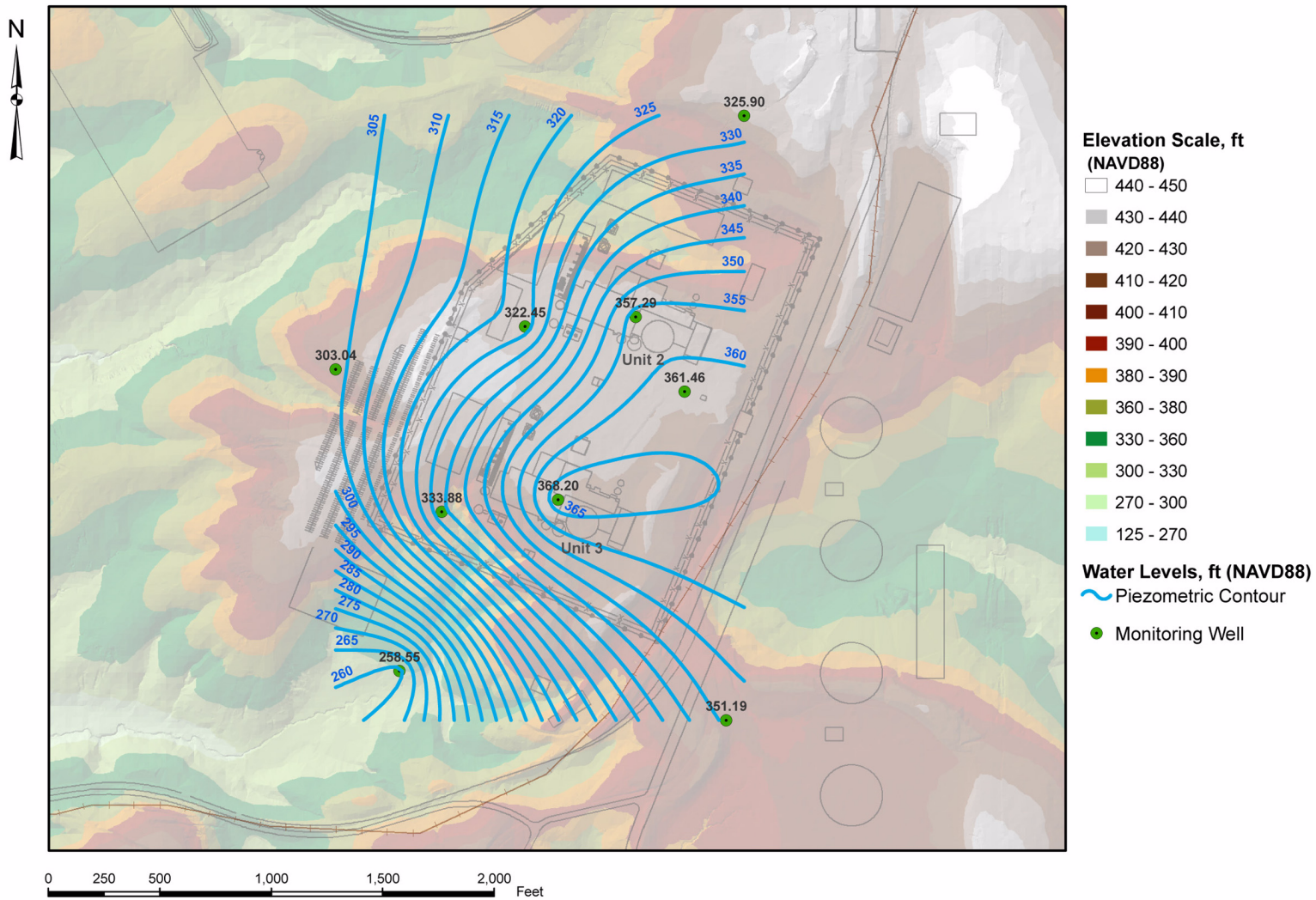

Figure 2.4-241. 1st Quarter Deep Bedrock Hydrostratigraphic Zone Piezometric Level Contours, VCSNS Observation Wells, June 2006

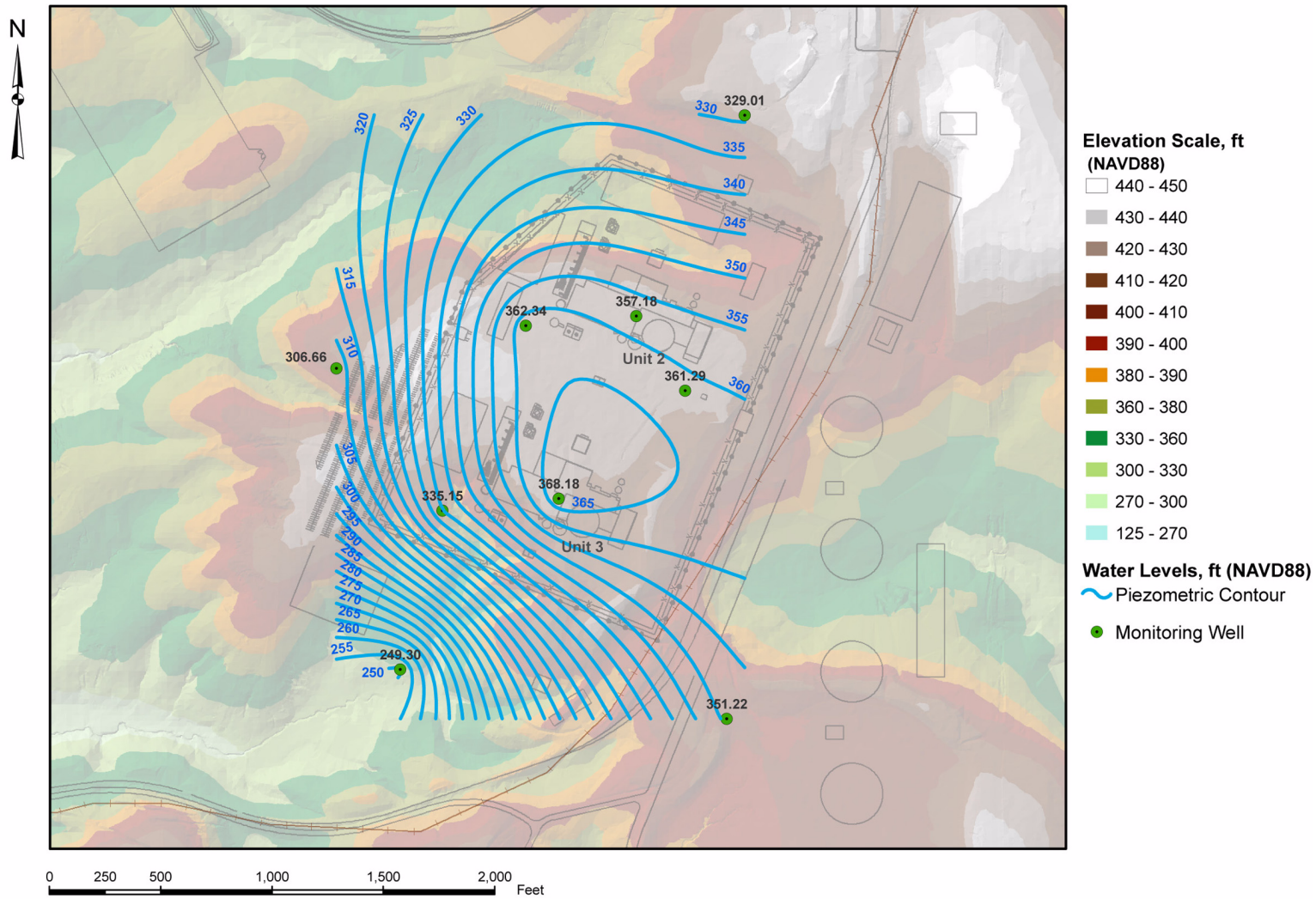

Figure 2.4-242. 2nd Quarter Deep Bedrock Hydrostratigraphic Zone Piezometric Level Contours, VCSNS Observation Wells, September 2006

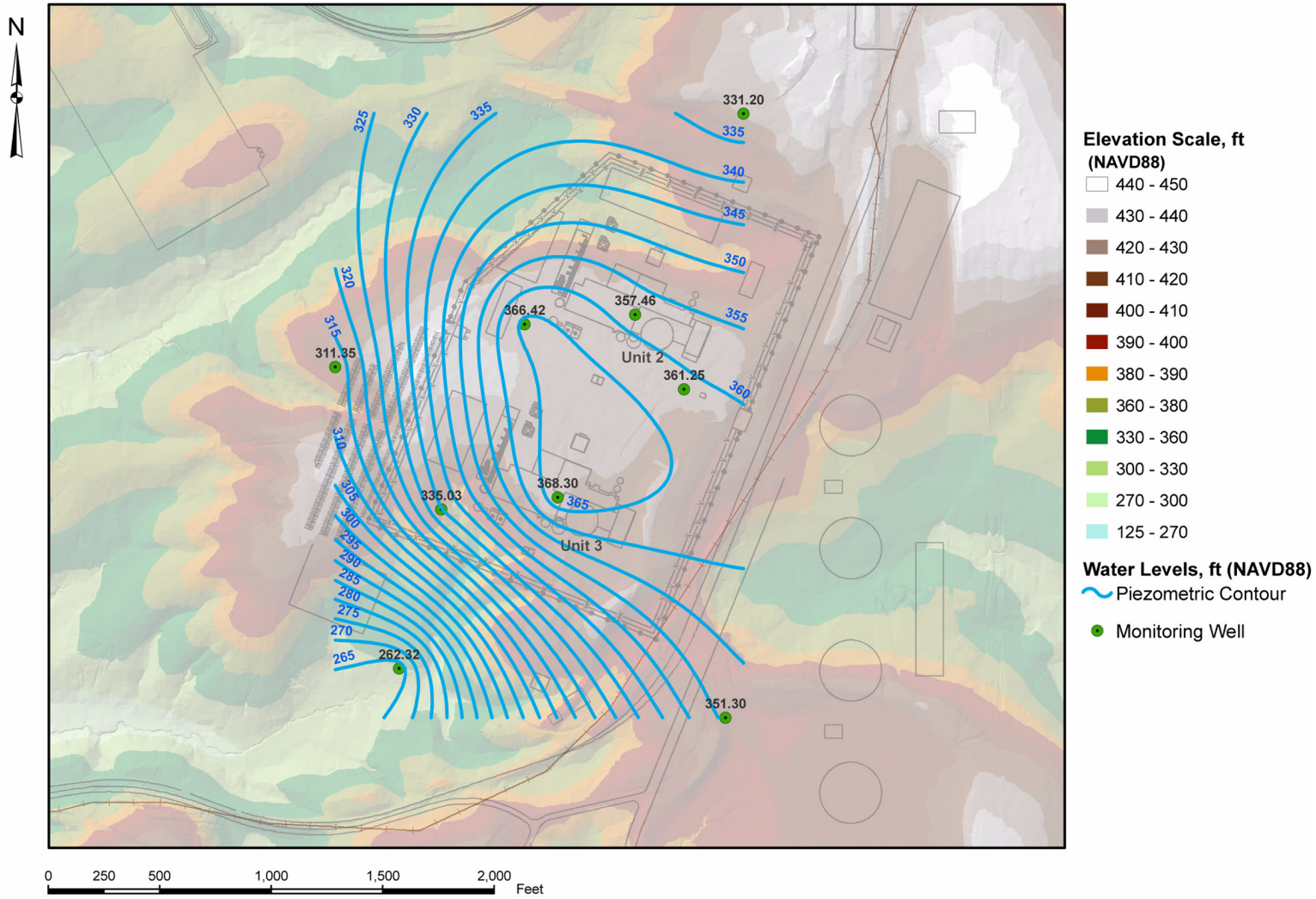

Figure 2.4-243. 3rd Quarter Deep Bedrock Hydrostratigraphic Zone Piezometric Level Contours, VCSNS Observation Wells, December 2006

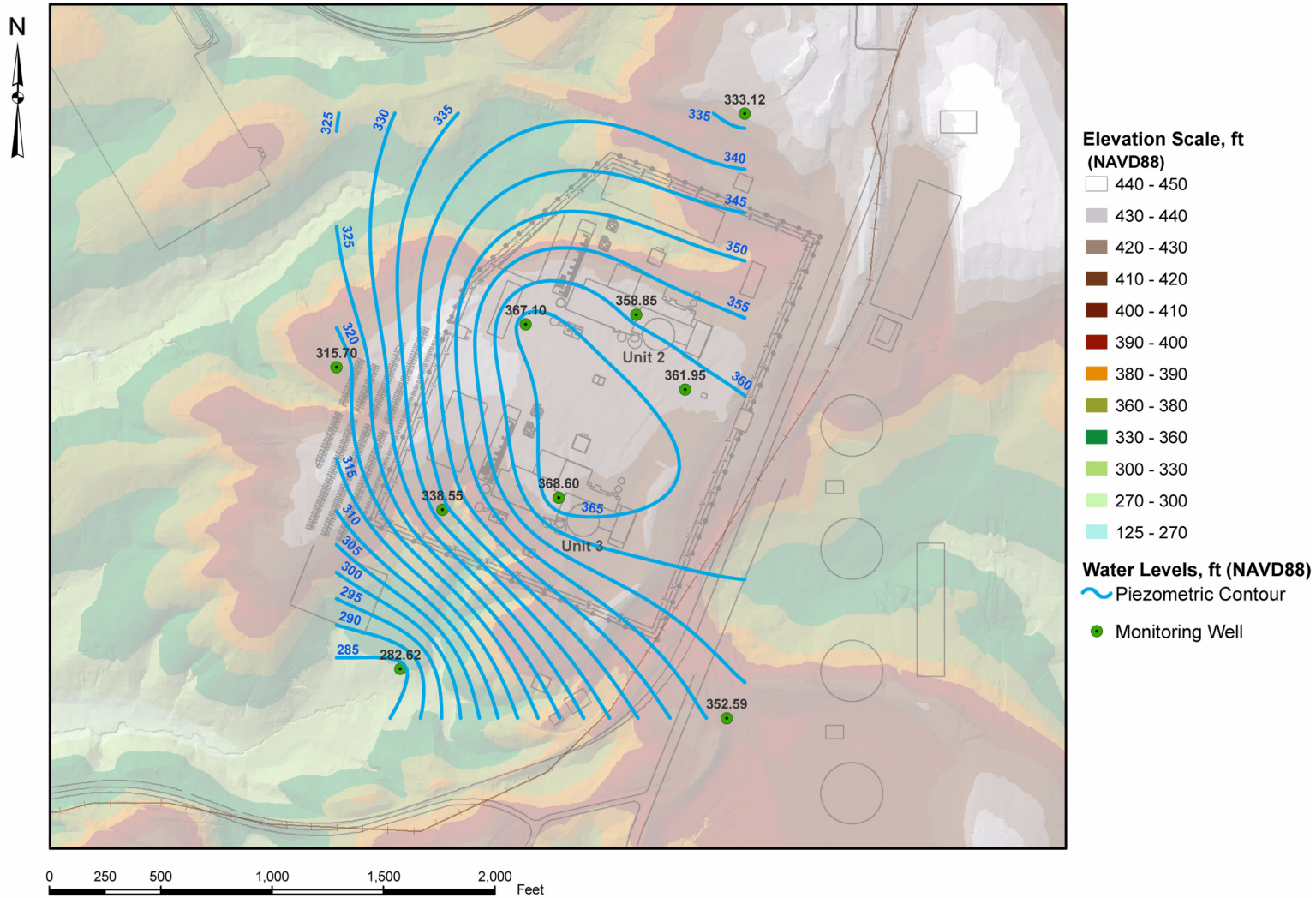

Figure 2.4-244. 4th Quarter Deep Bedrock Hydrostratigraphic Zone Piezometric Level Contours, VCSNS Observation Wells, March 2007

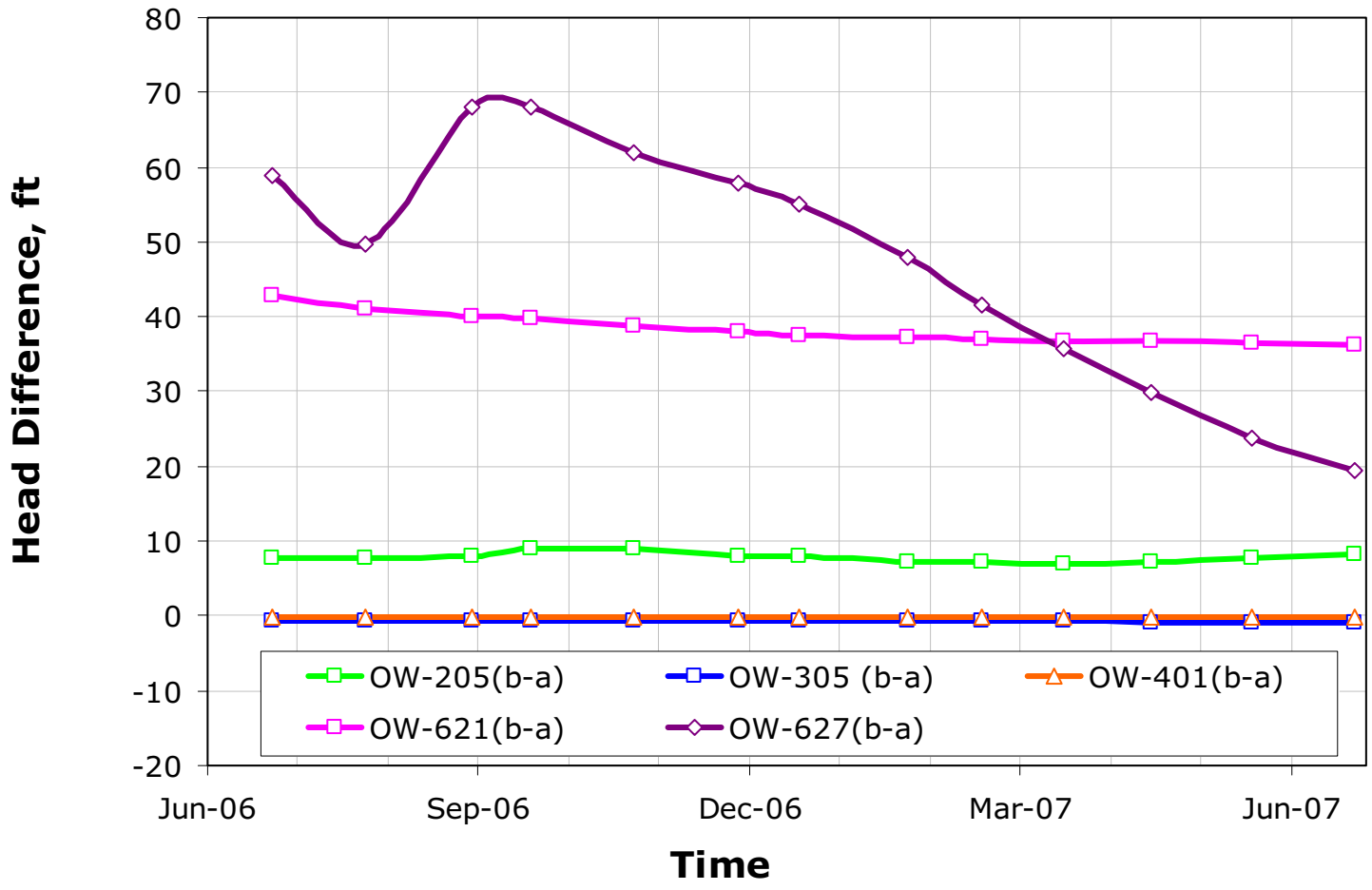

Figure 2.4-245. Head Differential between the Saprolite/Shallow Bedrock Hydrostratigraphic Zone and the Deep Bedrock Hydrostratigraphic Zone based on Well Pairs

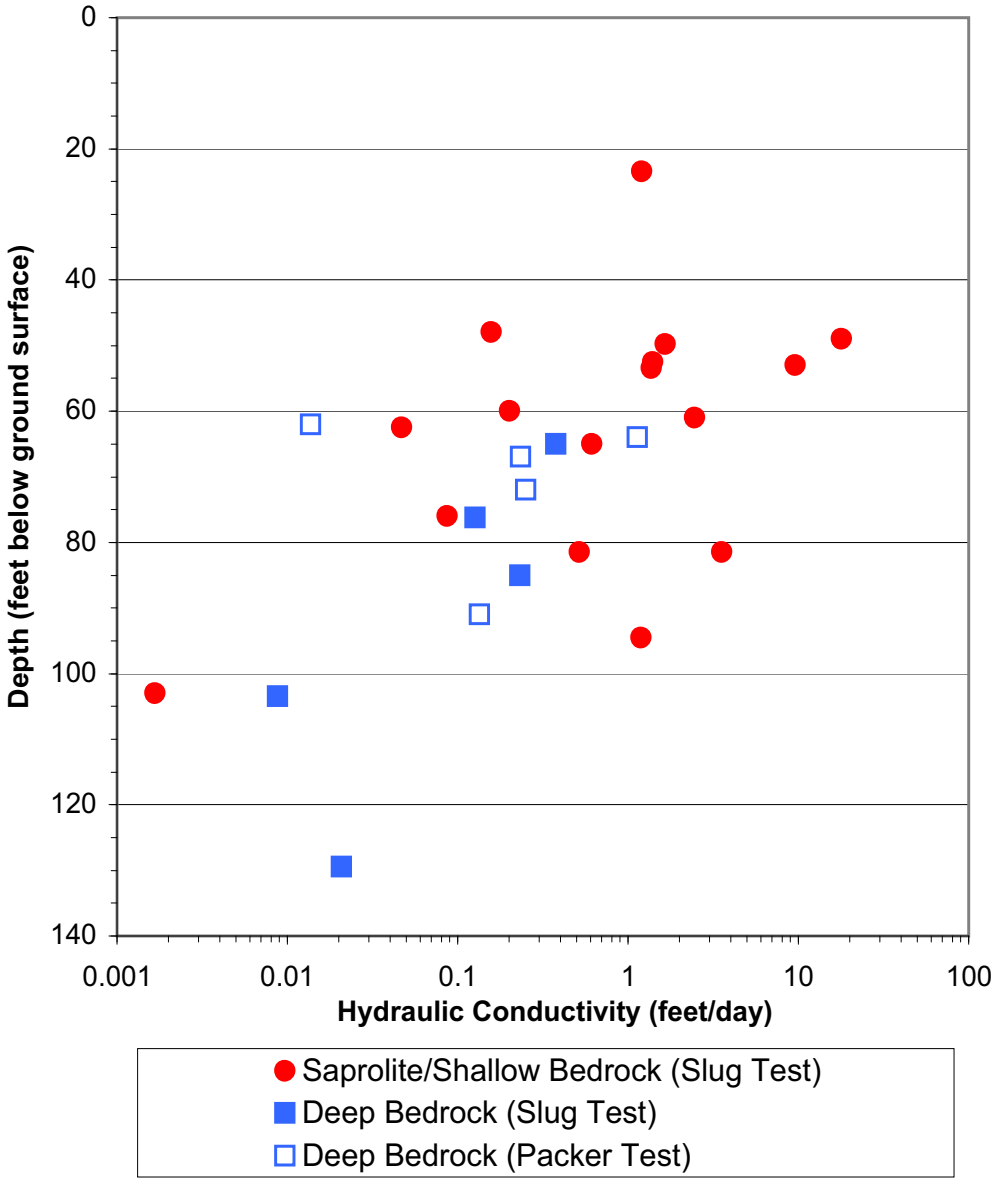

Figure 2.4-246. Hydraulic Conductivity vs. Depth and Hydrostratigraphic Zone

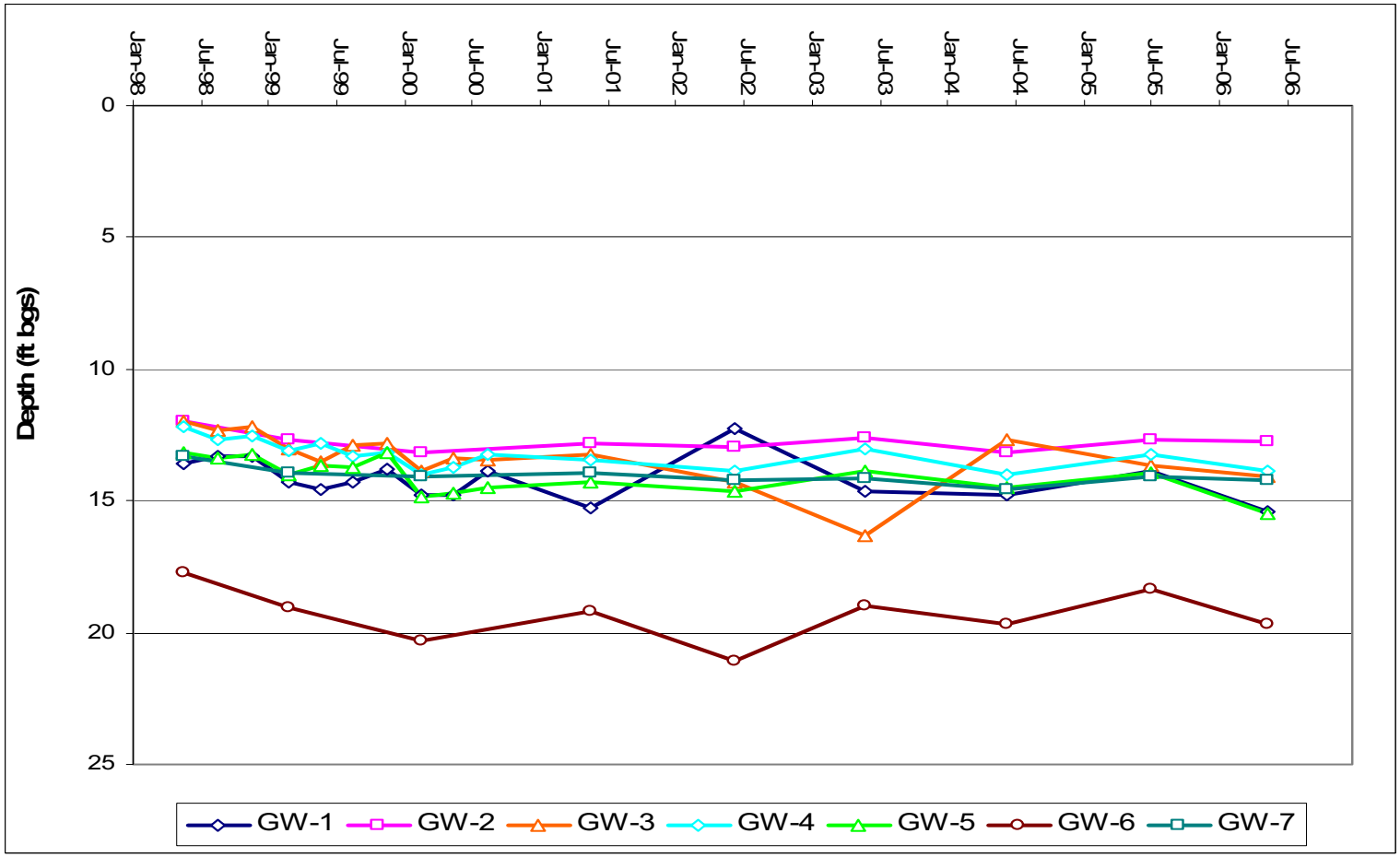

Figure 2.4-247. Hydrograph for Auxiliary Building Fuel Oil Storage Tank Program Wells at Unit 1

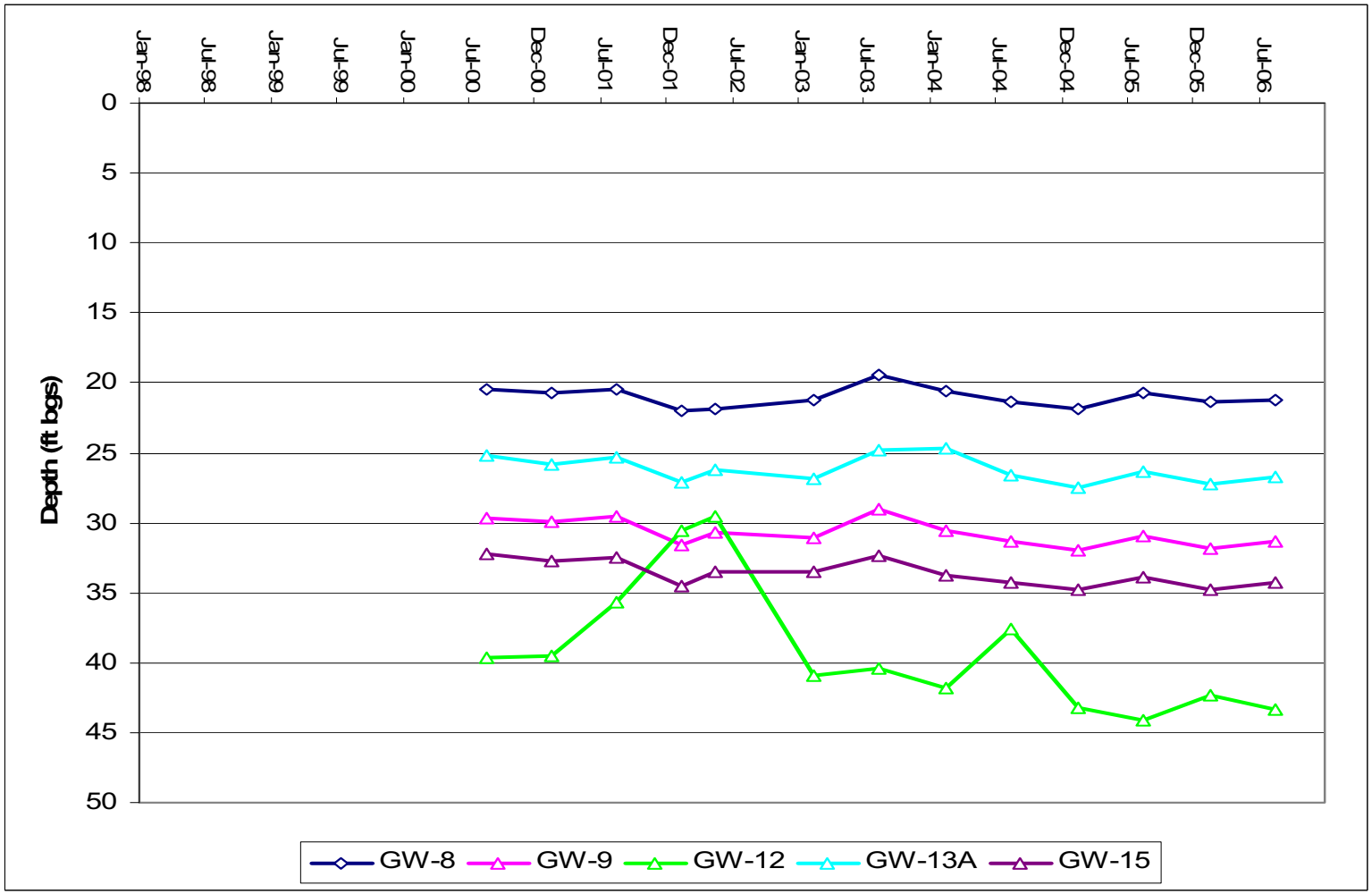

Figure 2.4-248. Hydrograph for NPDES Program Wells at Unit 1

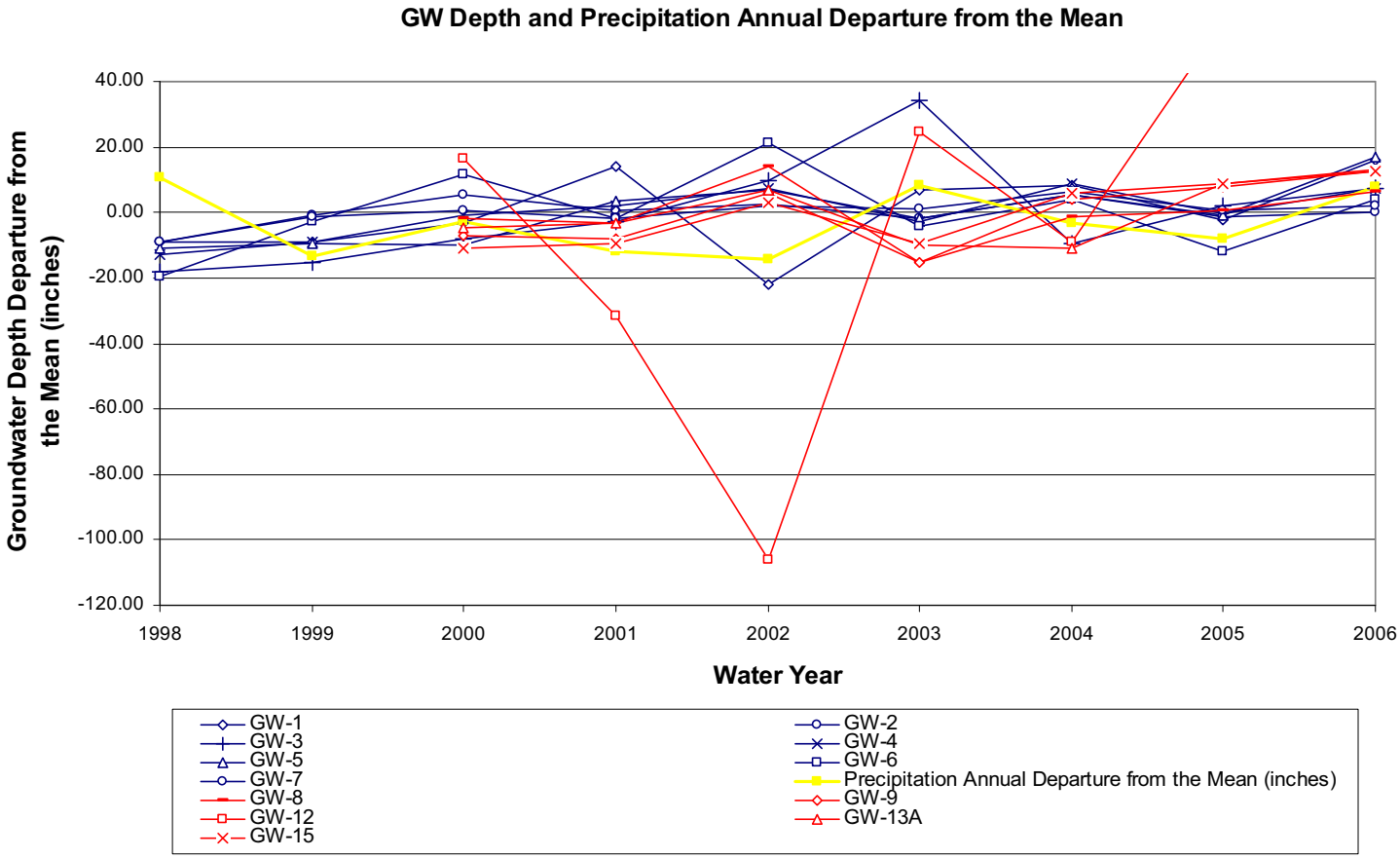

Figure 2.4-249. Groundwater Depth with Precipitation Annual Departure from the Mean

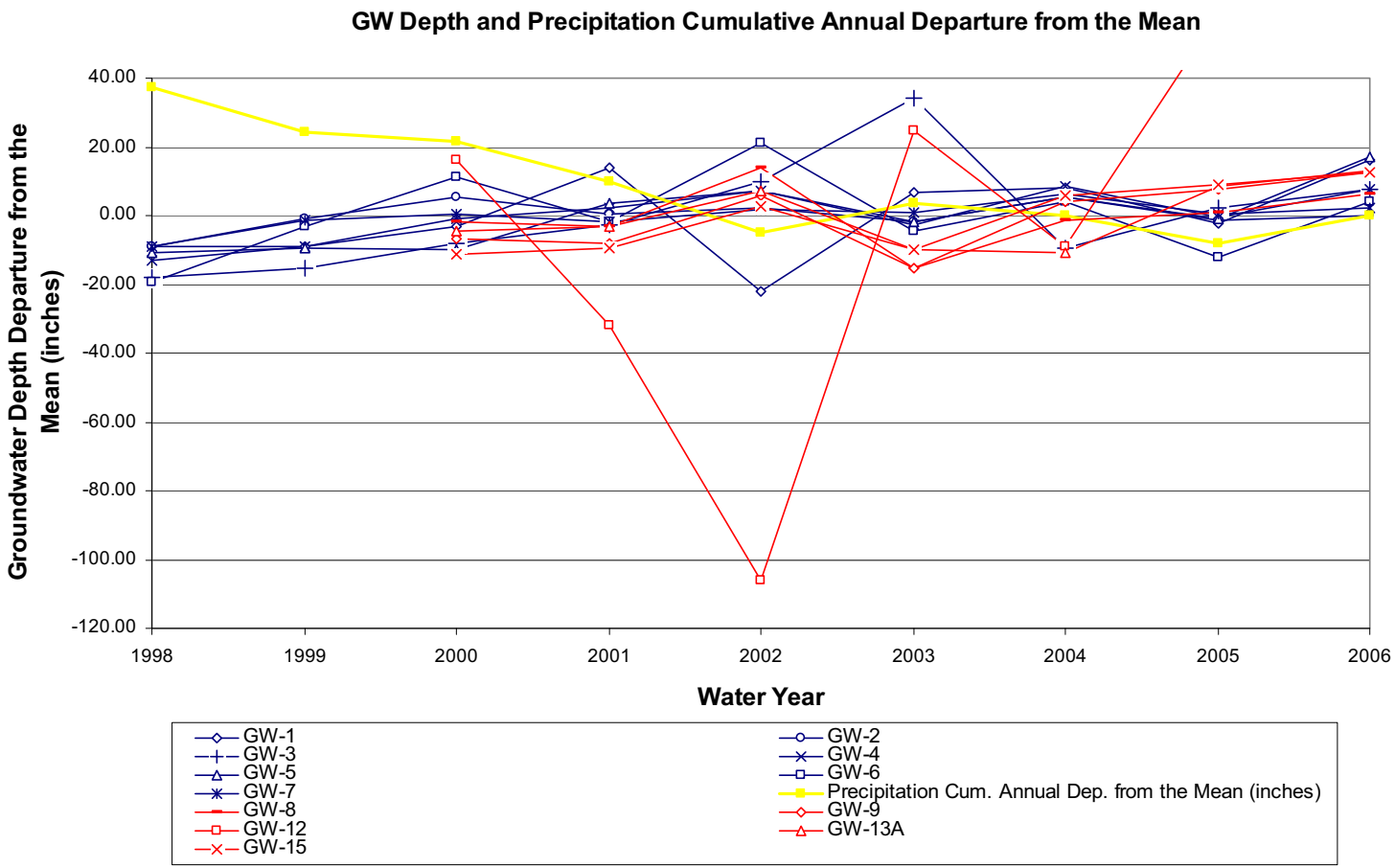

Figure 2.4-250. Groundwater Depth with Precipitation Cumulative Annual Departure from the Mean

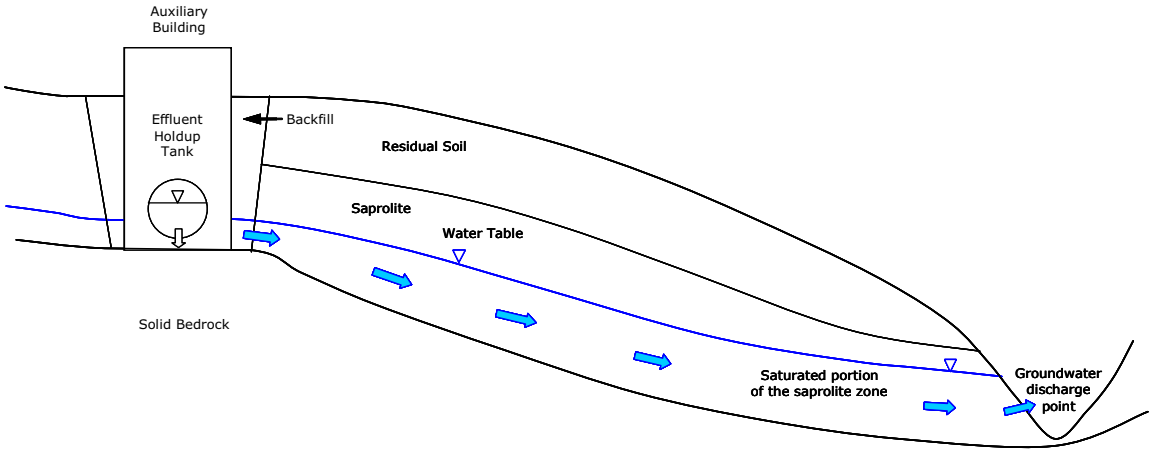

Figure 2.4-251. Conceptual Model for Evaluating Radionuclide Transport in Groundwater through the Saprolite/ Shallow Bedrock Material to the Unnamed Creeks or to Mayo Creek

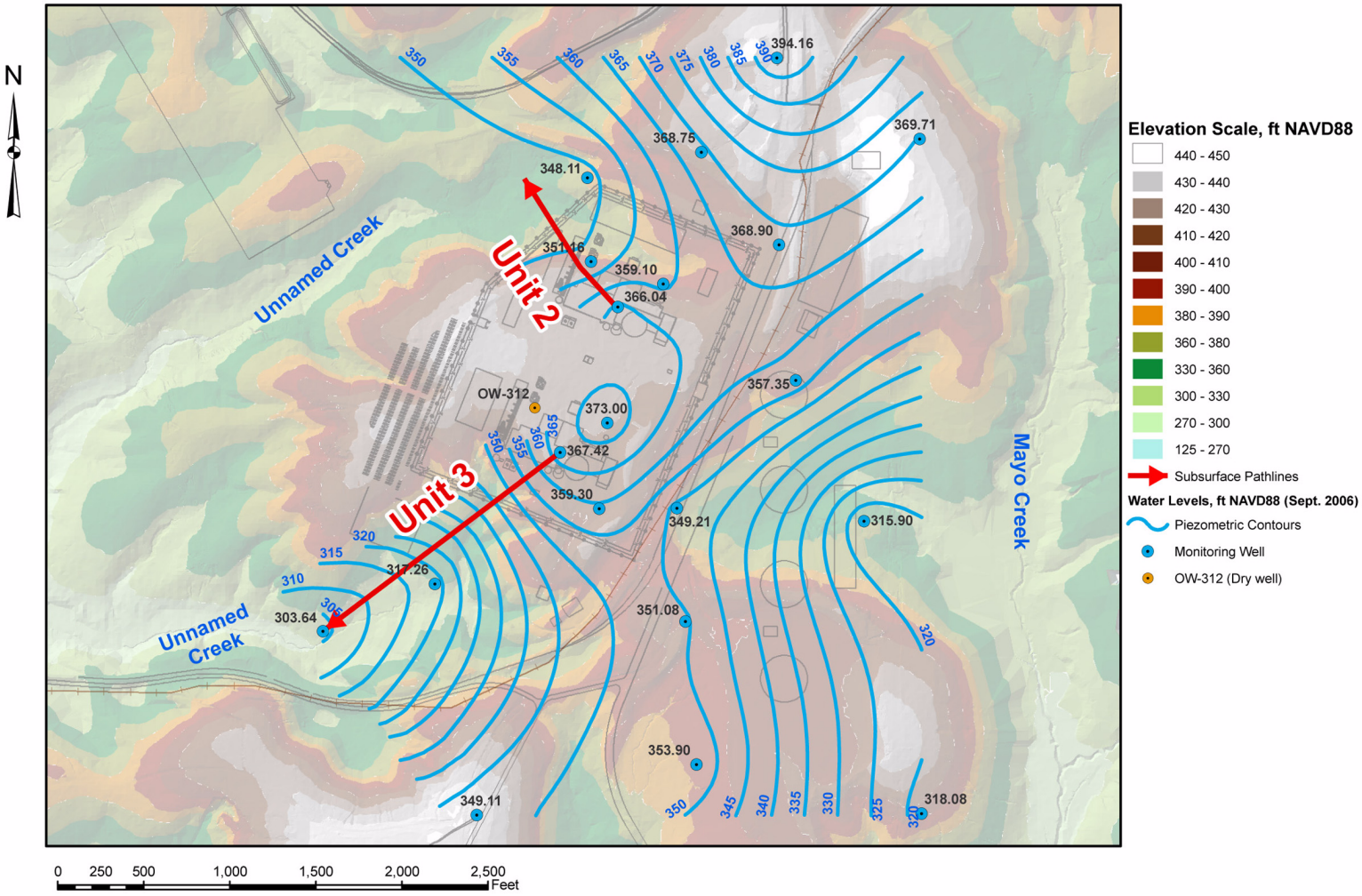

Figure 2.4-252. Plan View of Subsurface Contaminant Pathways for Units 2 and 3 to the Unnamed Creeks

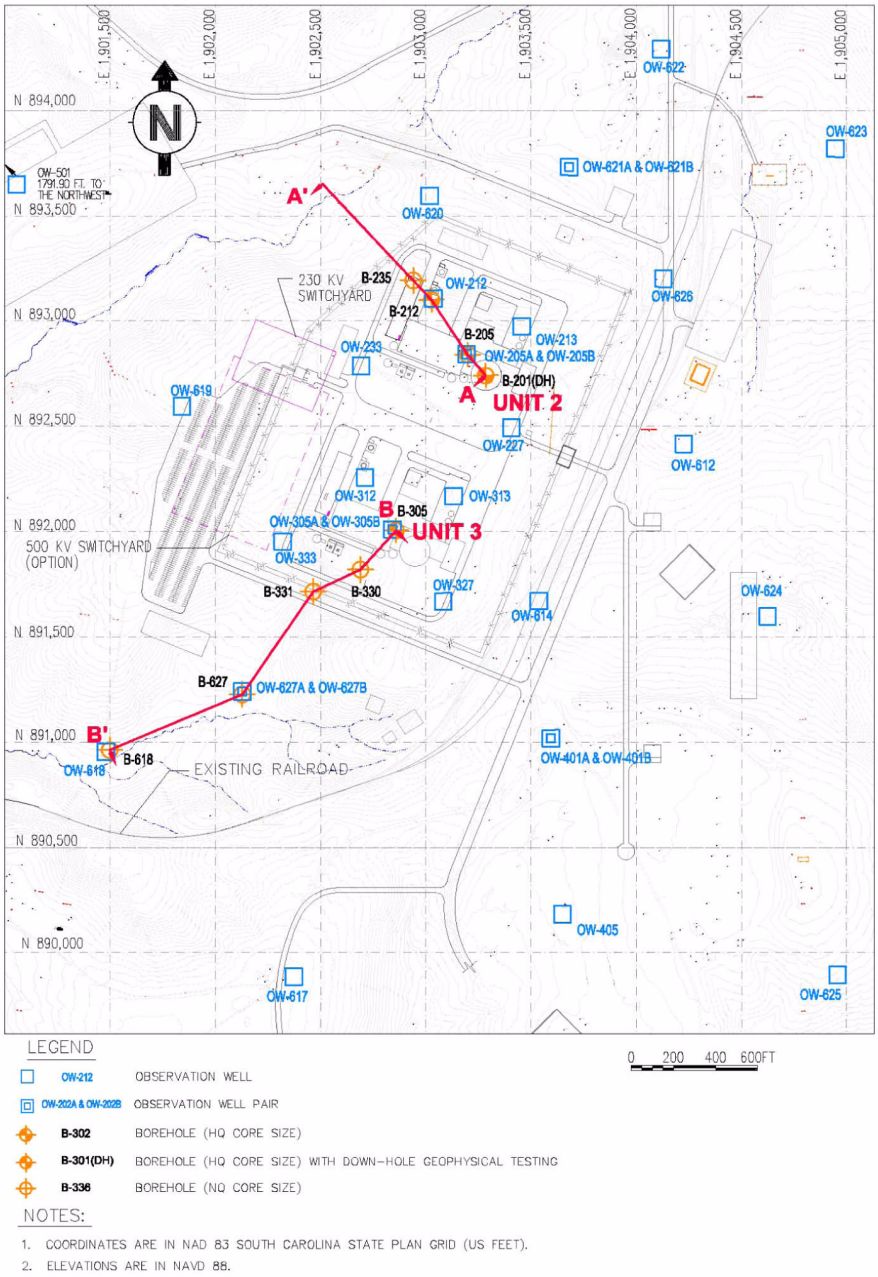

Figure 2.4-253. Plan View Showing Locations of Cross Sections of the Western Pathways from Units 2 and 3 to the Unnamed Creeks

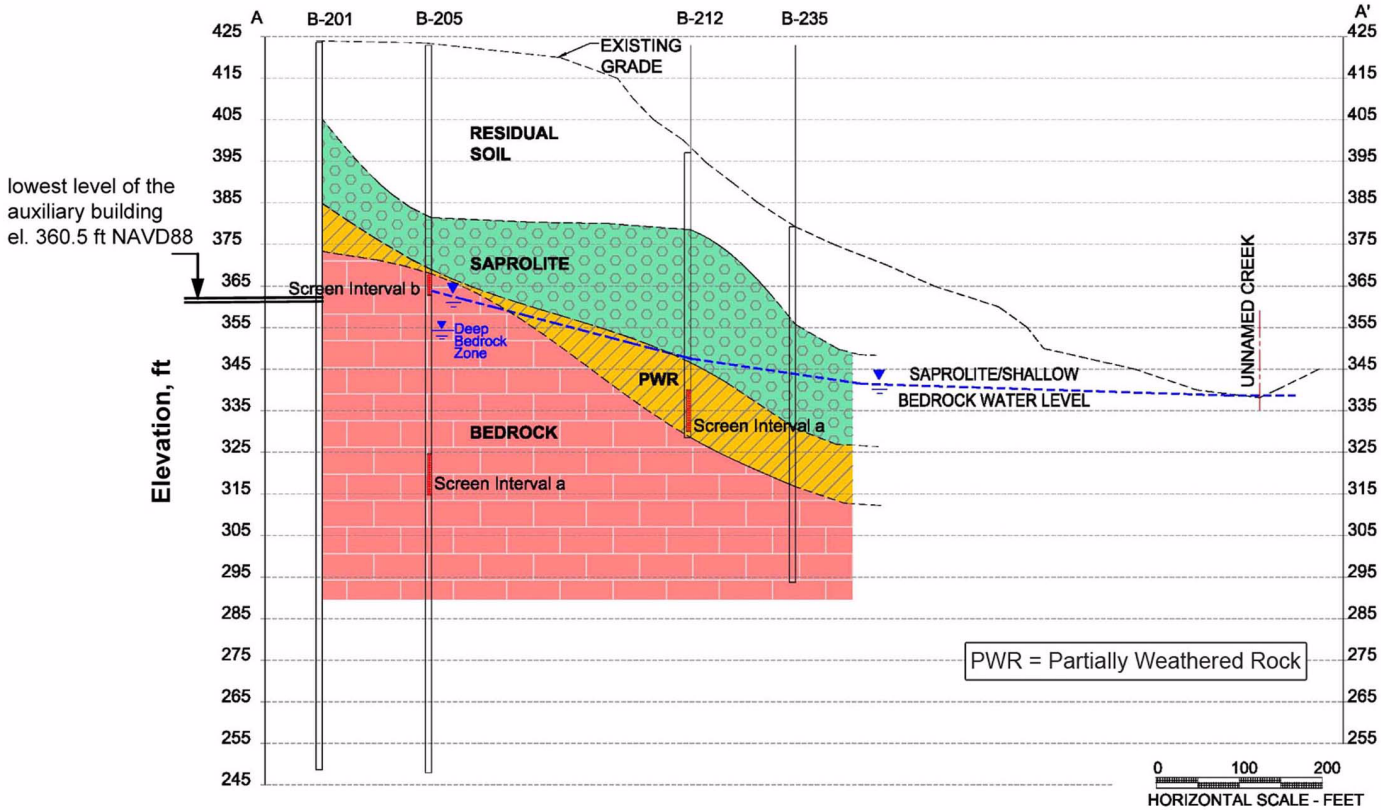

Figure 2.4-254. Cross Section along the Subsurface Contaminant Pathway for Unit 2

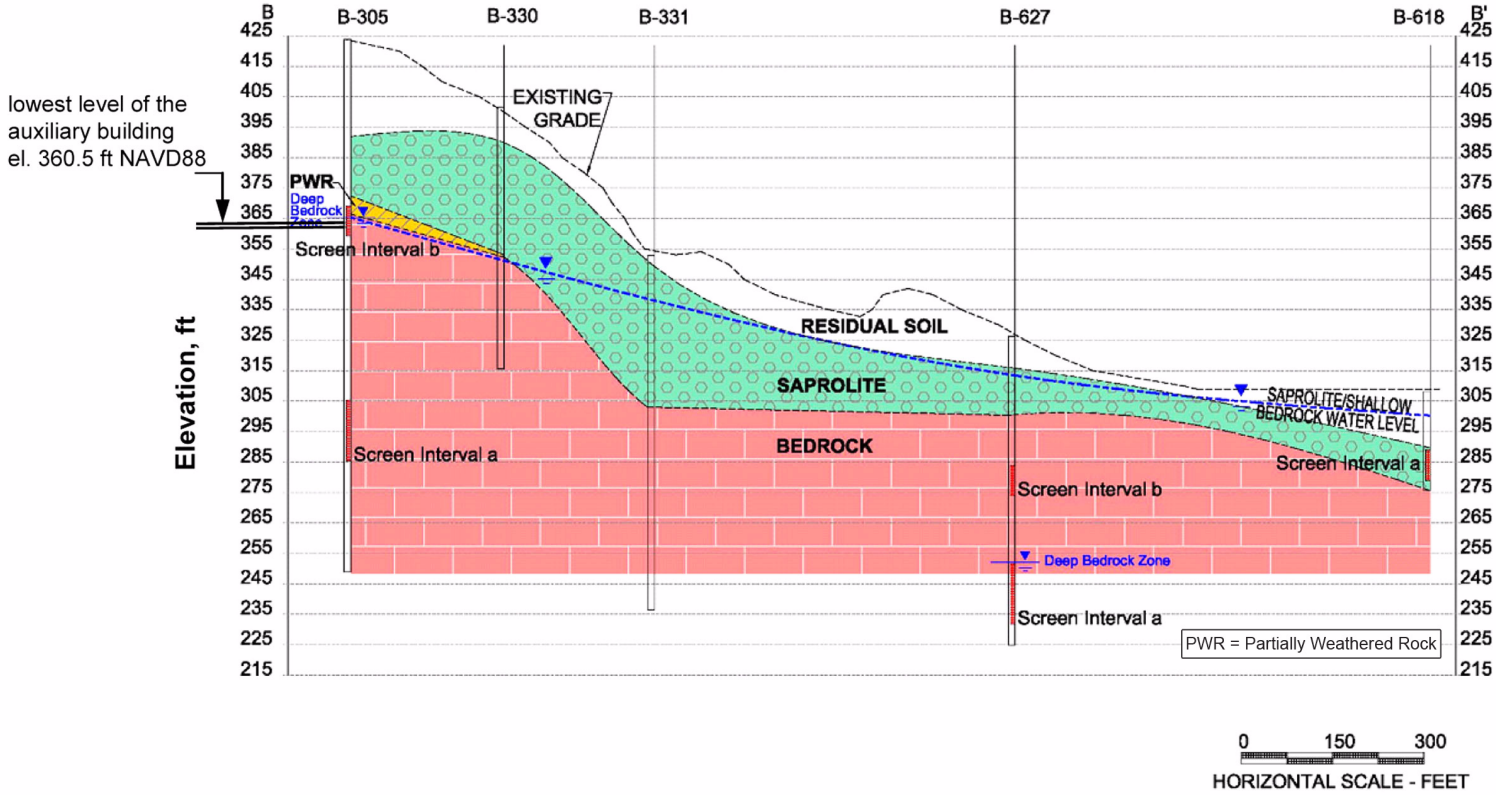

Figure 2.4-255. Cross-Section Along the Subsurface Contaminant Pathway for Unit 3

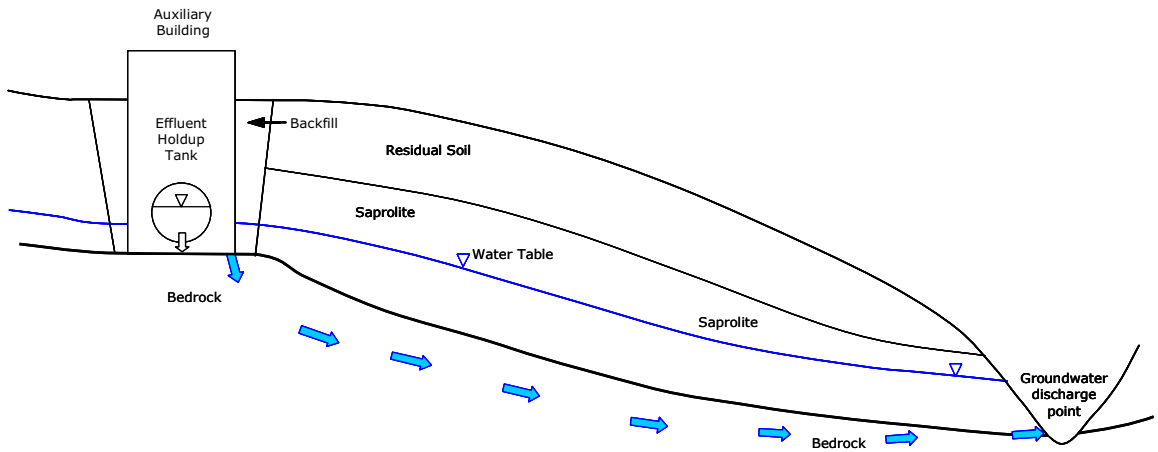

Figure 2.4-256. Conceptual Model for Evaluating Radionuclide Transport in Groundwater Through the Deep Bedrock Material to the Broad River or to Mayo Creek

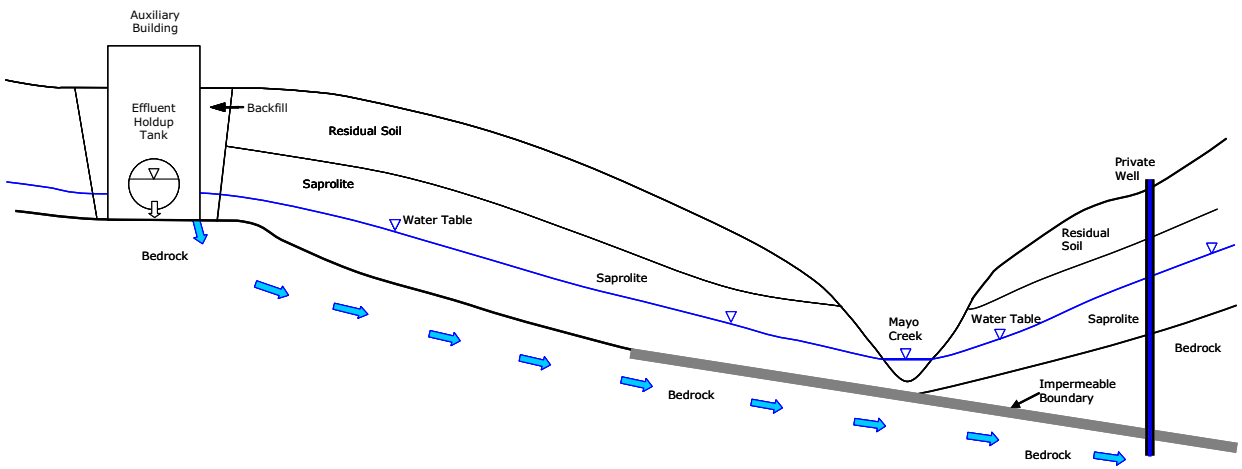

Figure 2.4-257. Conceptual Model for Evaluating Radionuclide Transport in Groundwater Through the Deep Bedrock Material to a Hypothetical Private Well on the SCE&G Property Line to the East of Mayo Creek

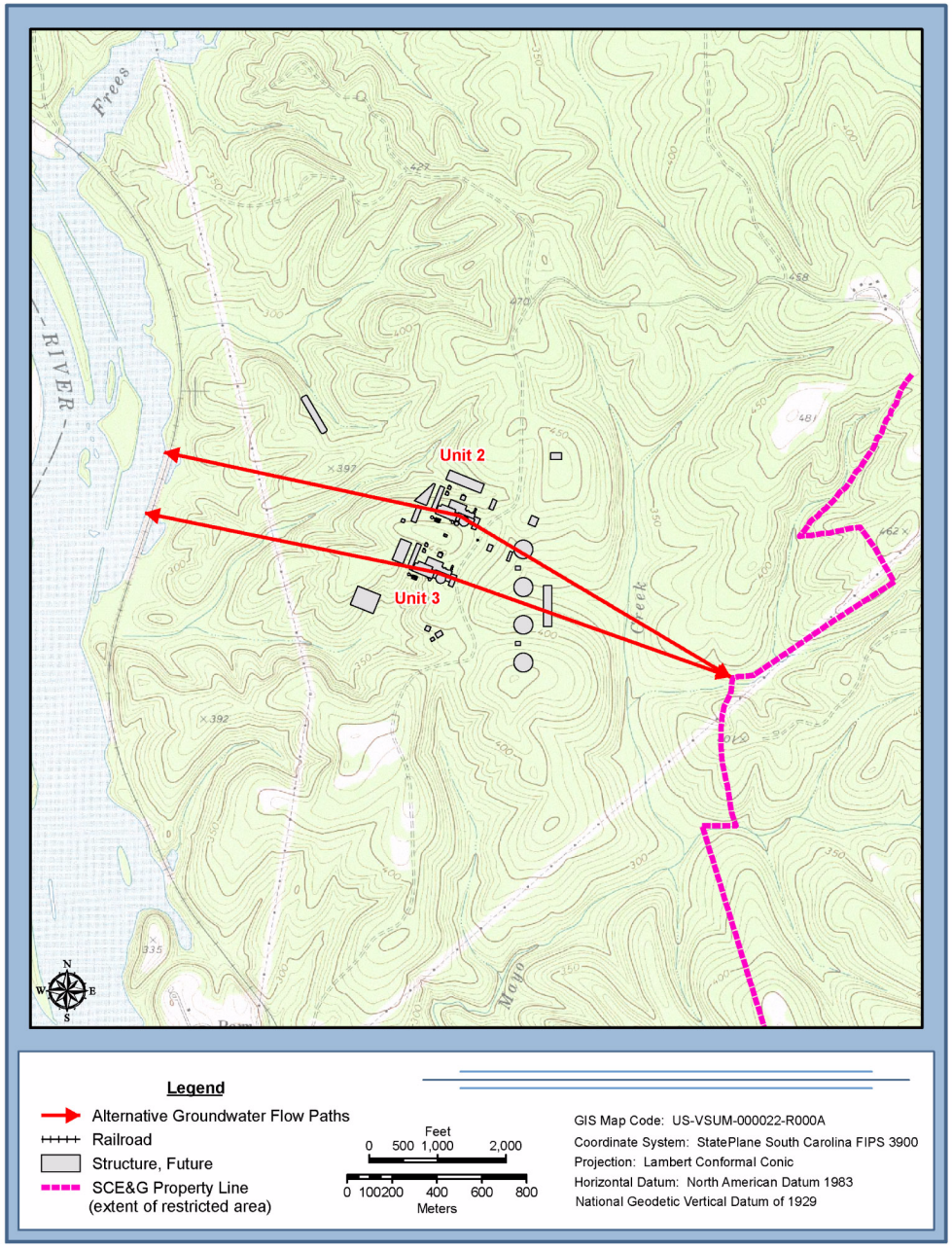

Figure 2.4-258. Alternative Groundwater Pathways to Broad River and SCE&G Property Boundary

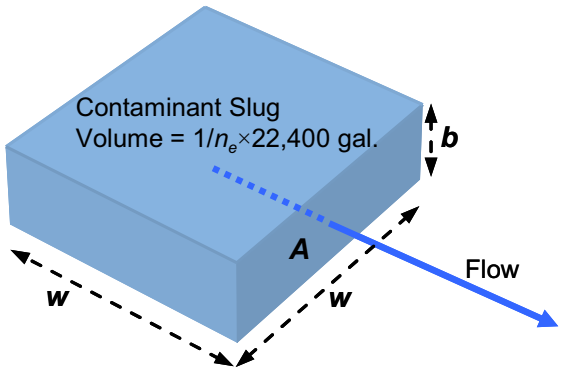

Figure 2.4-259. Conceptual Model of the Contaminant Slug Dimensions in the Aquifer

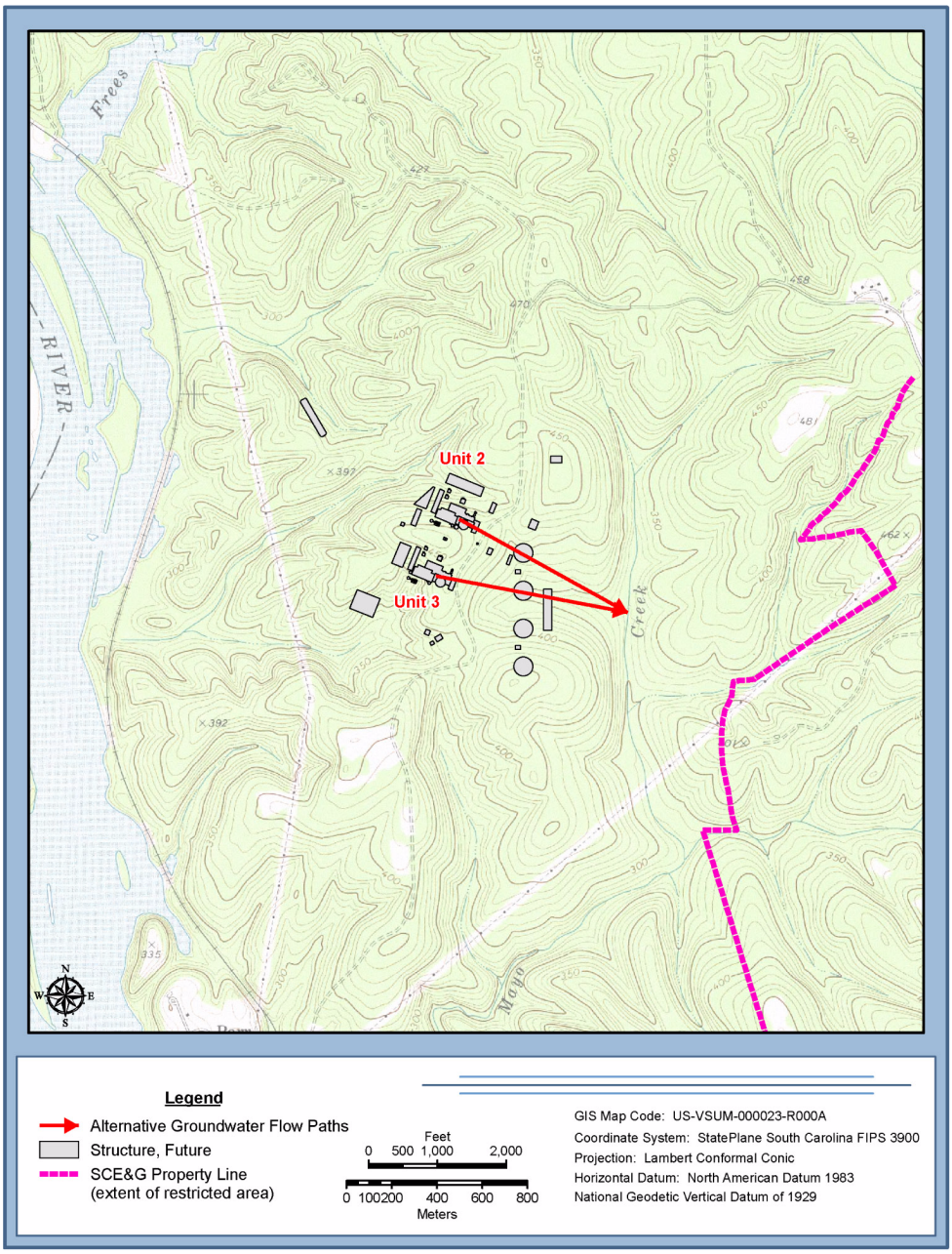

Figure 2.4-260. Alternative Groundwater Pathways to Mayo Creek

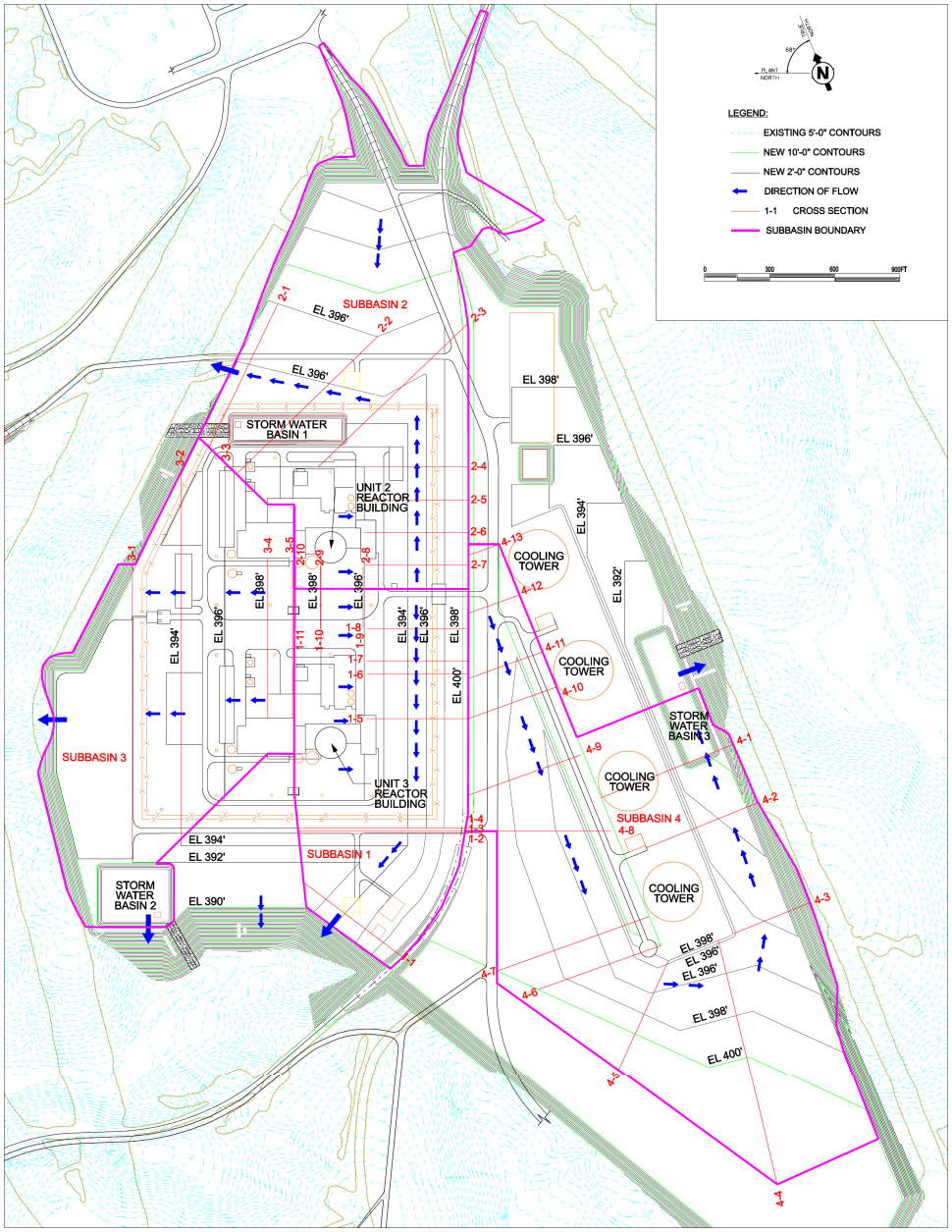

Figure 2.4-261. Cross-Section Location Map for HEC-RAS Model of Local PMF for VCSNS Units 2 and 3