Figure 2.4-61—{Potentiometric Surface of the Magothy Aquifer in Southern MD, September 2003}

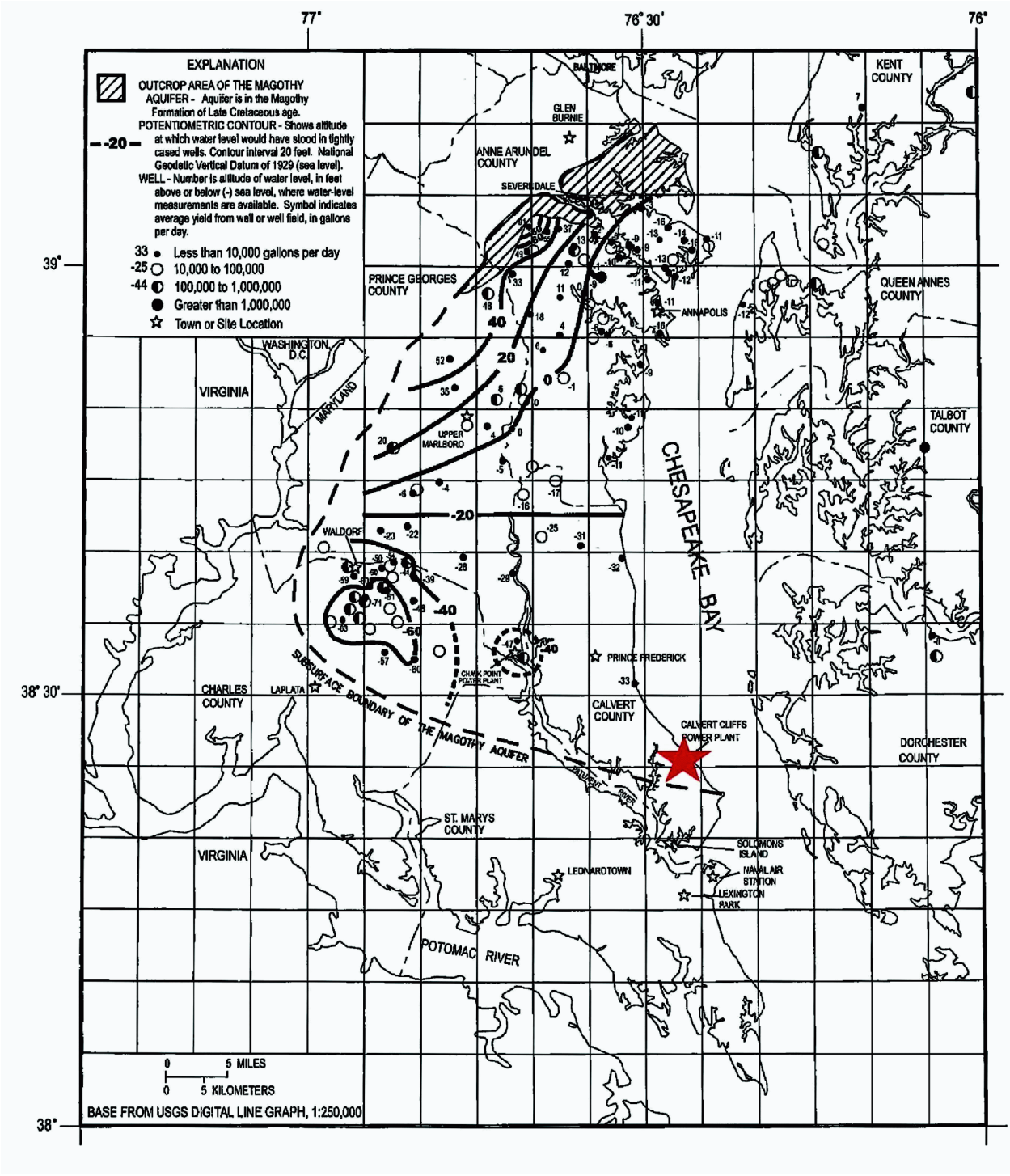


Figure 2.4-62—{Potentiometric Surface of the Upper Patapsco Aquifer in Southern MD, September 2003}

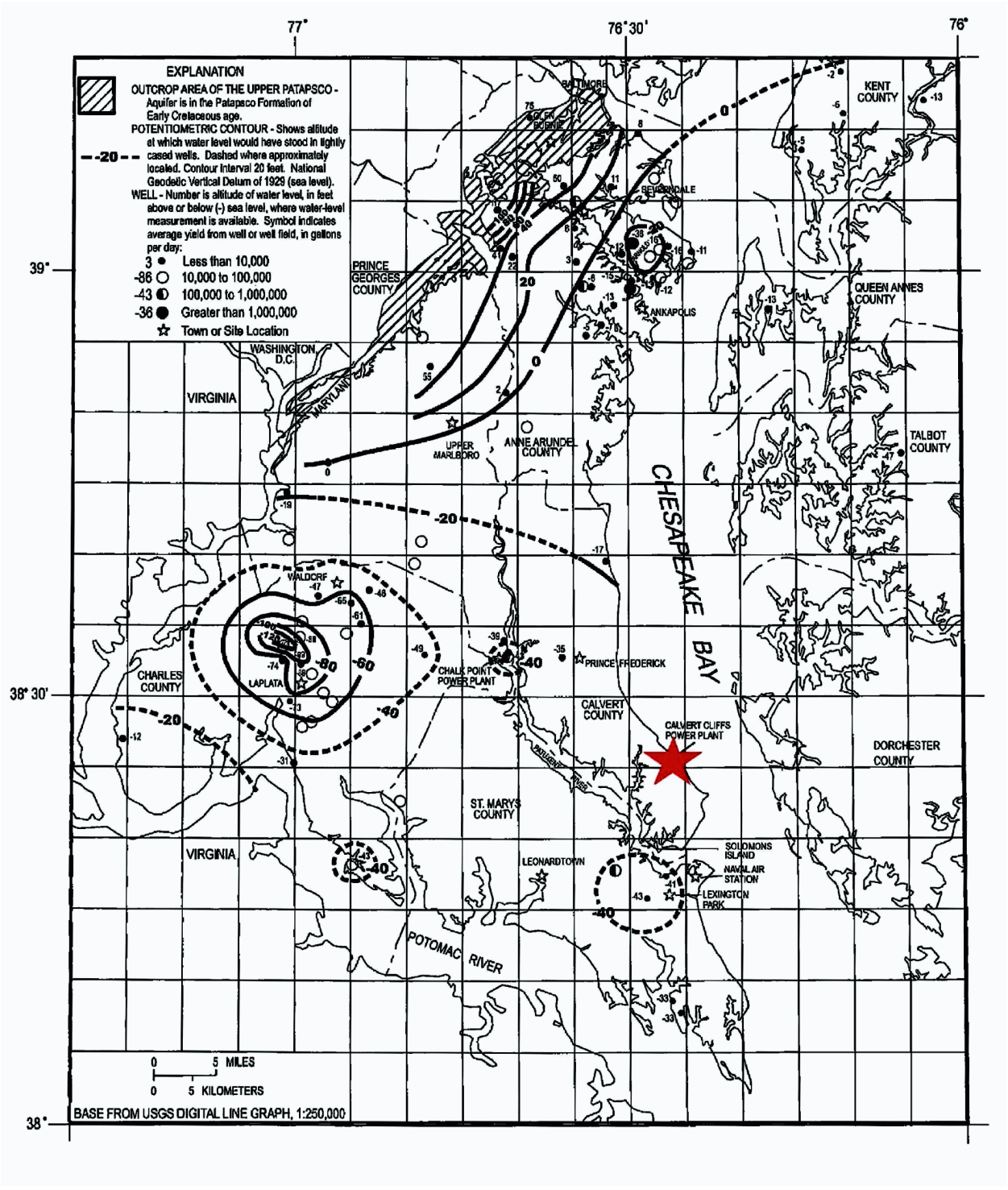
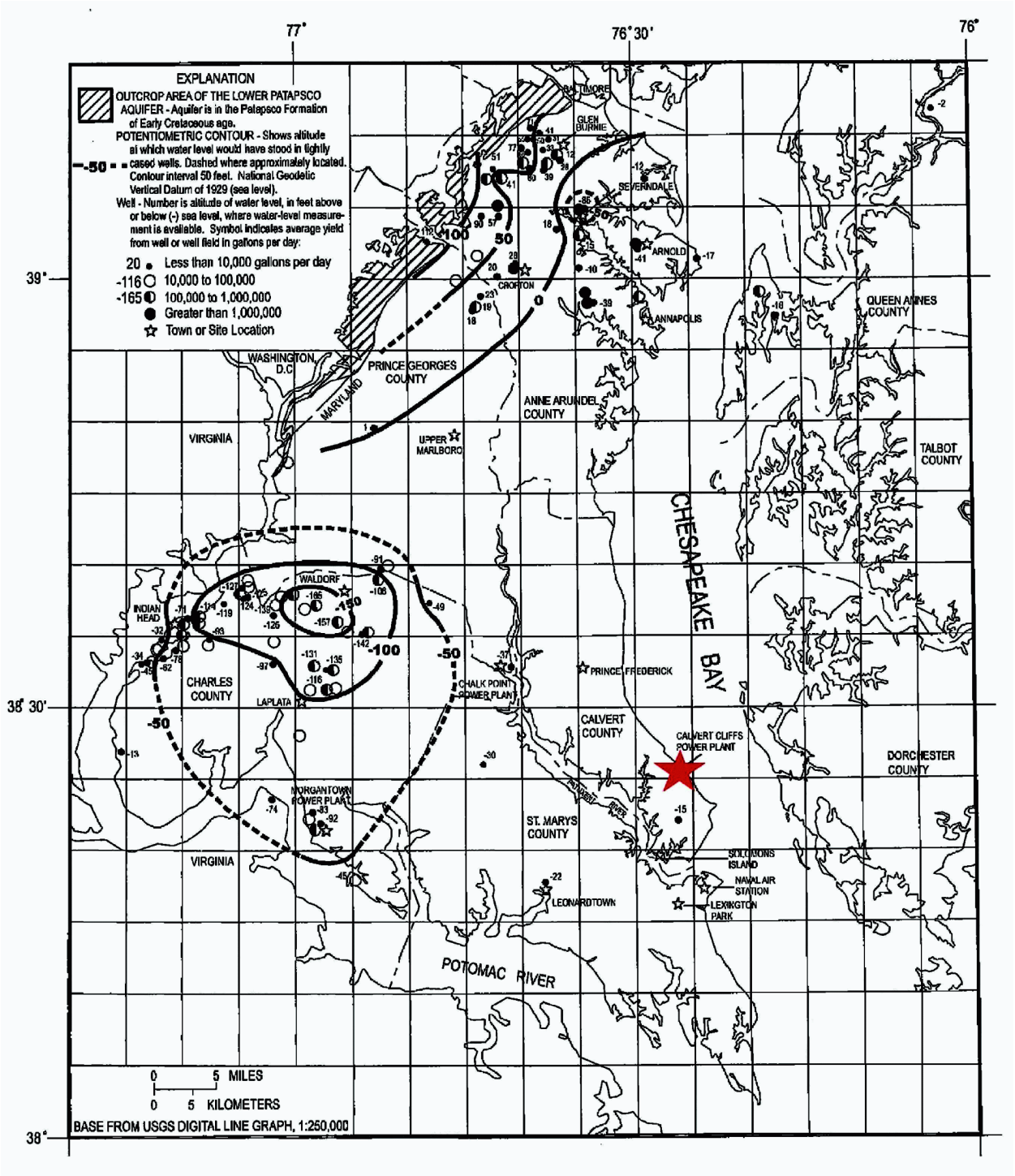


Figure 2.4-63—{Potentiometric Surface of the Lower Patapsco Aquifer in Southern MD, September 2003}



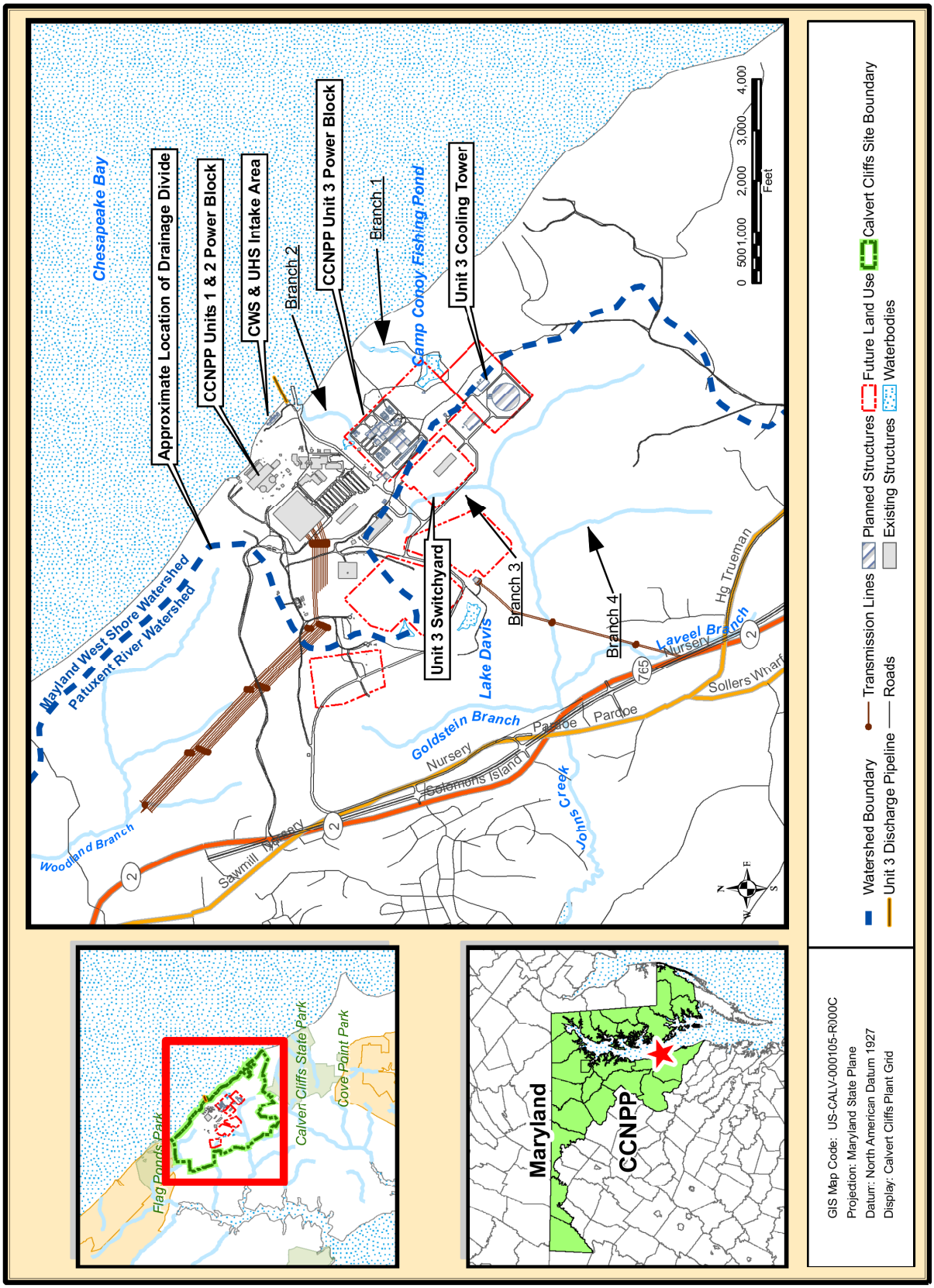


Figure 2.4-64—{CCNPP Site Area Topography and Drainage}

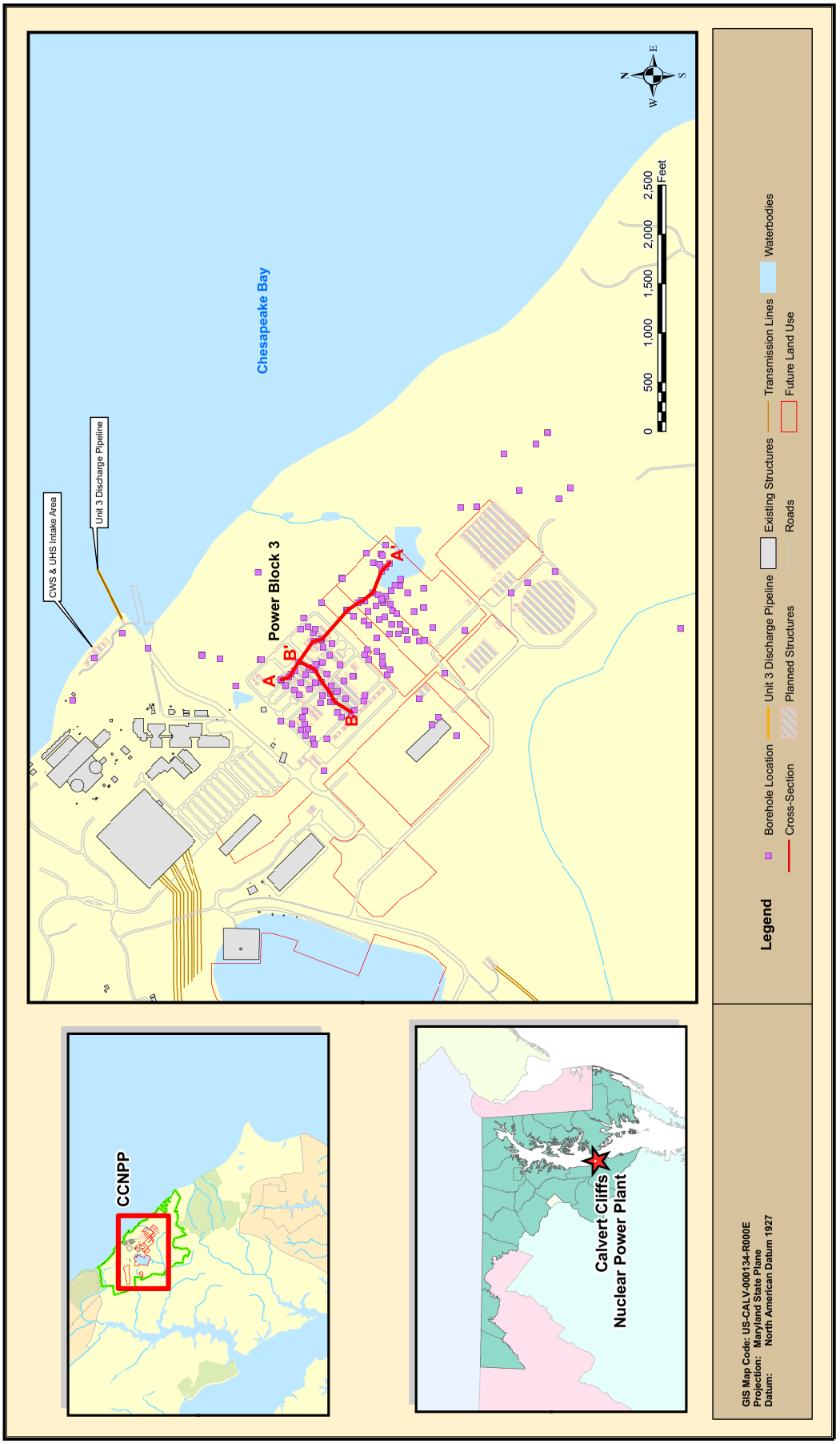


Figure 2.4-65—{Cross-Section and Soil Boring Locations in the Vicinity of CCNPP Unit 3}

Figure 2.4-66—{Cross-Section A-A' Through Proposed Unit 3 Power Block Area}

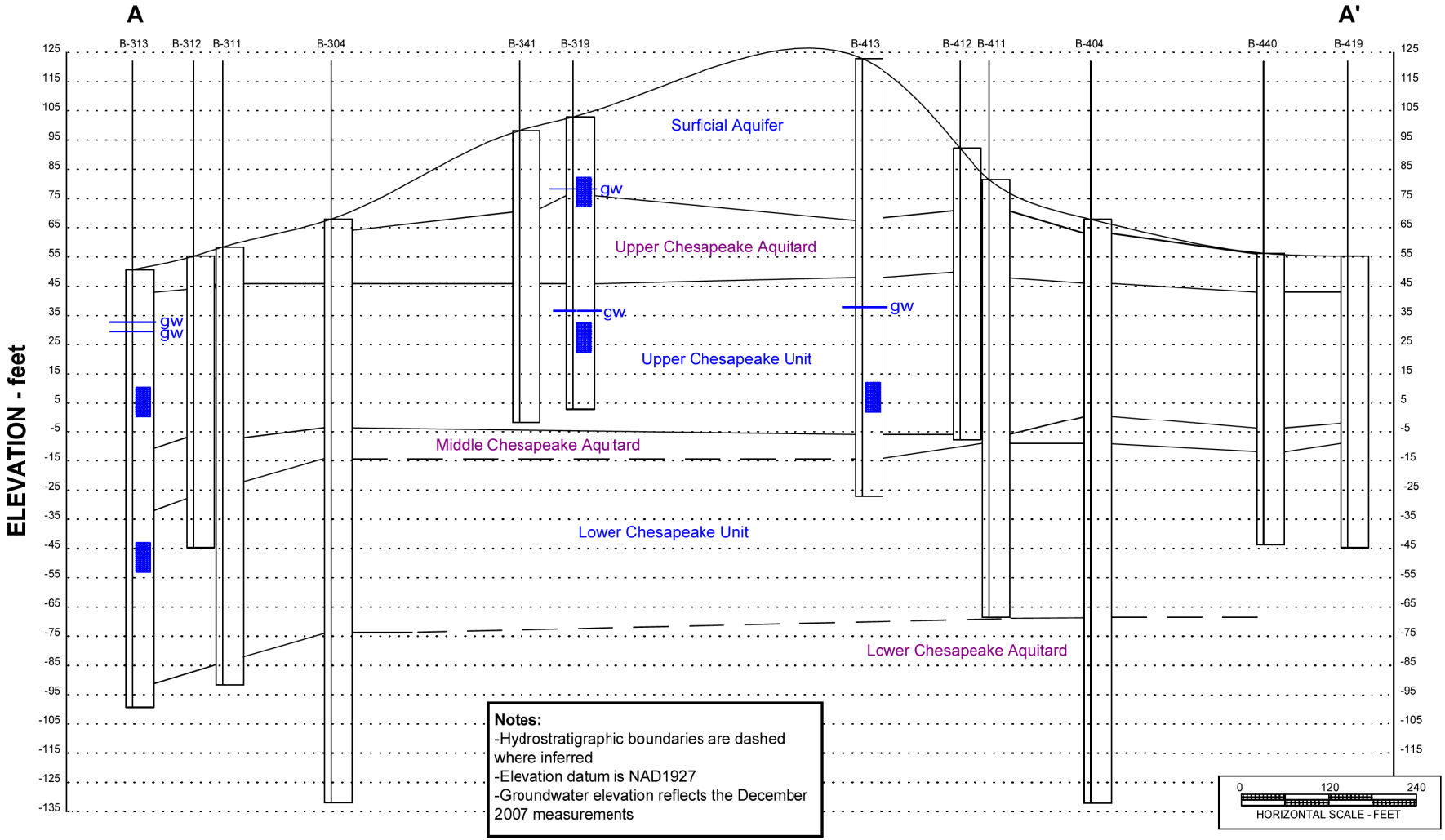
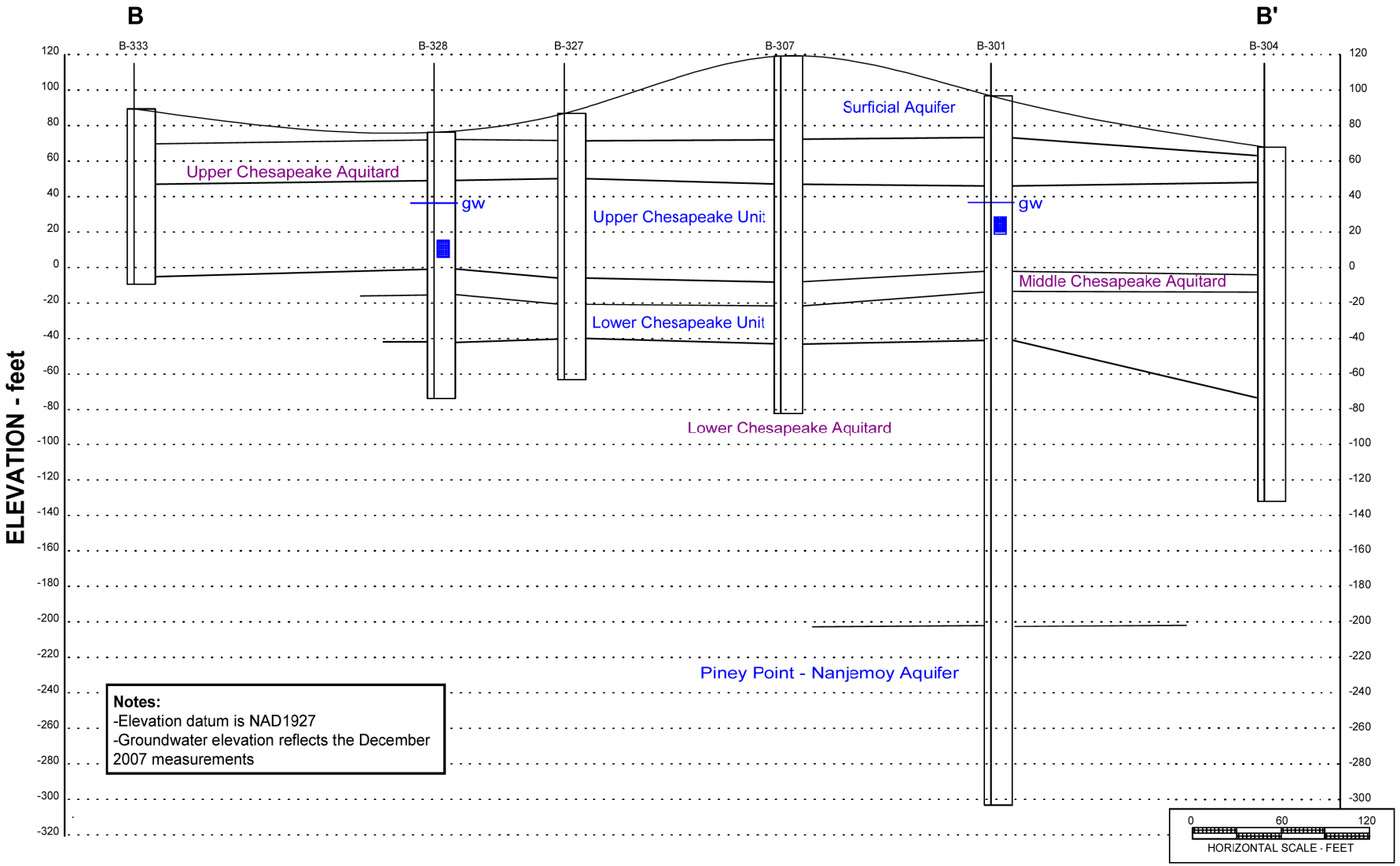


Figure 2.4-67—{Cross-Section B-B' Through Proposed Unit 3 Power Block Area}



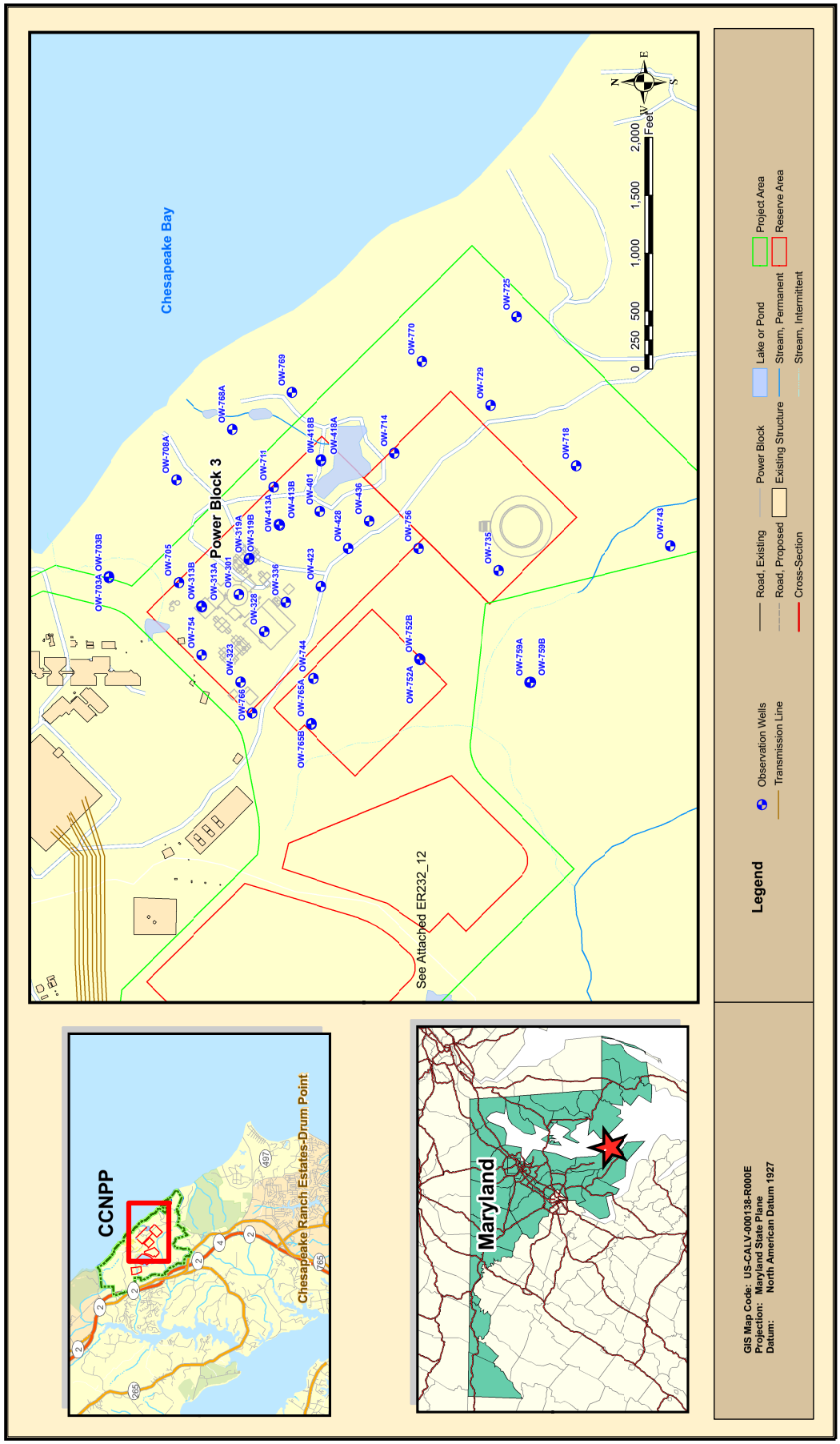
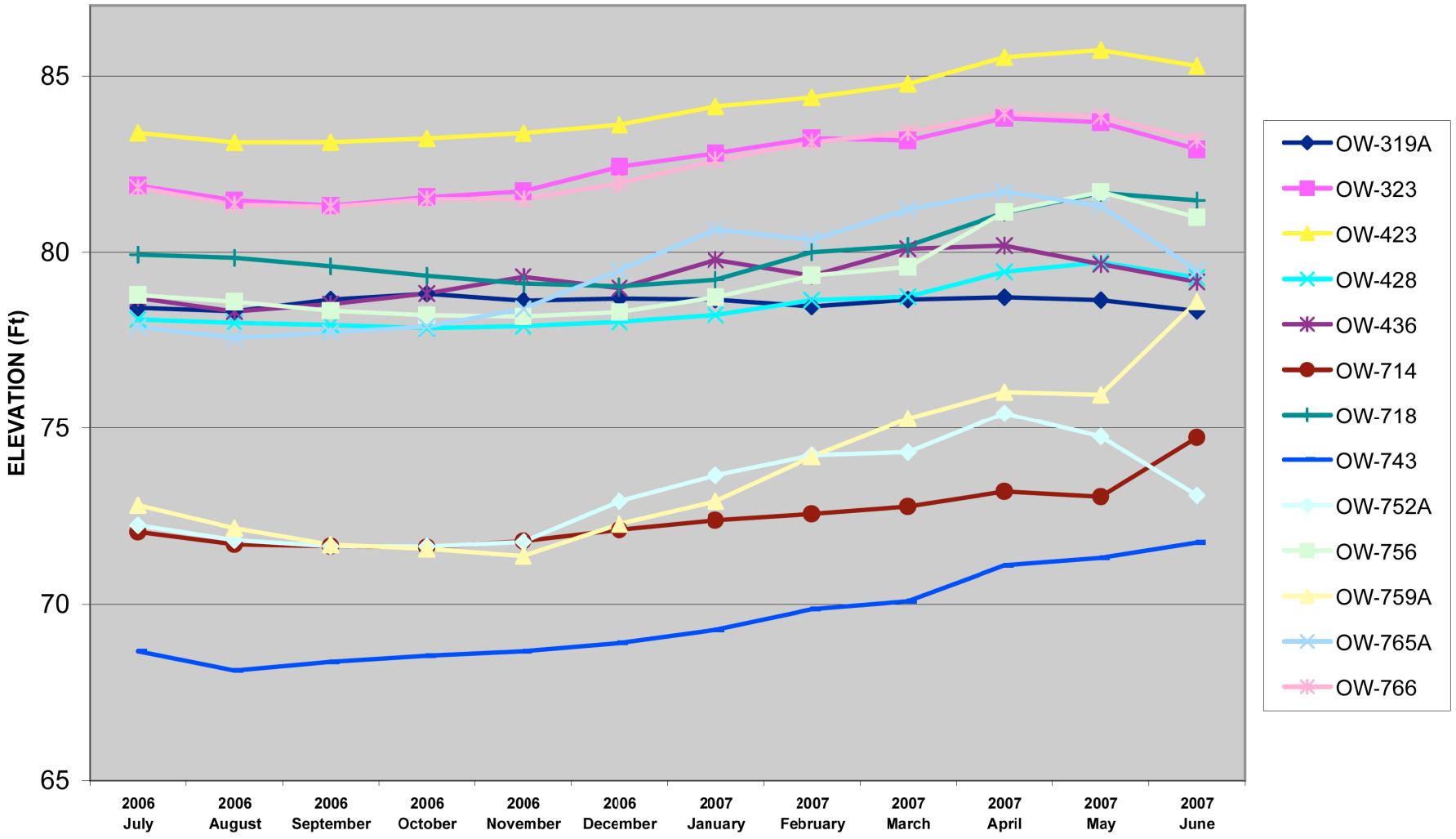


Figure 2.4-68—{Groundwater Observation Wells and Cross-Section Locations in the Vicinity of CCNPP Unit 3}

Figure 2.4-69—{Ground Water Elevations for the Surficial Aquifer, July 2006 Through June 2007}



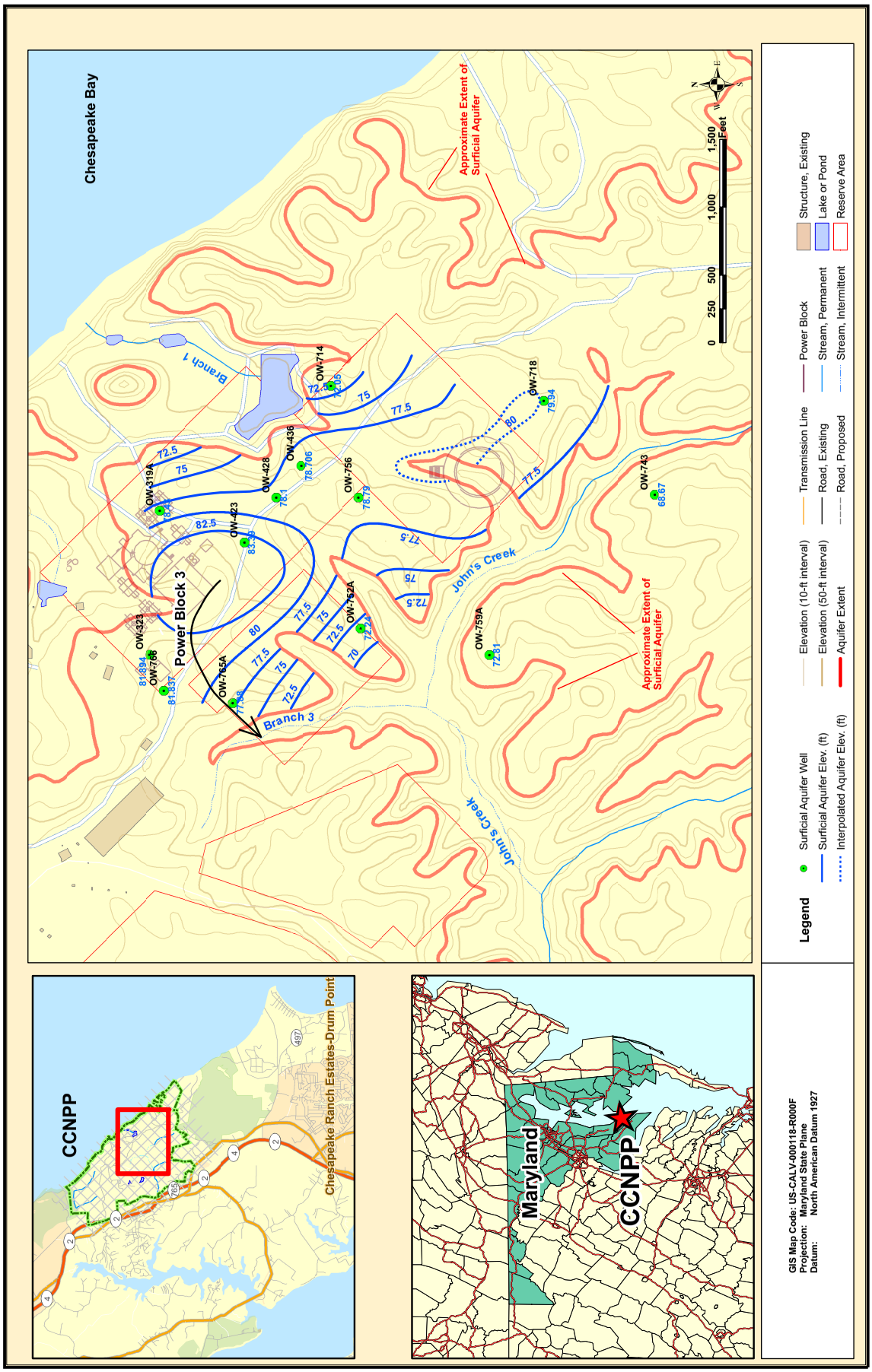


Figure 2.4-70—{Water Table Elevation Map and Groundwater Flow Direction for the Surficial Aquifer, July 2006}

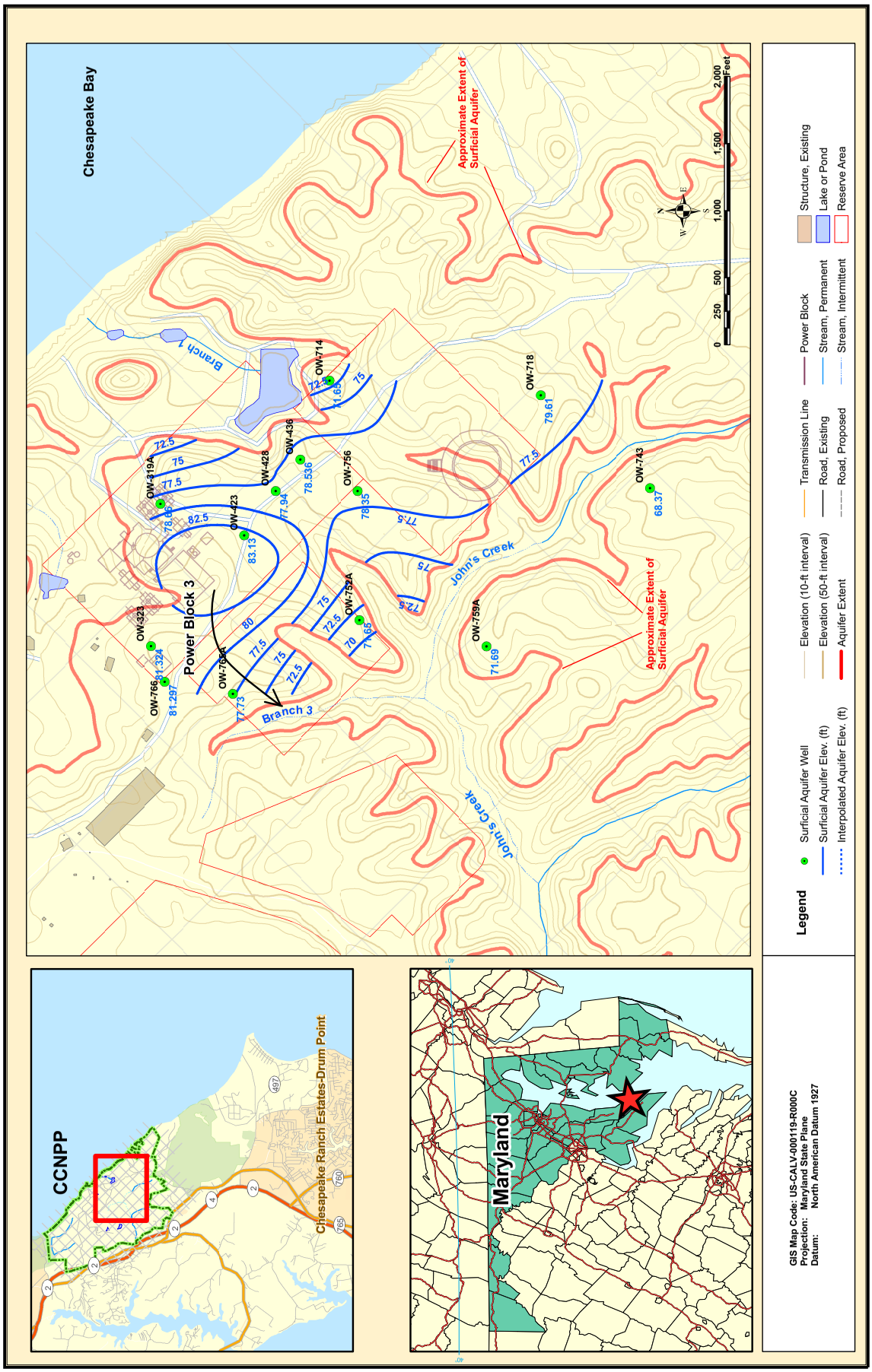
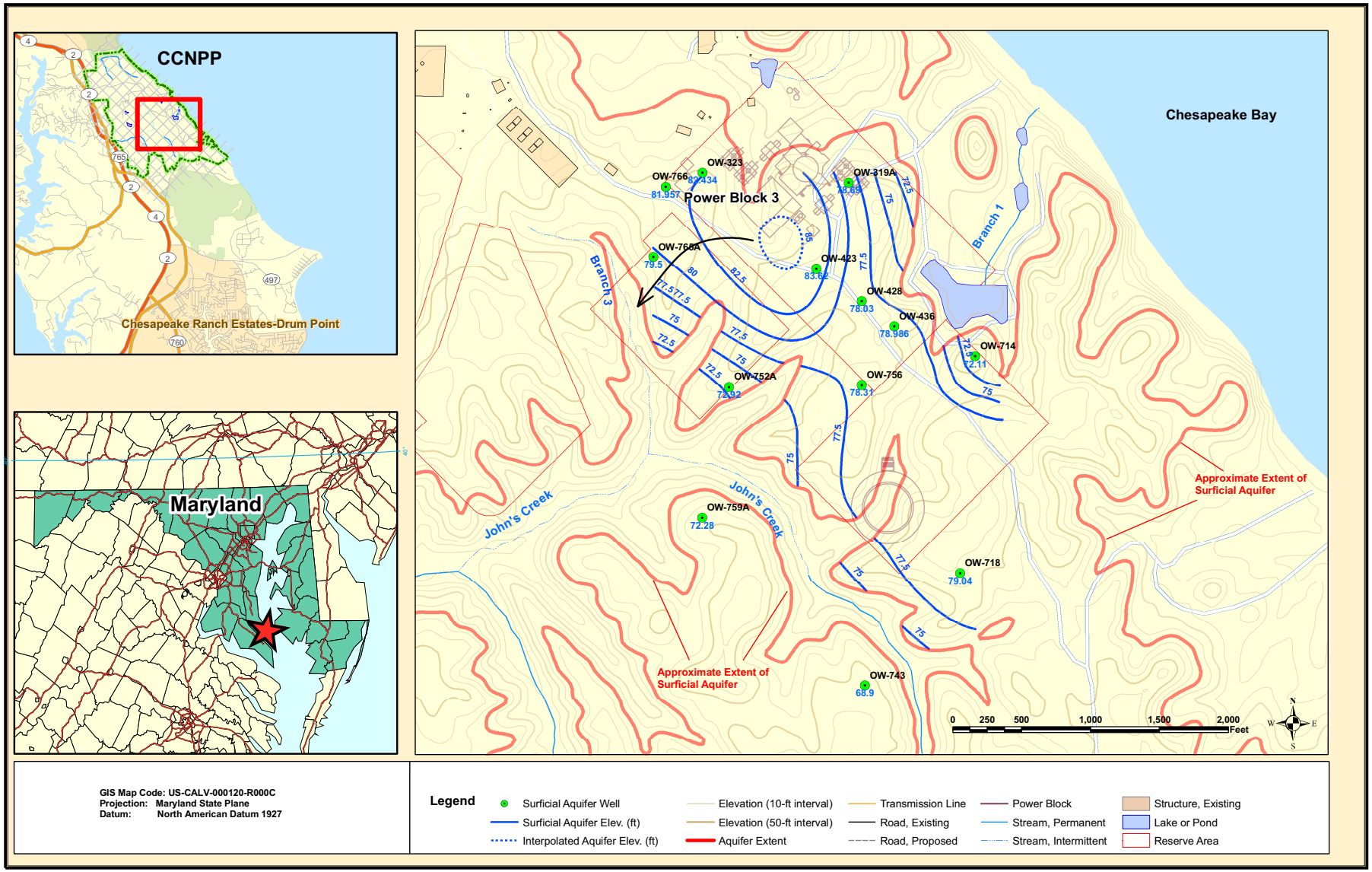


Figure 2.4-71—{Water Table Elevation Map and Groundwater Flow Direction for the Surficial Aquifer, September 2006}

Figure 2.4-72—{Water Table Elevation Map and Groundwater Flow Direction for the Surficial Aquifer, December 2006}



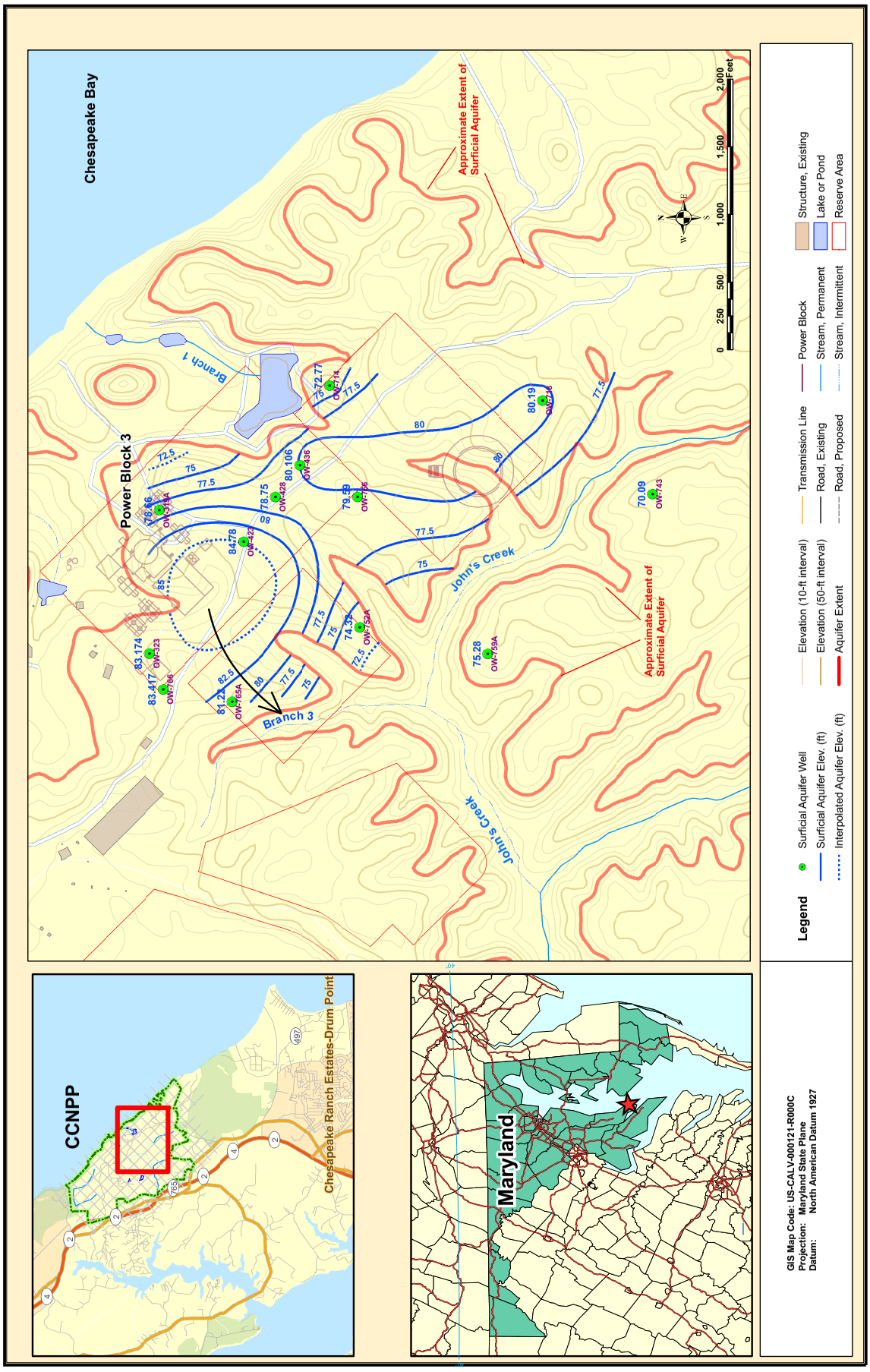


Figure 2.4-73—{Water Table Elevation Map and Groundwater Flow Direction for the Surficial Aquifer, March 2007}

Figure 2.4-74—{Groundwater Elevations for the Upper Chesapeake Unit, July 2006 Through June 2007}

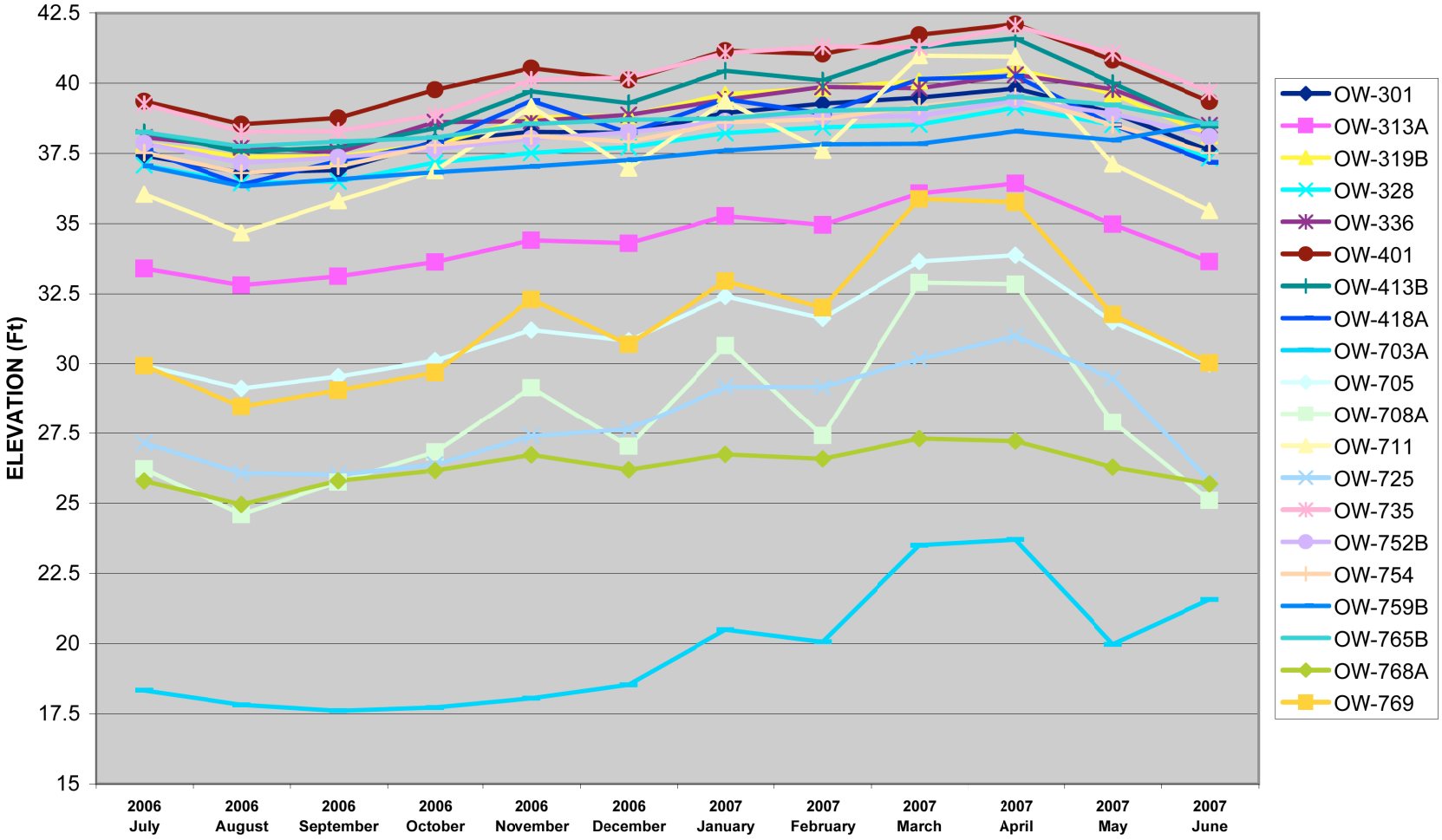
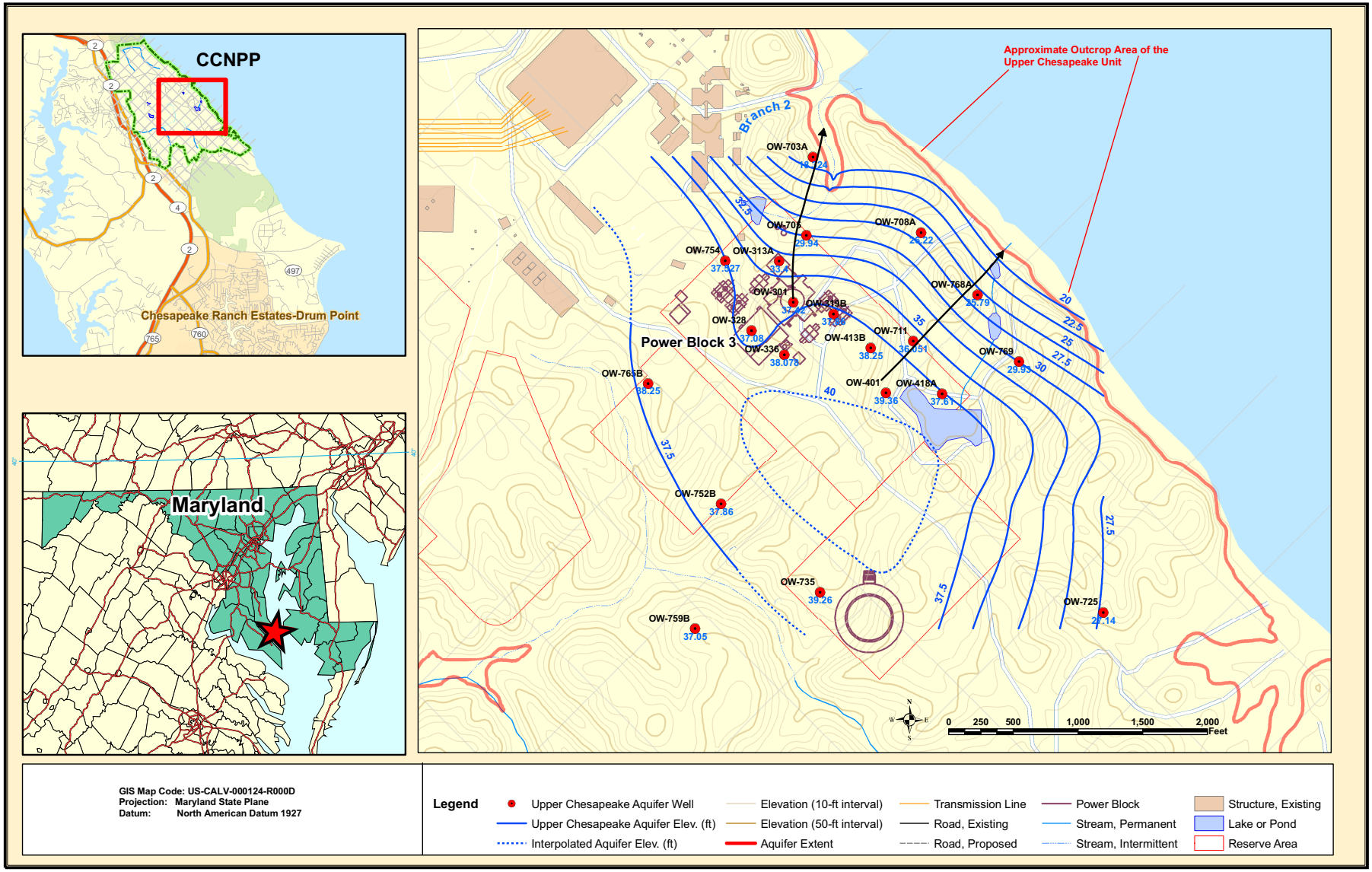


Figure 2.4-75—{Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Upper Chesapeake Unit, July 2006}



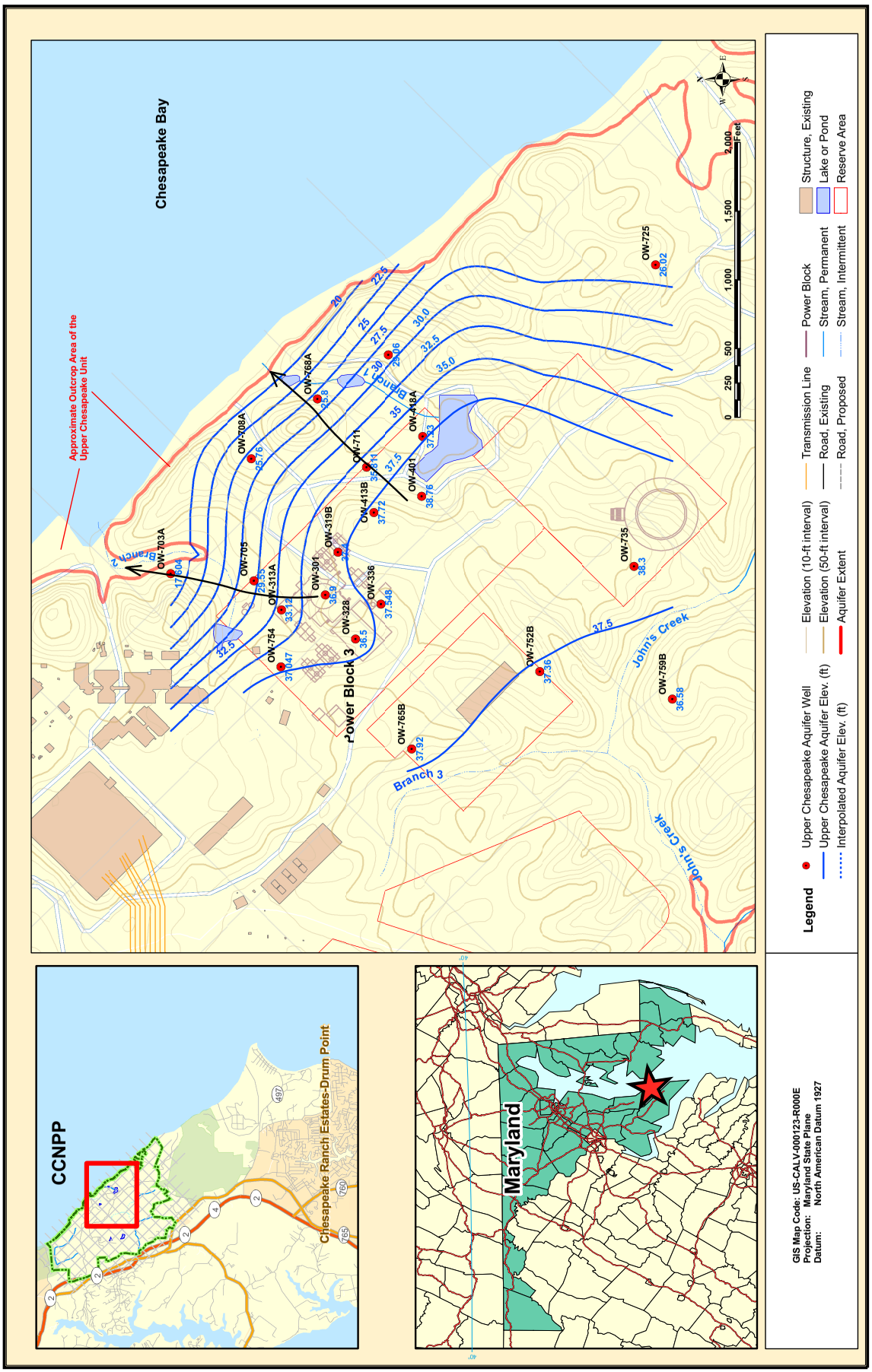


Figure 2.4-76—{Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Upper Chesapeake Unit, Sept 2006}

Figure 2.4-77— {Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Upper Chesapeake Unit, Dec 2006}

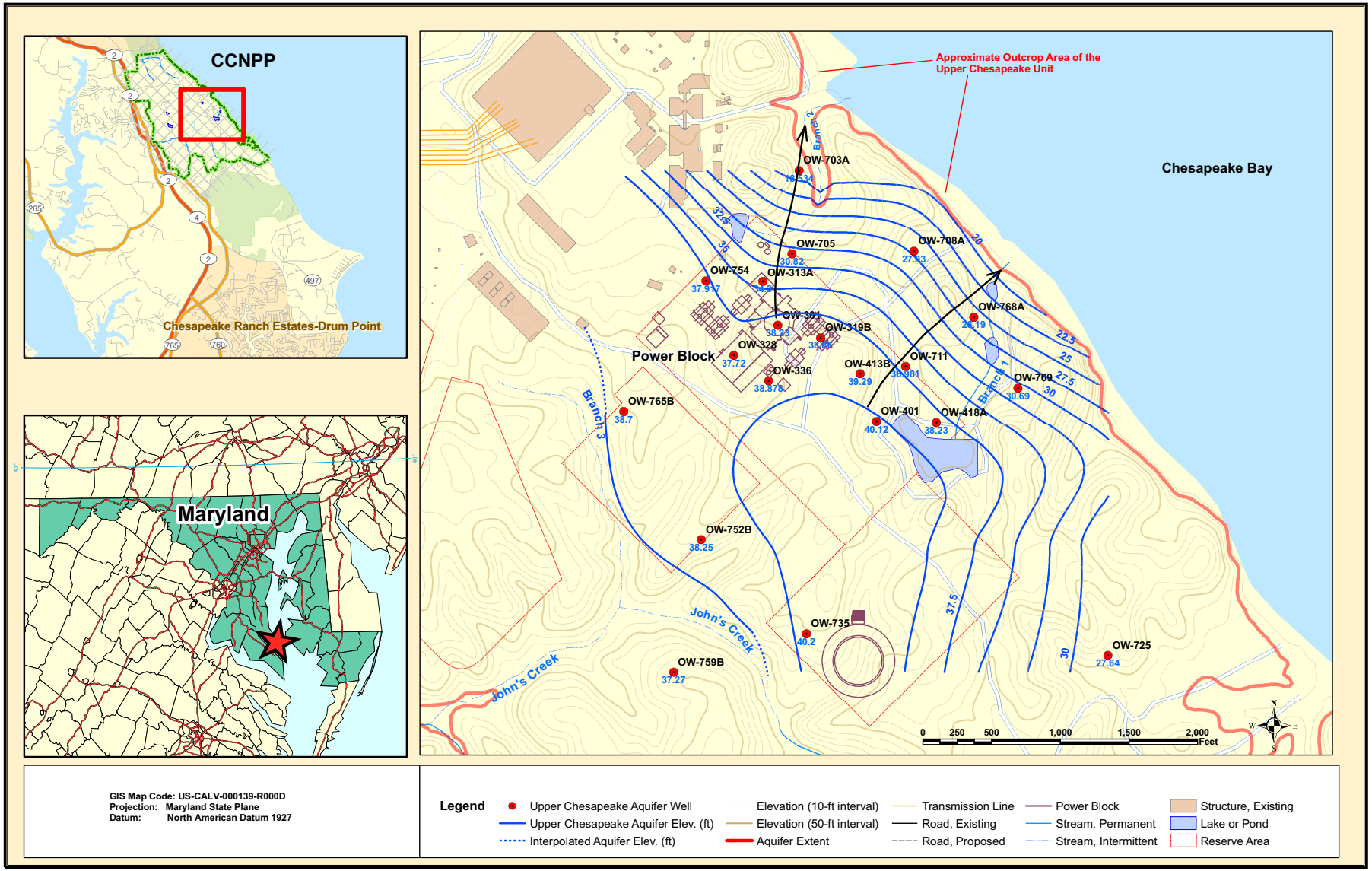


Figure 2.4-78—{Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Upper Chesapeake Unit, March 2007}

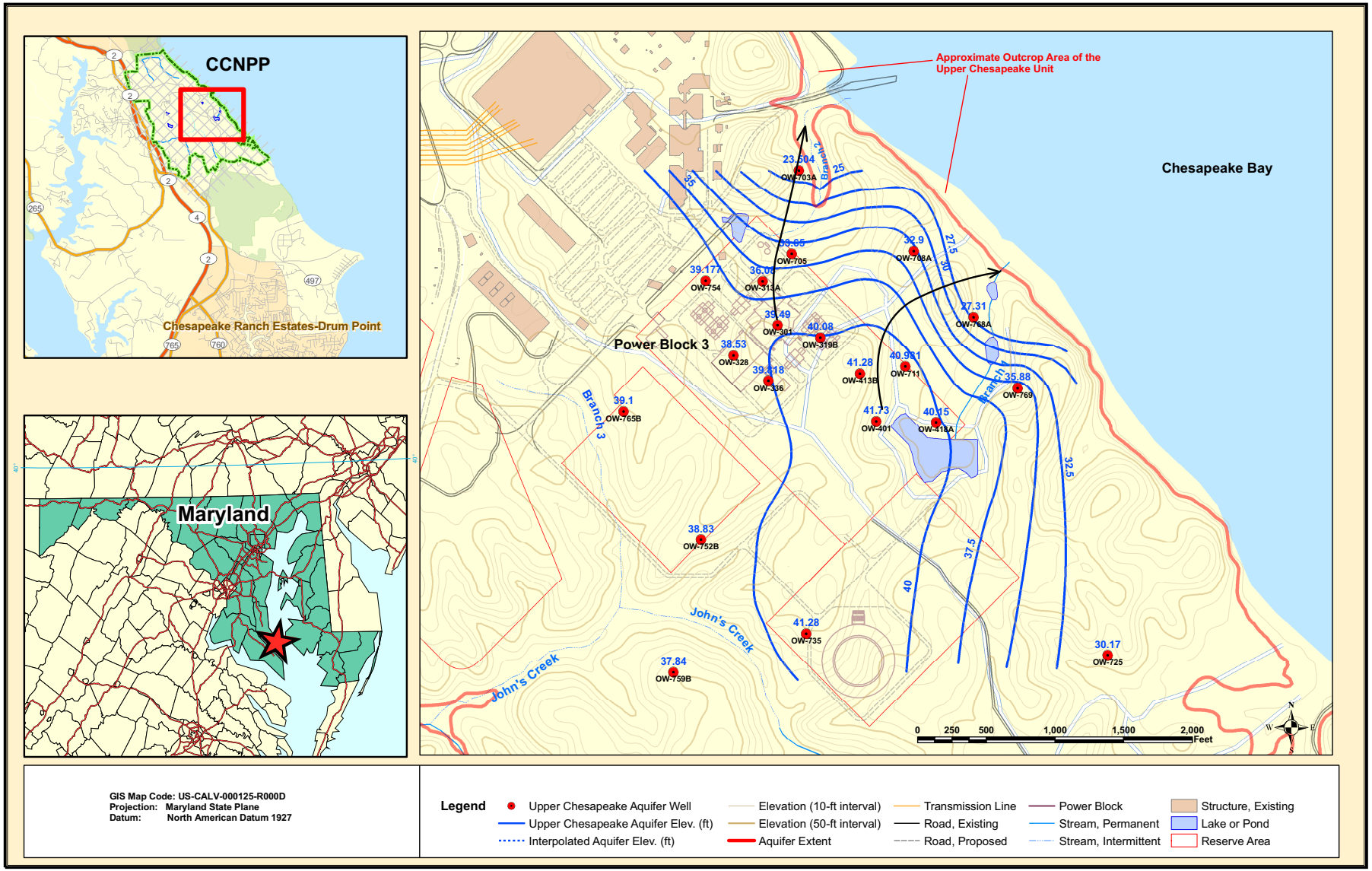
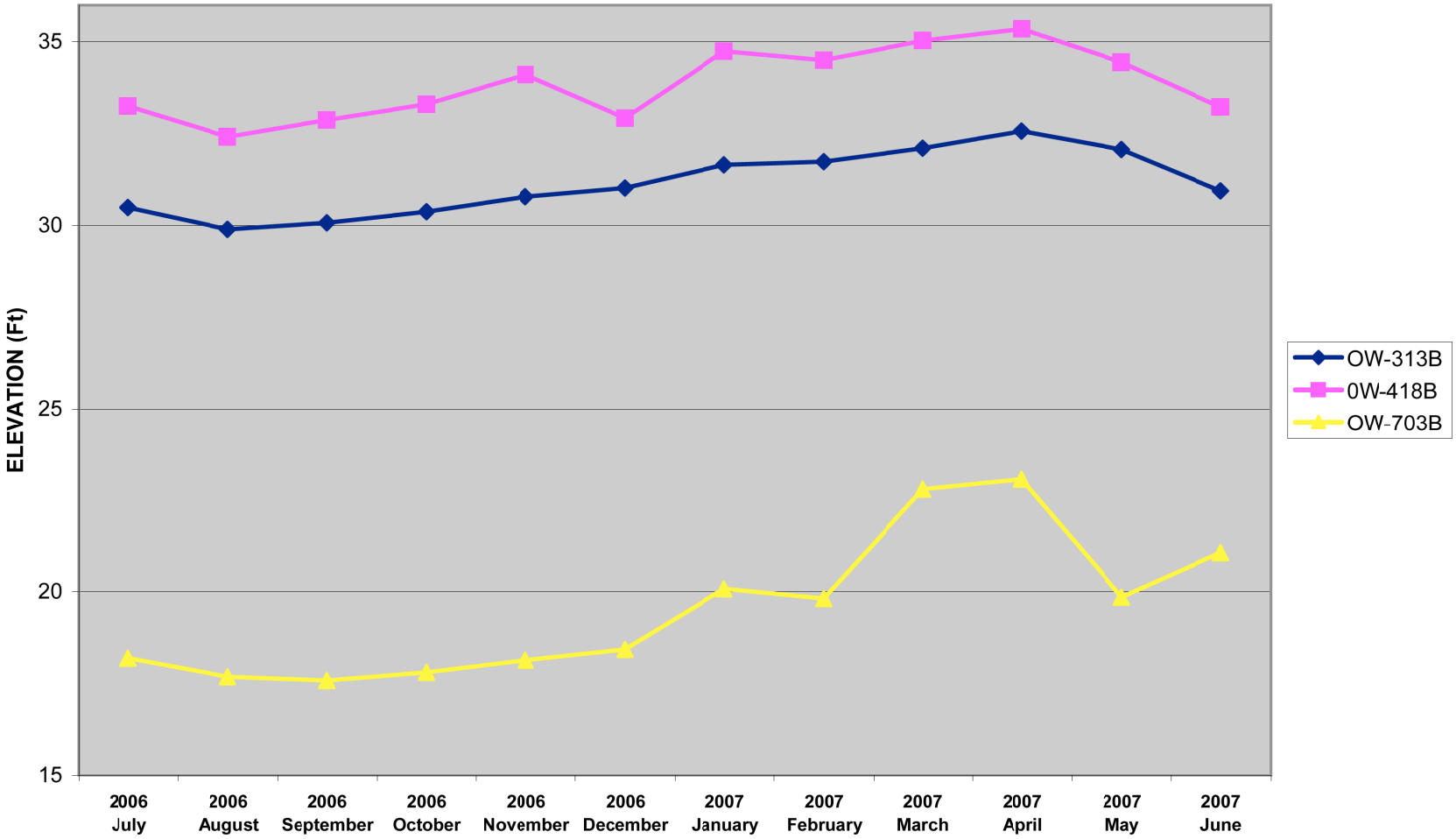


Figure 2.4-79—{Groundwater Elevations for the Lower Chesapeake Unit, July 2006 Through June 2007}



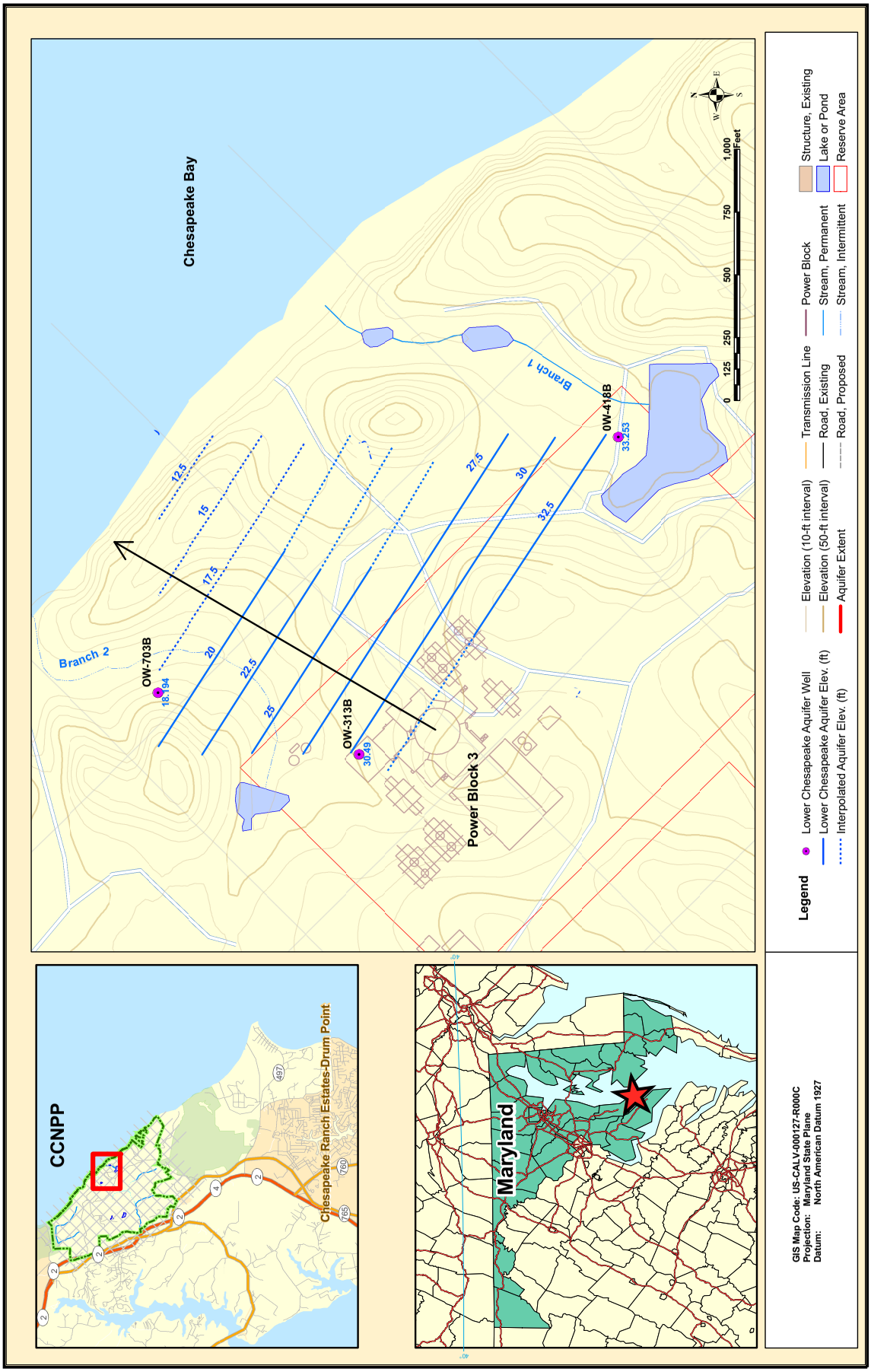


Figure 2.4-80—{Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, July 2006}

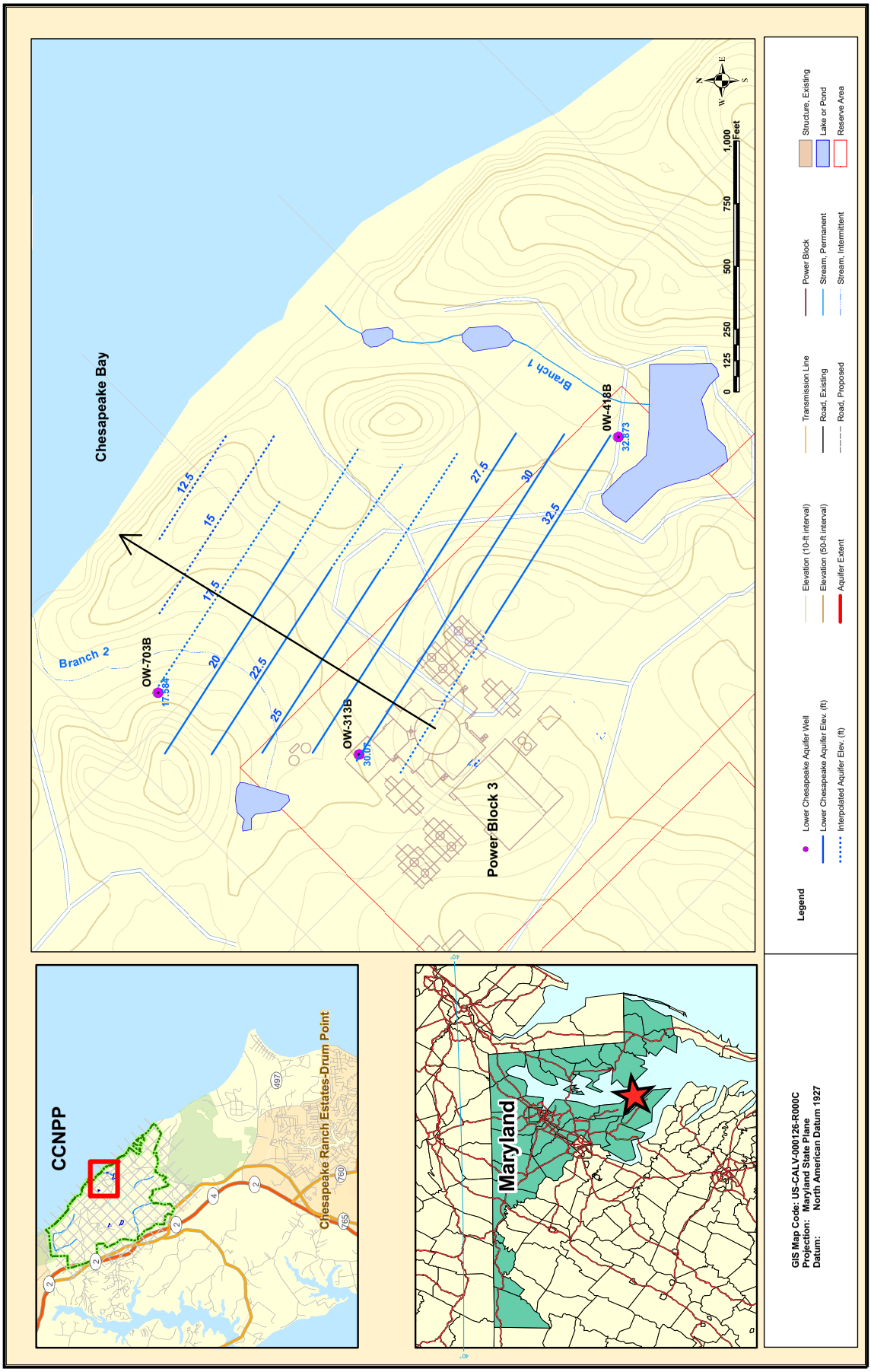


Figure 2.4-81—{Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, Sept 2006}

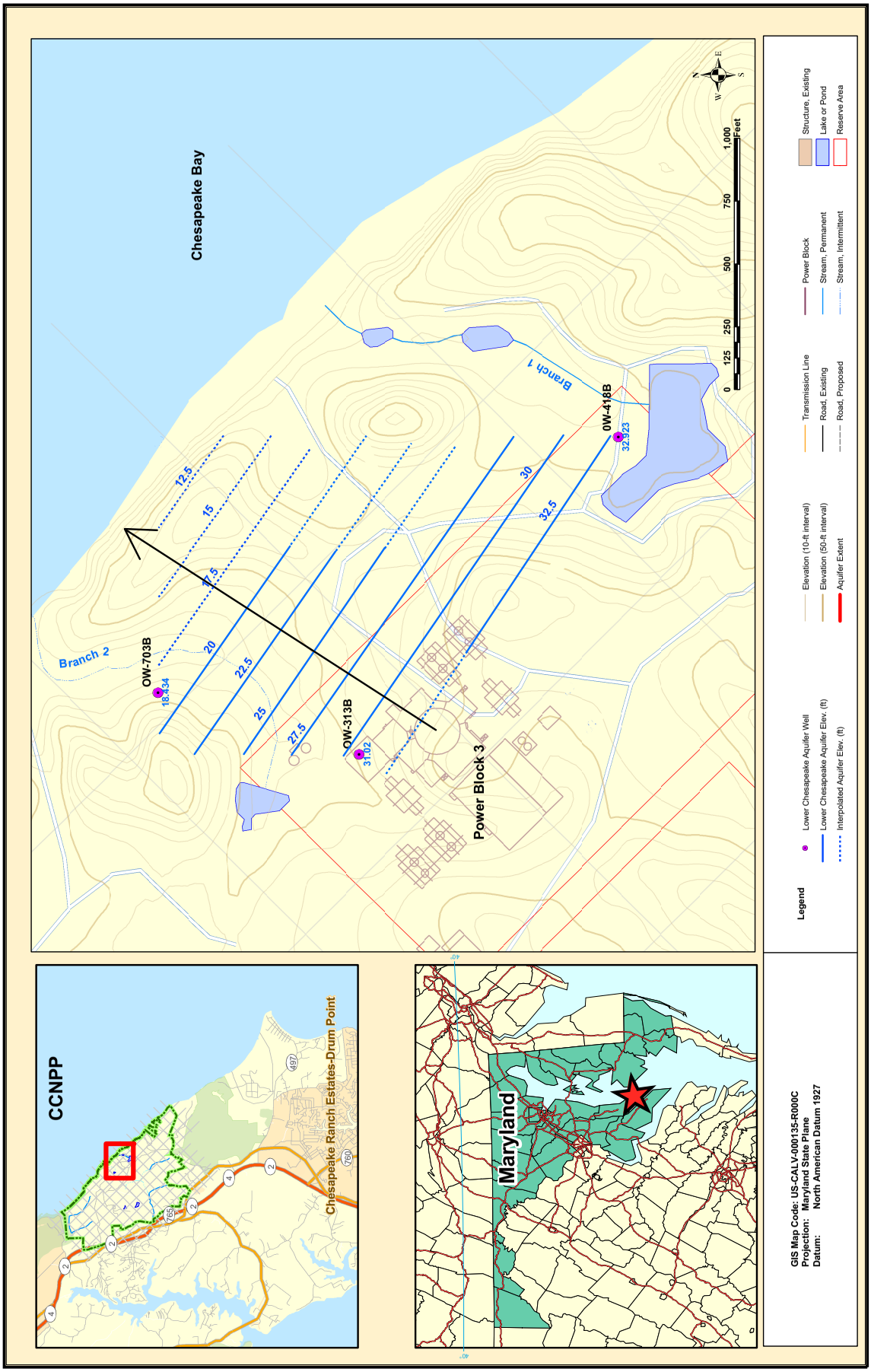


Figure 2.4-82—{Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, Dec 2006}

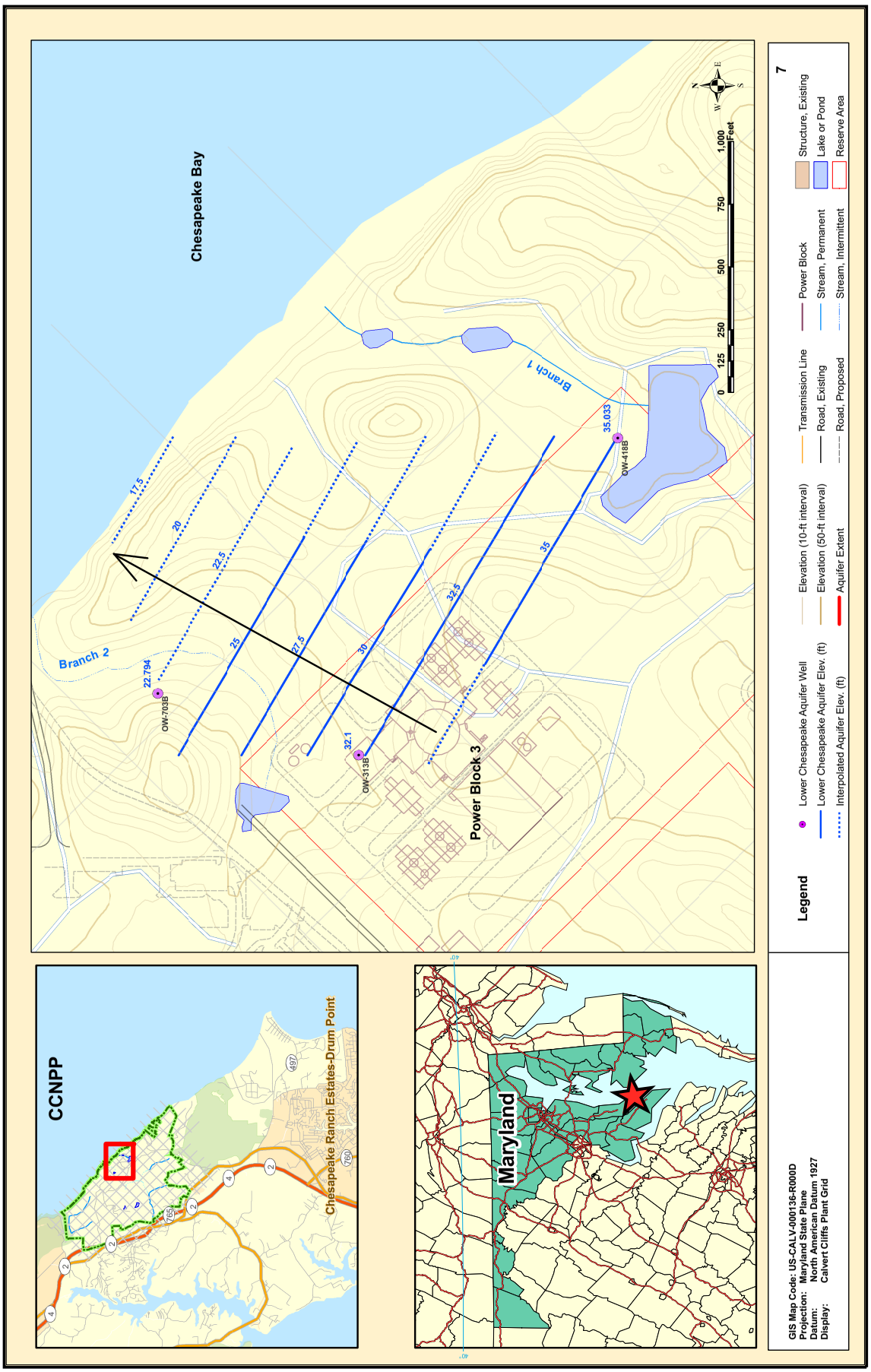


Figure 2.4-83—{Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, March 2007}

Figure 2.4-84—{US EPA Region 3 Sole Source Aquifers}

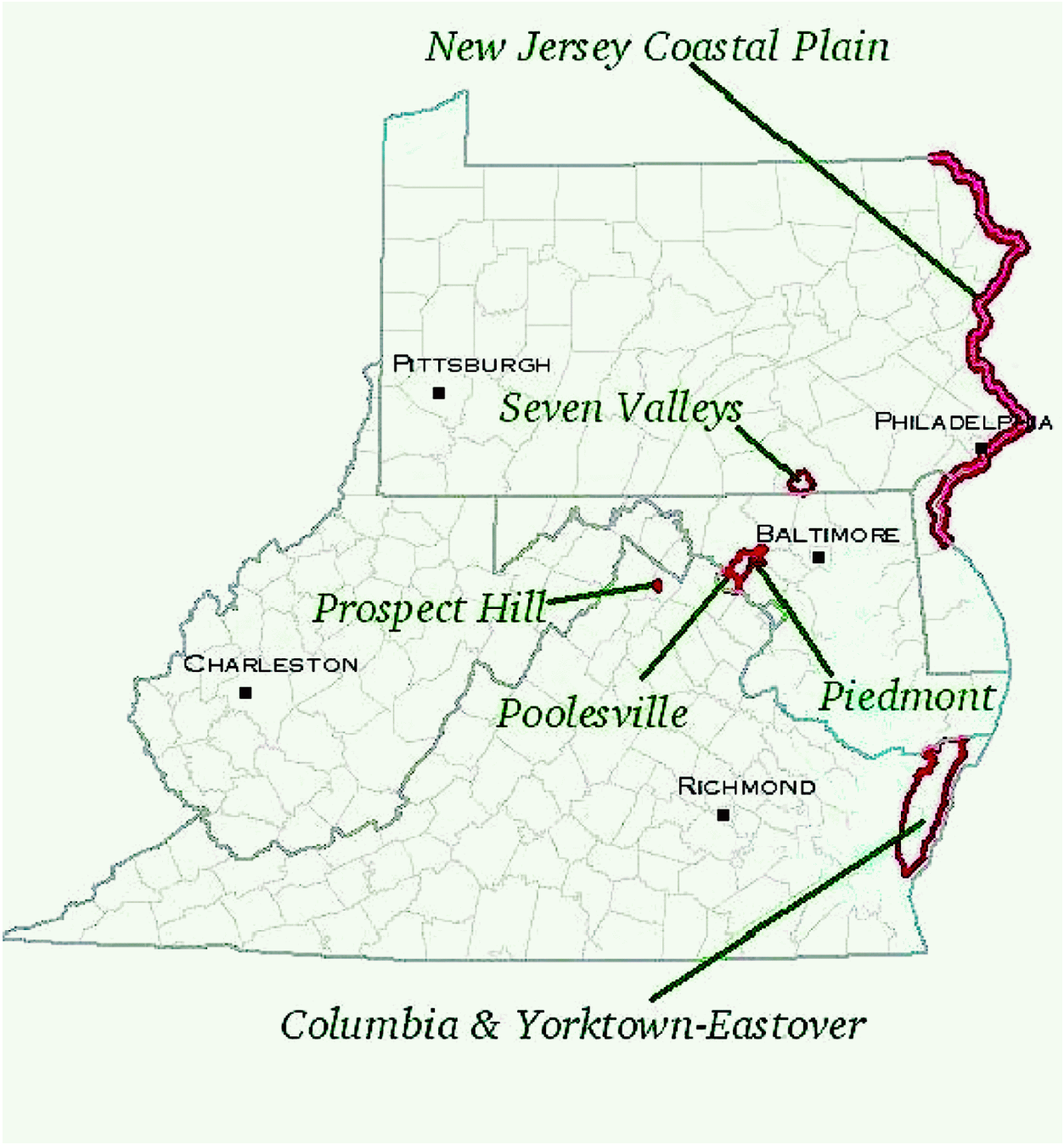
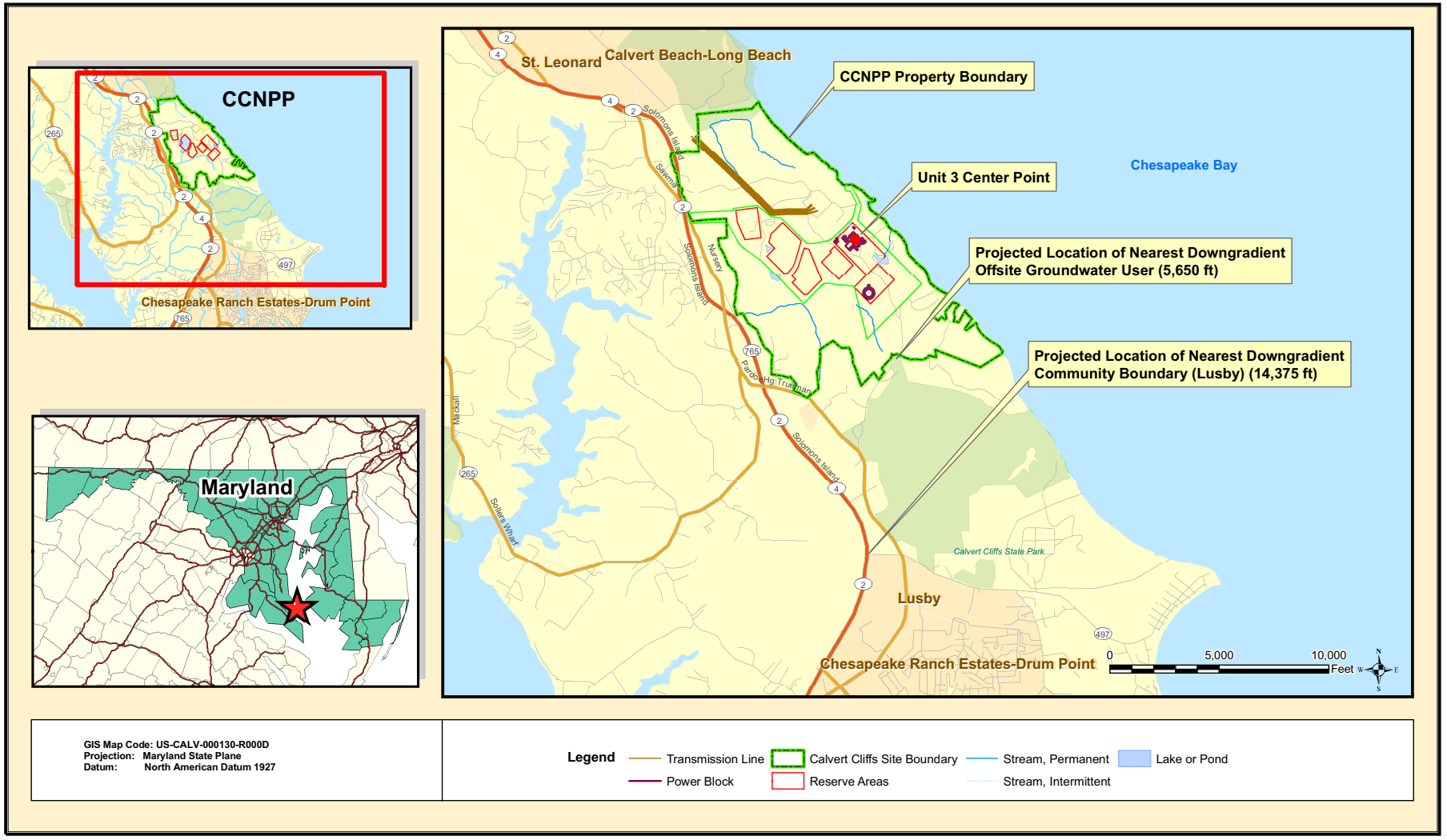


Figure 2.4-85—{Projected Location of Nearest Off-Site Groundwater Well and Community Water Supply System}



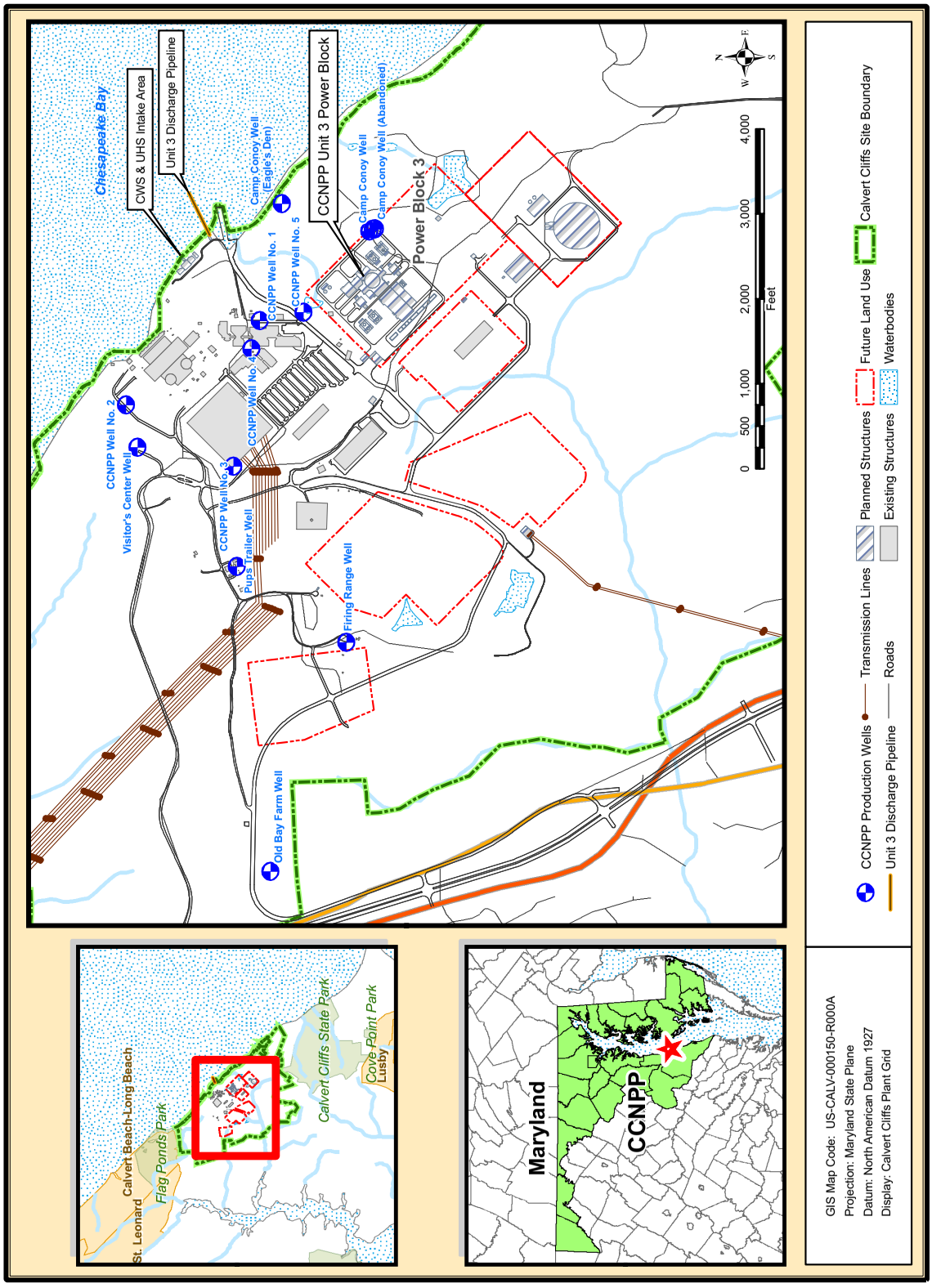


Figure 2.4-86—{CCNPP Water Production Wells}

Figure 2.4-87—{The Differences Between the Potentiometric Surfaces of the Aquia Aquifer, September 1982 and September 2003, in Southern Maryland}

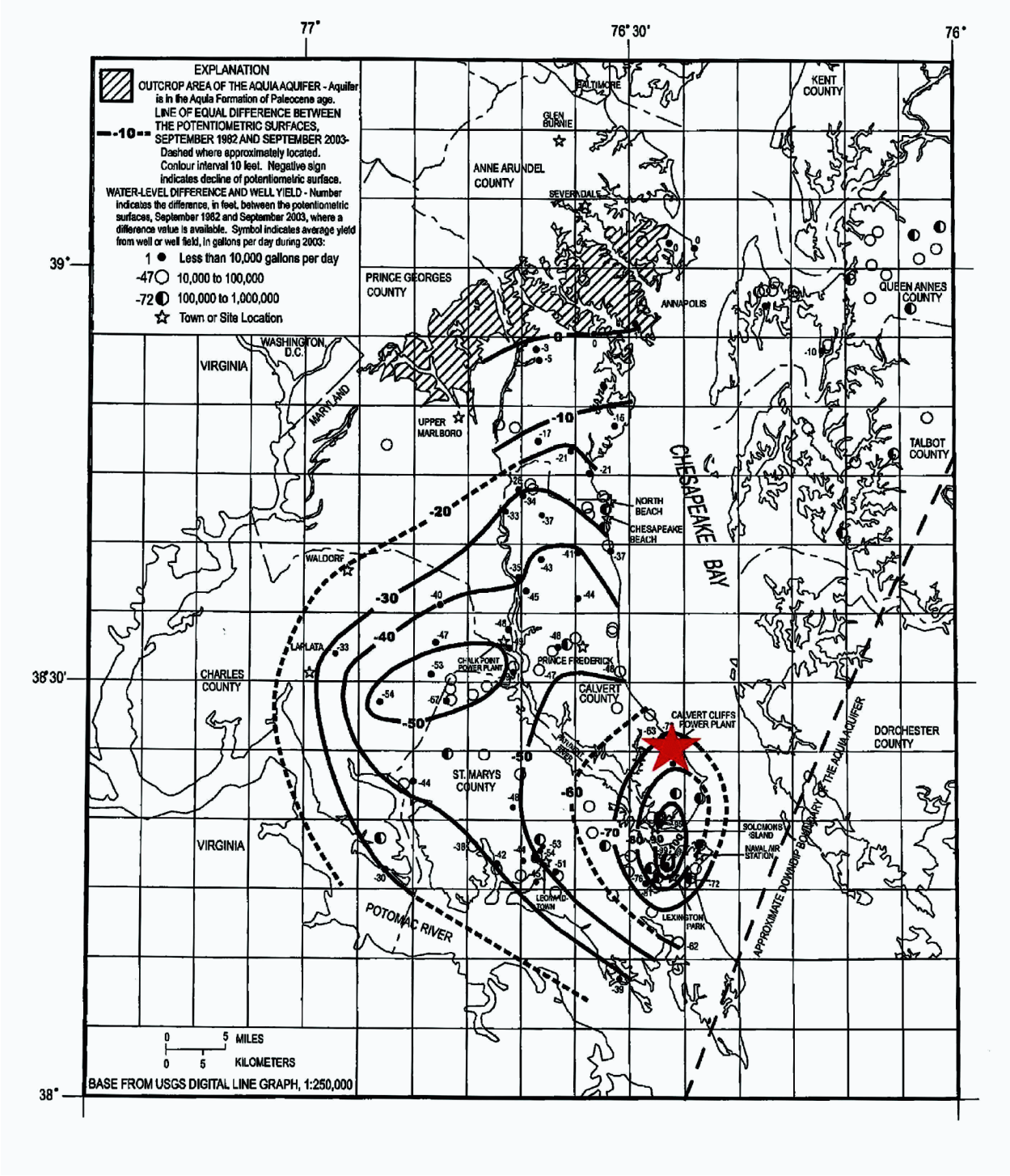


Figure 2.4-88—{The Differences Between the Potentiometric Surfaces of the Magothy Aquifer, September 1975 and September 2003, in Southern Maryland}

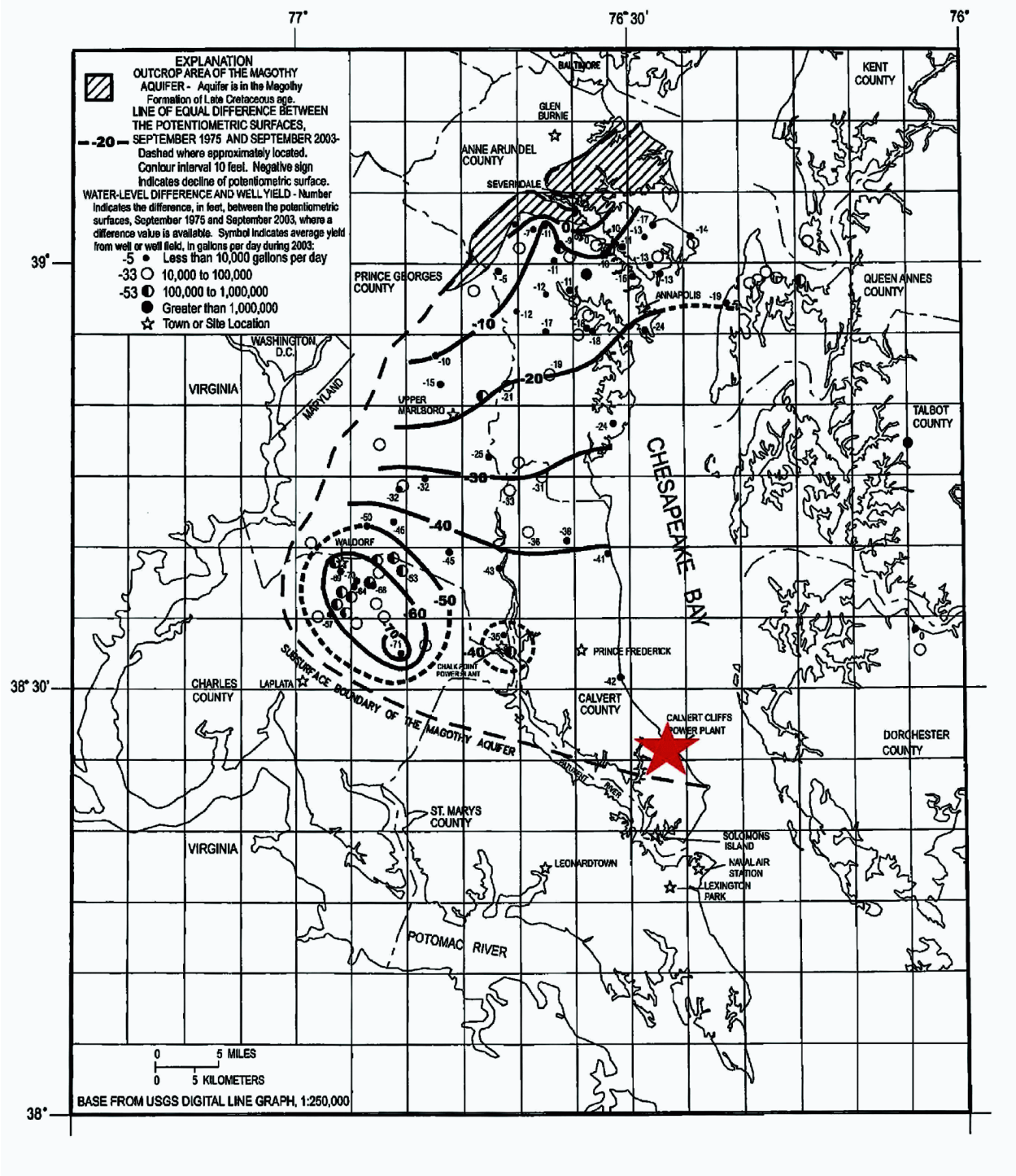


Figure 2.4-89—{The Differences Between the Potentiometric Surfaces of the Upper Patapsco Aquifer, September 1990 and September 2003, in Southern Maryland}

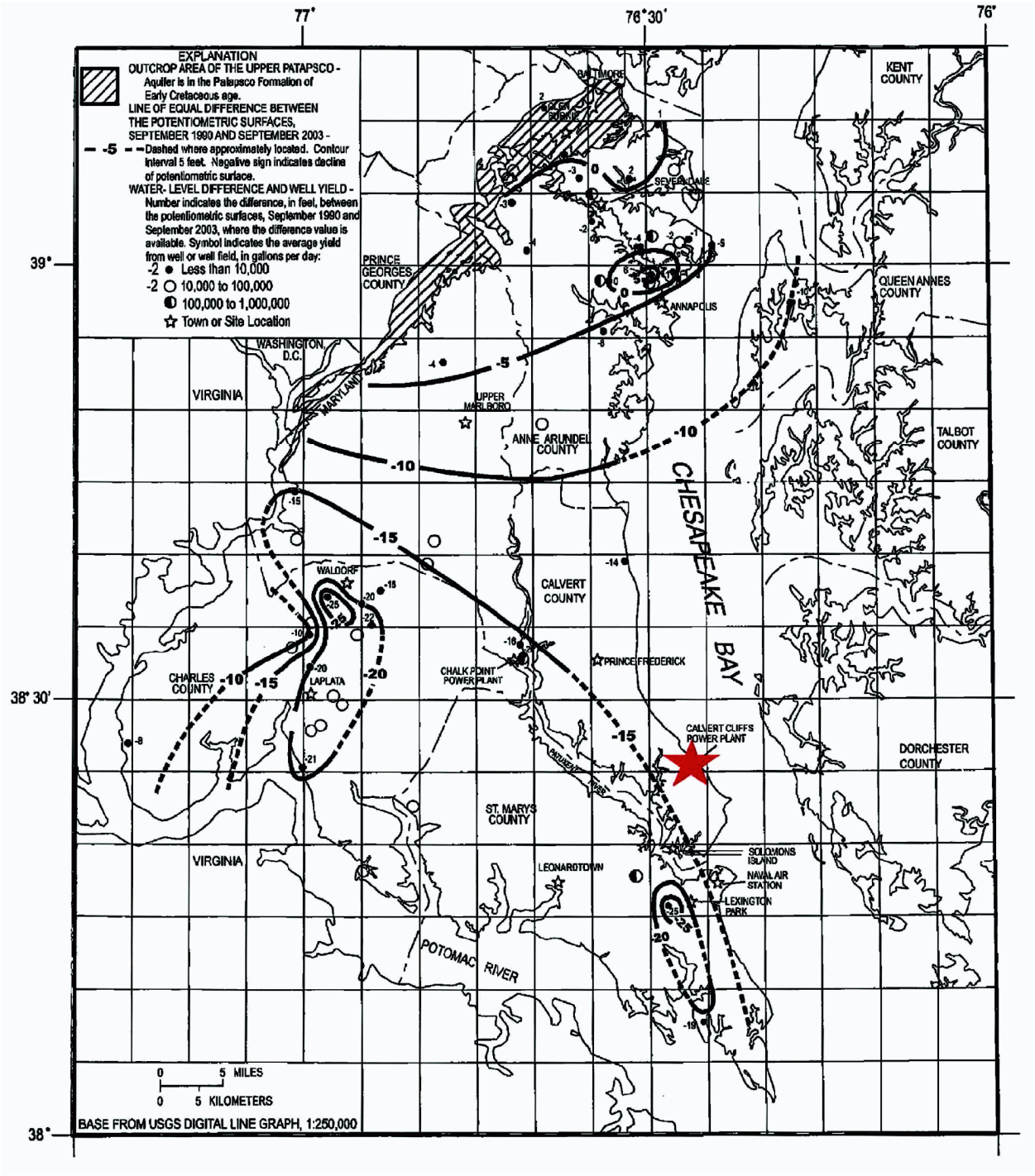


Figure 2.4-90—{The Differences Between the Potentiometric Surfaces of the Lower Patapsco Aquifer, September 1990 and September 2003, in Southern Maryland}

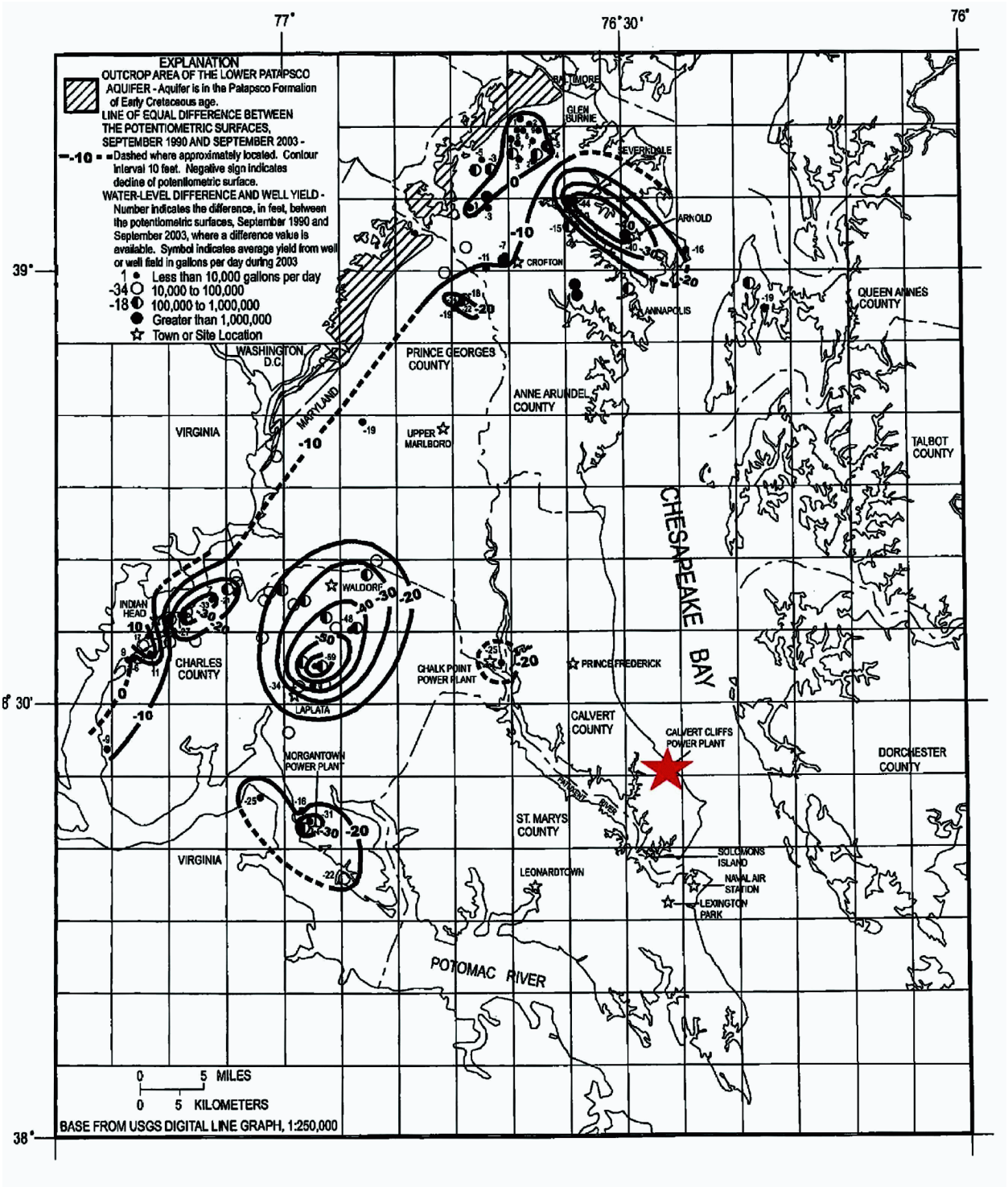
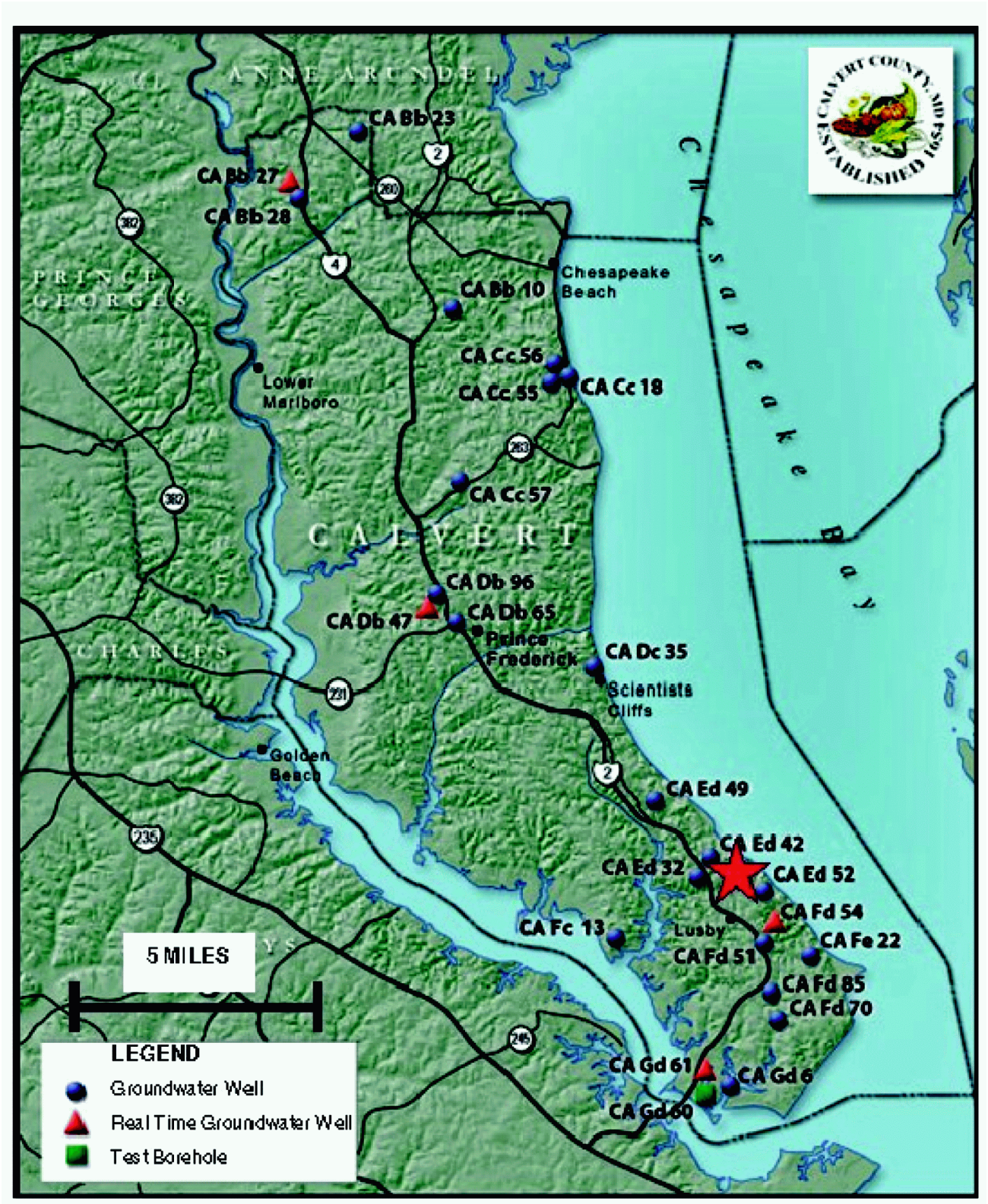


Figure 2.4-91—{Calvert County Ground-Water-Level Monitoring Network, Location of Selected Water Level Monitoring Wells}



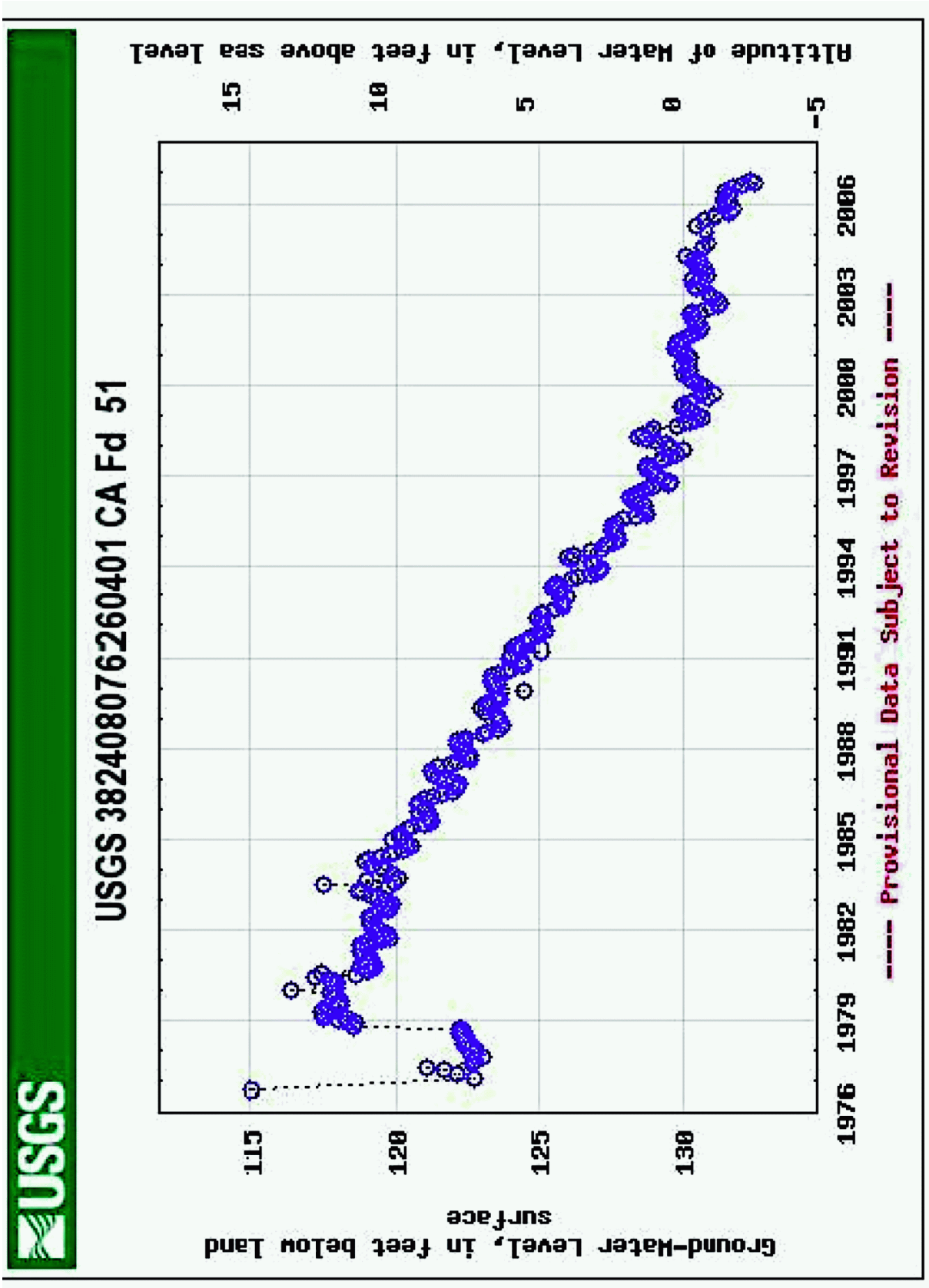


Figure 2.4-92—{Well Hydrograph for Monitoring Well CA Fd 51 Screened in the Piney Point - Nanjemoy Aquifer at Calvert Cliffs State Park}

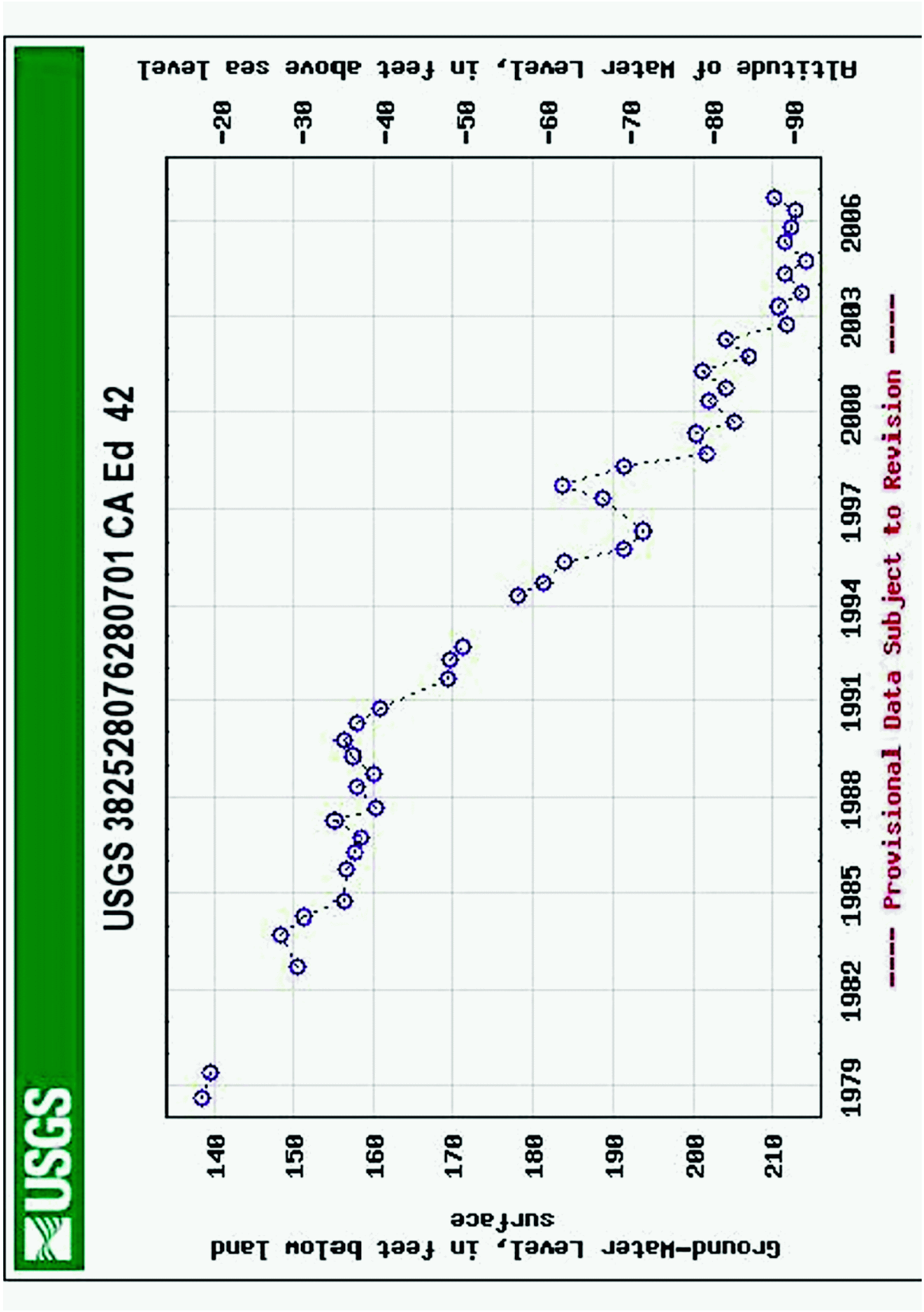


Figure 2.4-93—{Well Hydrograph for Monitoring Well CA Ed 42 Screened in the Aquia Aquifer at CCNPP}

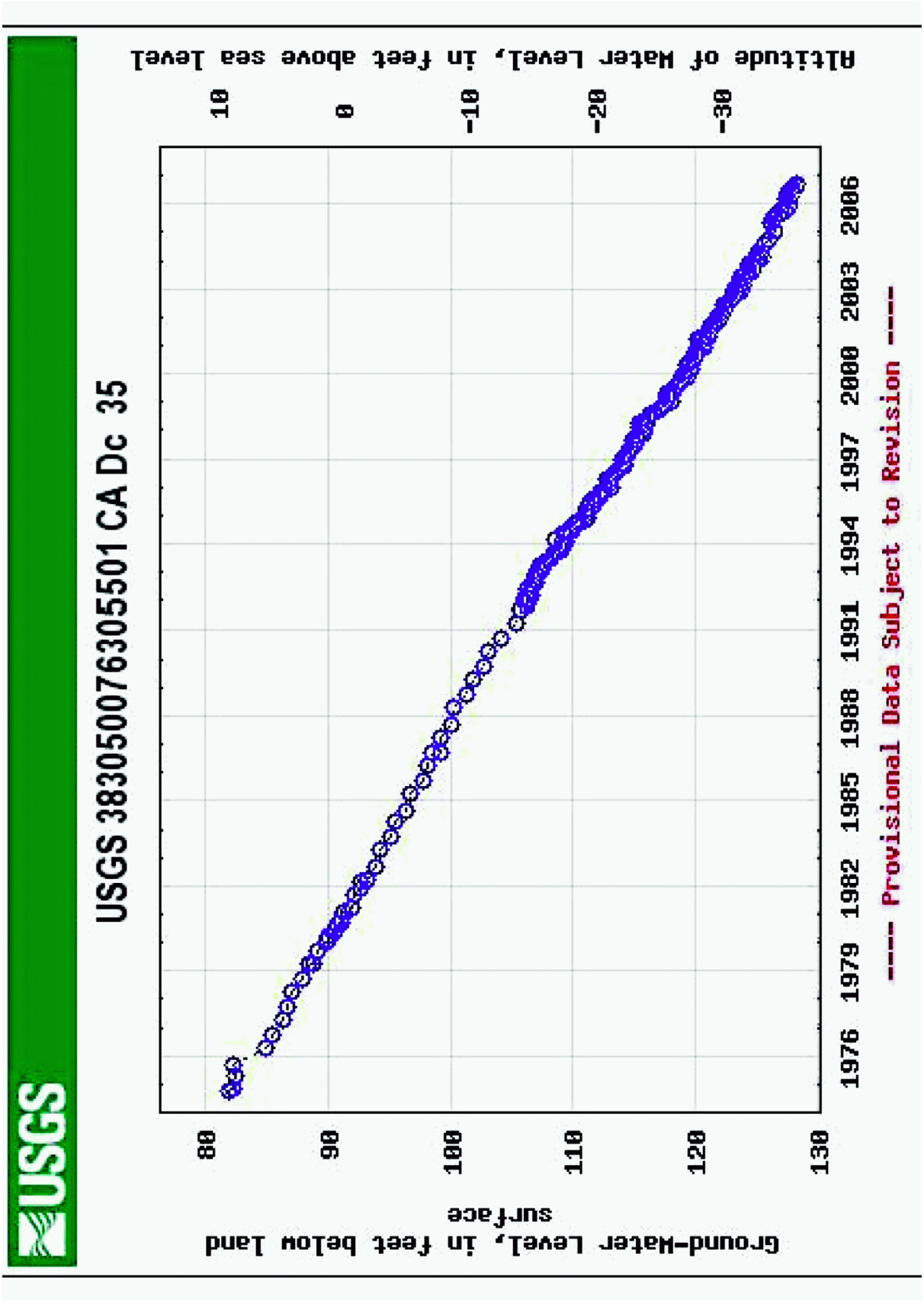


Figure 2.4-94—{Well Hydrograph for Monitoring Well CA Dc 35 Screened in the Magothy Aquifer at Scientists Cliffs}

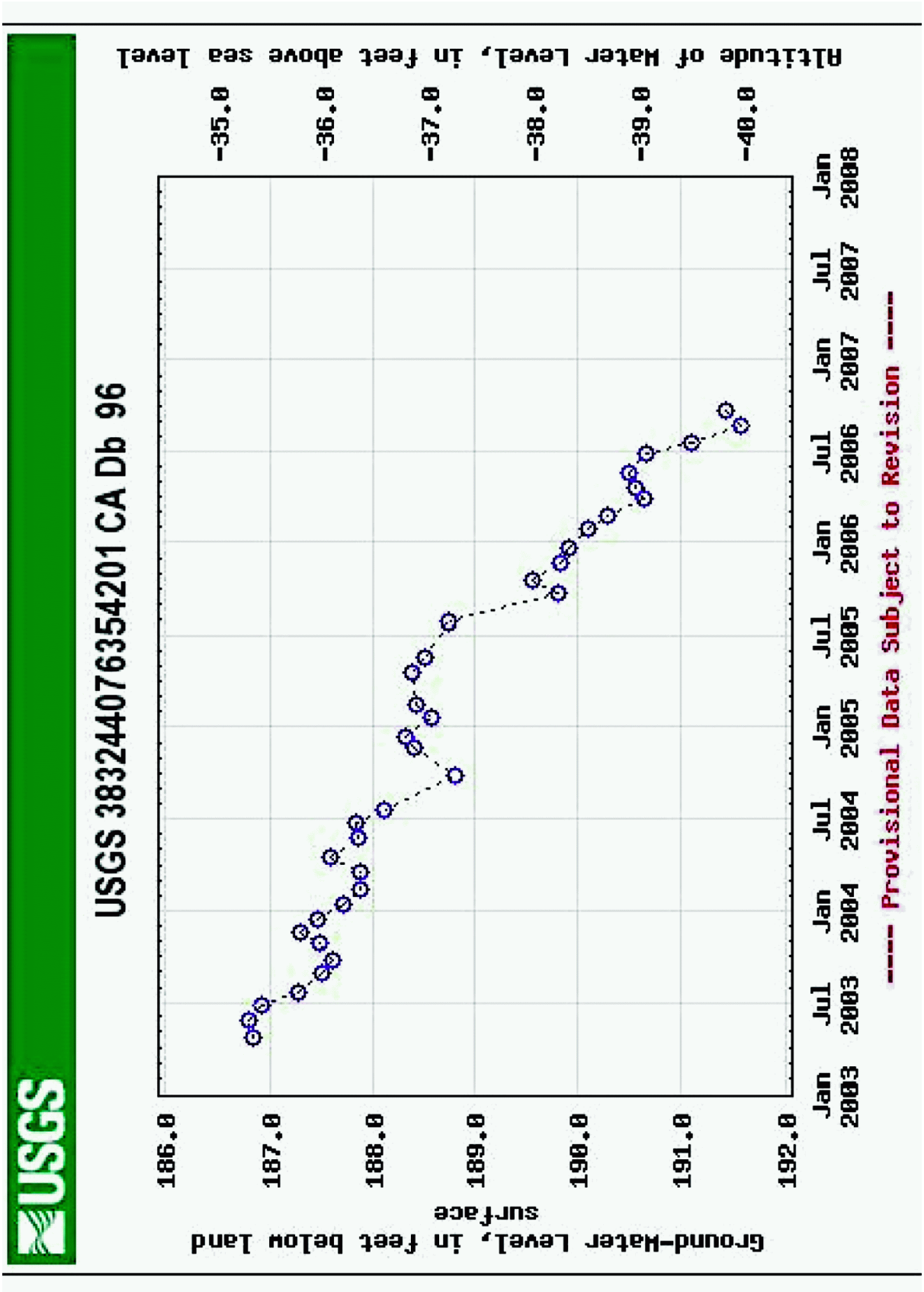


Figure 2.4-95—{Well Hydrograph for Monitoring Well CA Db 96 Screened in the Upper Patapsco Aquifer at Prince Frederick}

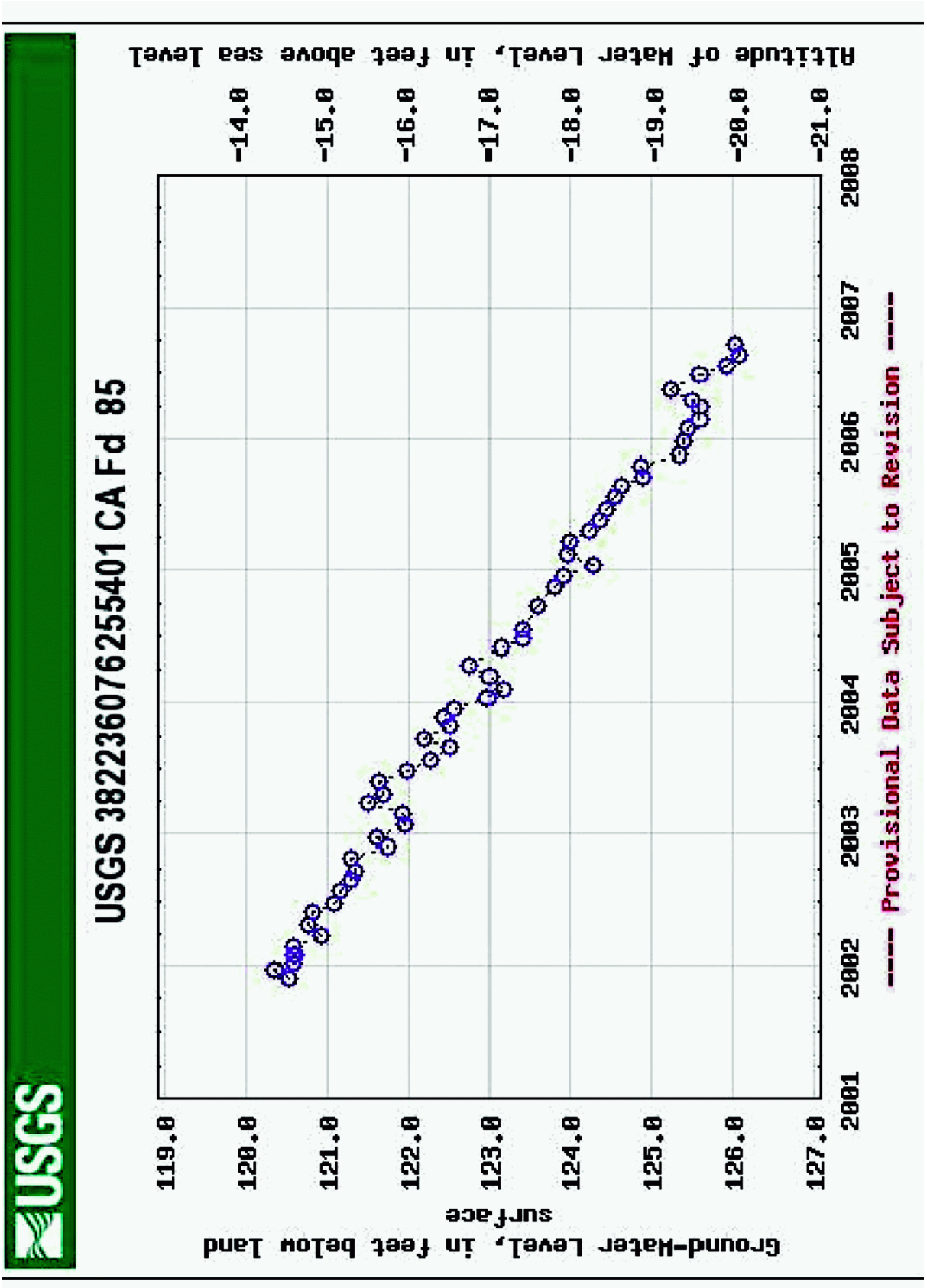


Figure 2.4-96—{Well Hydrograph for Monitoring Well CA Fd 85 Screened in the Lower Patapsco Aquifer at Chesapeake Ranch Estates}

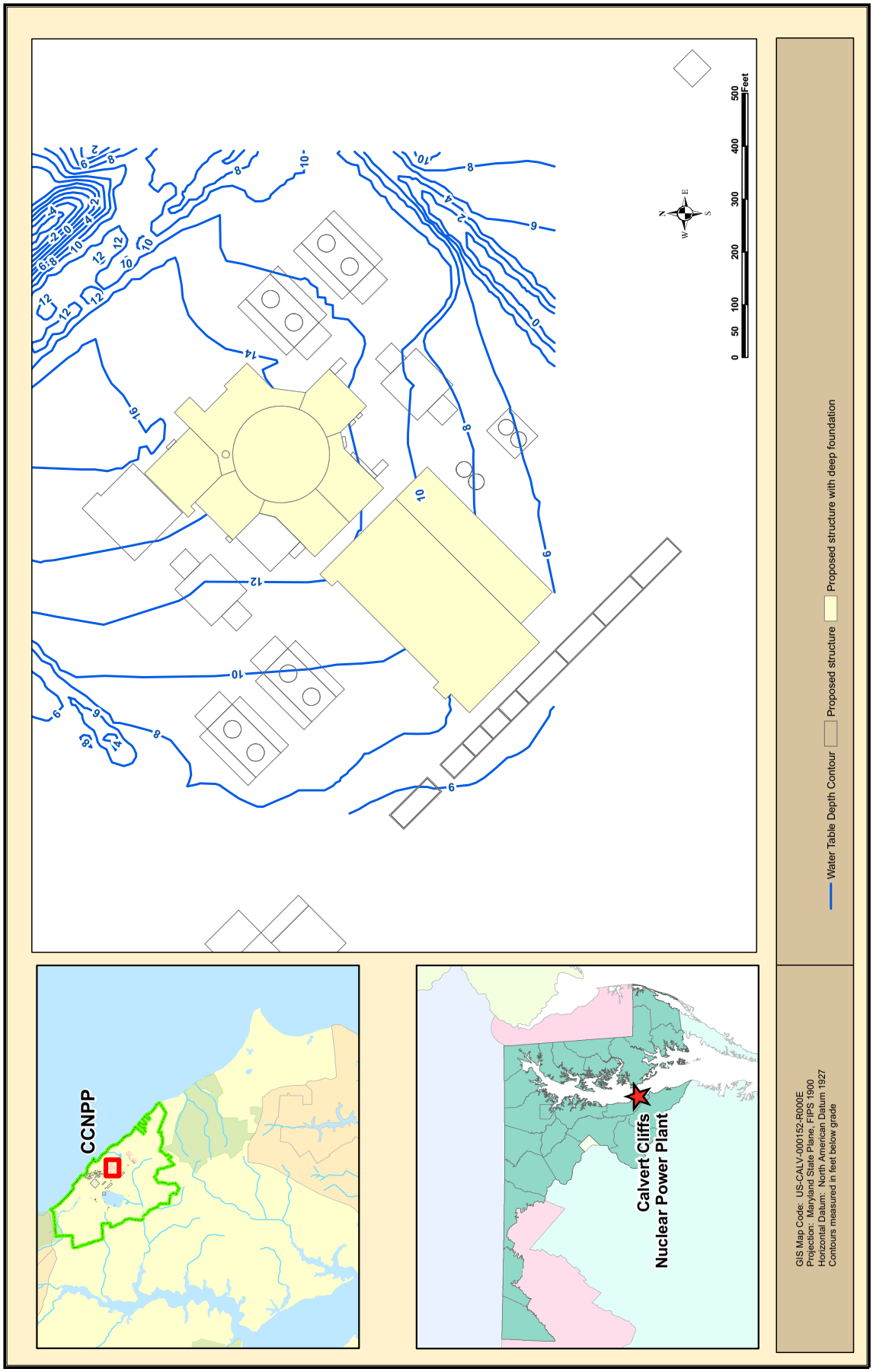


Figure 2.4-97—{Modeled Post-Construction Depth to the Surficial Aquifer Water Table in the Unit 3 Power Block Area}

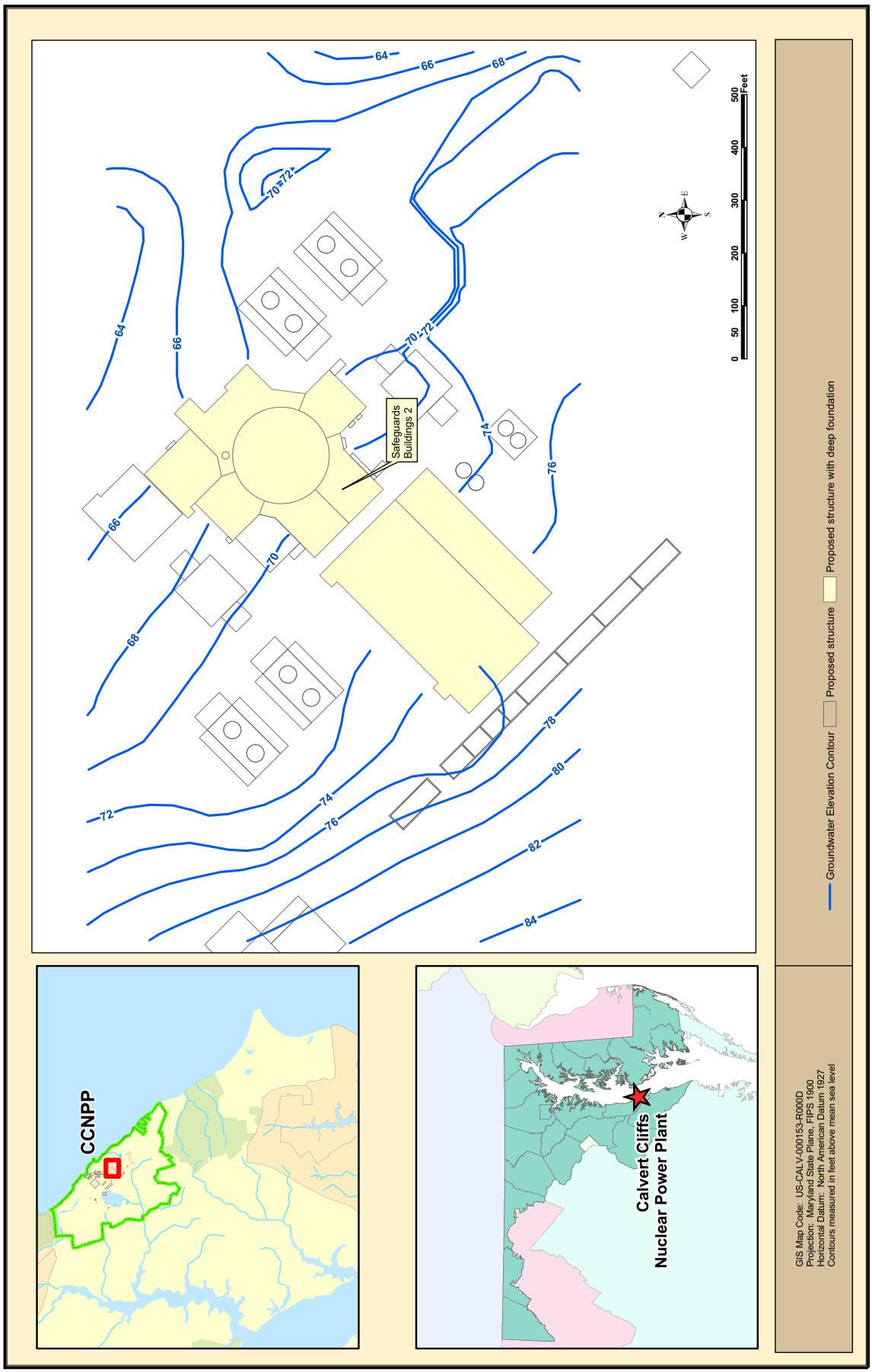


Figure 2.4-98—{Modeled Post-Construction Elevation of the Surficial Aquifer Water Table in the Unit 3 Power Block Area}

Figure 2.4-99—{Water Table Elevation Map and Groundwater Flow Direction for the Surficial Aquifer, June 2007}

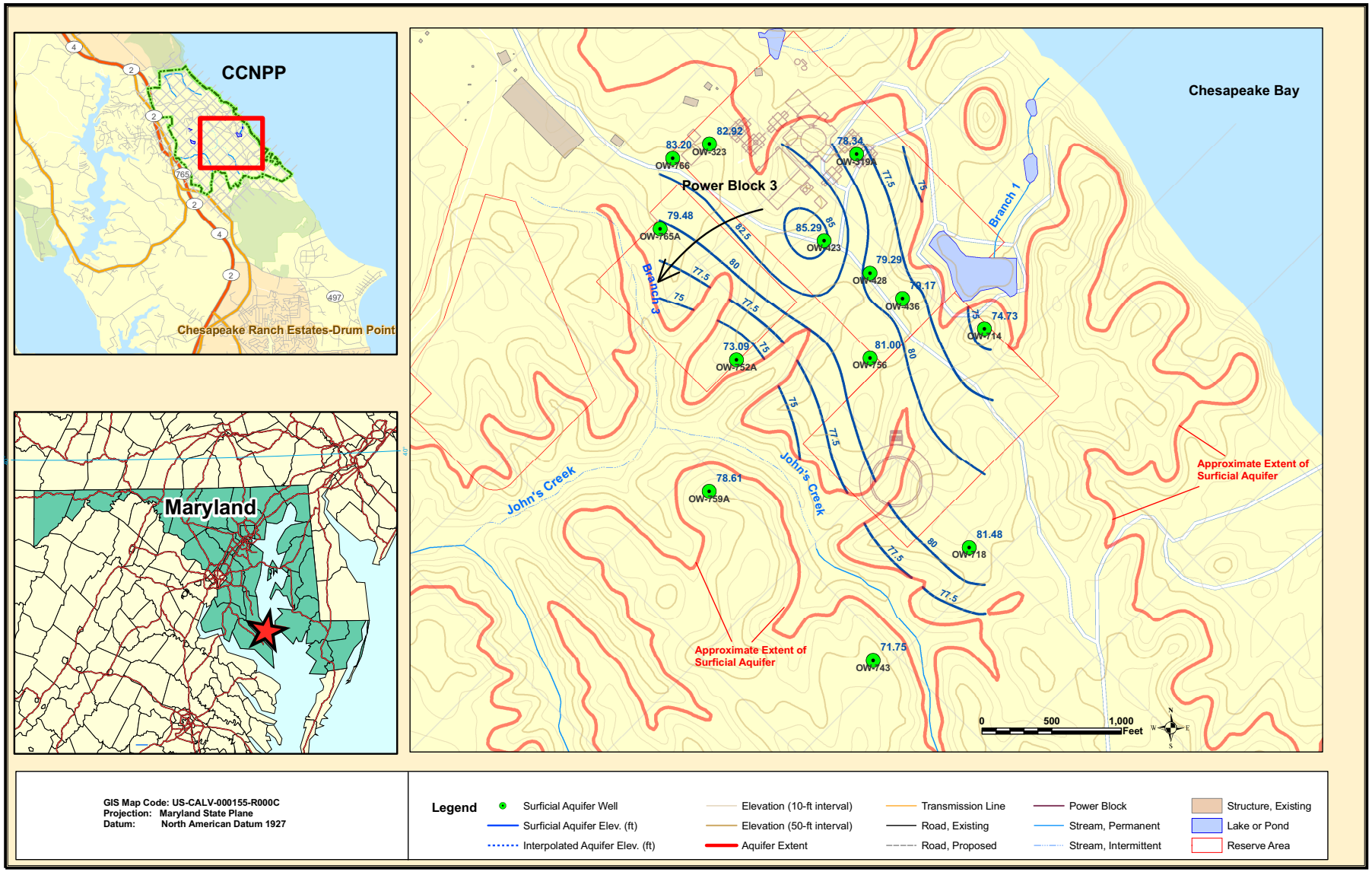
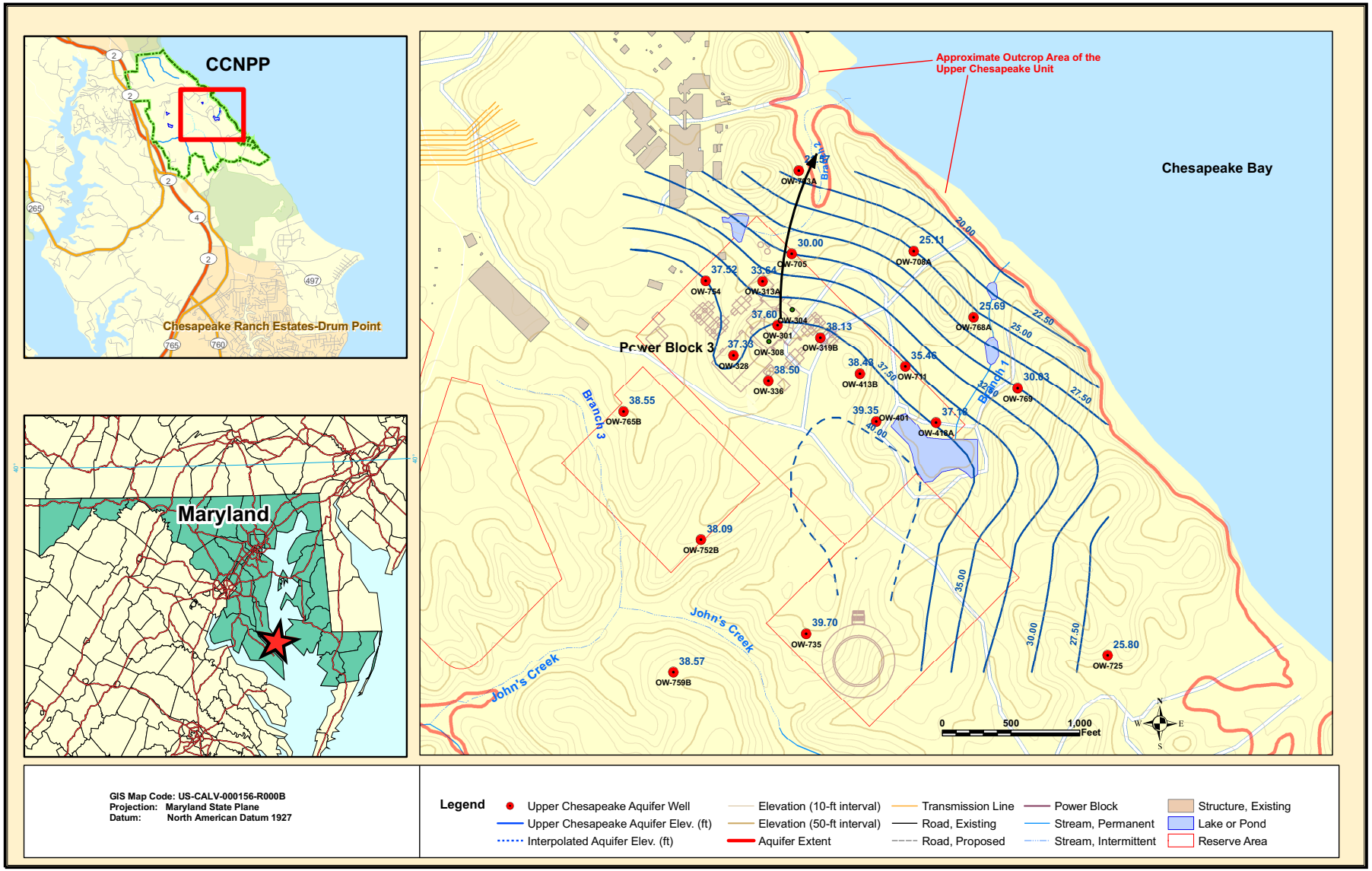


Figure 2.4-100—{Potentiometric Surface Elevation Map and Groundwater Flow Directions for the Upper Chesapeake Unit, June 2007}



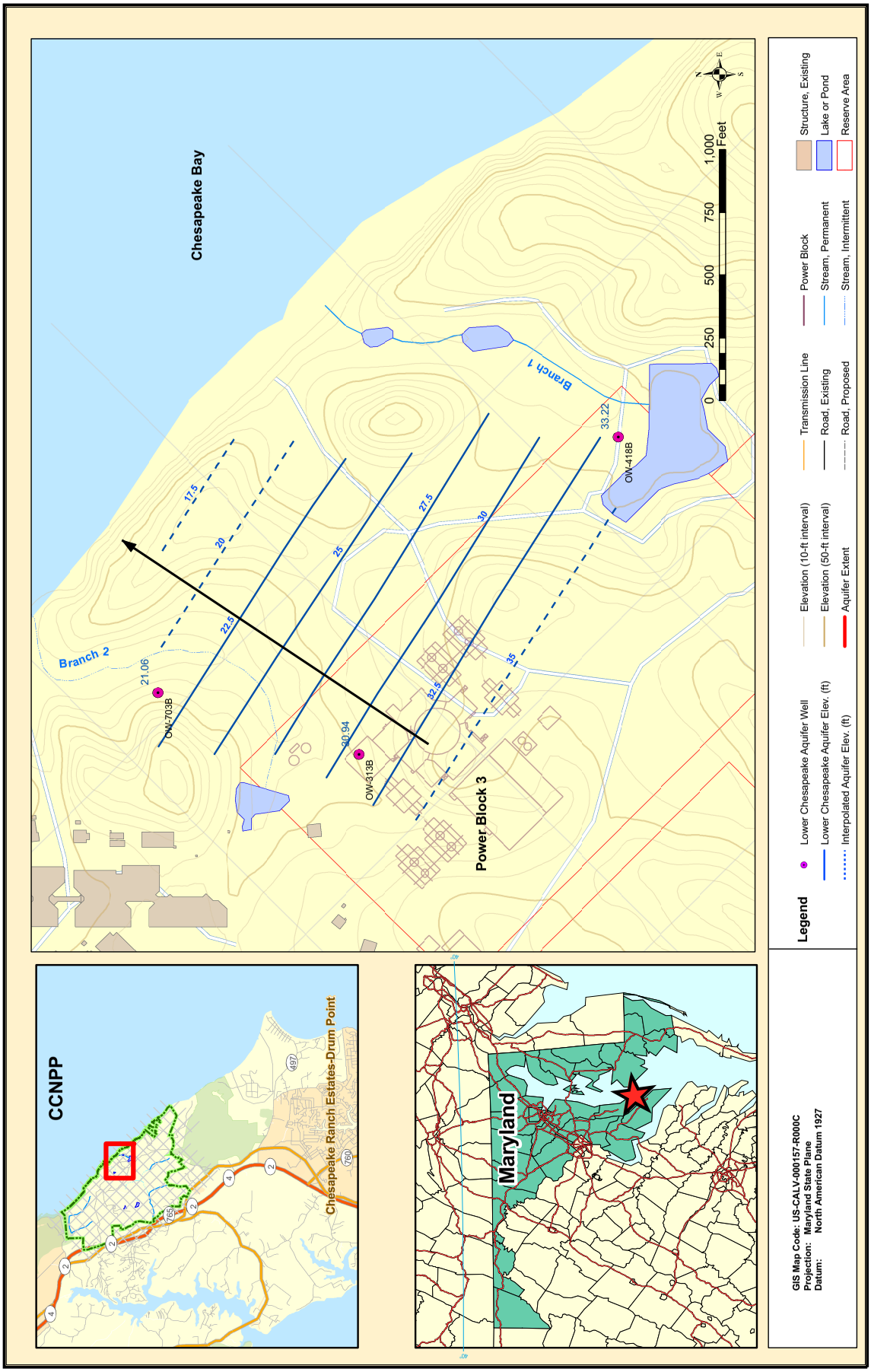
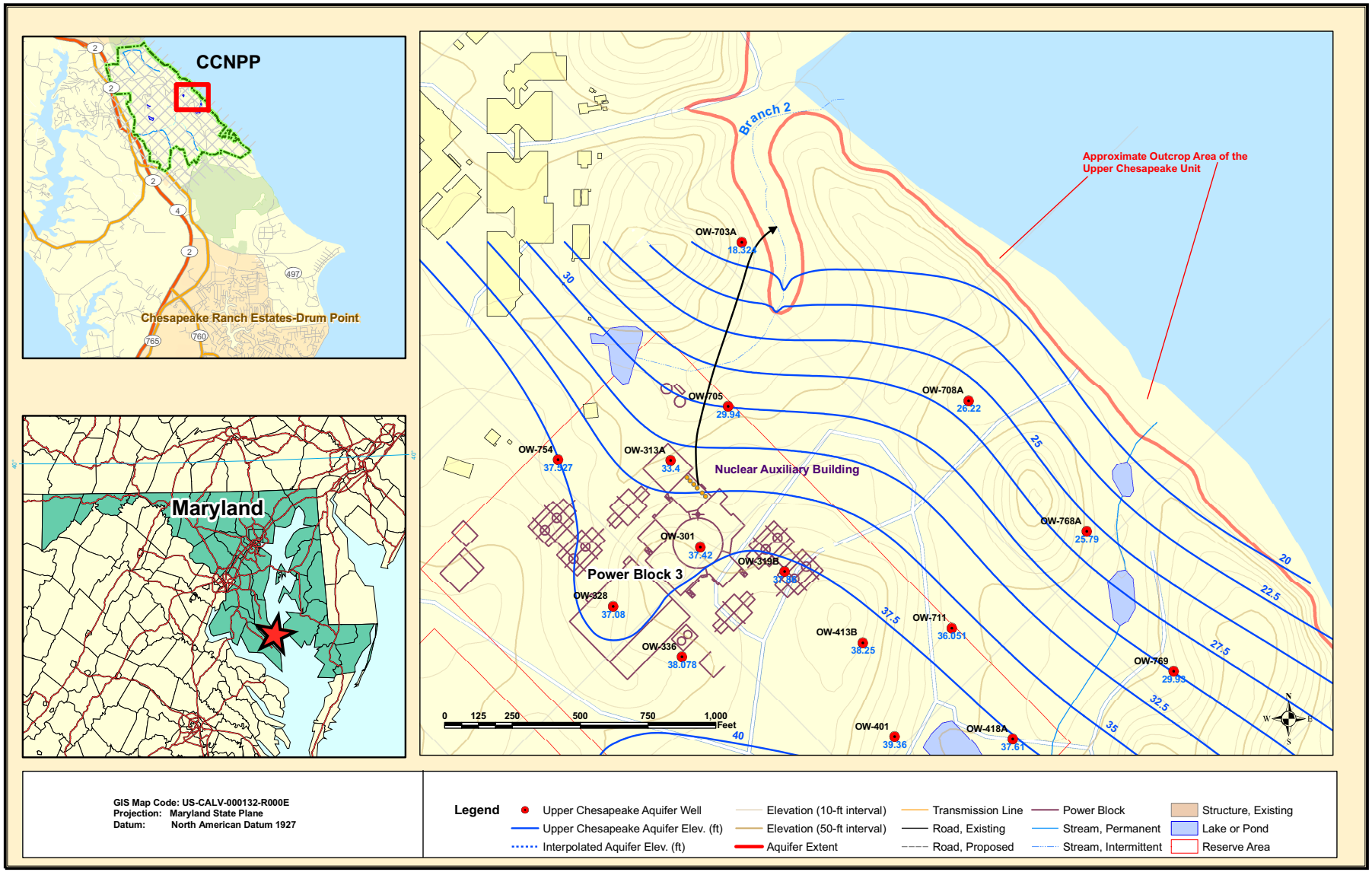


Figure 2.4-101—{Potentiometric Surface Elecation Map and Groundwater Flow Directions for the Lower Chesapeake Unit, June 2007}

Figure 2.4-102—{Upper Chesapeake Unit Flow Direction from the Nuclear Auxiliary Building to Branch 2, July 2006}



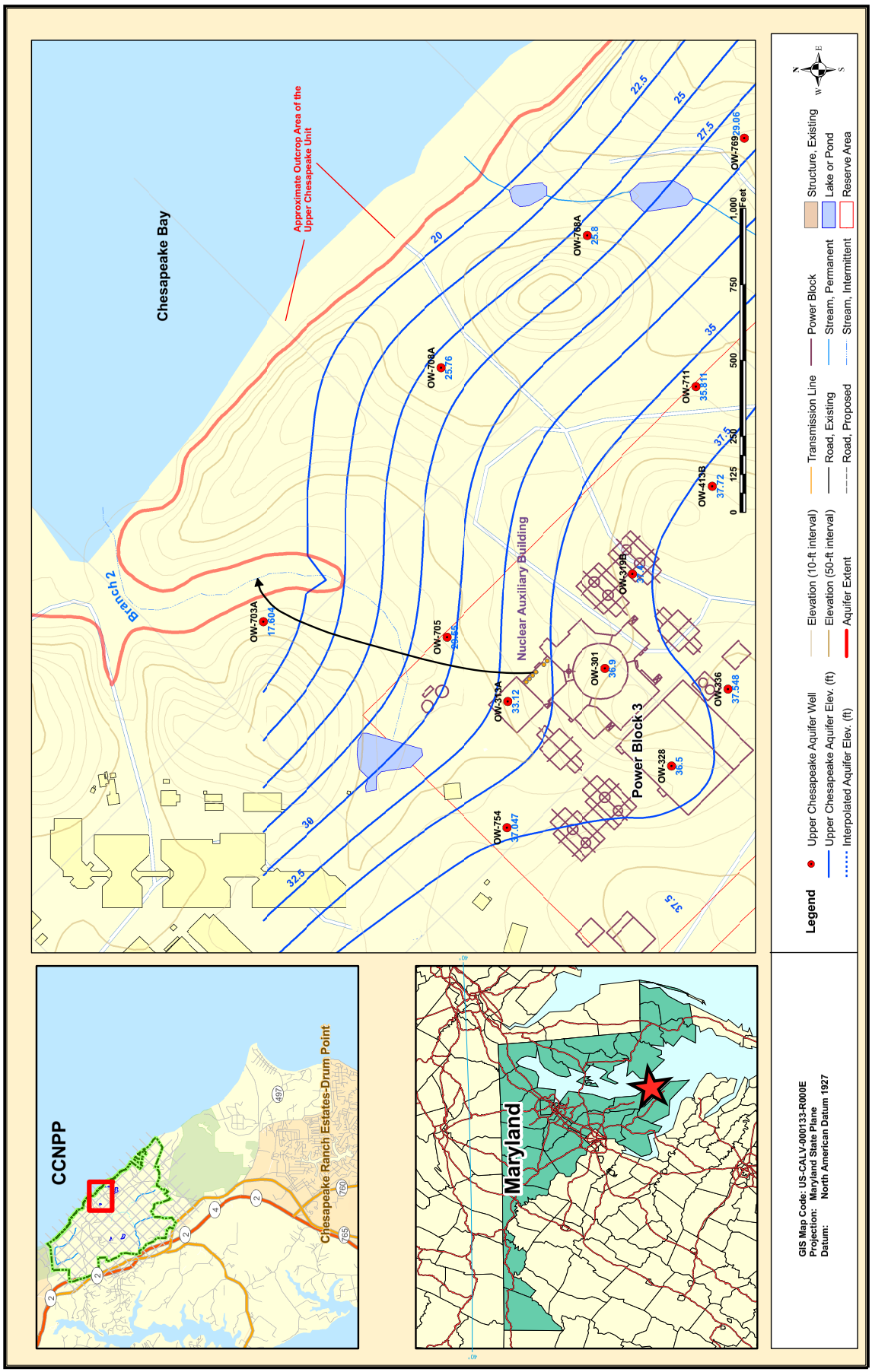


Figure 2.4-103—{Upper Chesapeake Unit Flow Direction from the Nuclear Auxiliary Building to Branch 2, September 2006}

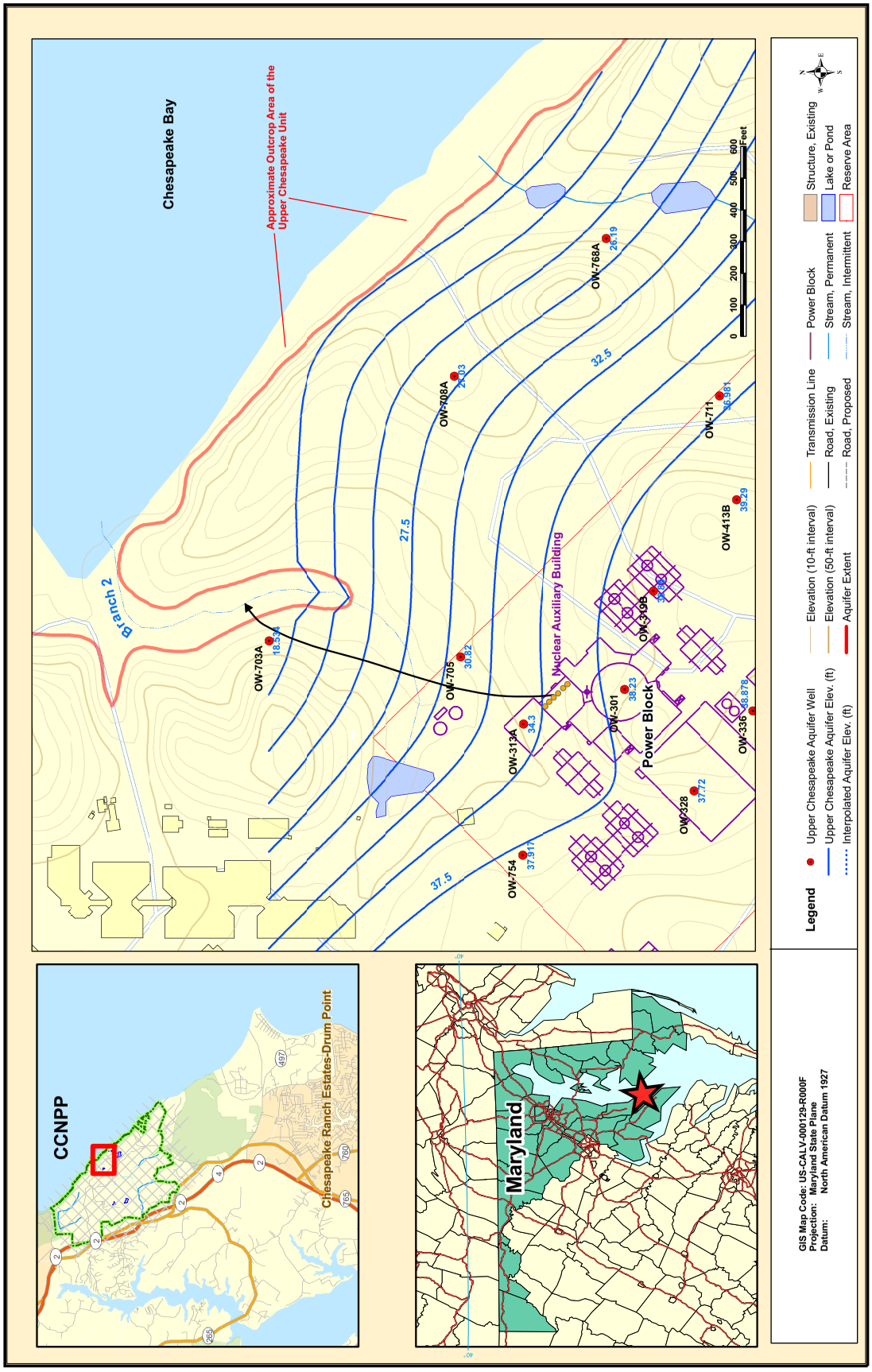


Figure 2.4-104—{Upper Chesapeake Unit Flow Direction from the Nuclear Auxiliary Building to Branch 2, December 2006}

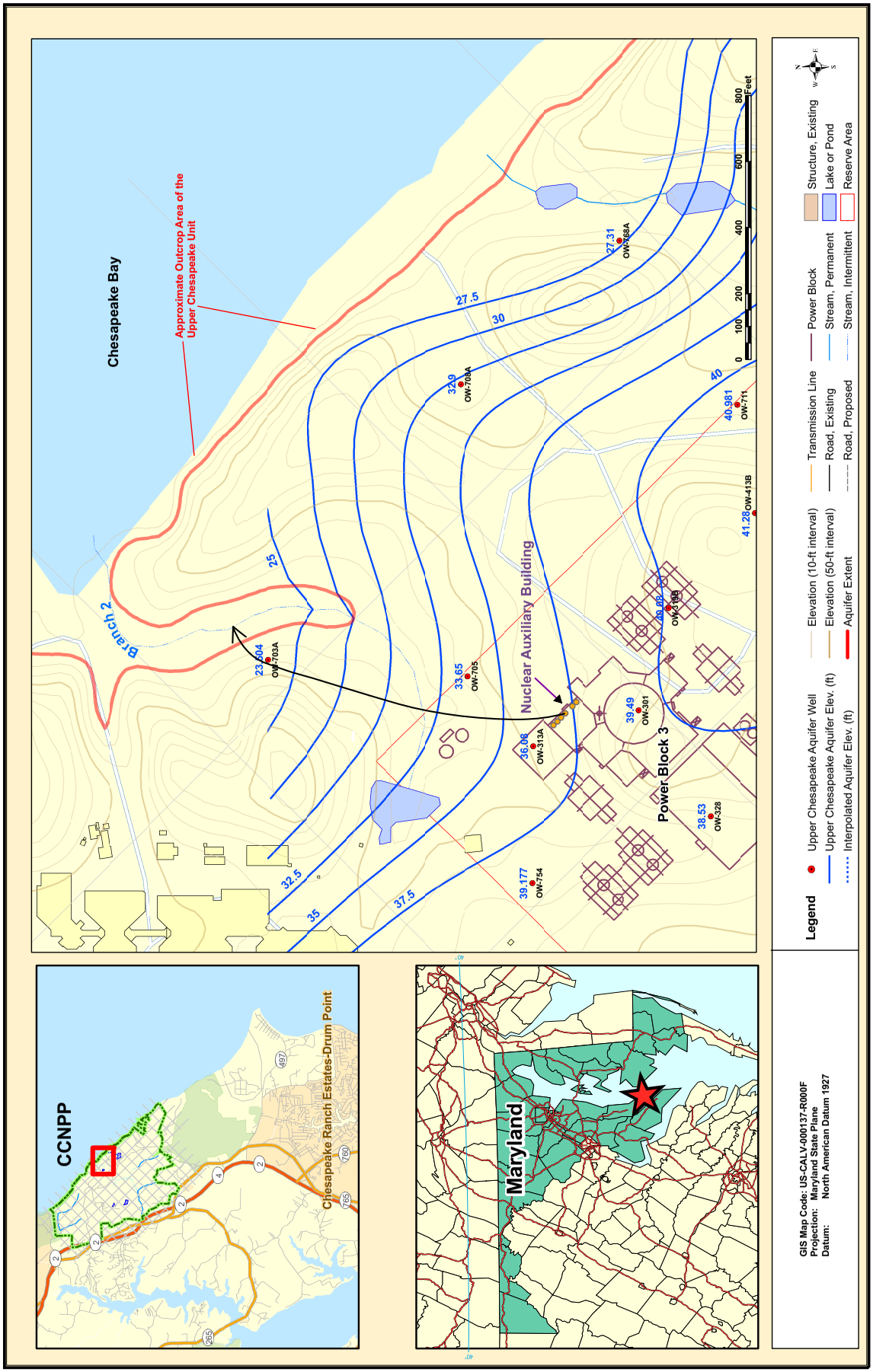


Figure 2.4-105—{Upper Chesapeake Unit Flow Direction from the Nuclear Auxiliary Building to Branch 2, March 2007}

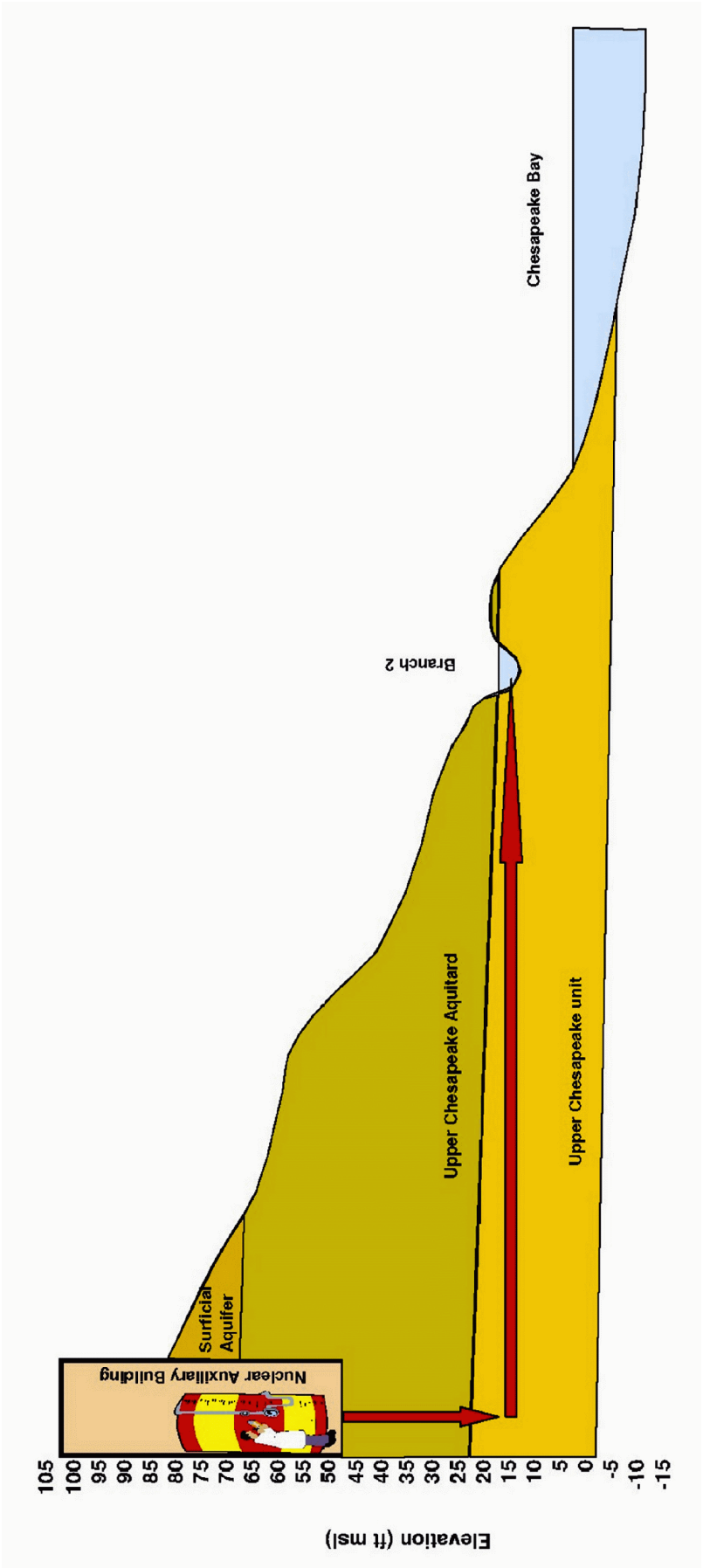


Figure 2.4-106—{Conceptual Model Transport Cross-Section}

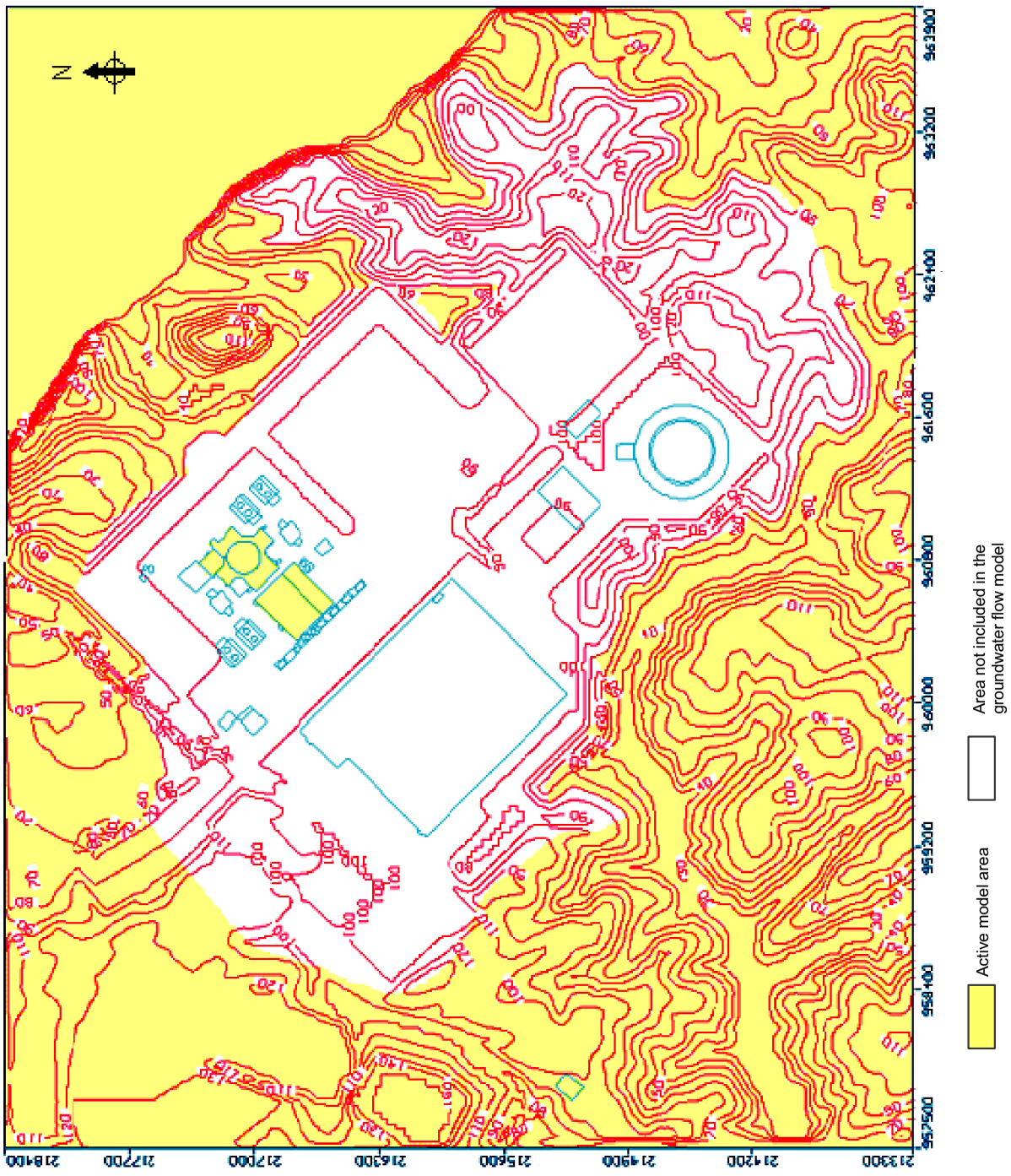


Figure 2.4-107—{Topography of the Post-Construction Groundwater Flow Model Domain}

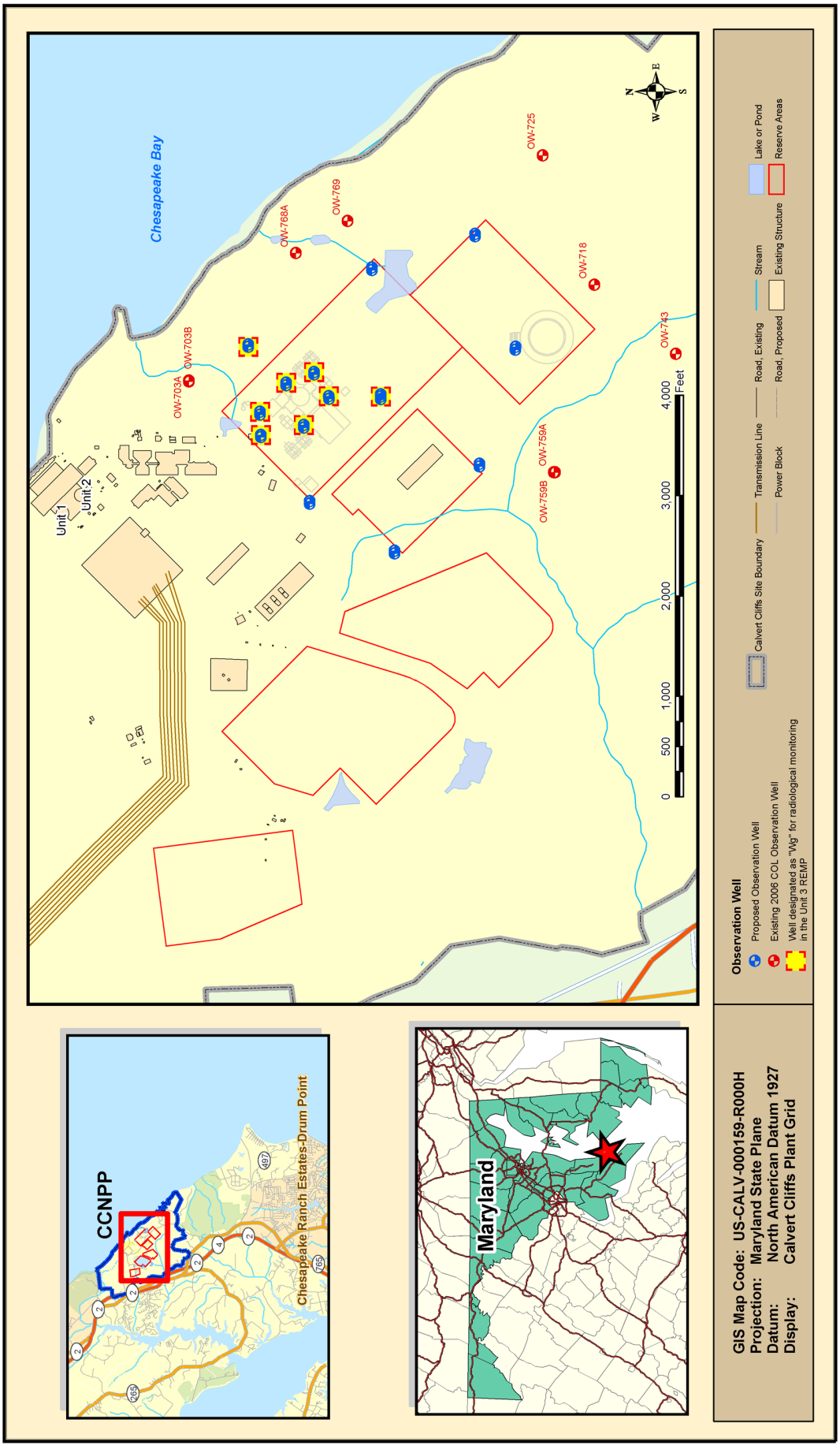


Figure 2.4-108—{Proposed Post Construction Observation Well Locations}