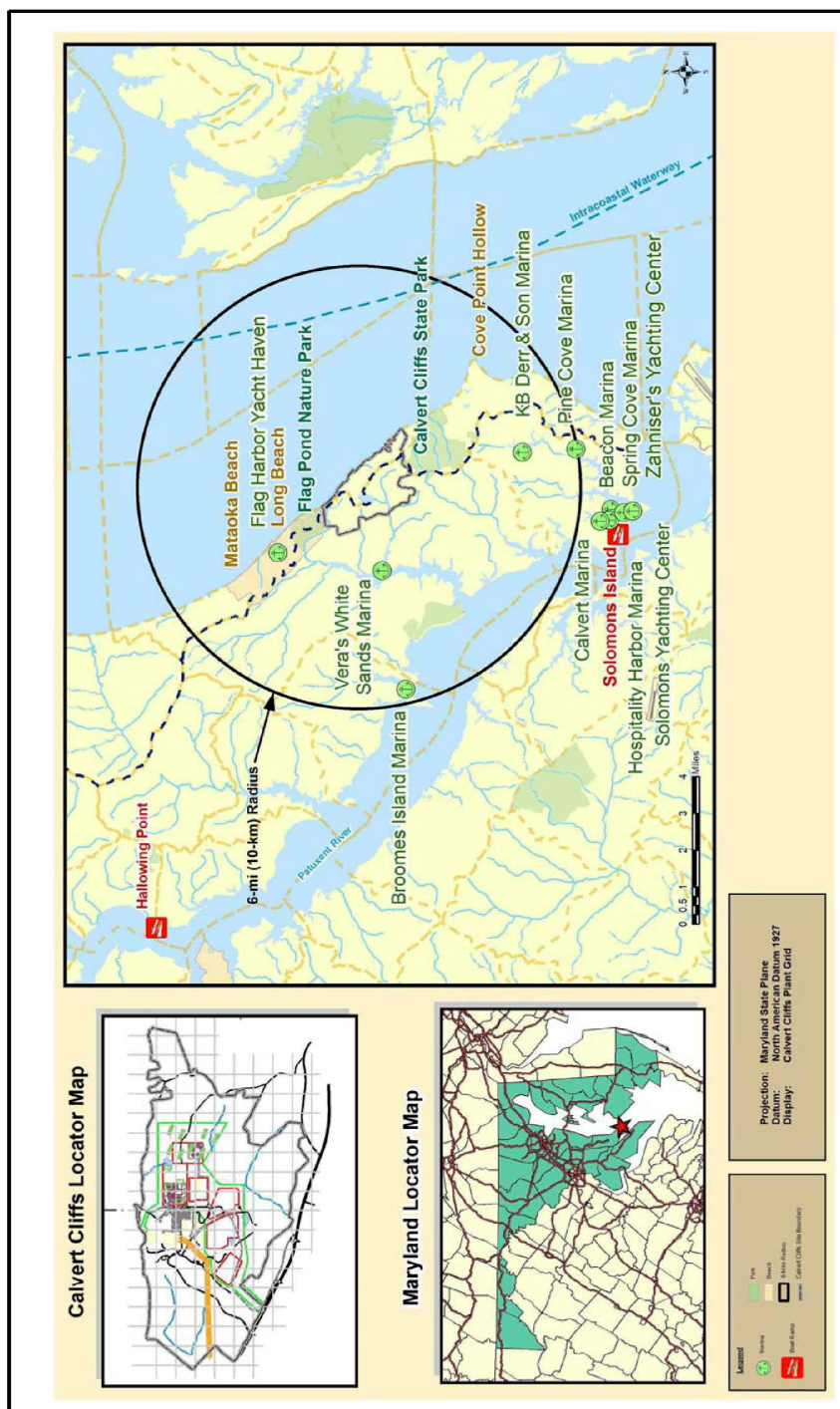


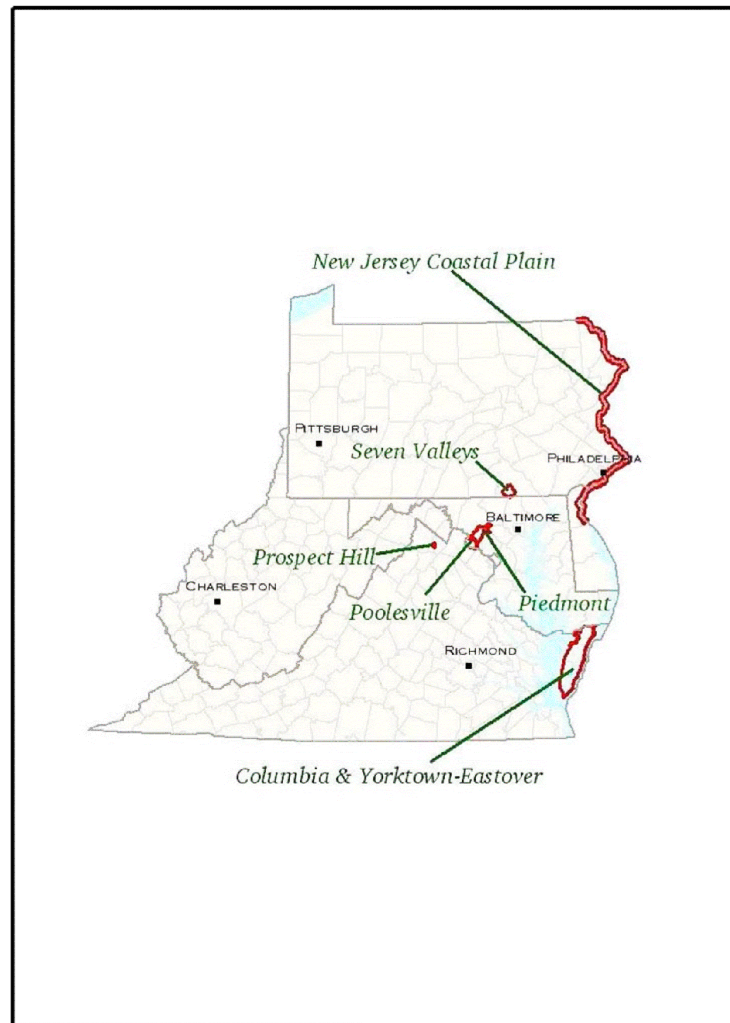
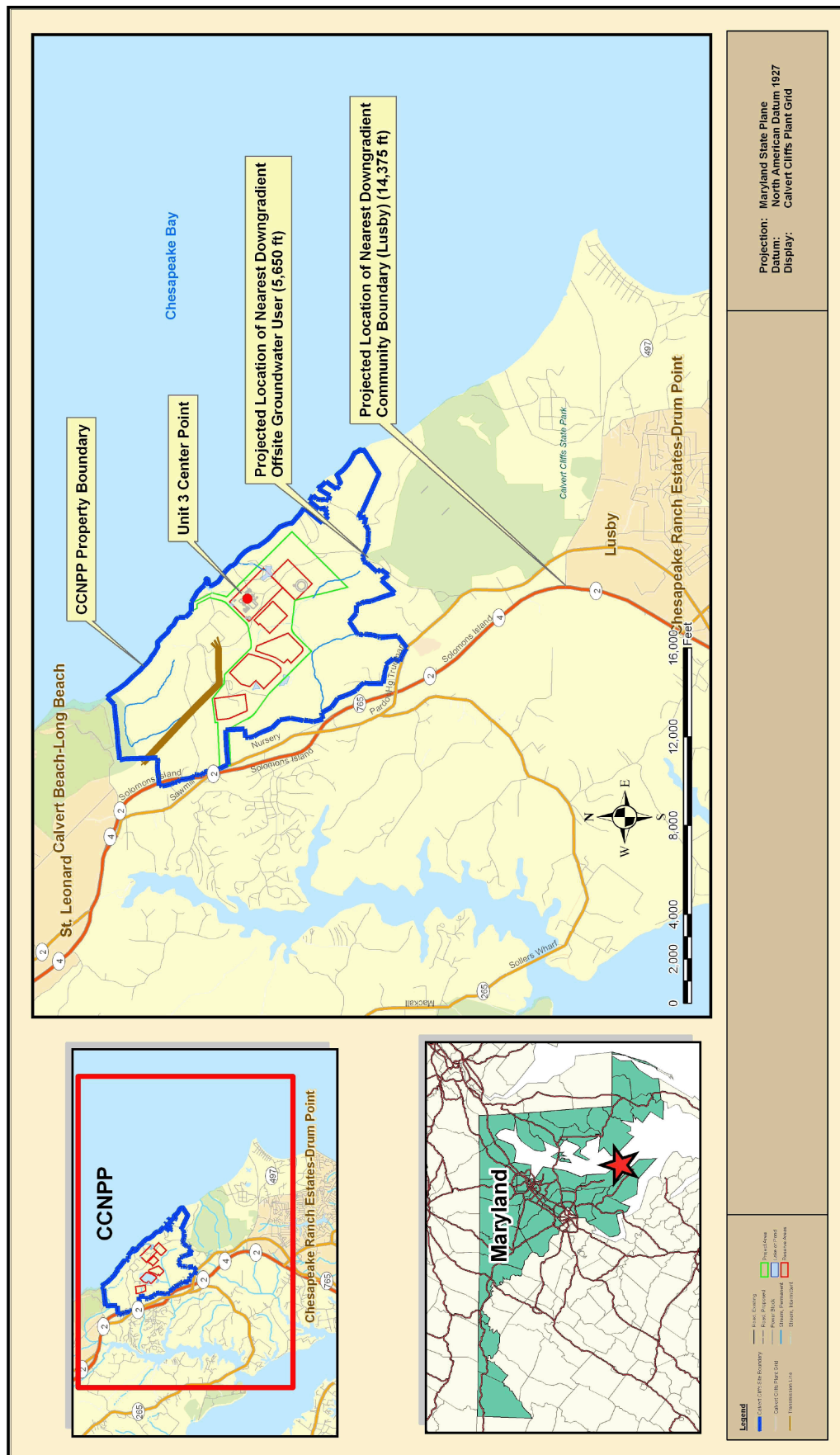
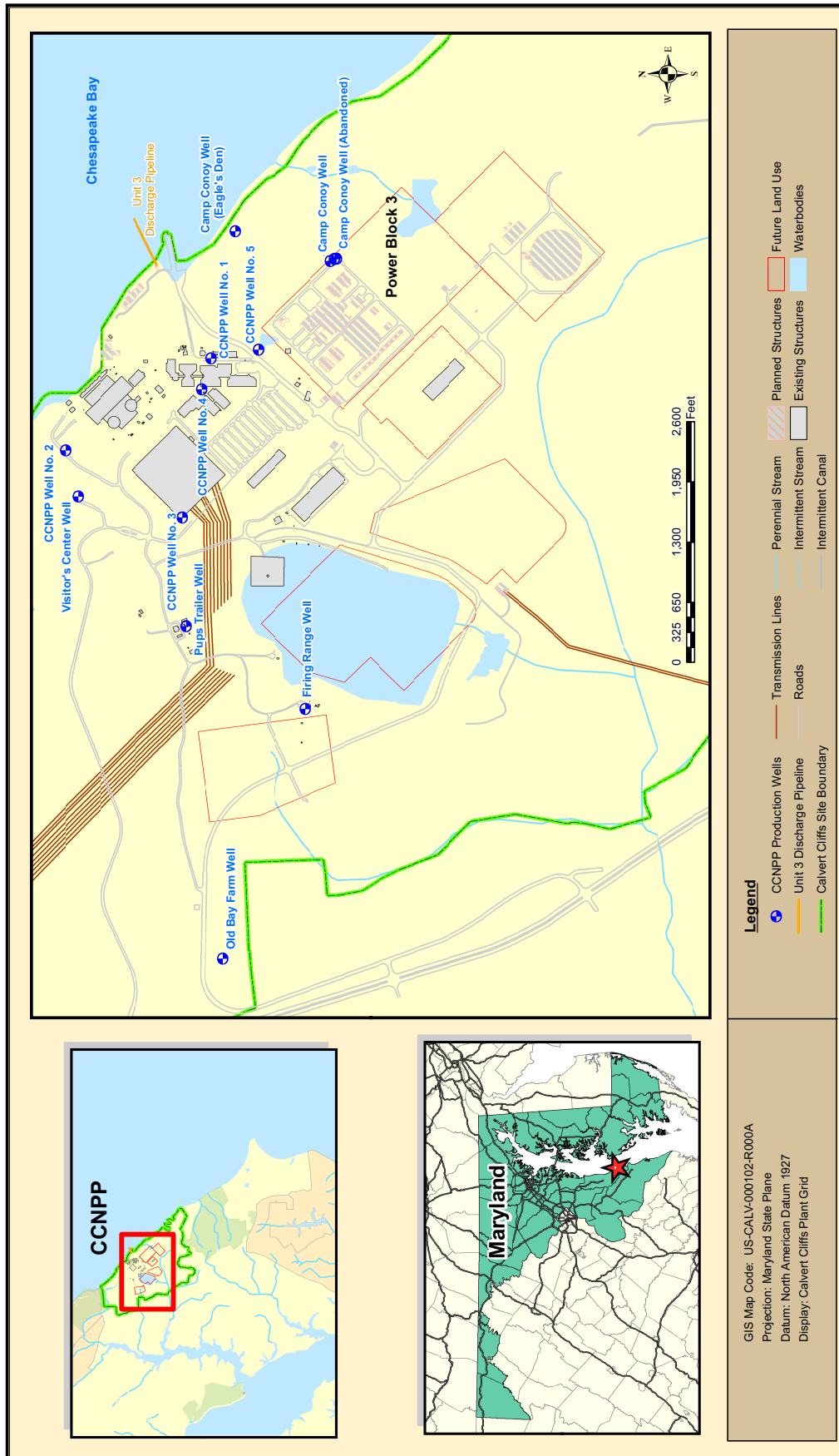
Figure 2.3-58— US EPA Region 3 Sole Source Aquifers

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



See Figure 2.1-1 and Figure 3.1-2 for Site and Powerblock layout

Figure 2.3-60—CCNPP Water Production Wells



See Figure 2.1-1 and Figure 3.1-2 for Site and Powerblock layout

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

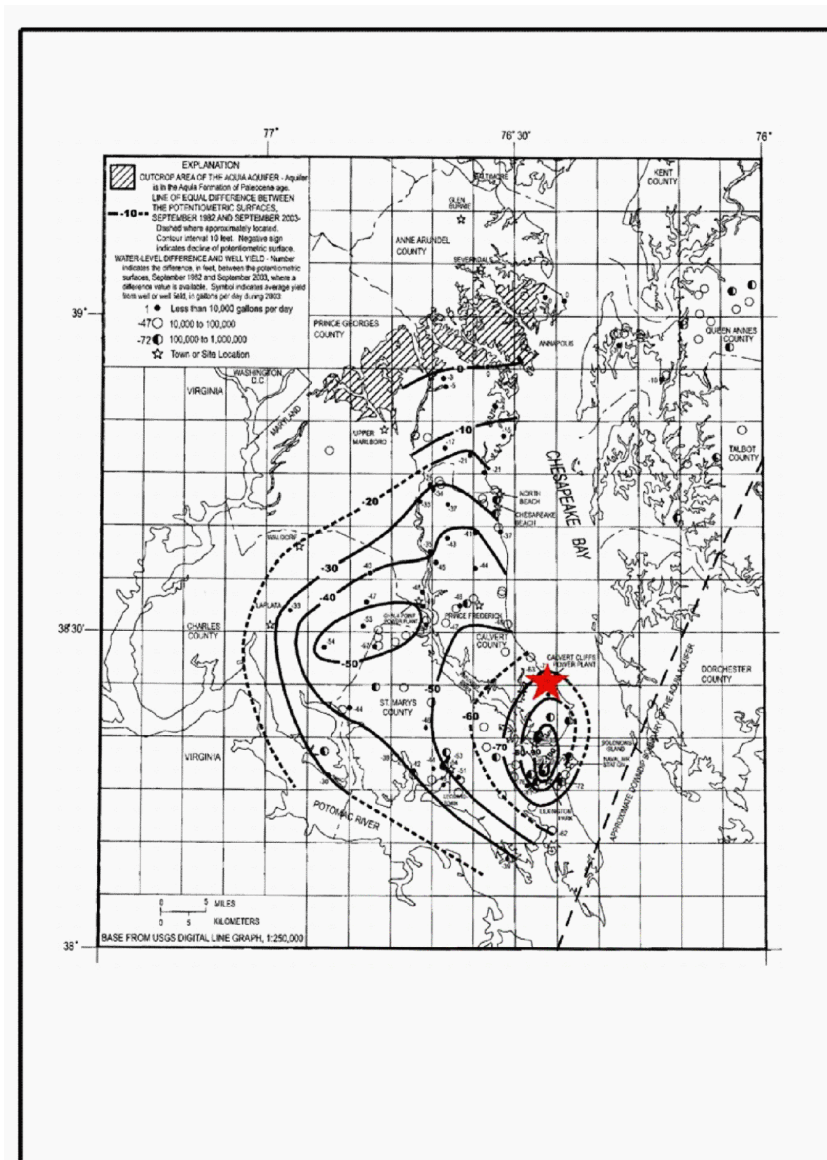


Figure 2.3-62— The Difference Between the Potentiometric Surfaces of the Magothy Aquifer, September 1975 and September 2003, in Southern Maryland

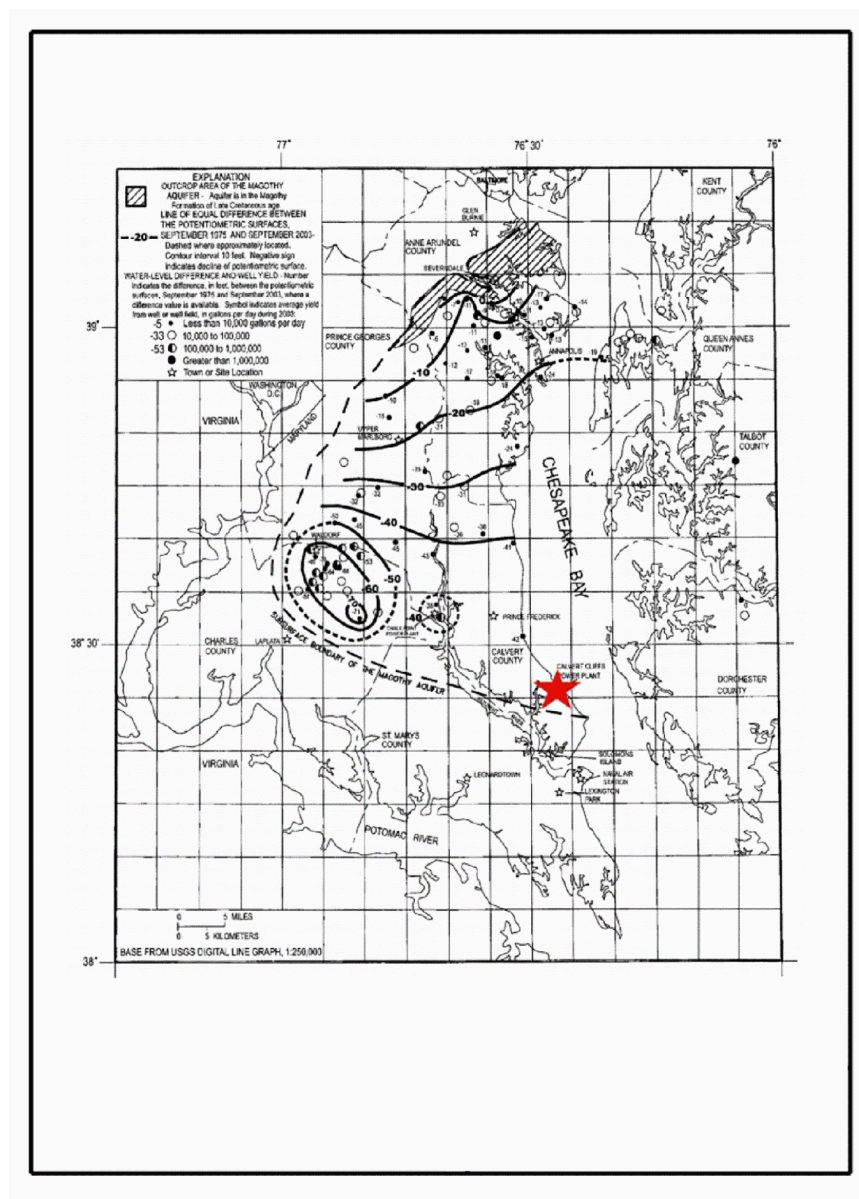


Figure 2.3-63— The Difference Between the Potentiometric Surfaces of the Upper Patapsco Aquifer, September 1990 and September 2003, in Southern Maryland

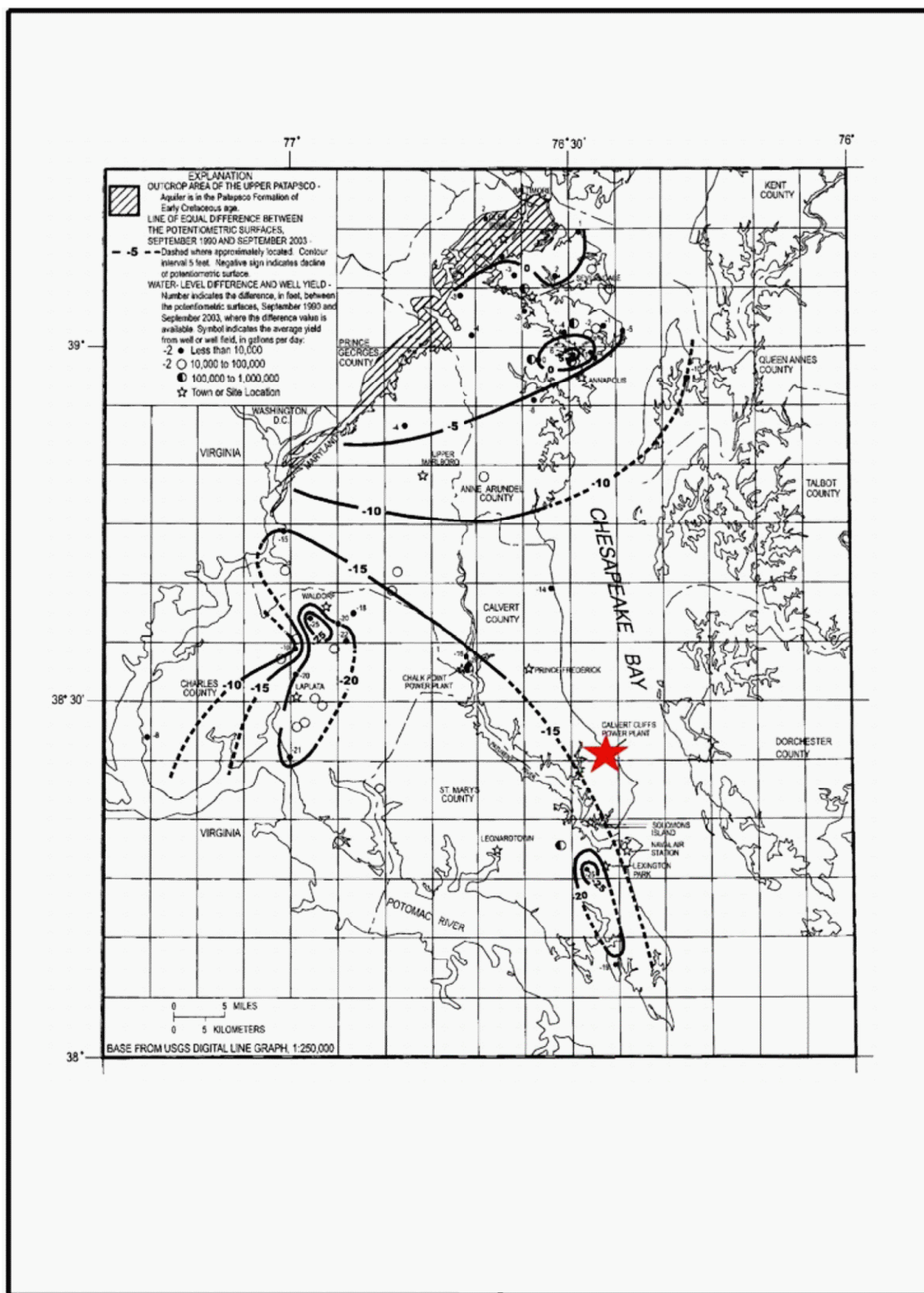


Figure 2.3-64— The Difference Between the Potentiometric Surfaces of the Lower Patapsco Aquifer, September 1990 and September 2003, in Southern Maryland

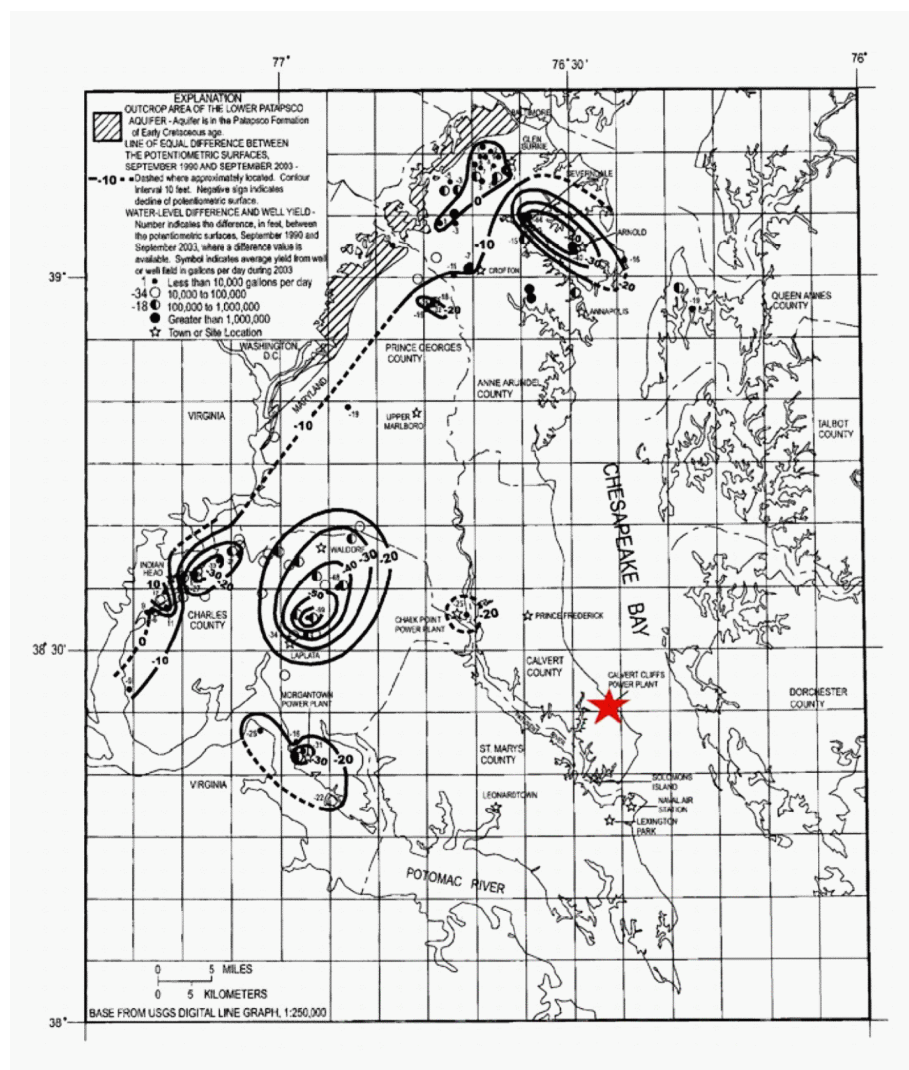


Figure 2.3-65— Calvert County Grouped-Water-Level Monitoring Network, Location of Selected Water Level Monitoring Wells

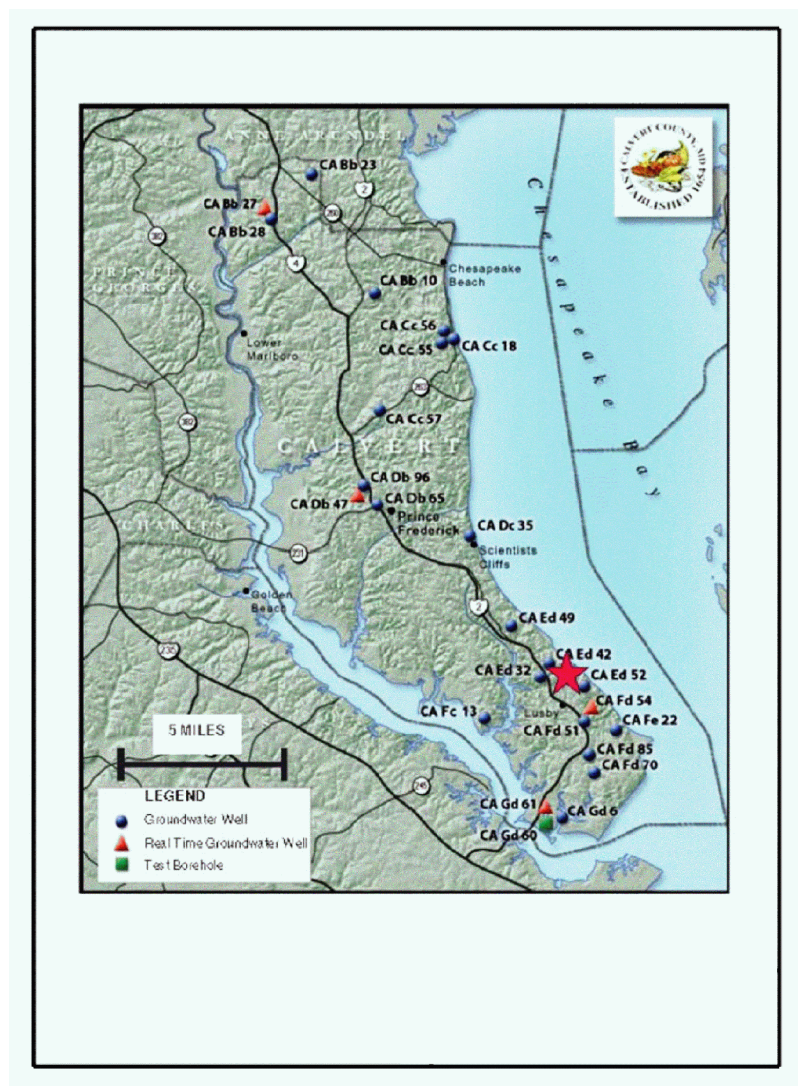


Figure 2.3-66— Well Hydrograph for Monitoring Well CA Fd 51 Screened in the Piney Point – Nanjemoy Aquifer at Calvert Cliffs State Park

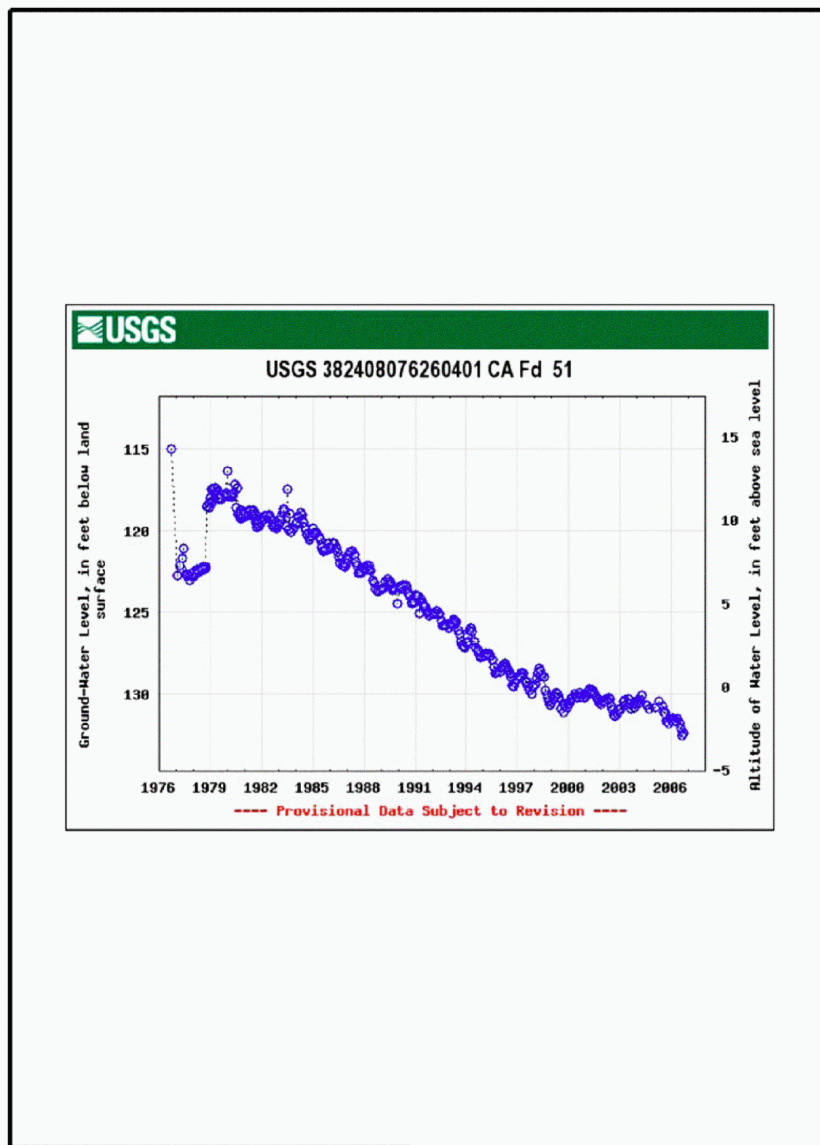


Figure 2.3-67— Well Hydrograph Hydrograph for Monitoring Well CA Ed 42 Screened in the Aquia Aquifer at Calvert Cliffs Nuclear Power Plant

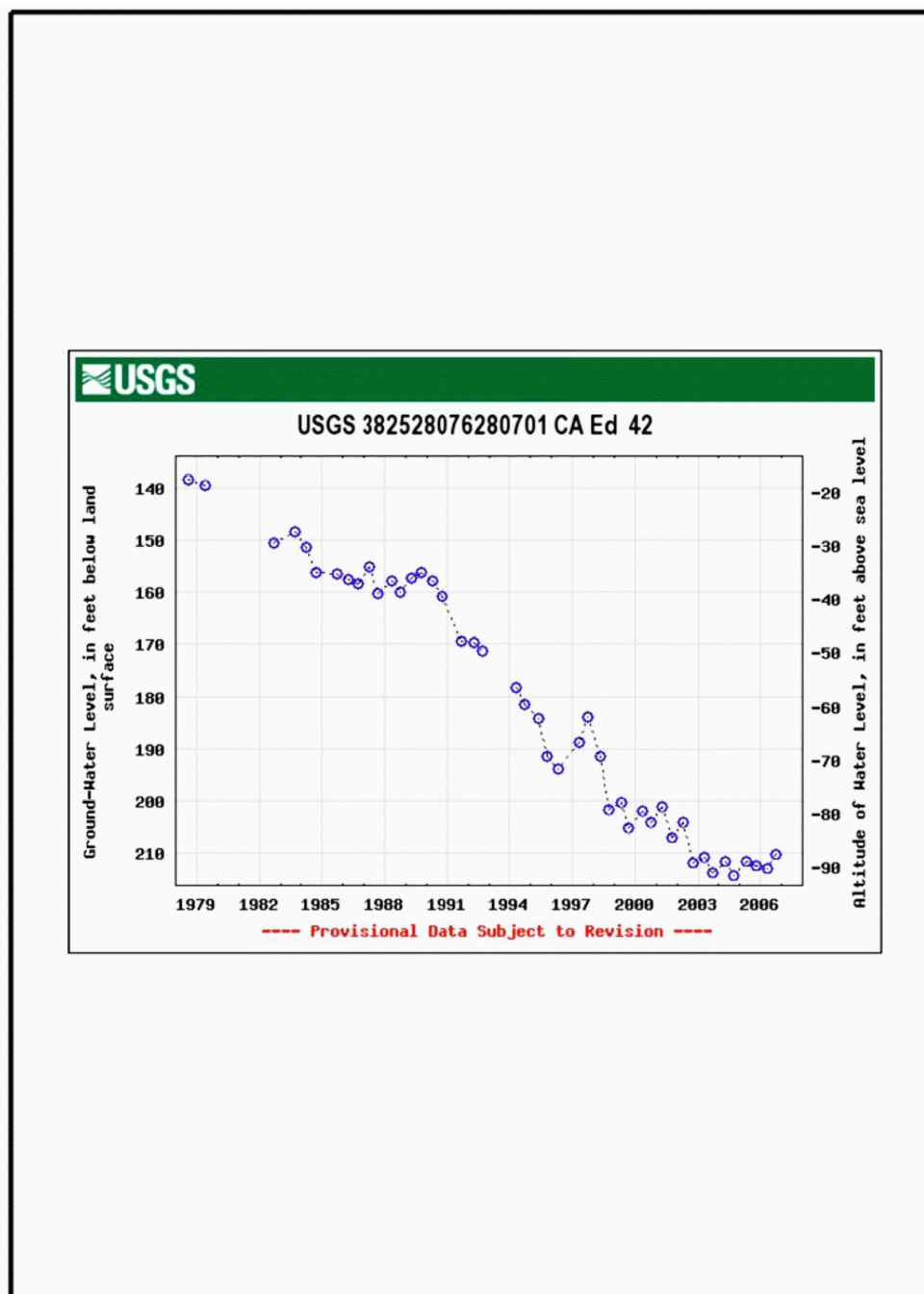


Figure 2.3-68— Well Hydrograph Hydrograph for Monitoring Well CA Dc 35 Screened in the Magothy Aquifer at Scientits Cliffs

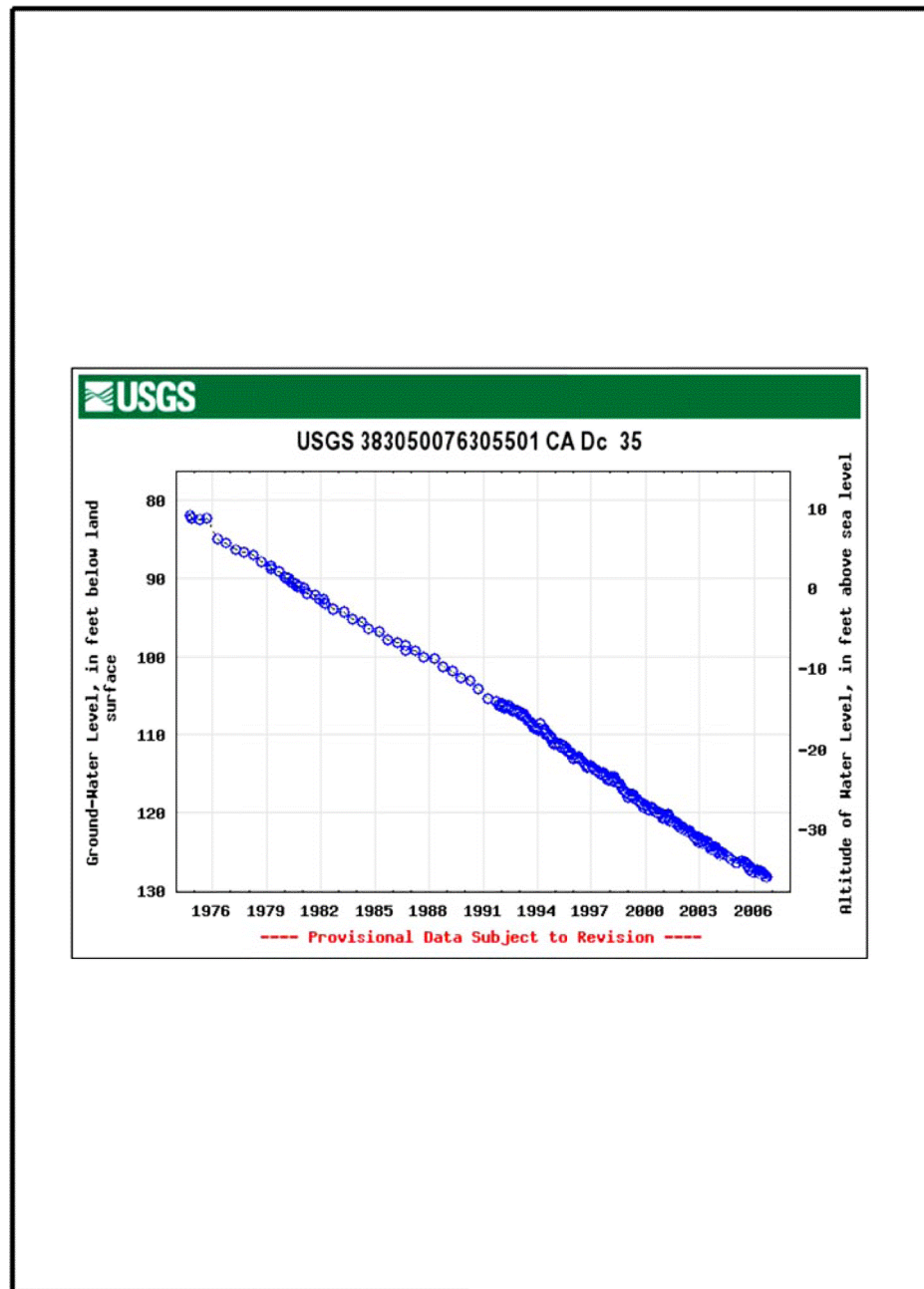


Figure 2.3-69— Well Hydrograph Hydrograph for Monitoring Well CA Db 96 Screened in the Upper Patapsco Aquifer at Prince Frederick

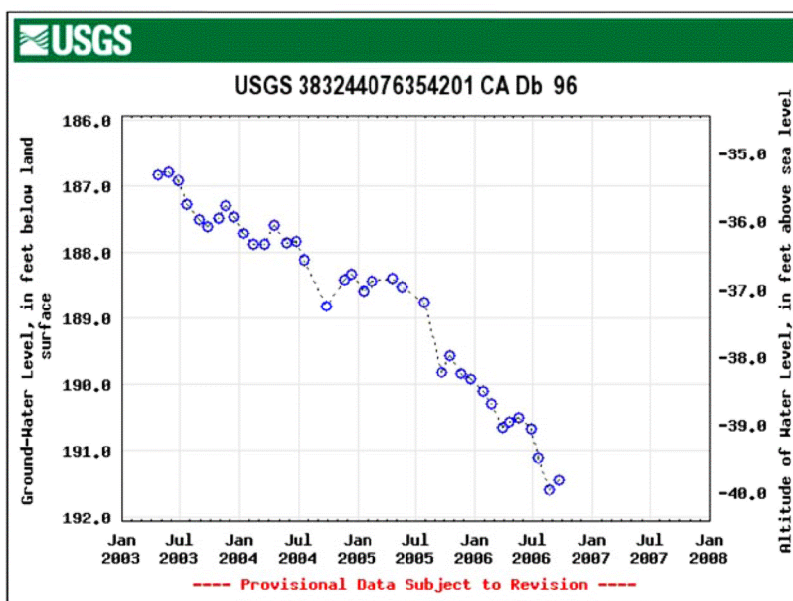


Figure 2.3-70— Well Hydrograph Hydrograph for Monitoring Well CA Fd 85 Screened in the Lower Patapsco Aquifer at Chesapeake Ranch Estates

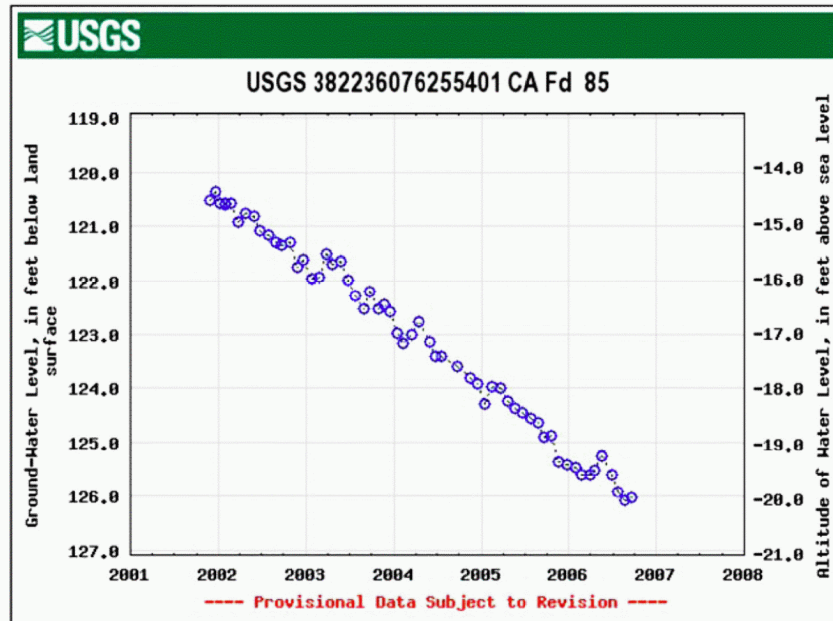


Figure 2.3-71— Modeled Post-Construction Depth to the Water Table Around the Unit 3 Power Block Area

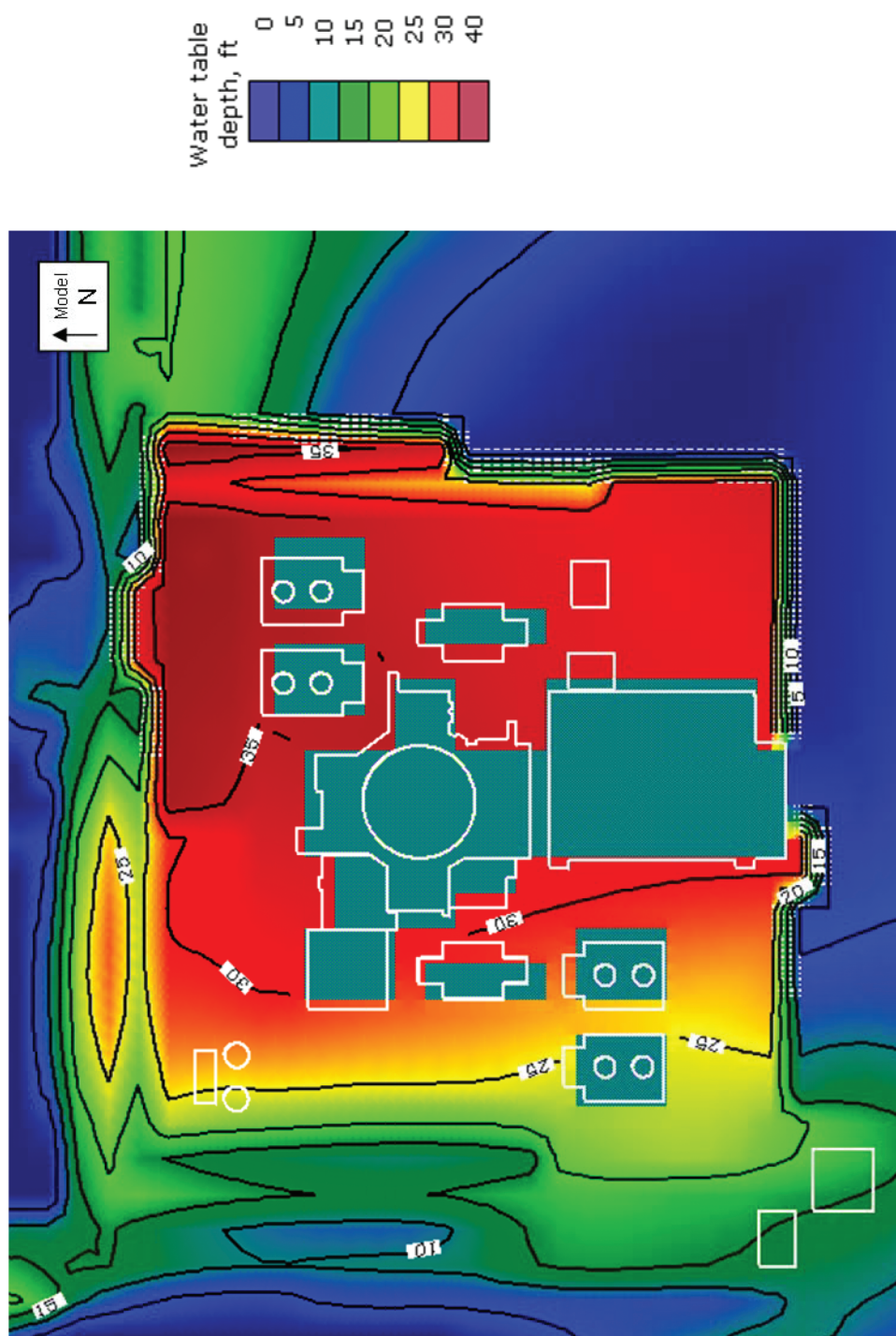


Figure 2.3-72— Modeled Post-Construction Elevation of the Water Table Around the Unit 3 Power Block Area

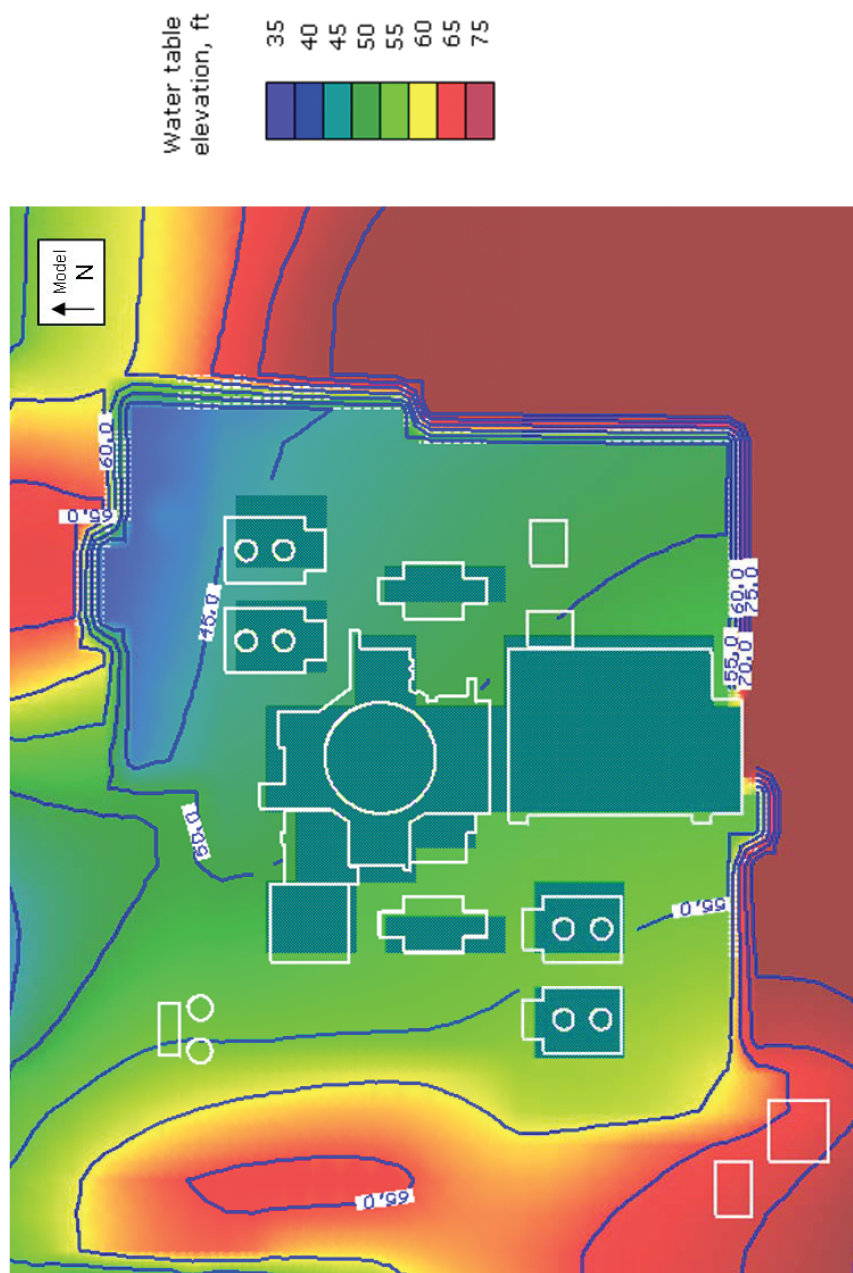


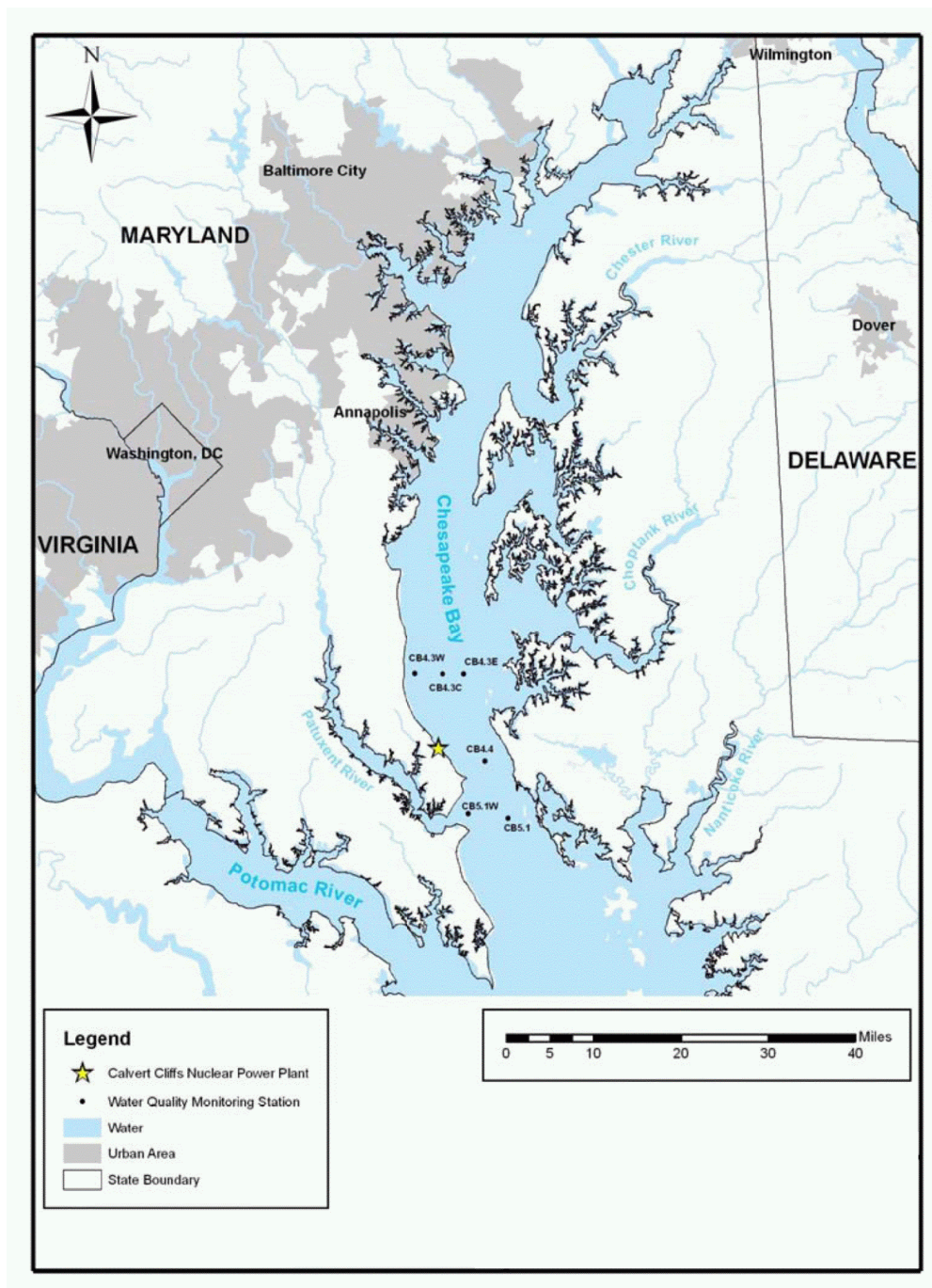
Figure 2.3-73— Chesapeake Bay WQ Monitoring Stations

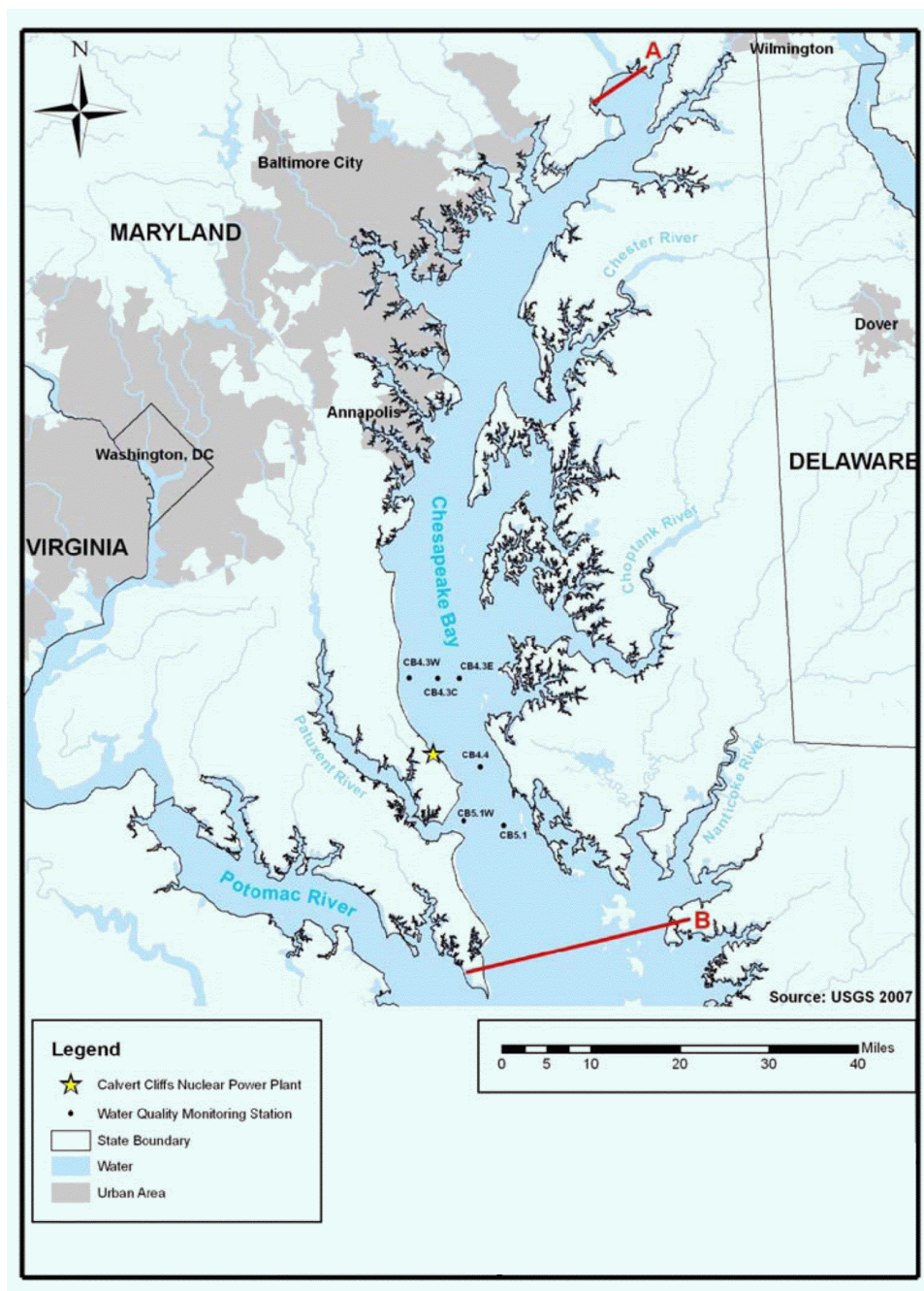
Figure 2.3-74— Location of Segments Used for Calculation of Inflow to Chesapeake Bay

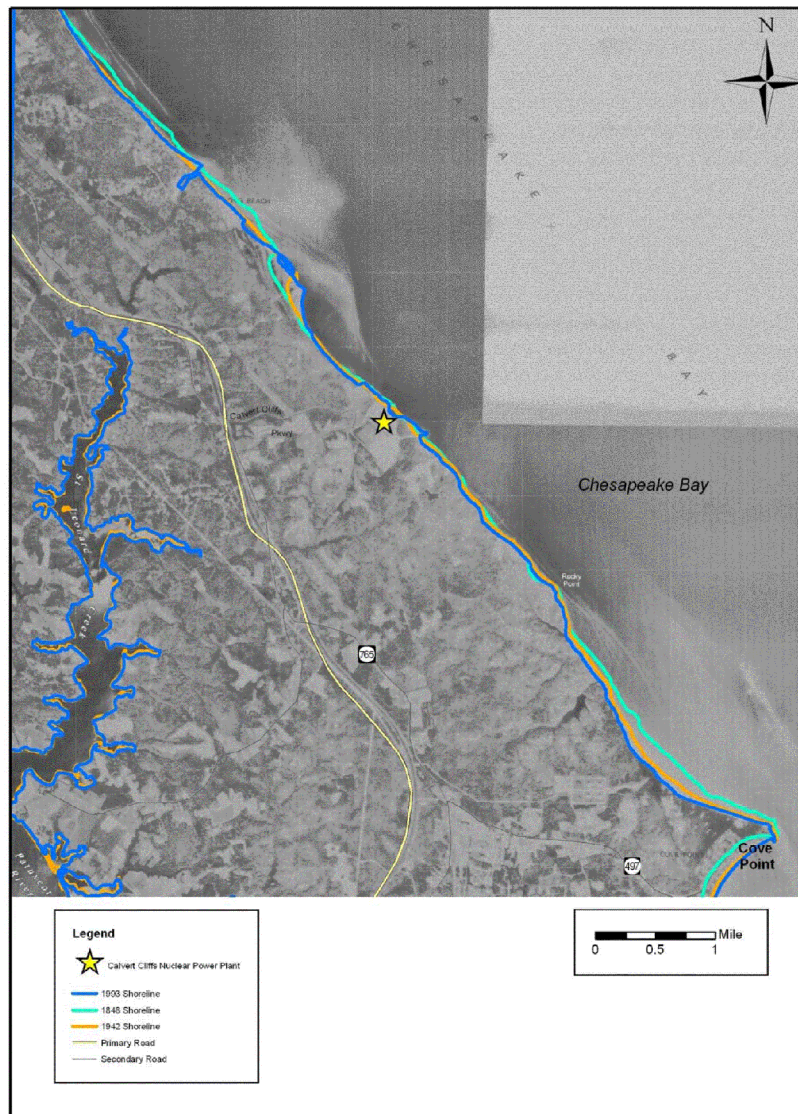
Figure 2.3-75— CNPP Shoreline

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

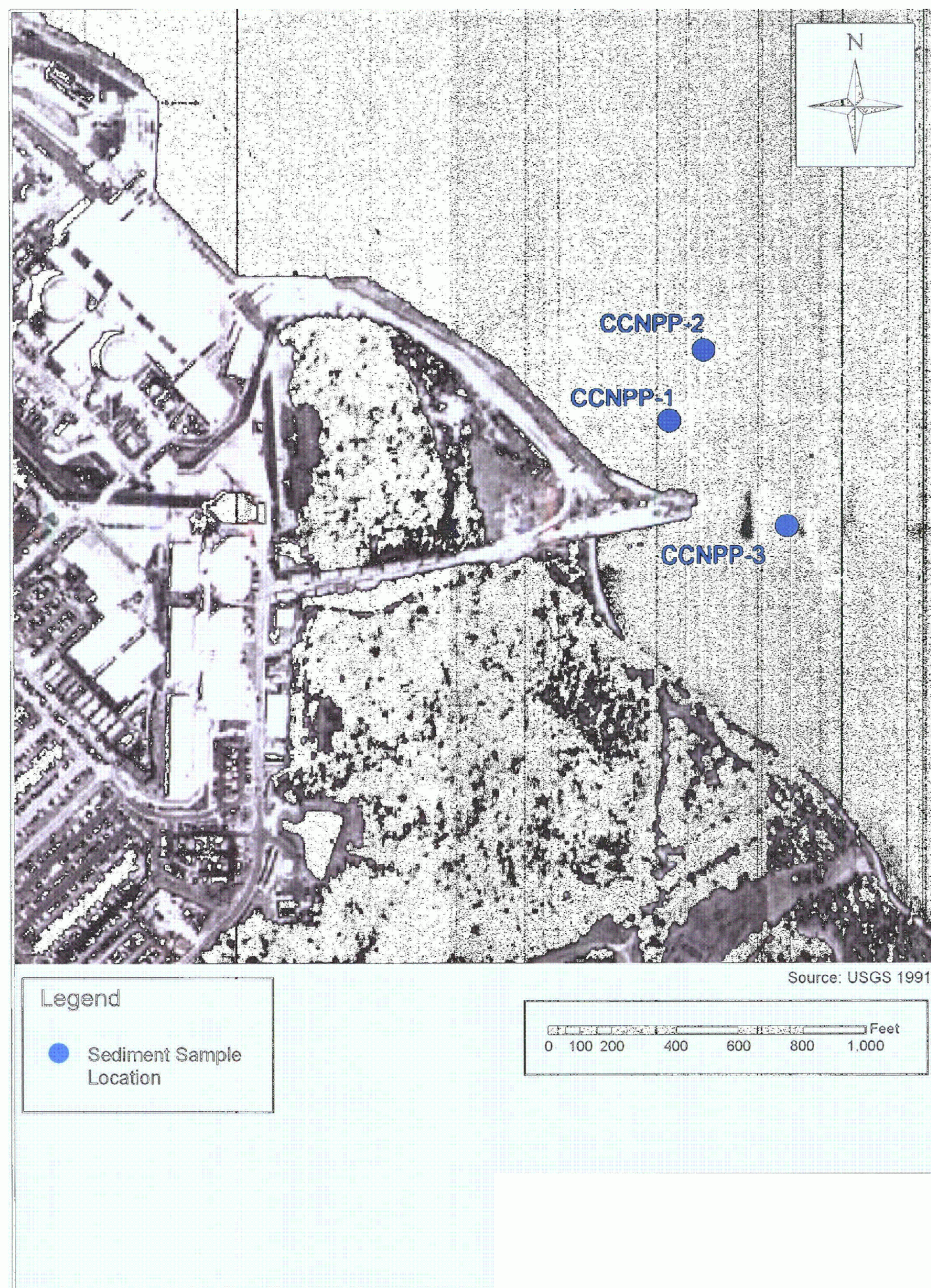
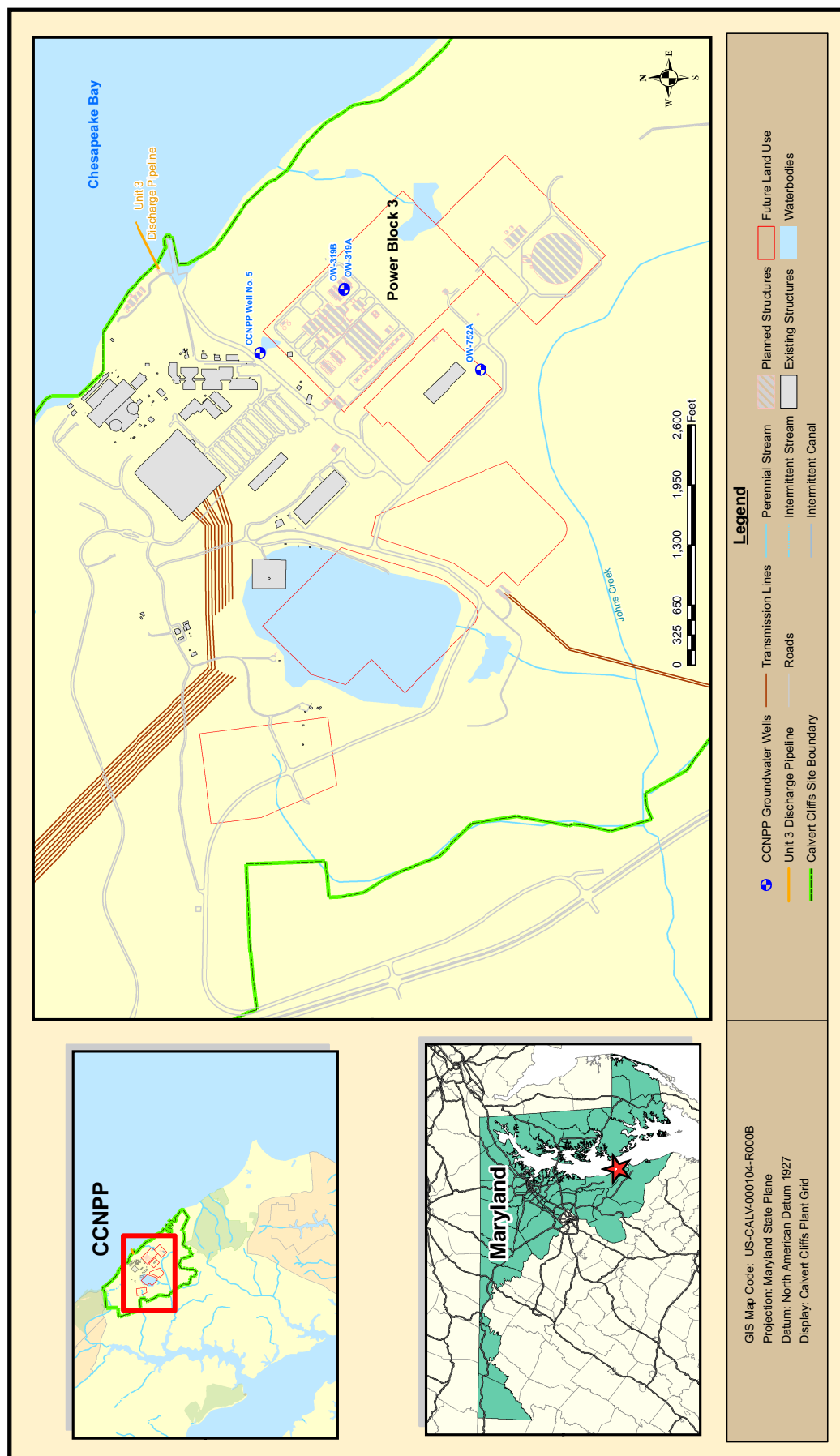
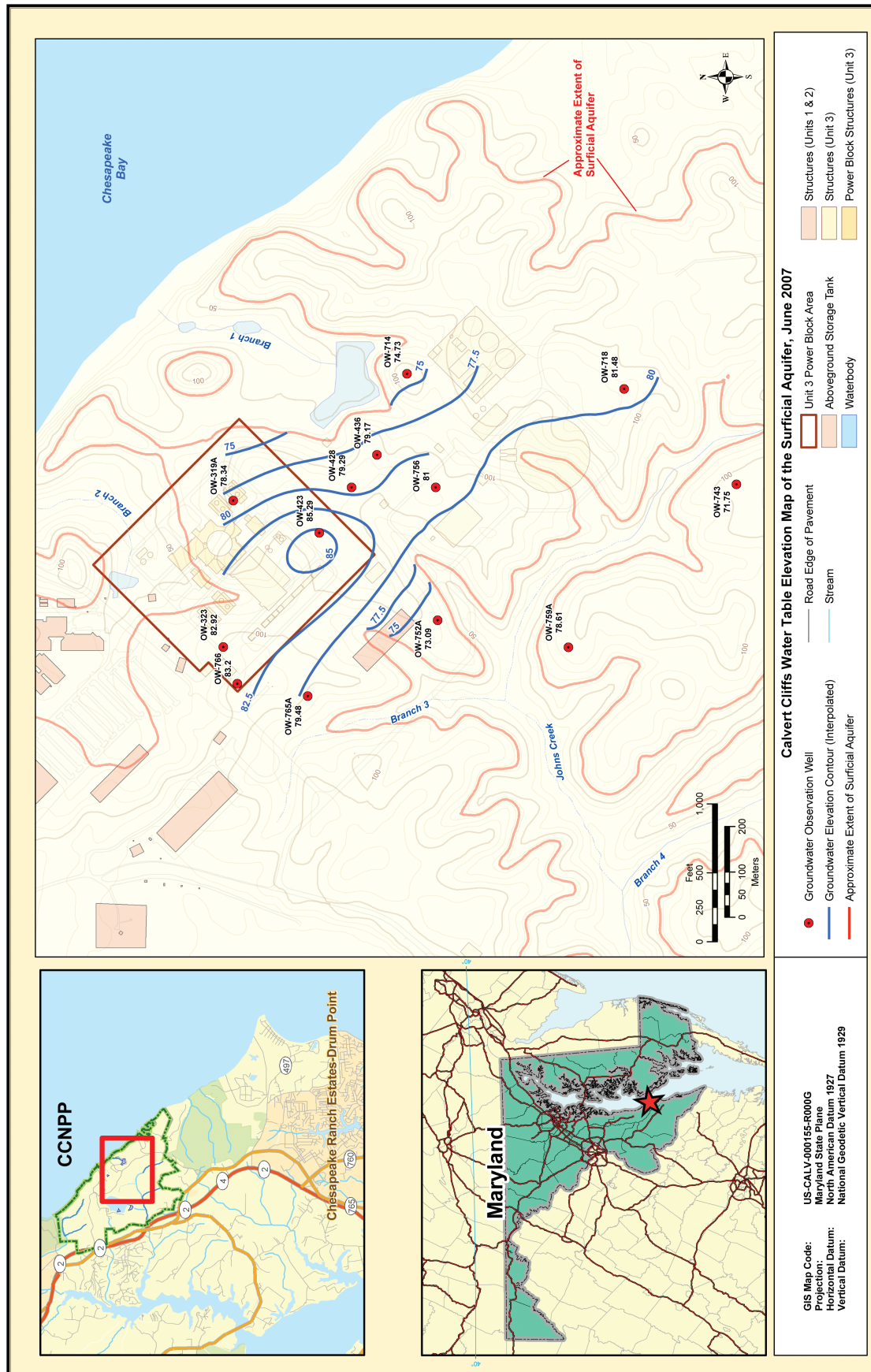


Figure 2.3-77 — Groundwater Sampling Locations at CCNPP, May 2007



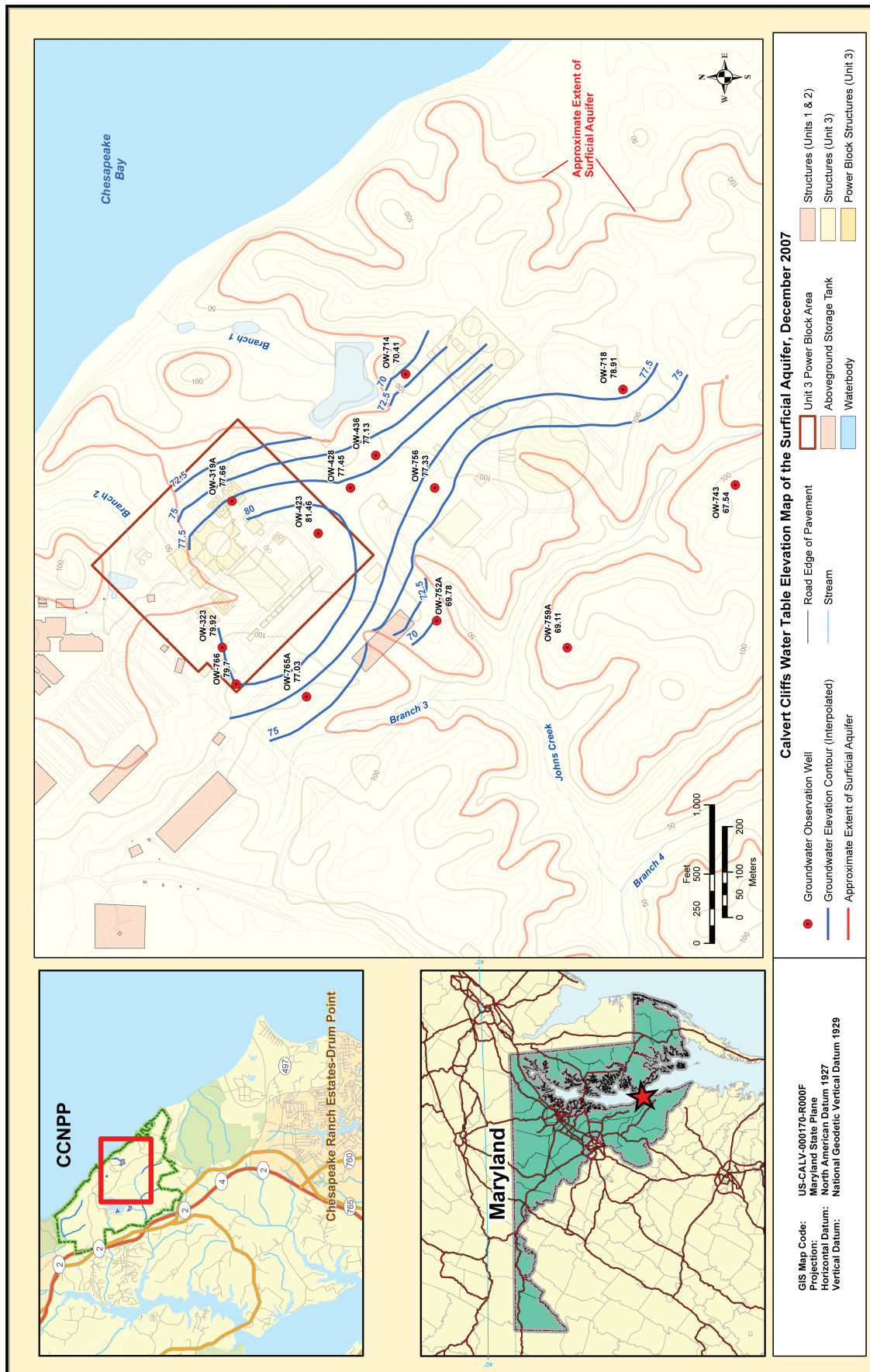
See Figure 2.1-1 and Figure 3.1-2 for Site and Powerblock layout

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



See Figure 2.1-1 and Figure 3.1-2 for Site and Powerblock layout

Figure 2.3-79— Water Table Elevation Map for the Surficial Aquifer, December 2007



See Figure 2.1-1 and Figure 3.1-2 for Site and Powerblock layout