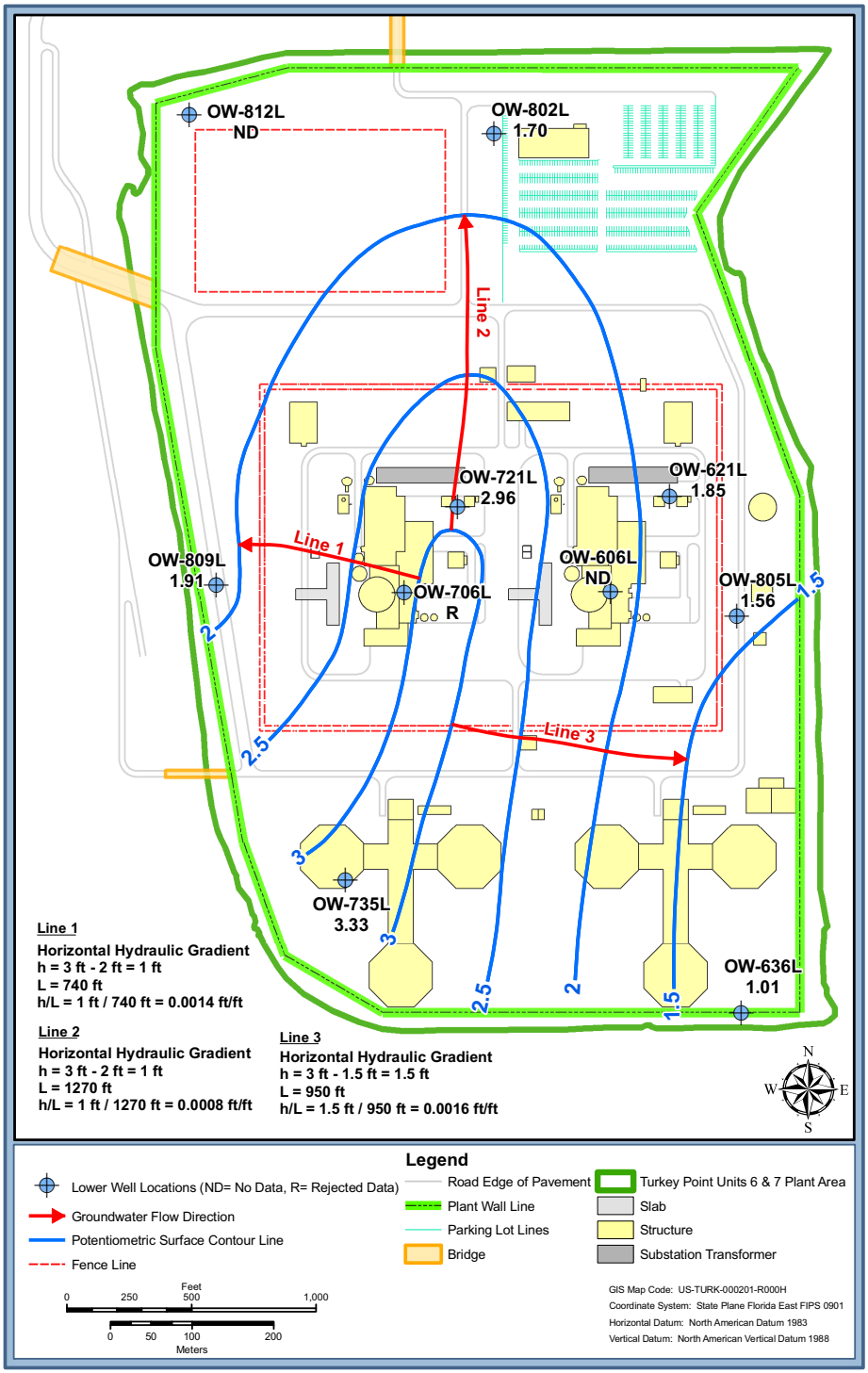
PTN COL 2.4-4

Figure 2.4.12-226 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, October 5, 2008 (Sheet 1 of 2) High Tide

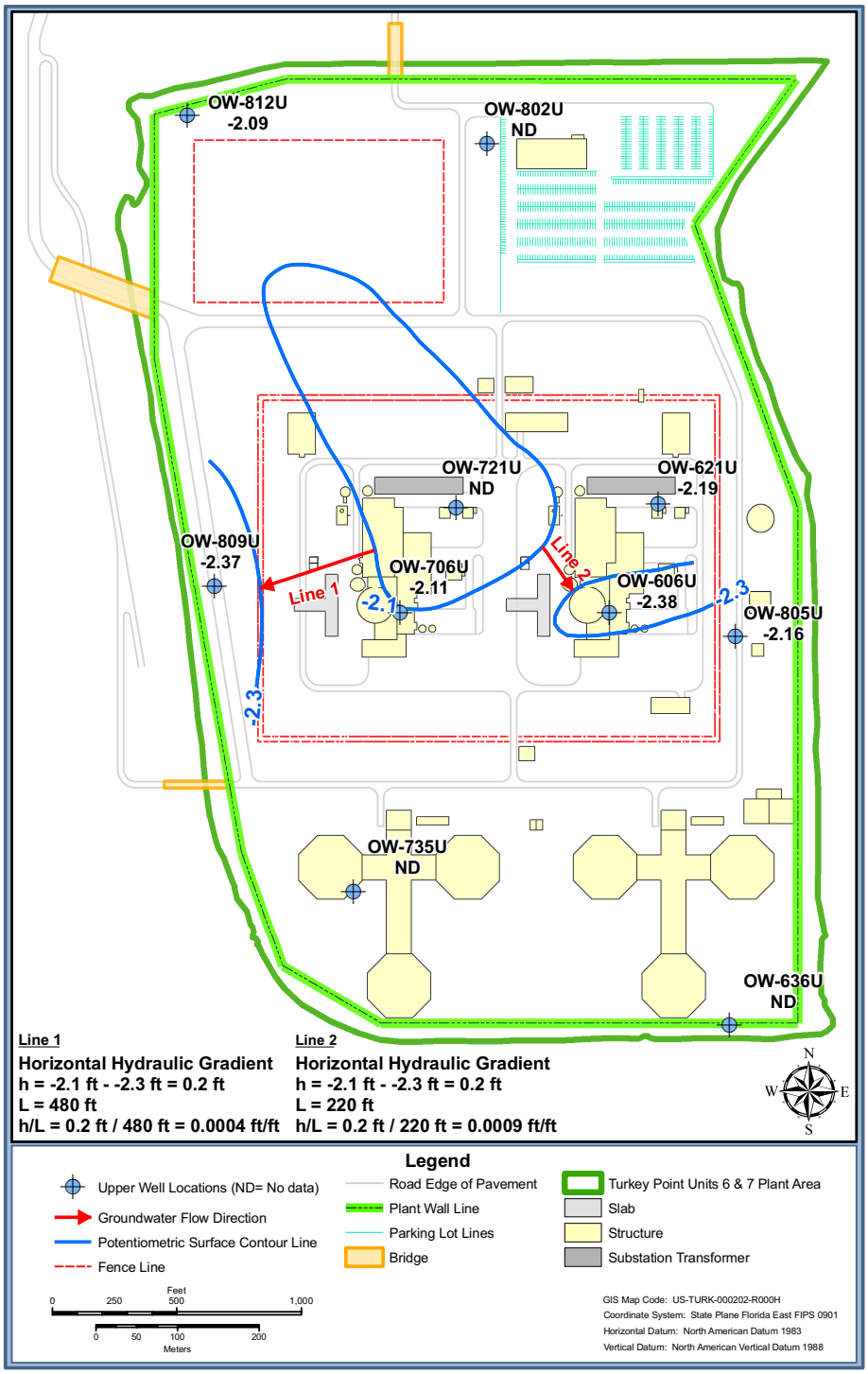
PTN COL 2.4-4

Figure 2.4.12-226 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, October 5, 2008 (Sheet 2 of 2) Low Tide



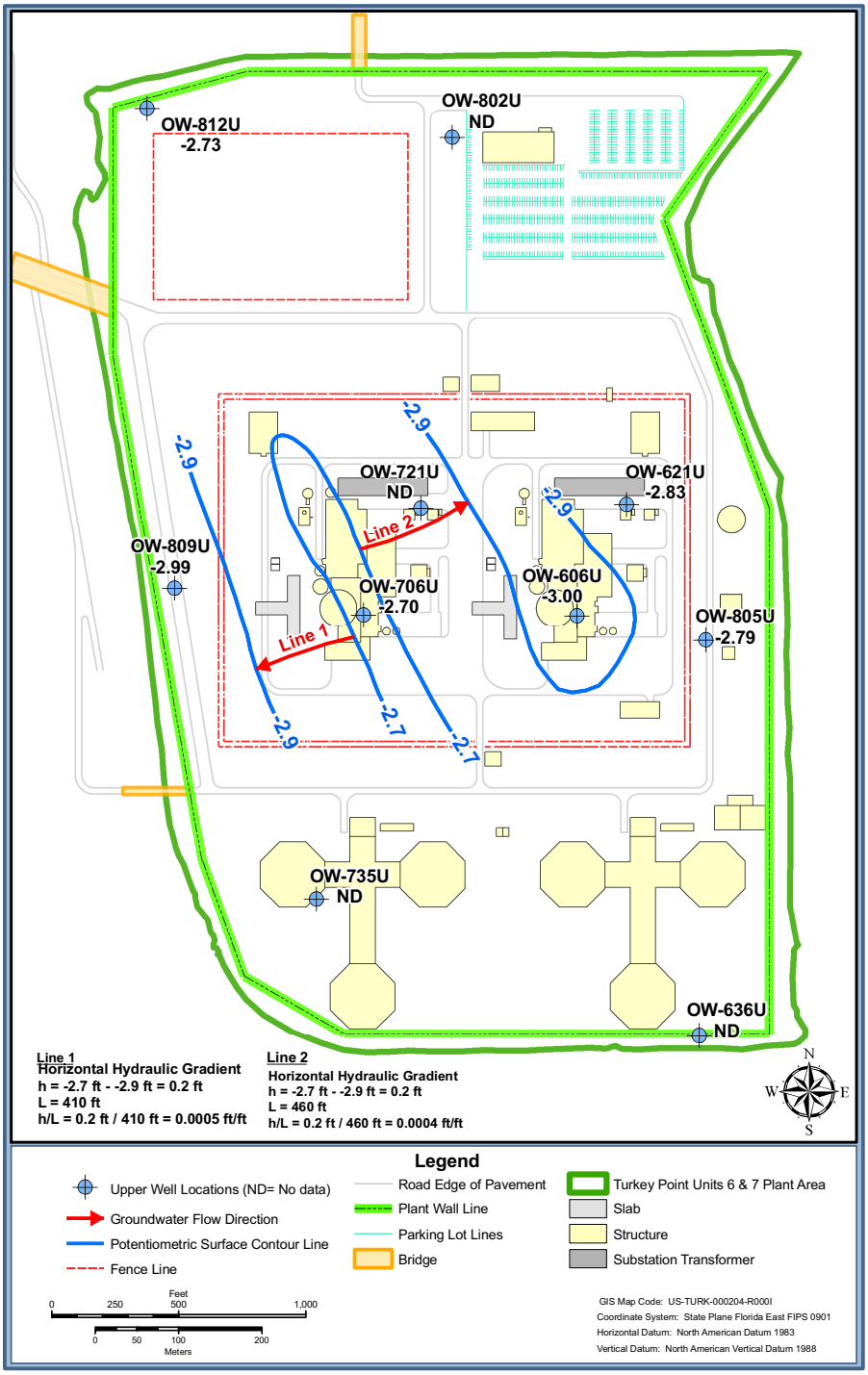
PTN COL 2.4-4

Figure 2.4.12-227 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, January 20-21, 2009 (Sheet 1 of 2) High Tide



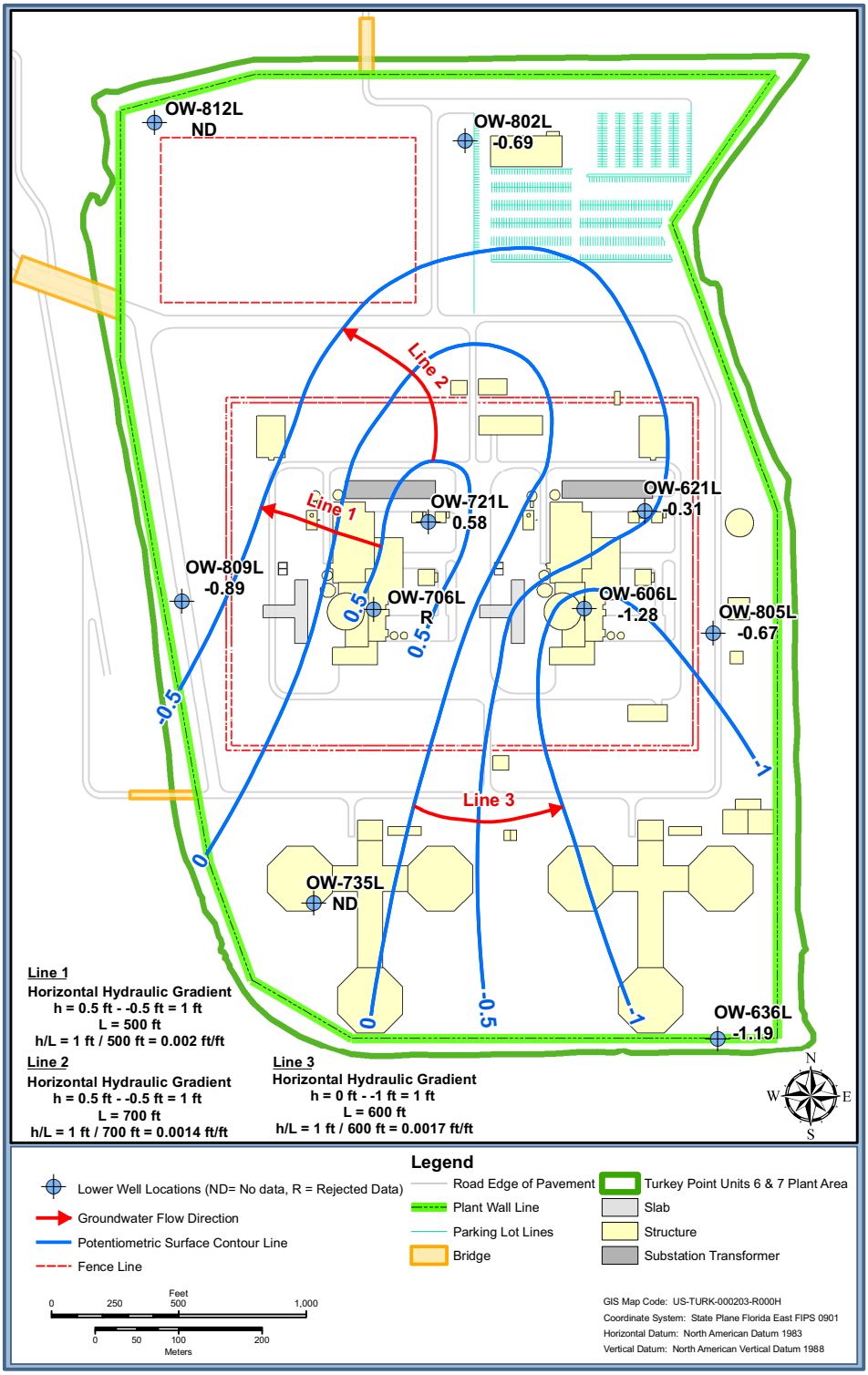
PTN COL 2.4-4

Figure 2.4.12-227 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, January 20-21, 2009 (Sheet 2 of 2) Low Tide



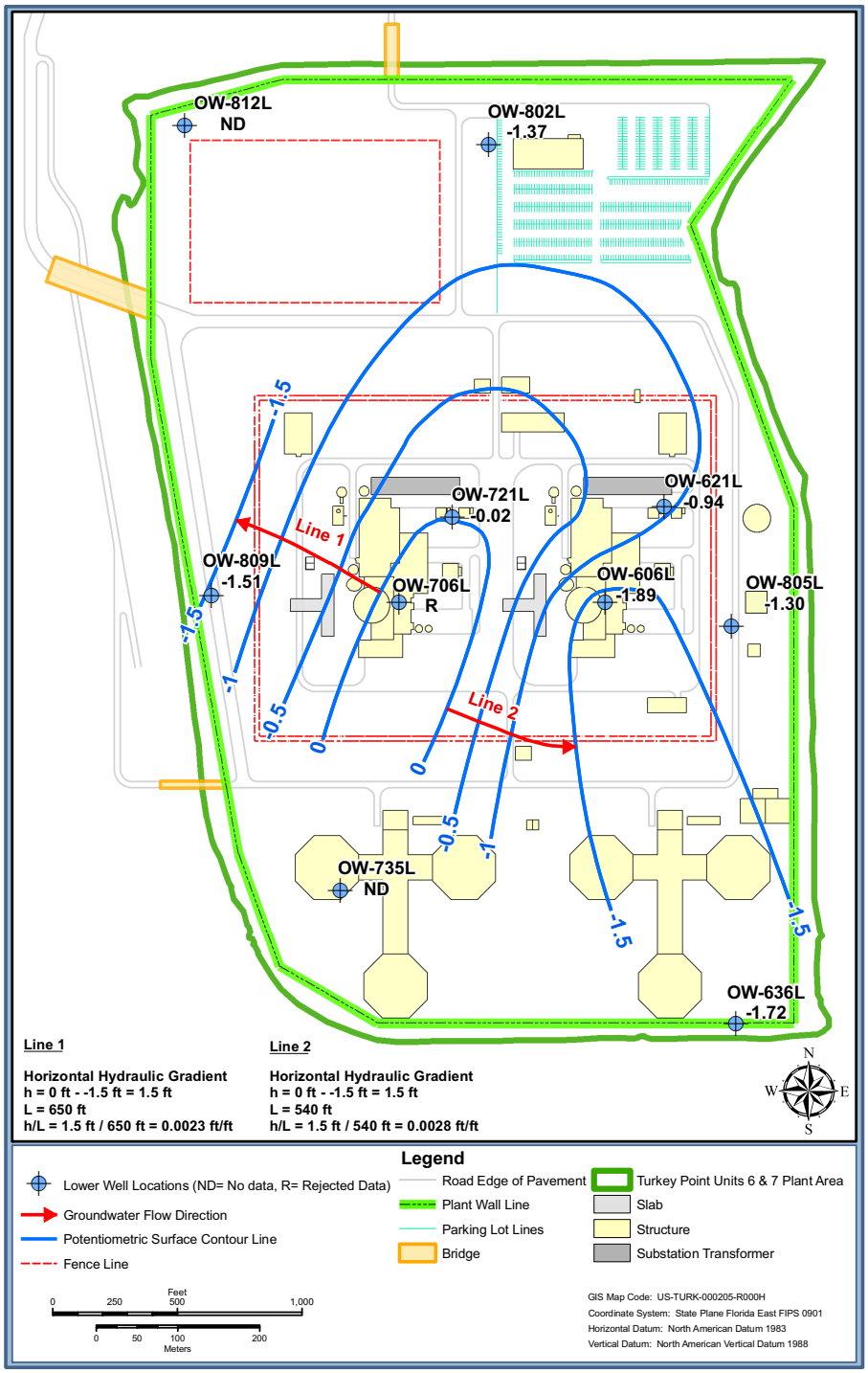
PTN COL 2.4-4

Figure 2.4.12-228 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, January 20-21, 2009 (Sheet 1 of 2) High Tide



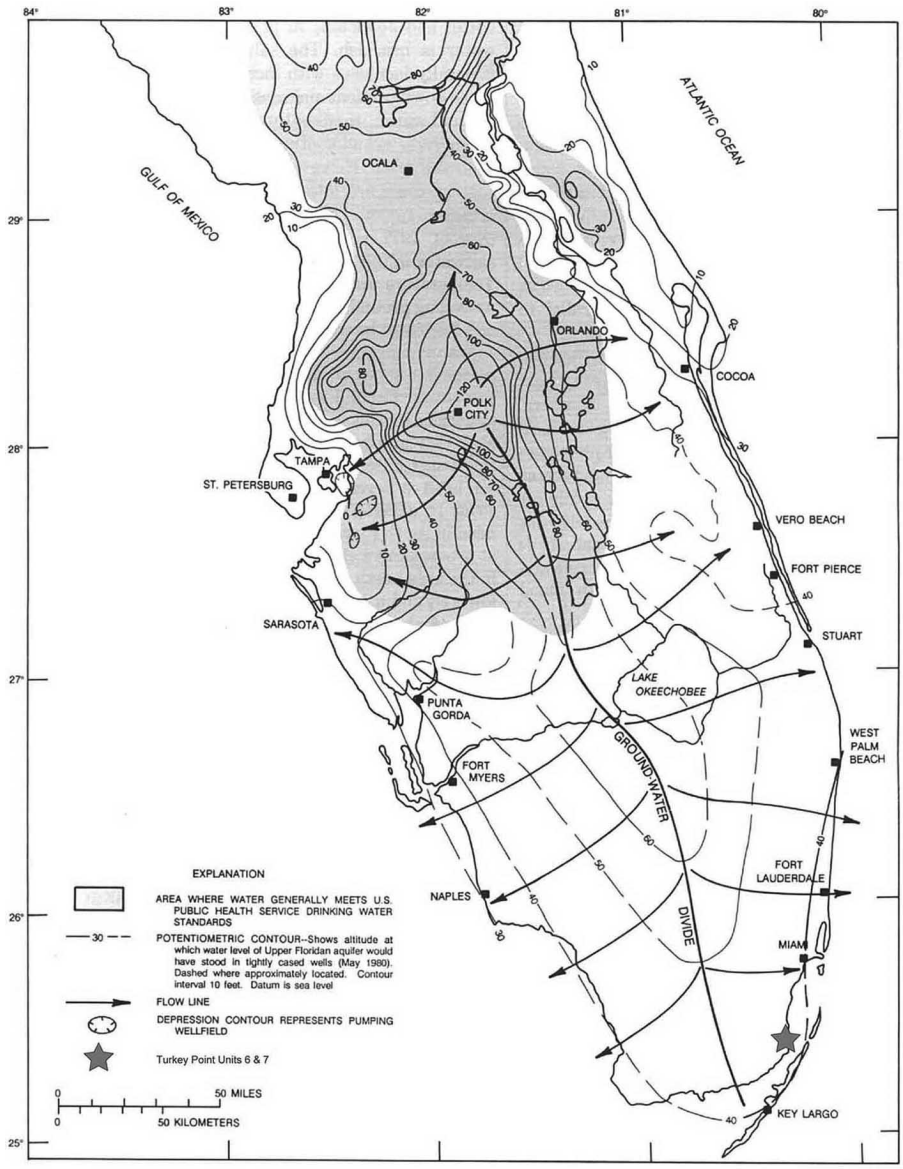
PTN COL 2.4-4

Figure 2.4.12-228 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, January 20-21, 2009 (Sheet 2 of 2) Low Tide



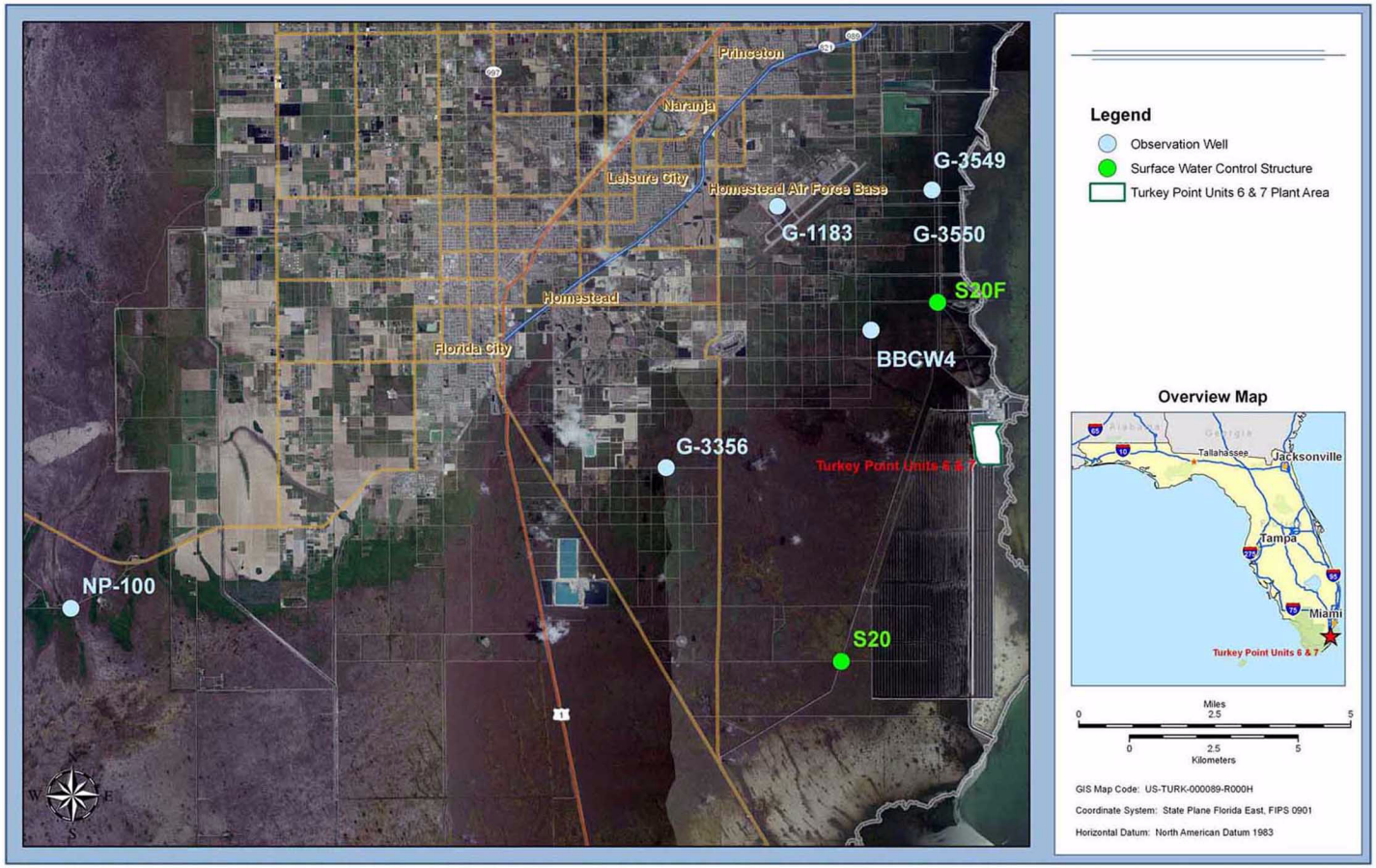
PTN COL 2.4-4

Figure 2.4.12-229 May 1980 Upper Floridan Aquifer Potentiometric Surface Map



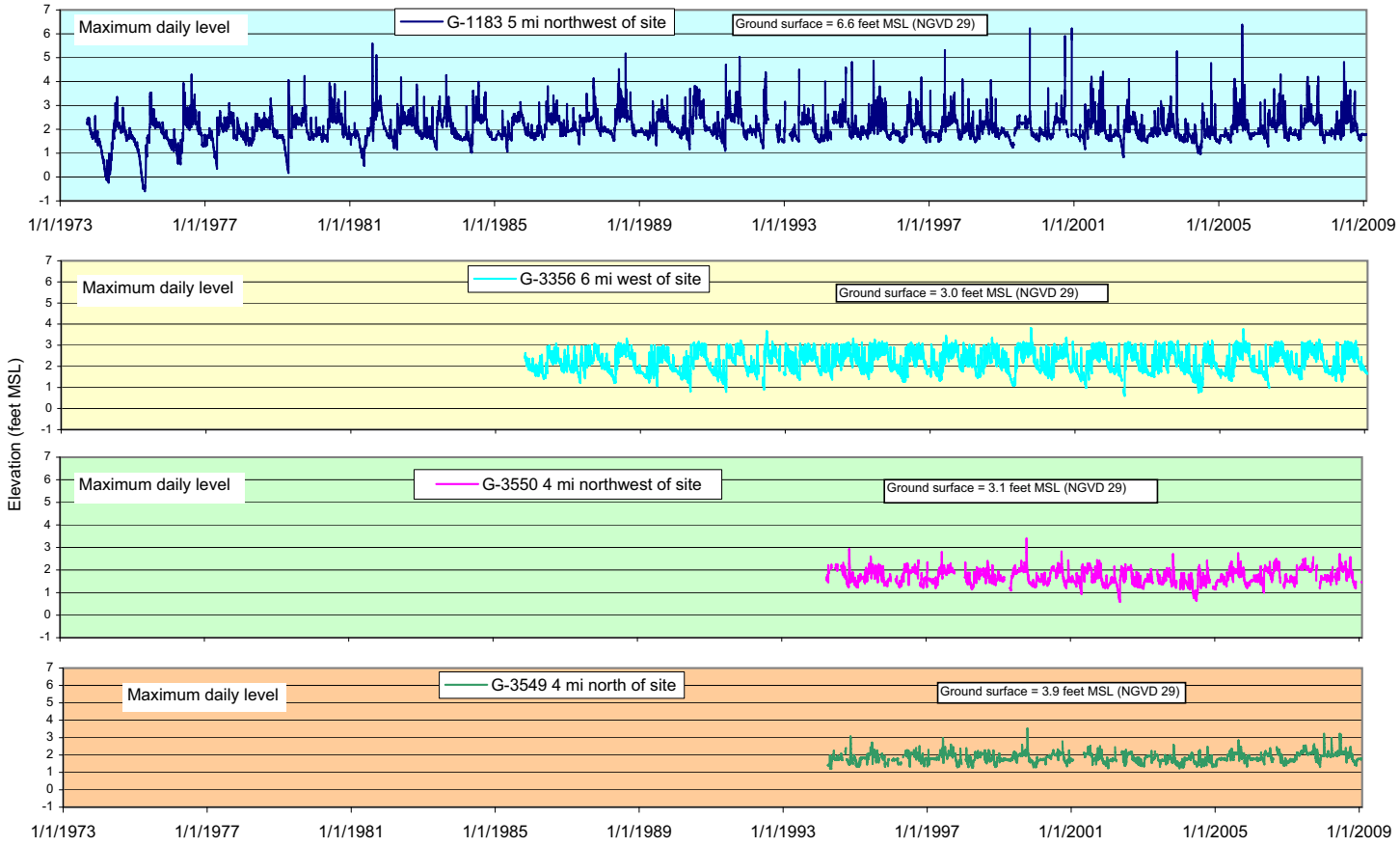
Modified from Reference 215

PTN COL 2.4-4 **Figure 2.4.12-230 Observation Wells and Surface Water Monitoring Locations in the Turkey Point Vicinity**



PTN COL 2.4-4

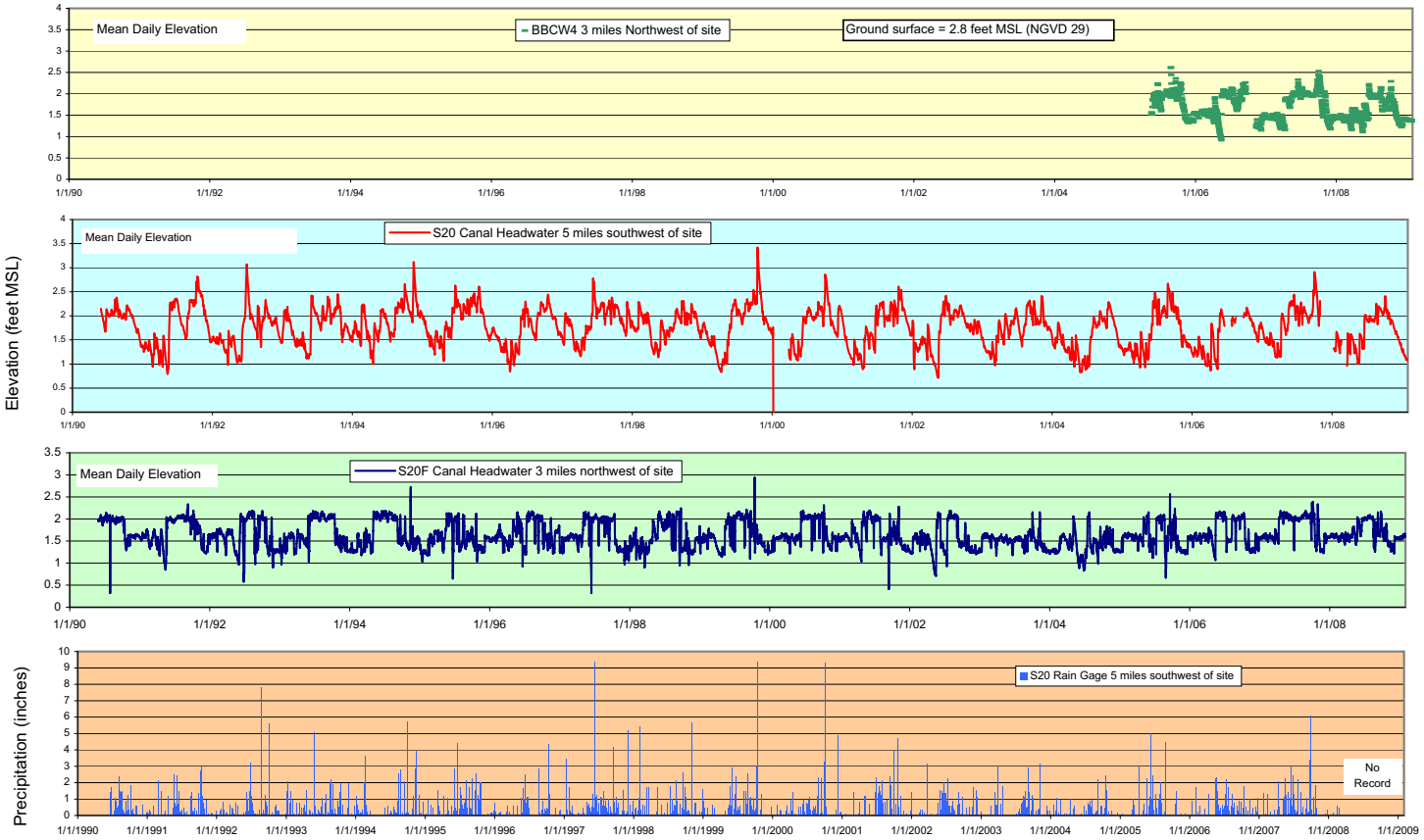
Figure 2.4.12-231 Hydrographs of U.S. Geological Survey Wells in the Biscayne Aquifer



Reference 232 Hydrographs include data through 1/31/2009, additional data is available through Reference 232.

PTN COL 2.4-4

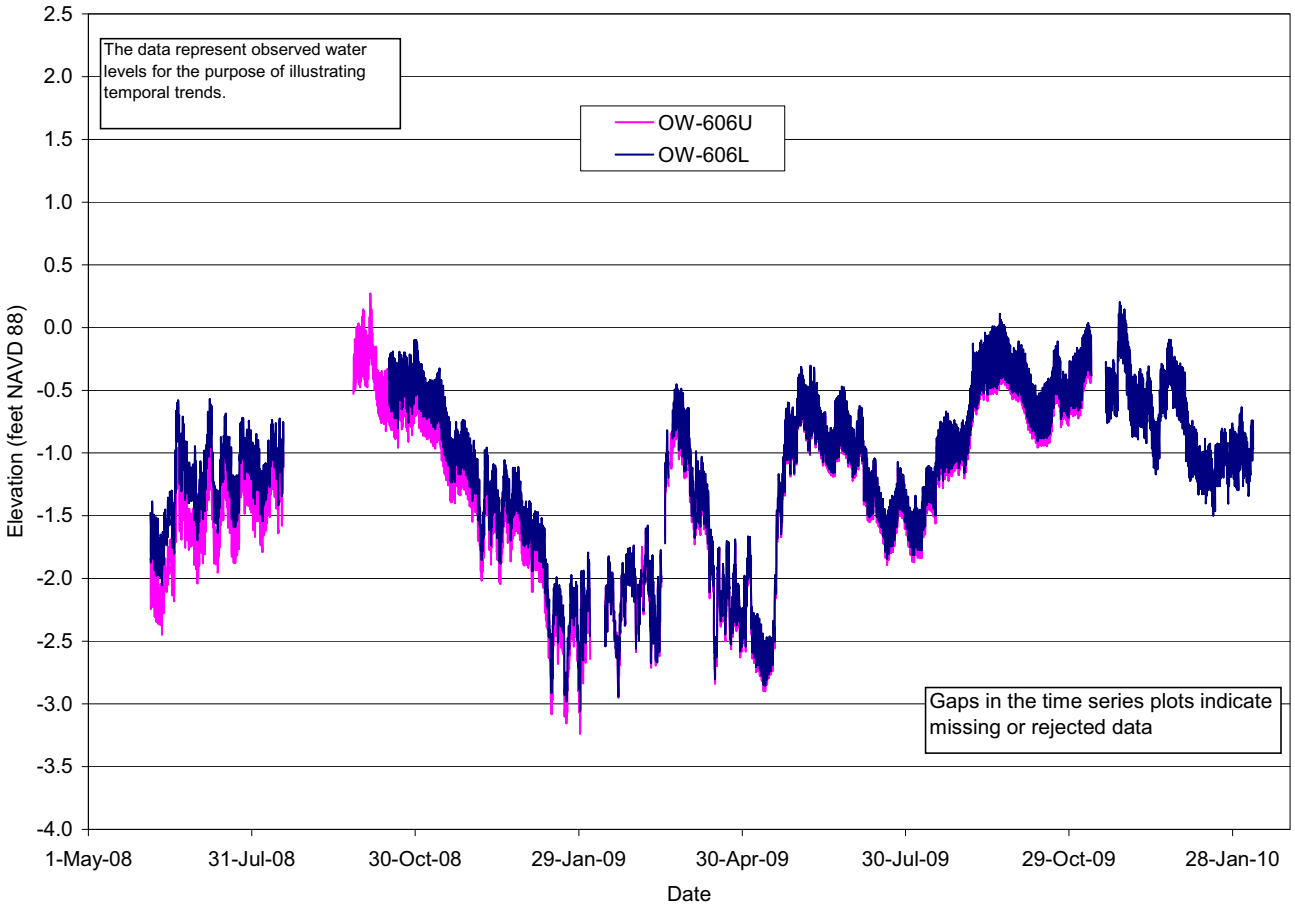
Figure 2.4.12-232 Hydrographs of South Florida Water Management District Well and Canal Levels and Precipitation



Reference 233 Hydropraphs include data through 1/31/2009 (3/17/2008 for S20 Rain gage), additional data is available through Reference 233.

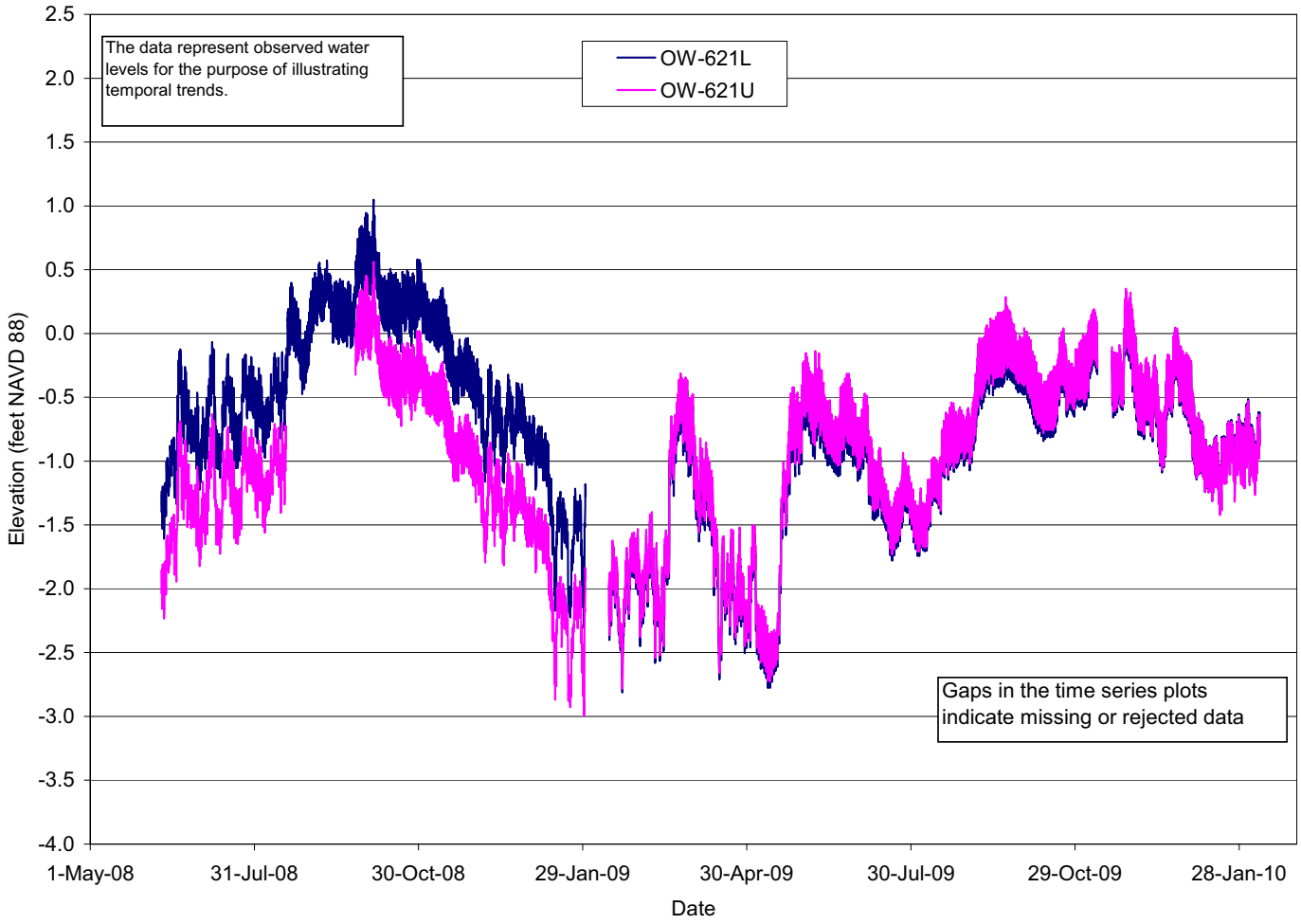
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 1 of 11)



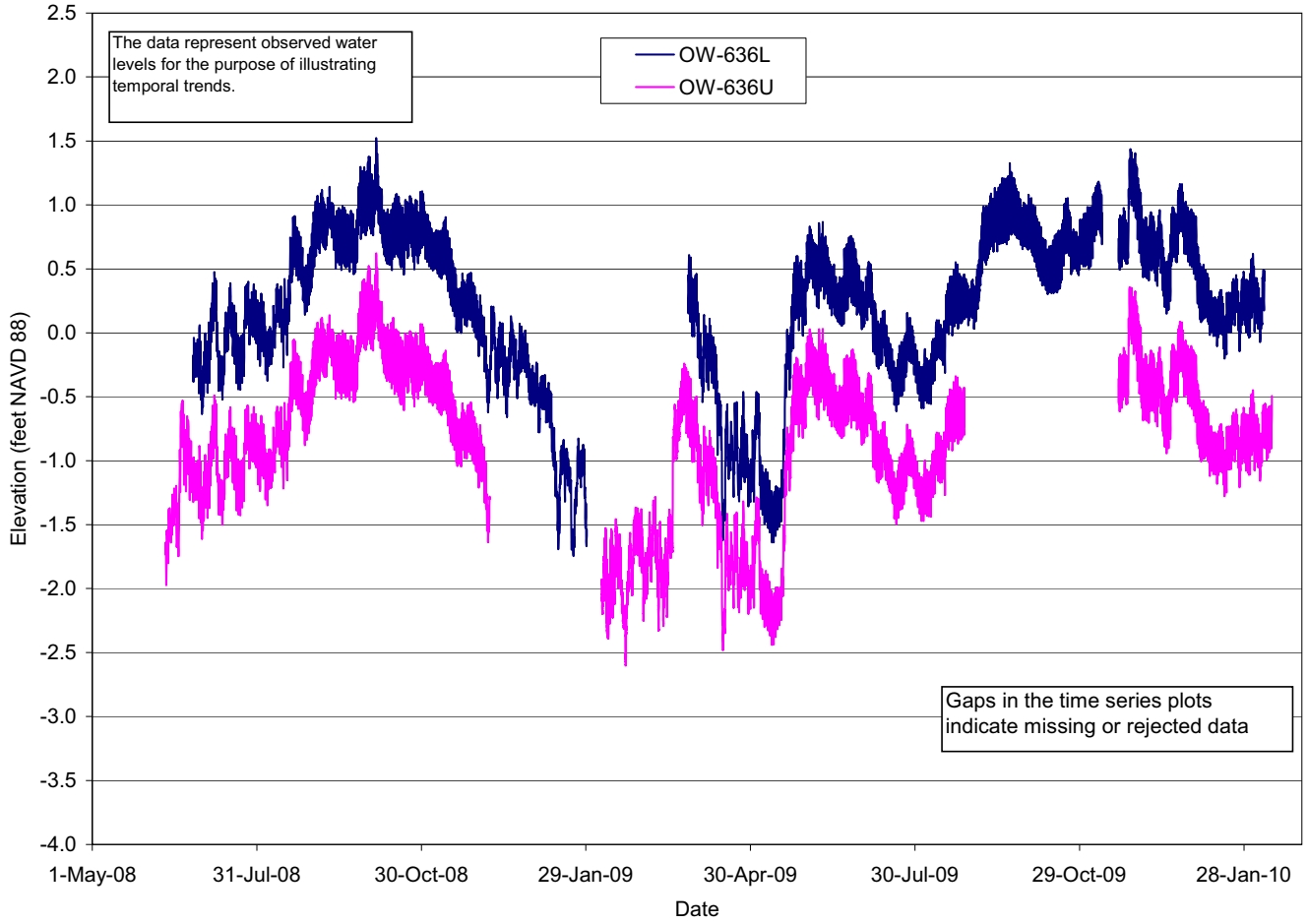
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 2 of 11)



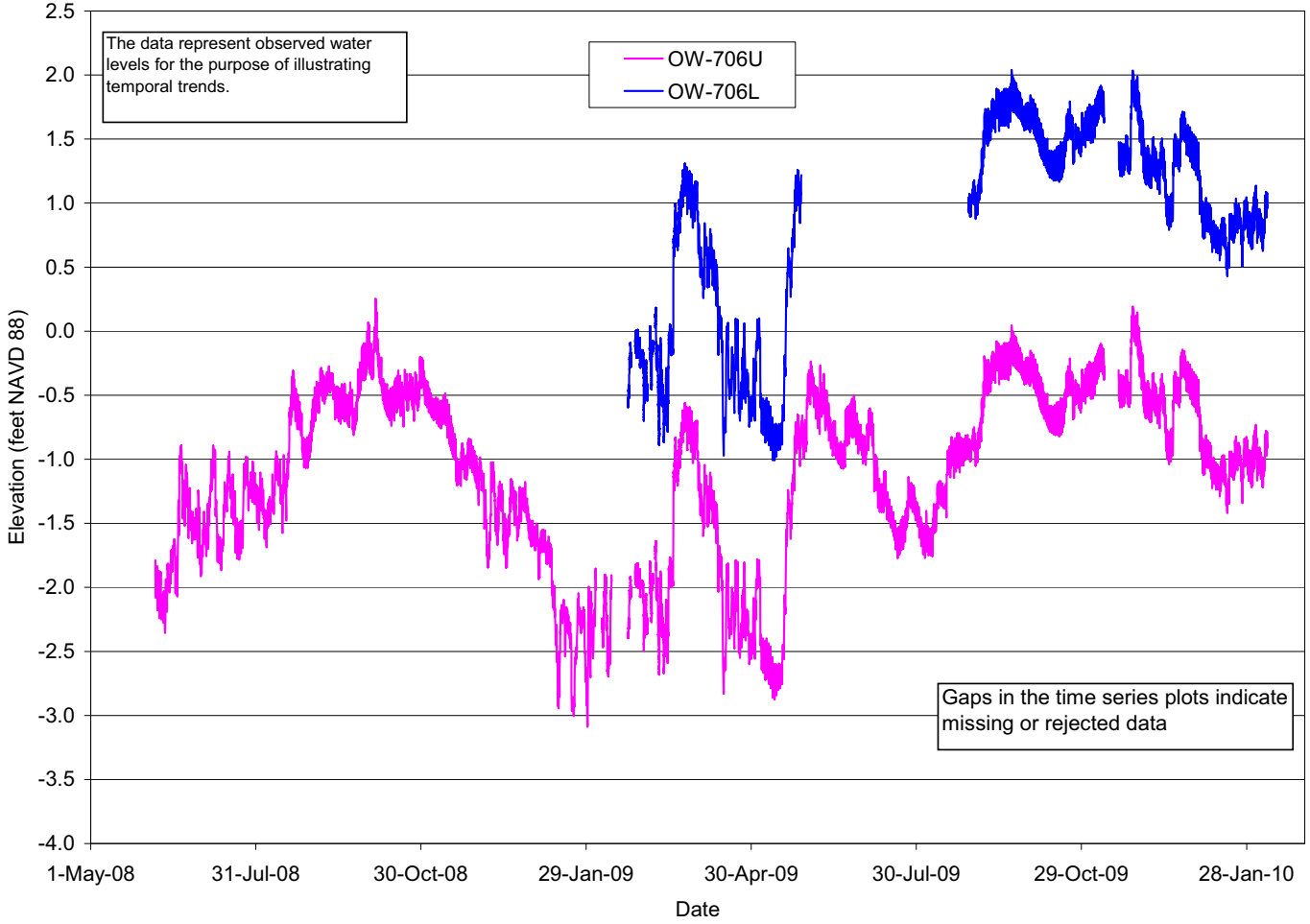
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 3 of 11)



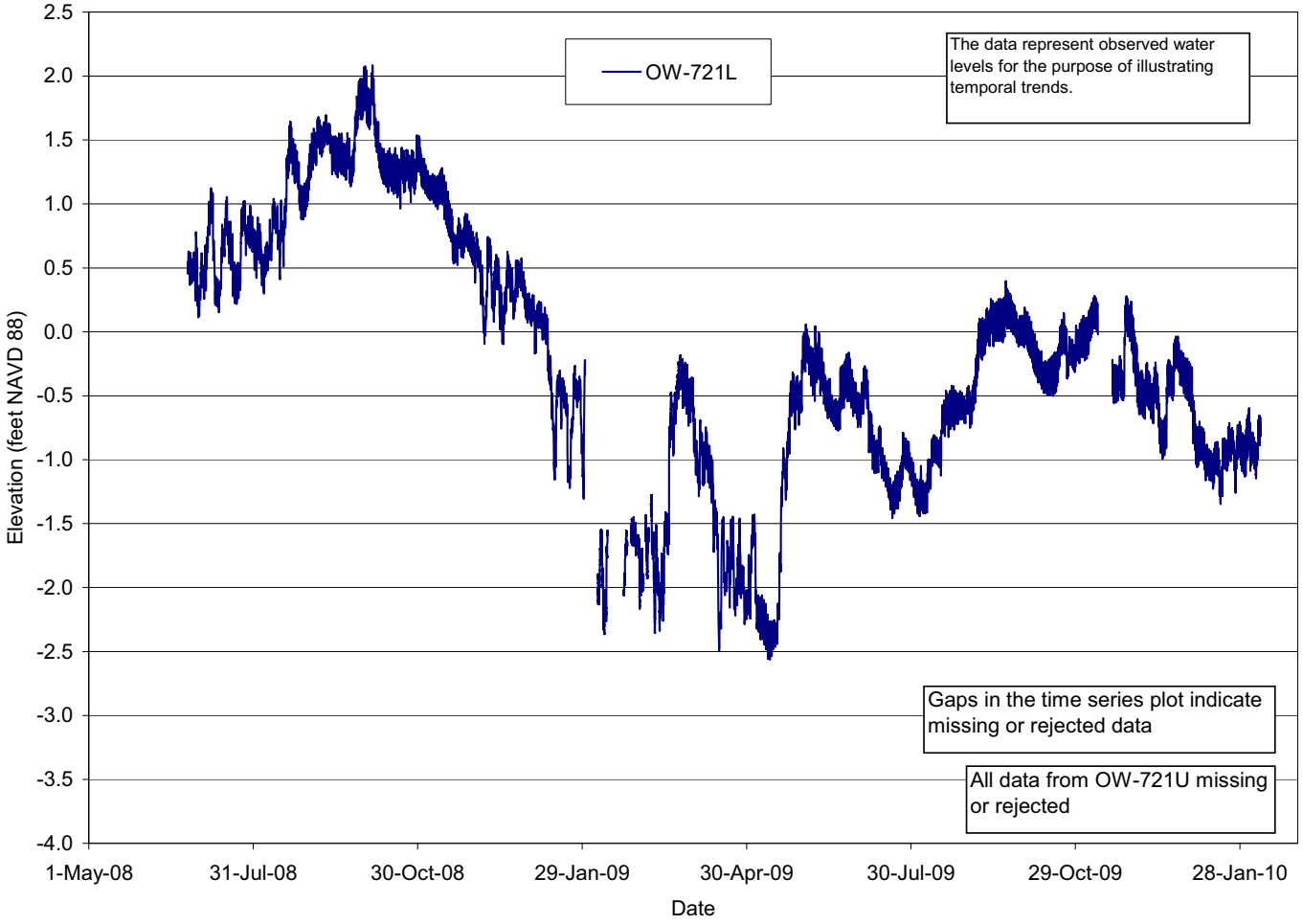
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 4 of 11)



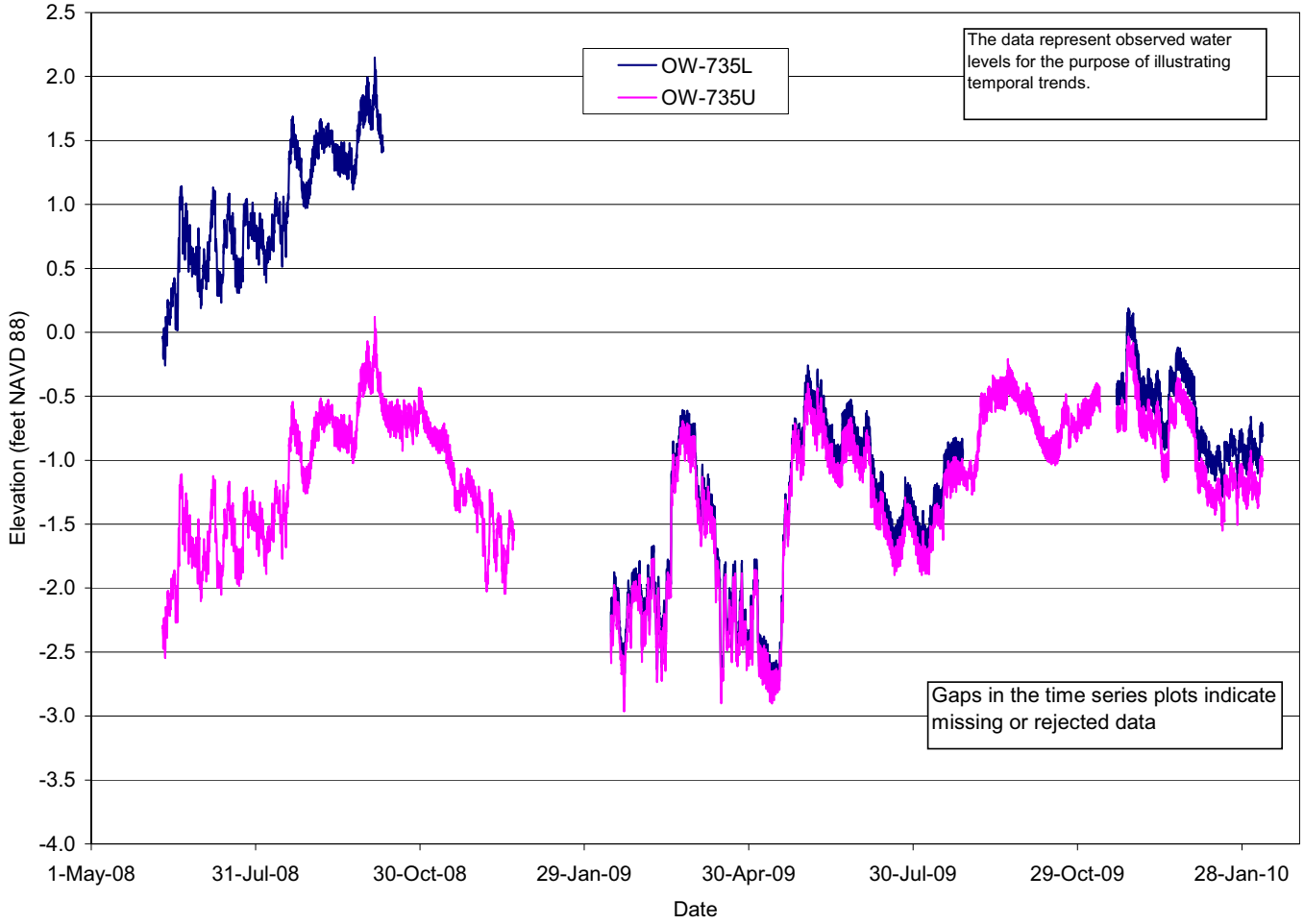
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 5 of 11)



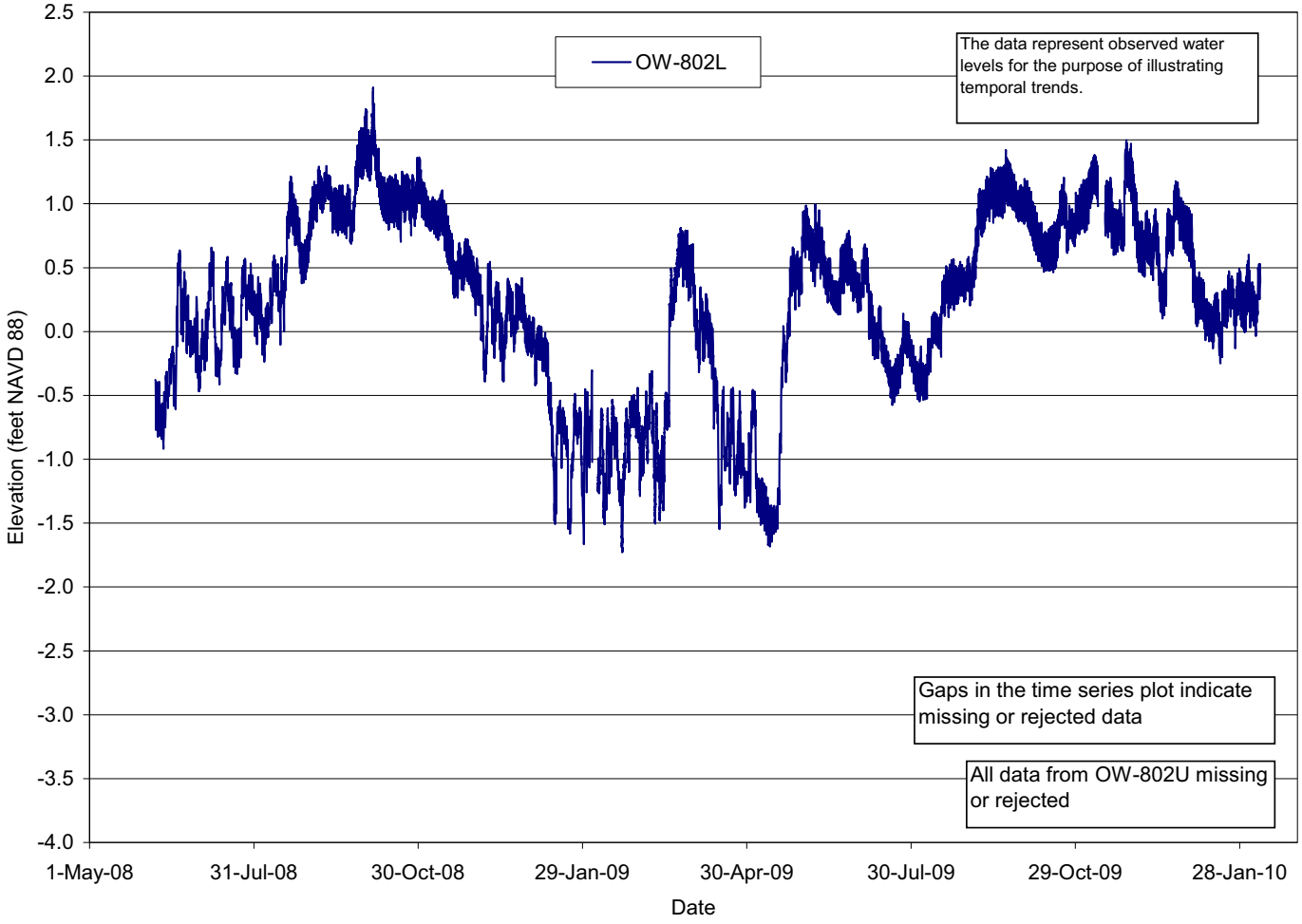
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 6 of 11)



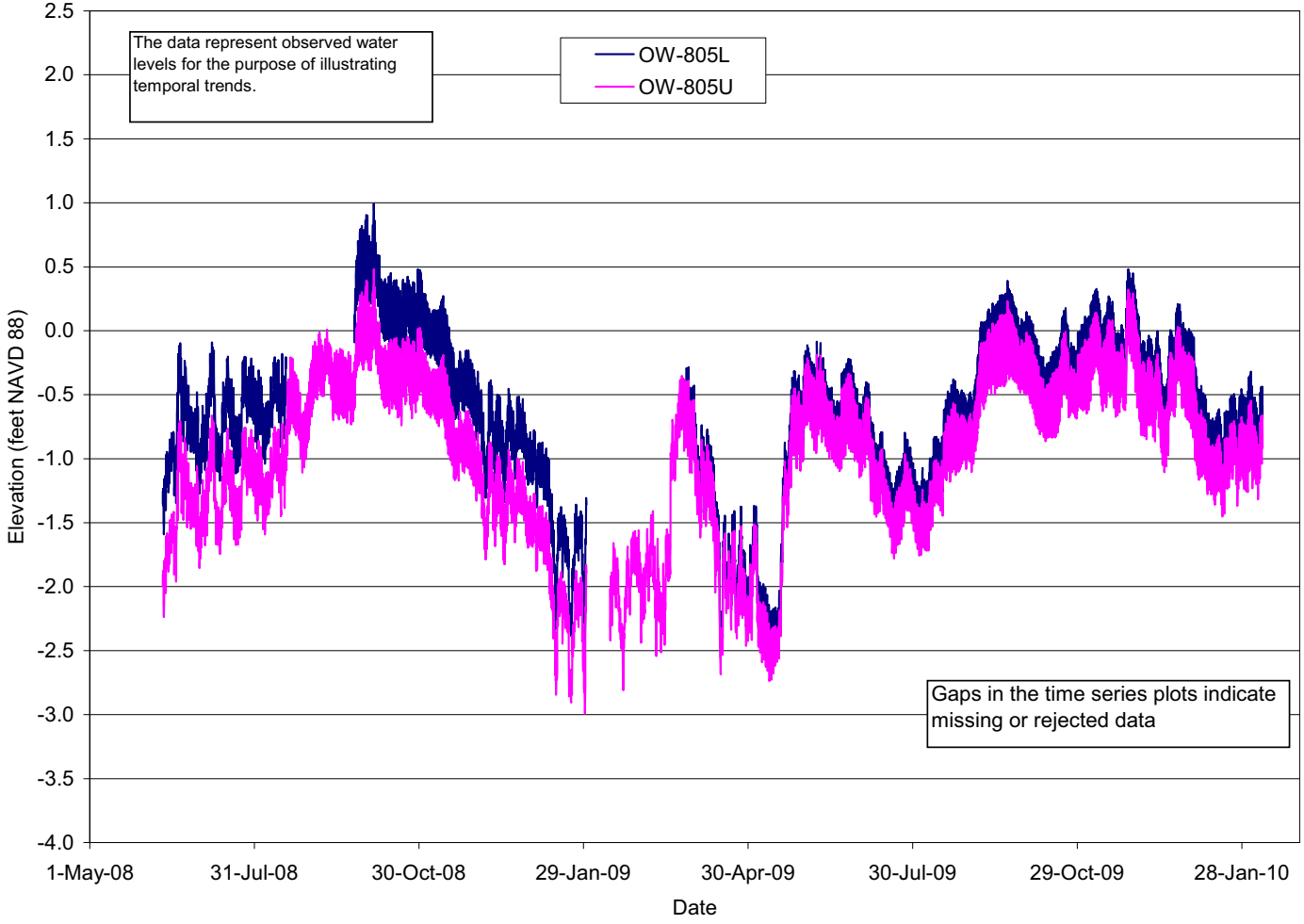
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 7 of 11)



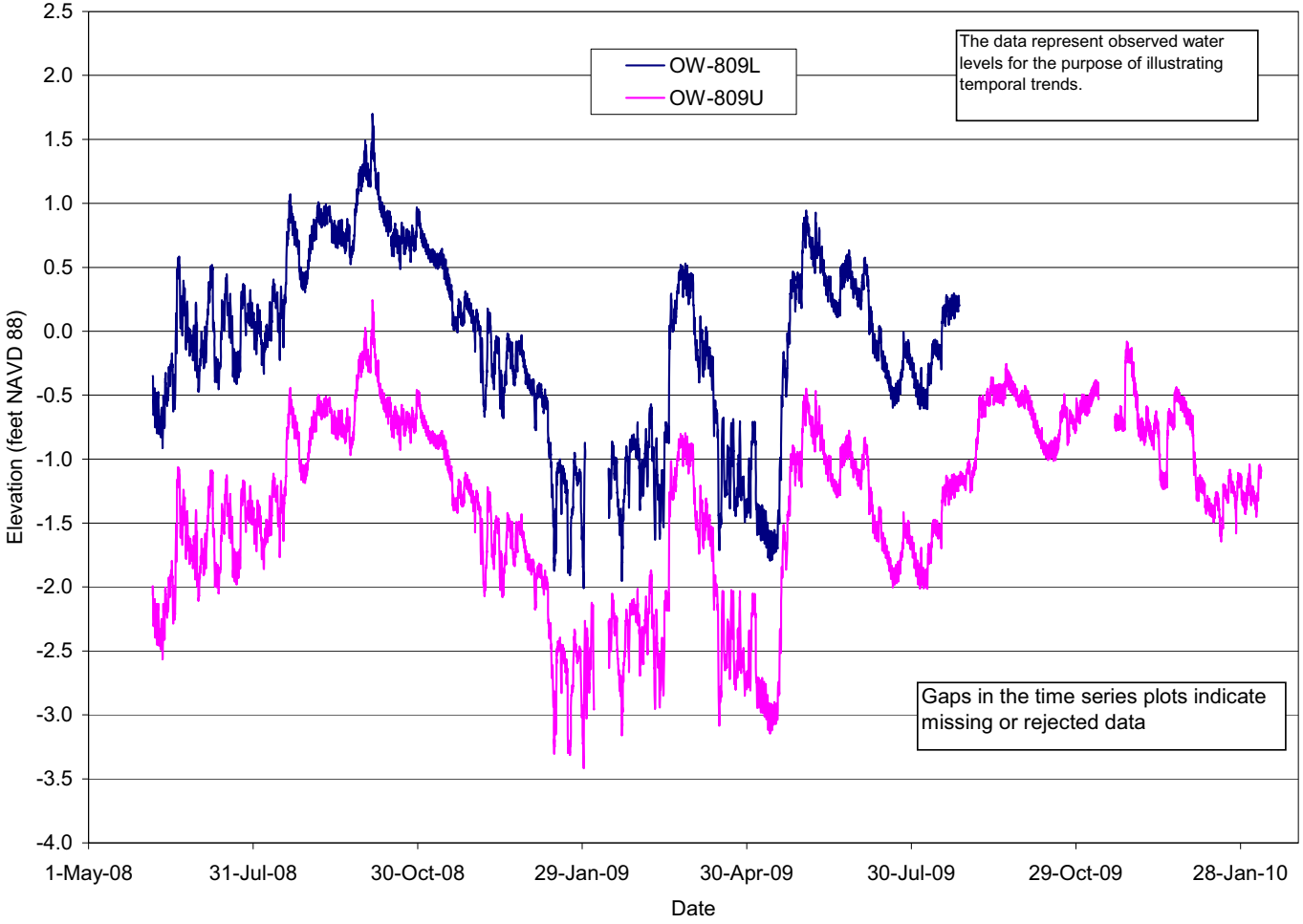
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 8 of 11)



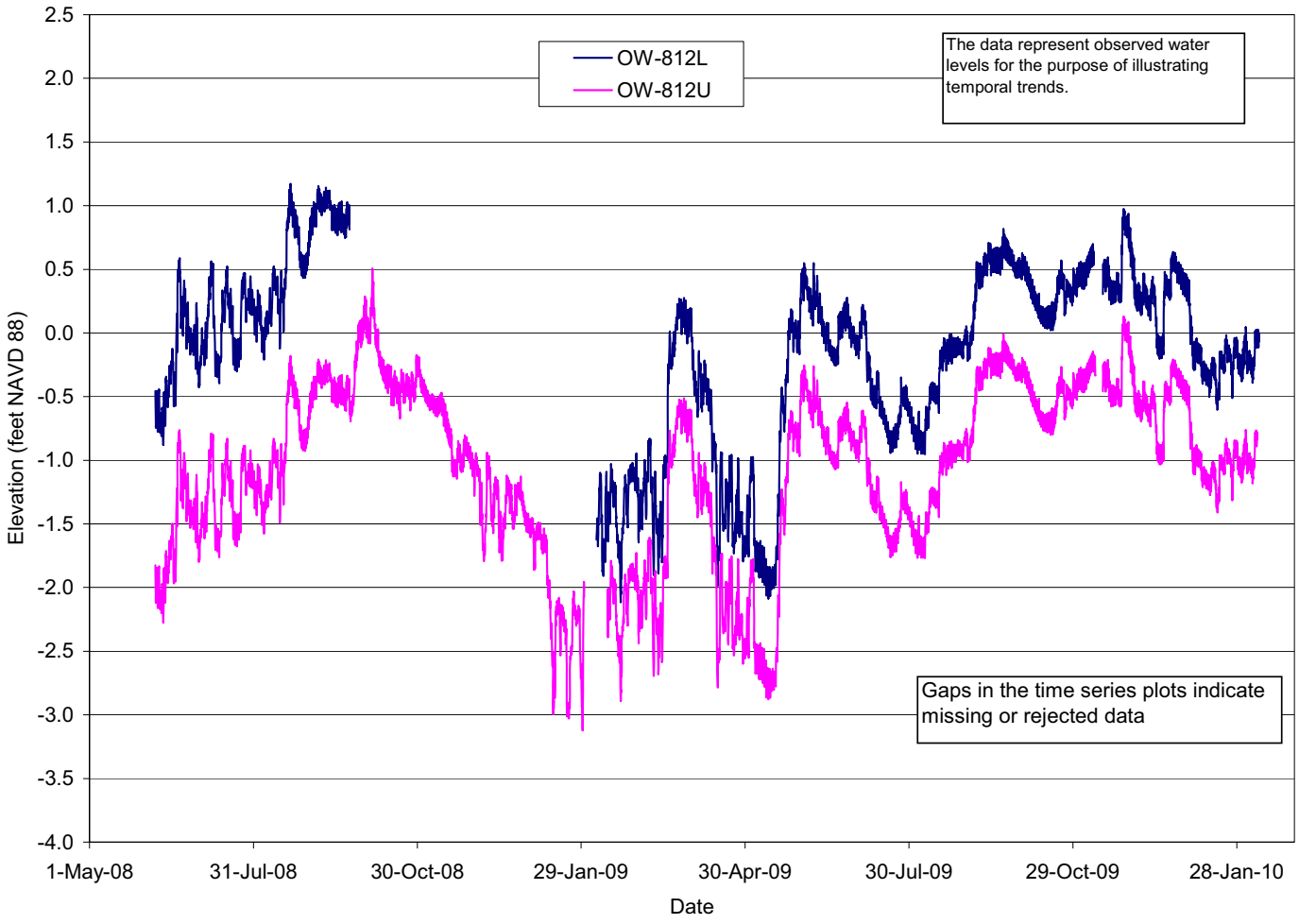
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 9 of 11)



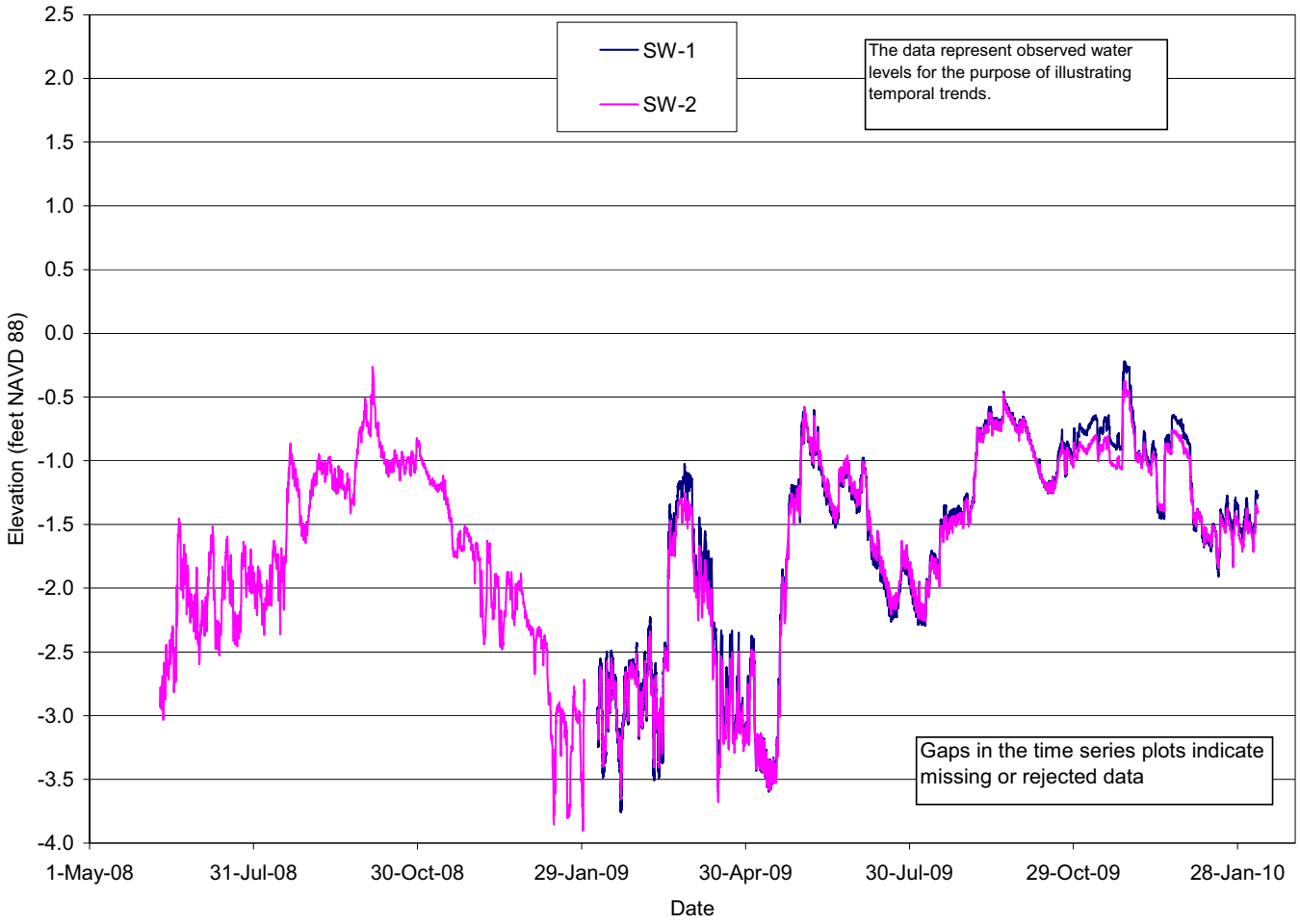
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 10 of 11)



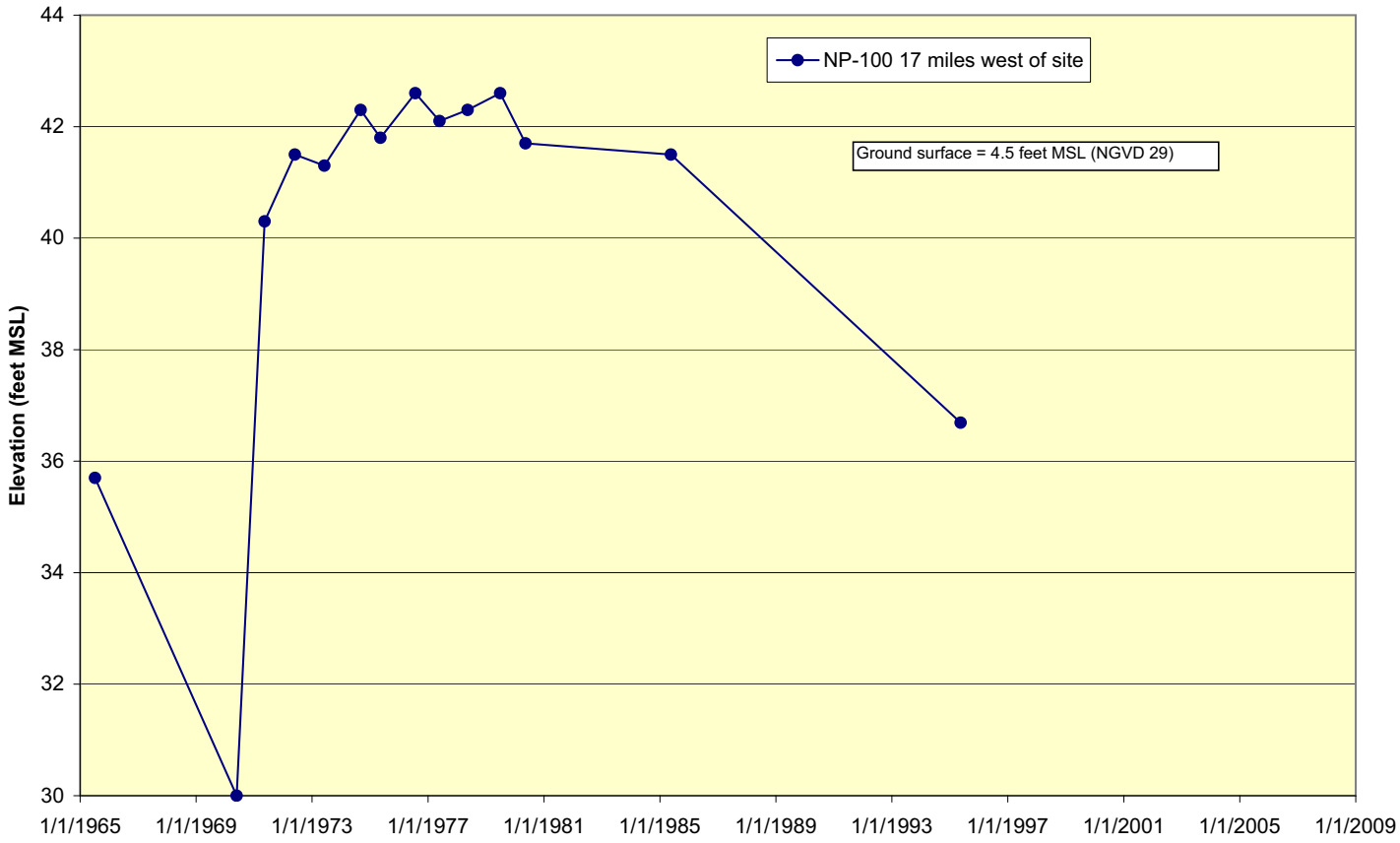
PTN COL 2.4-4

Figure 2.4.12-233 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 11 of 11)



PTN COL 2.4-4

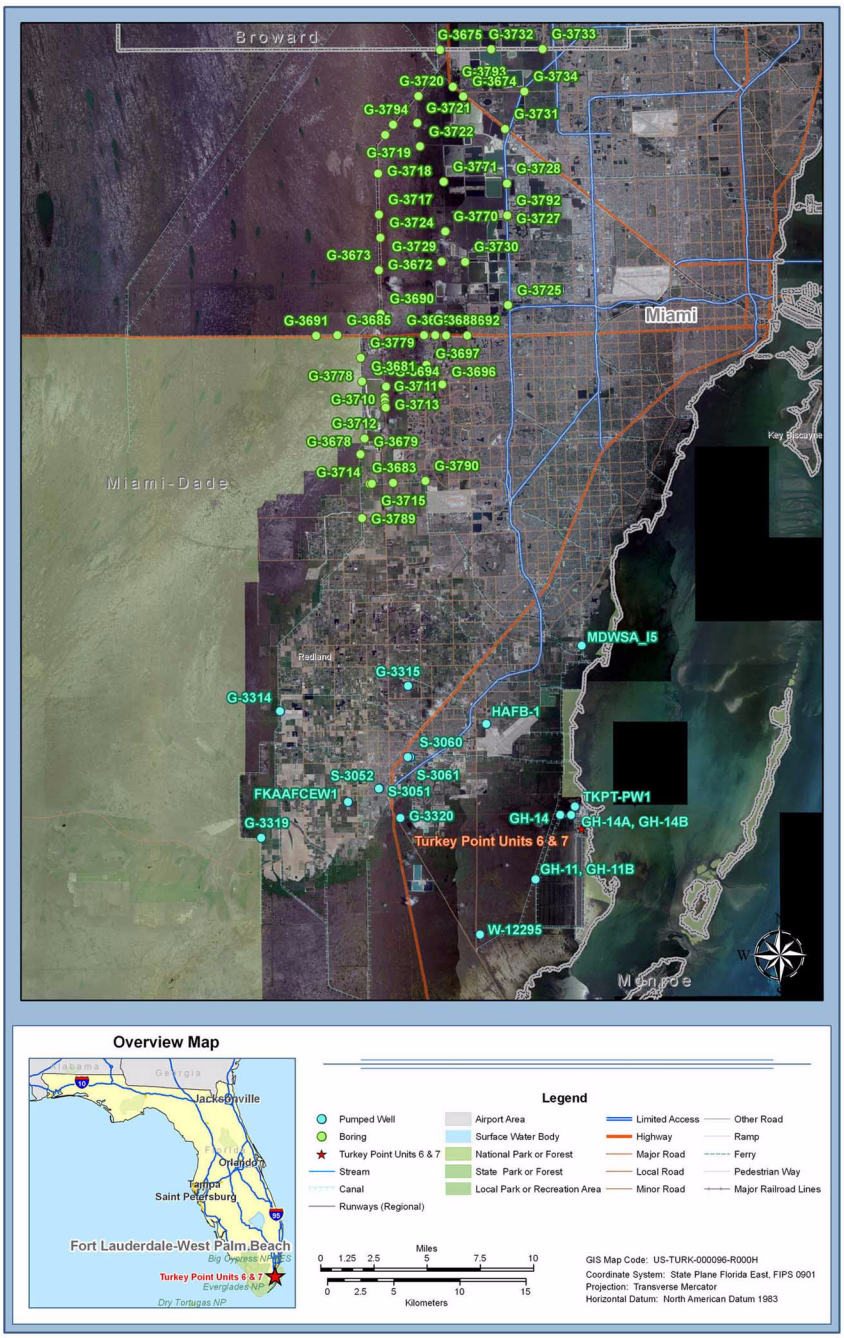
Figure 2.4.12-234 Hydrograph of U.S. Geological Survey Well in the Upper Floridan Aquifer



Source: Reference 234

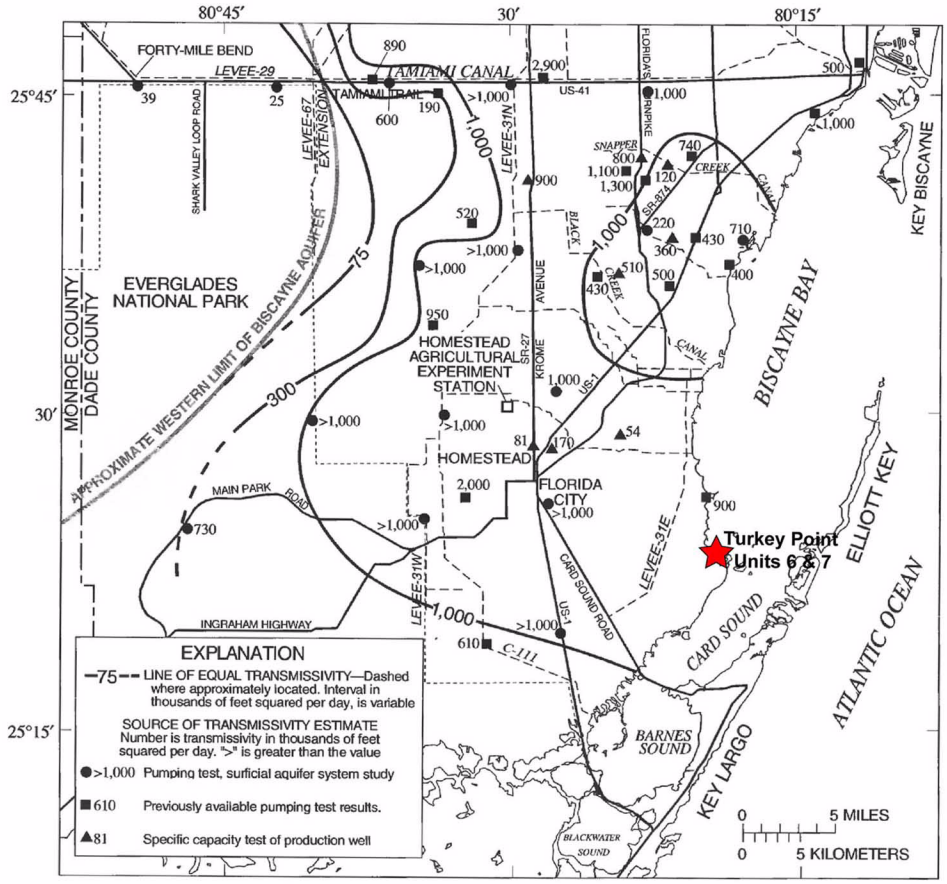
PTN COL 2.4-4

Figure 2.4.12-235 Regional Aquifer Test Locations



PTN COL 2.4-4

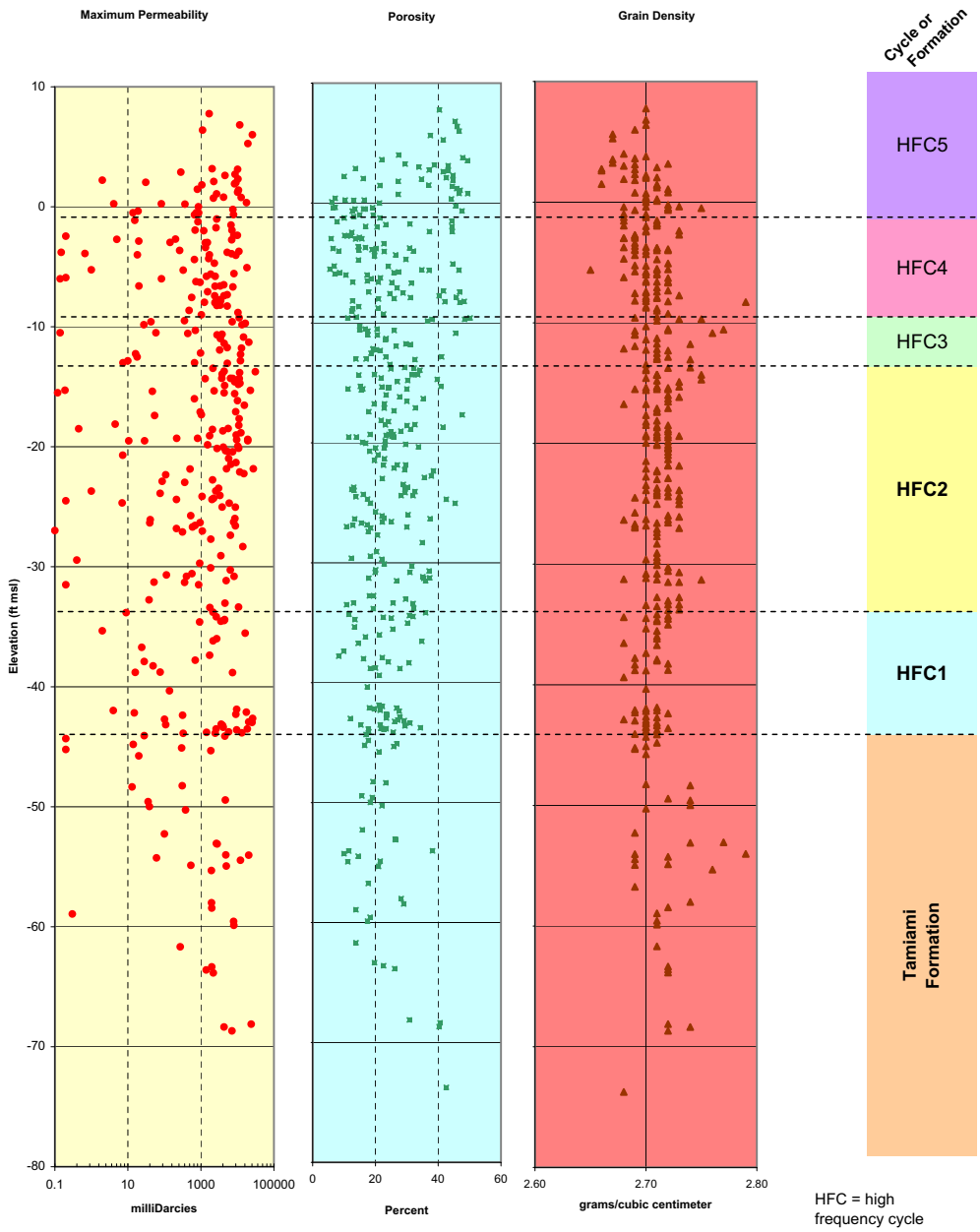
Figure 2.4.12-236 Biscayne Aquifer Regional Transmissivity



Modified from Reference 240

PTN COL 2.4-4

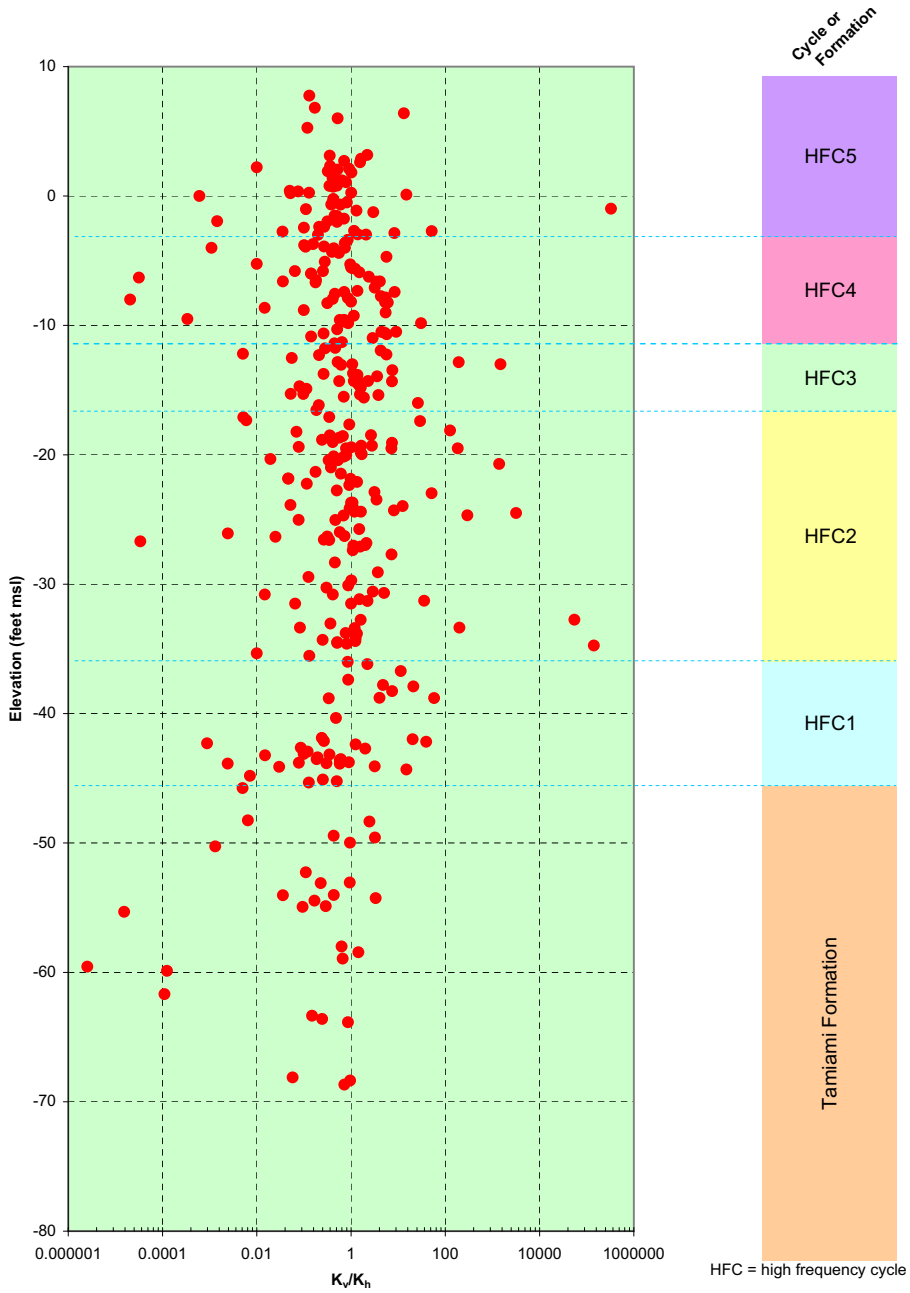
Figure 2.4.12-237 Formation Properties from Rock Core Testing



Source: Table 2.4.12-207

PTN COL 2.4-4

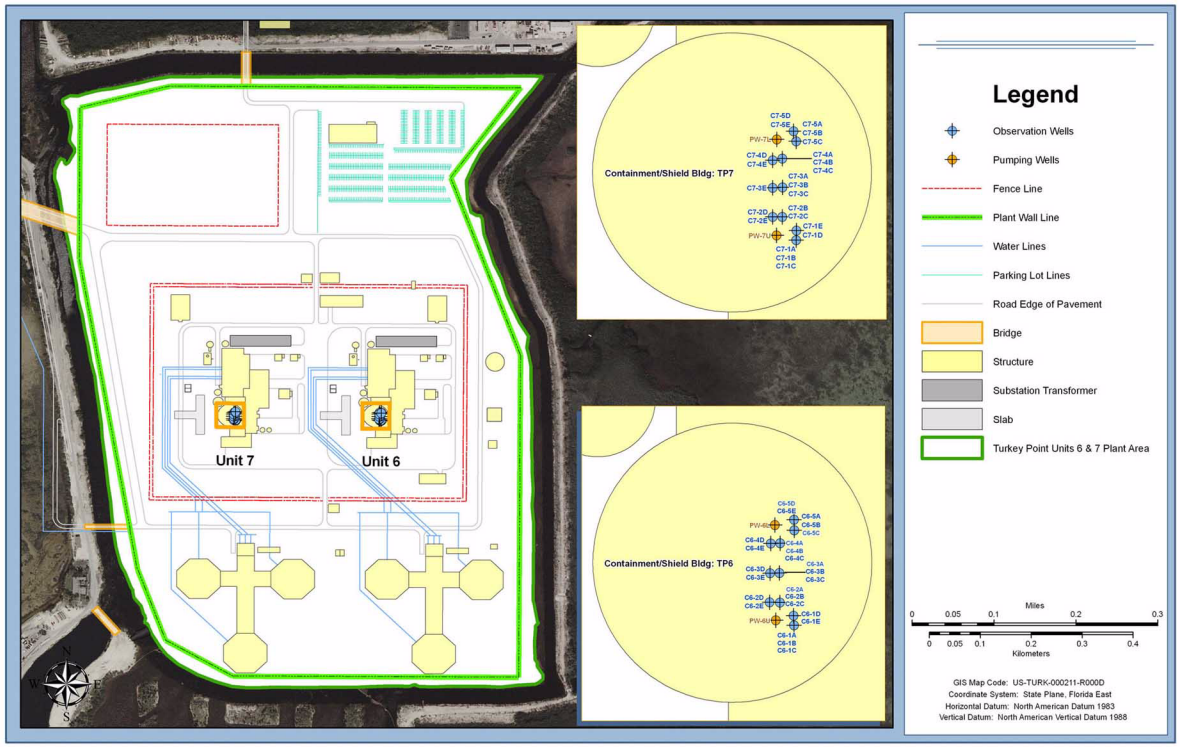
Figure 2.4.12-238 Vertical Anisotropy Ratio from Rock Core Testing



Source: Table 2.4.12-207

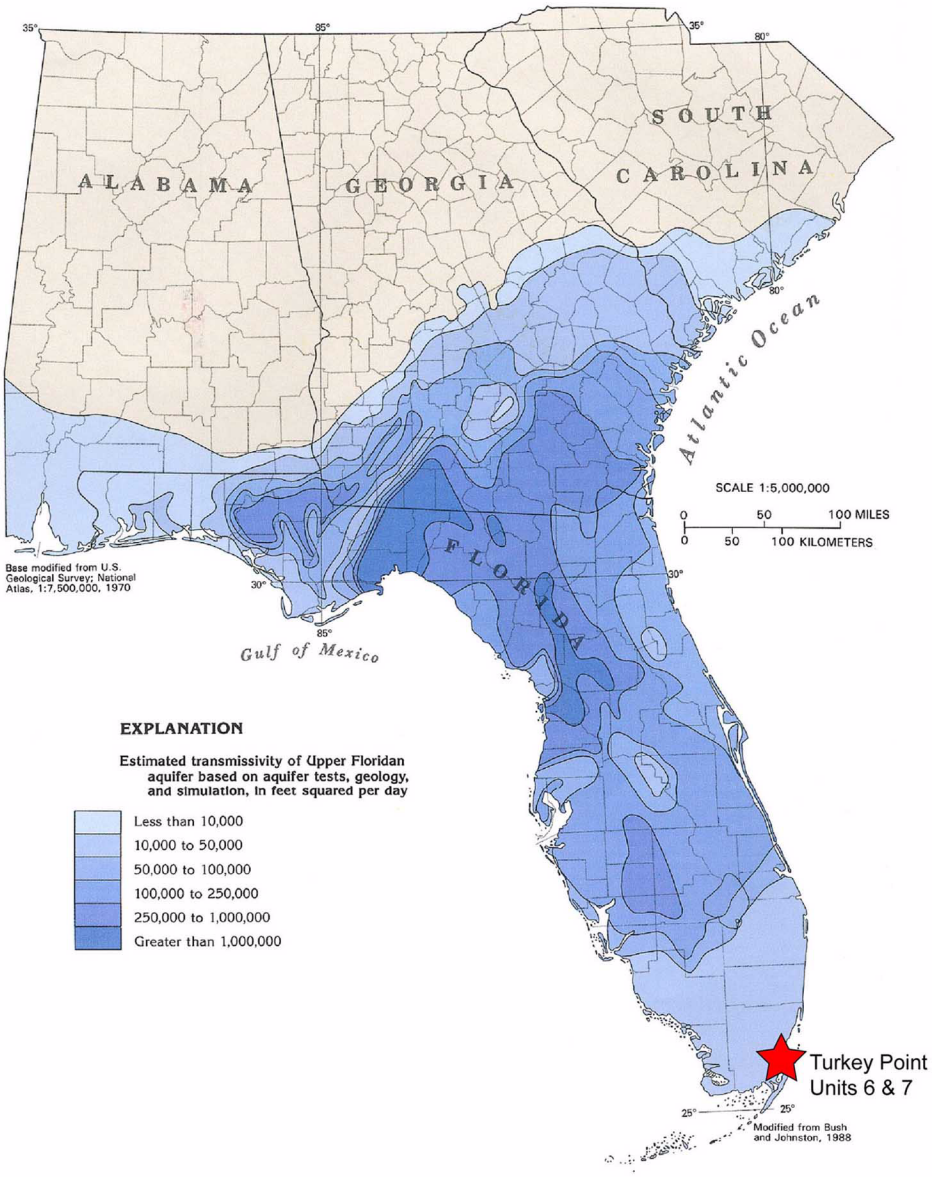
PTN COL 2.4-4

Figure 2.4.12-239 Units 6 & 7 Aquifer Pumping Test Locations



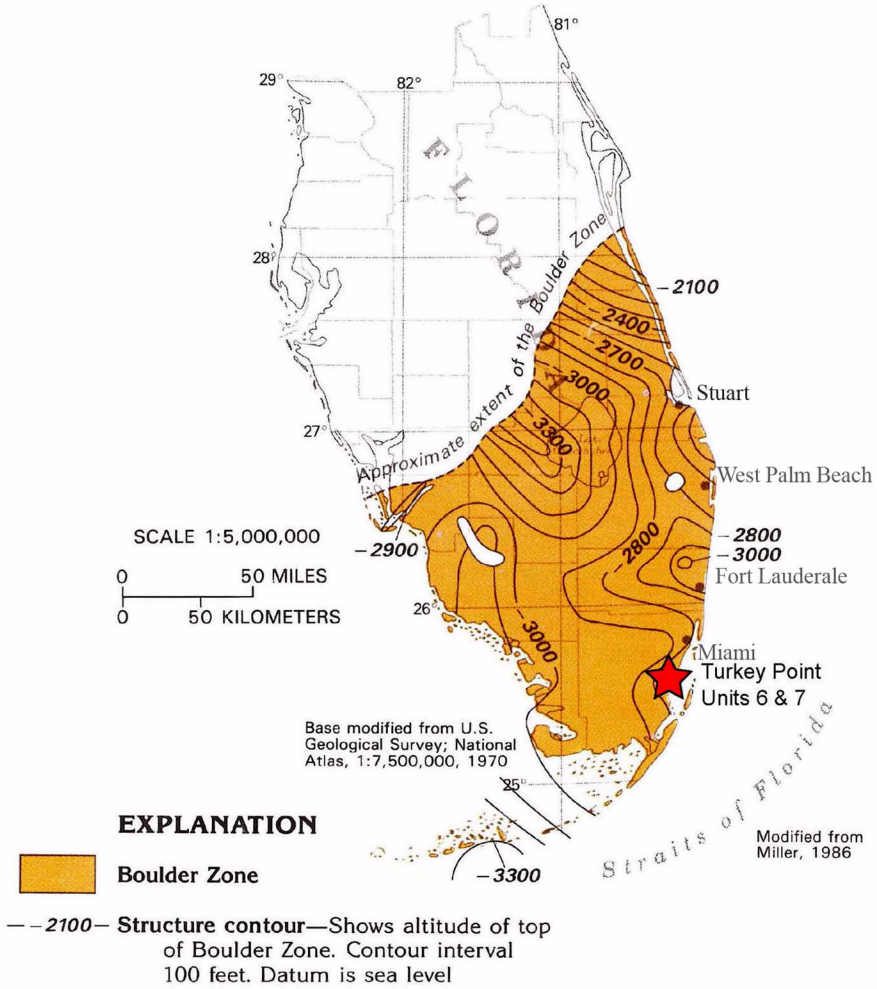
PTN COL 2.4-4

Figure 2.4.12-240 Transmissivity of the Upper Floridan Aquifer



Modified from Reference 210

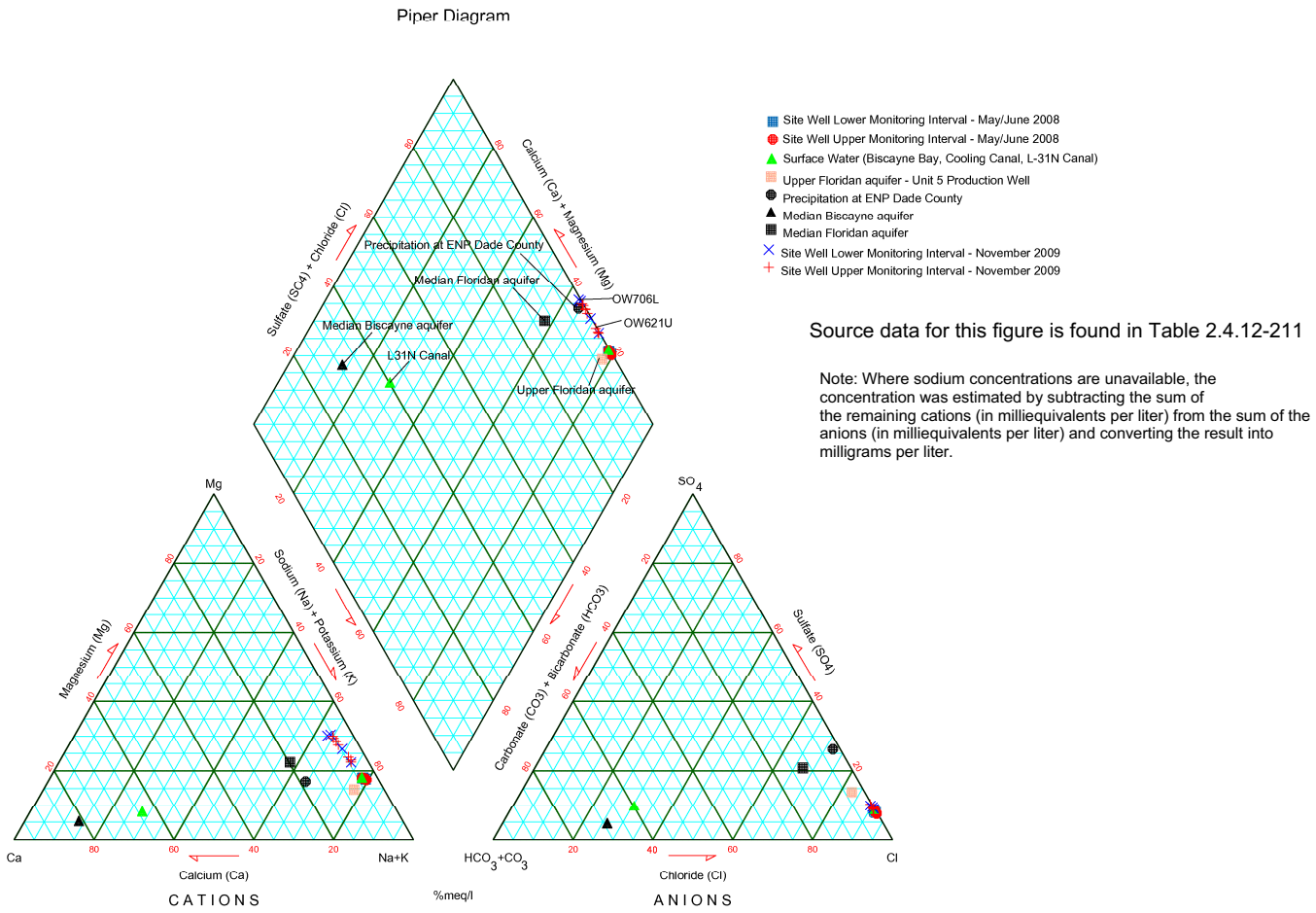
Figure 2.4.12-241 The Boulder Zone in Southern Florida



Modified from Reference 210

PTN COL 2.4-4

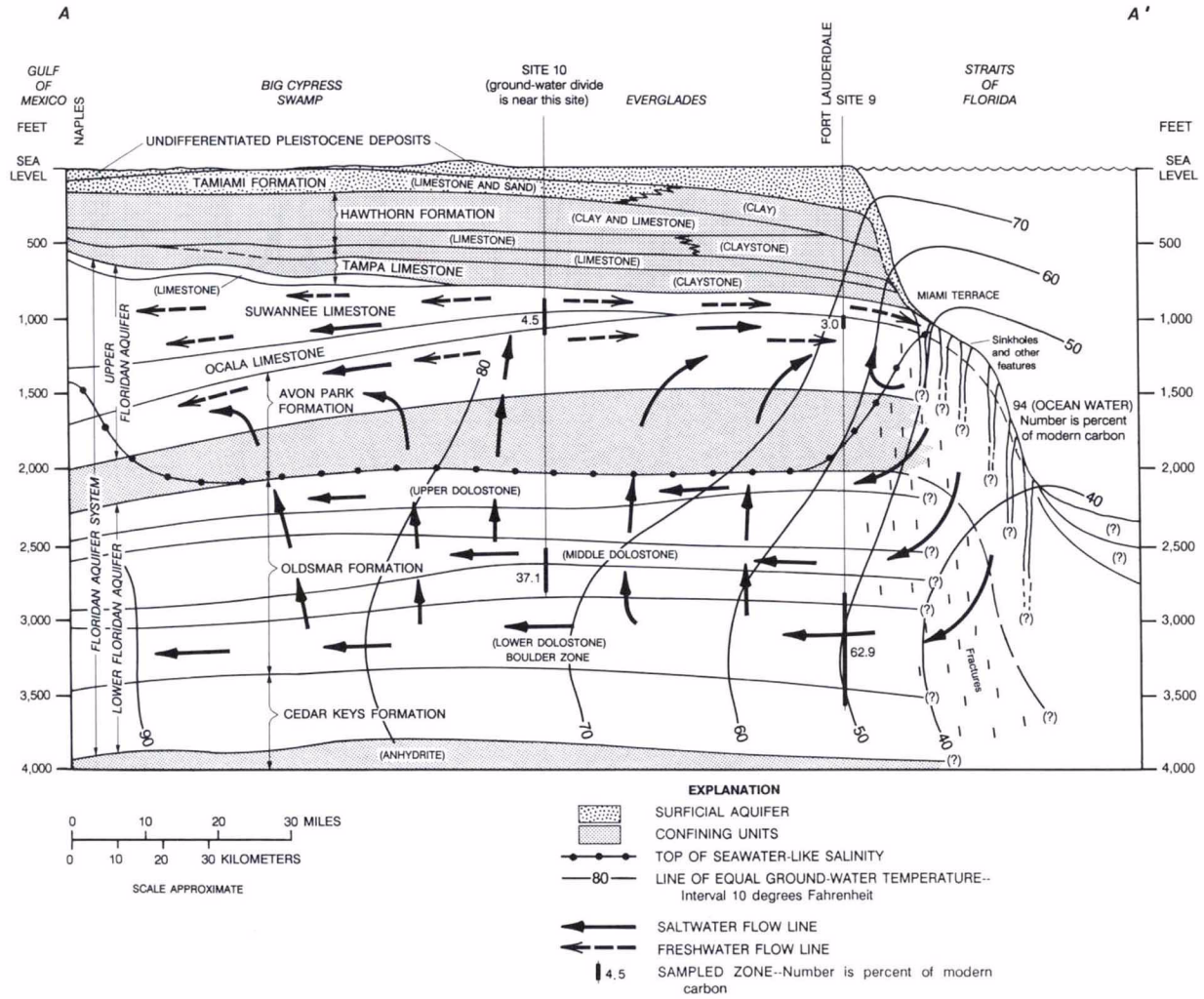
Figure 2.4.12-242 Piper Trilinear Diagram of Hydrogeochemical Samples



Source data for this figure is found in Table 2.4.12-211

Note: Where sodium concentrations are unavailable, the concentration was estimated by subtracting the sum of the remaining cations (in milliequivalents per liter) from the sum of the anions (in milliequivalents per liter) and converting the result into milligrams per liter.

Figure 2.4.12-243 Generalized Hydrogeologic Section



Source: Reference 215

Figure 2.4.12-244 Typical Injection Well System

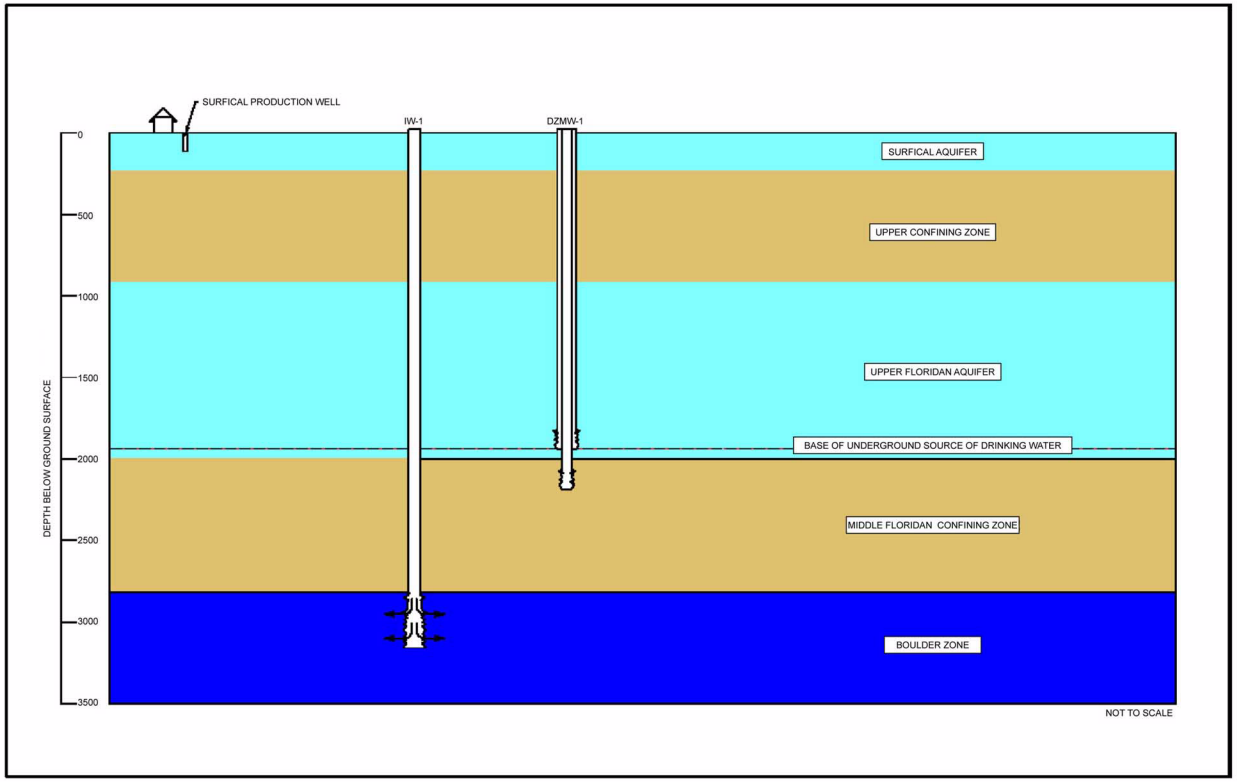
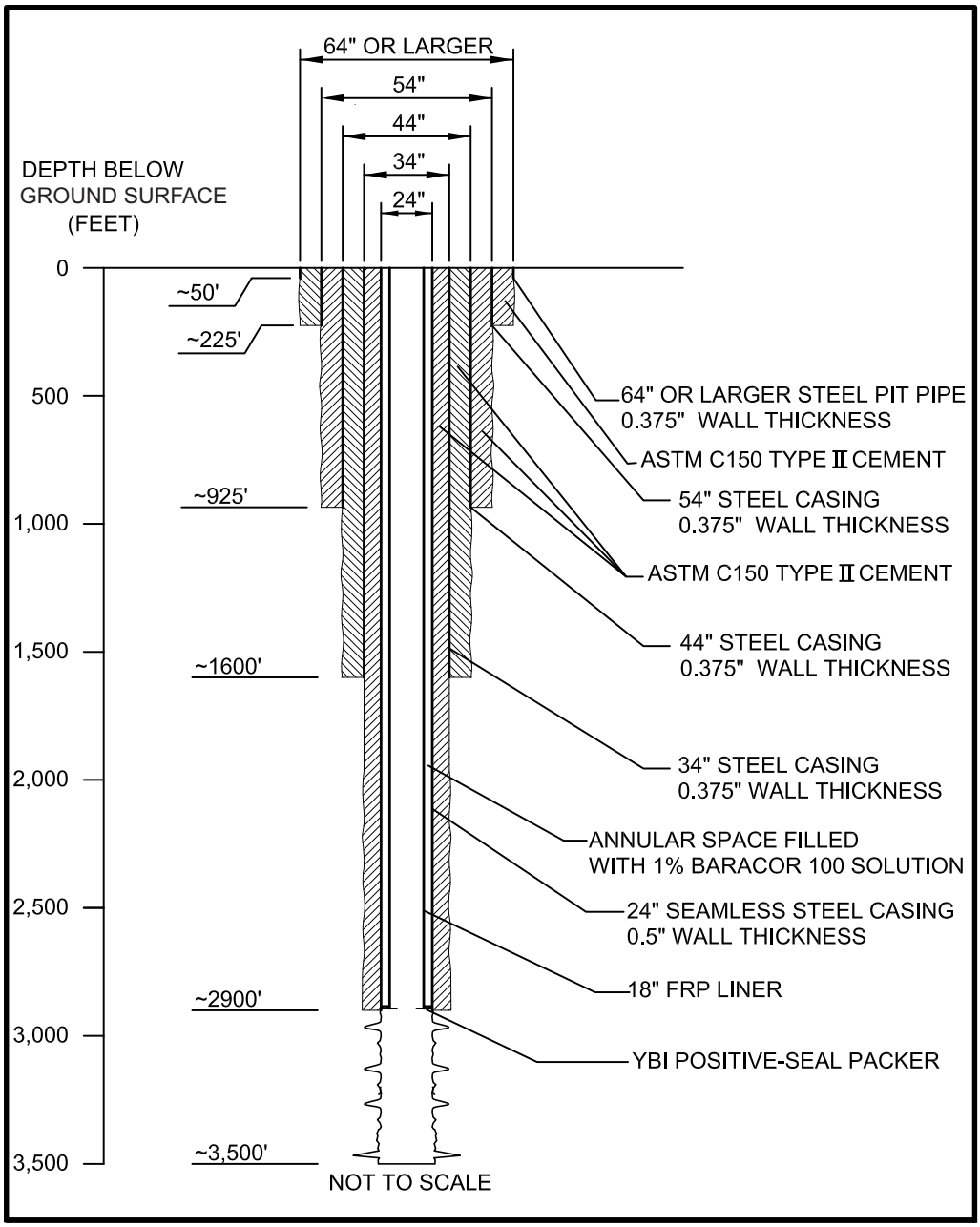
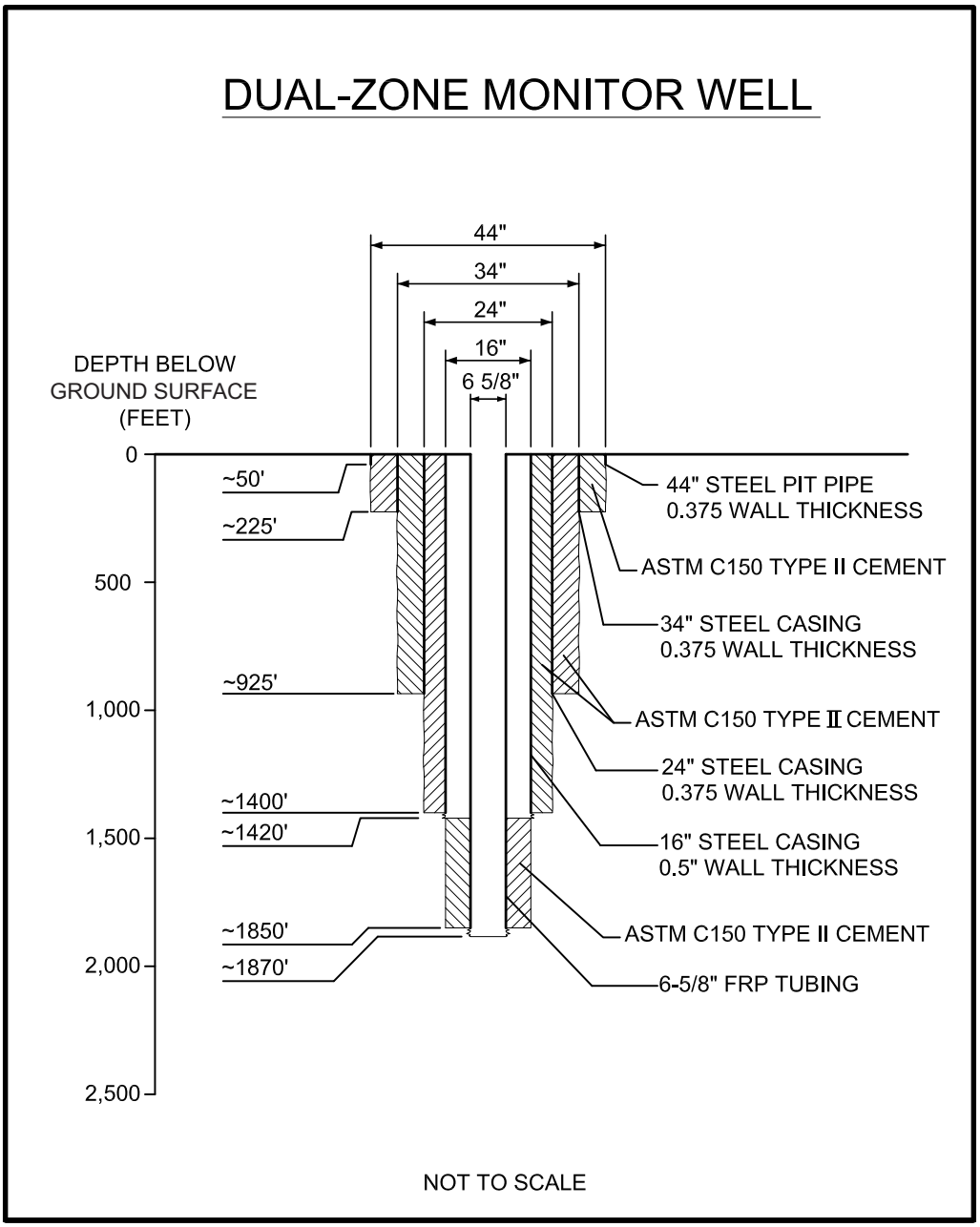


Figure 2.4.12-245 Conceptual Design of Exploratory Well EW-1



Modified from: Reference 249

Figure 2.4.12-246 Conceptual Design of Dual-Zone Monitor Well DZMW-1



Modified from: Reference 249

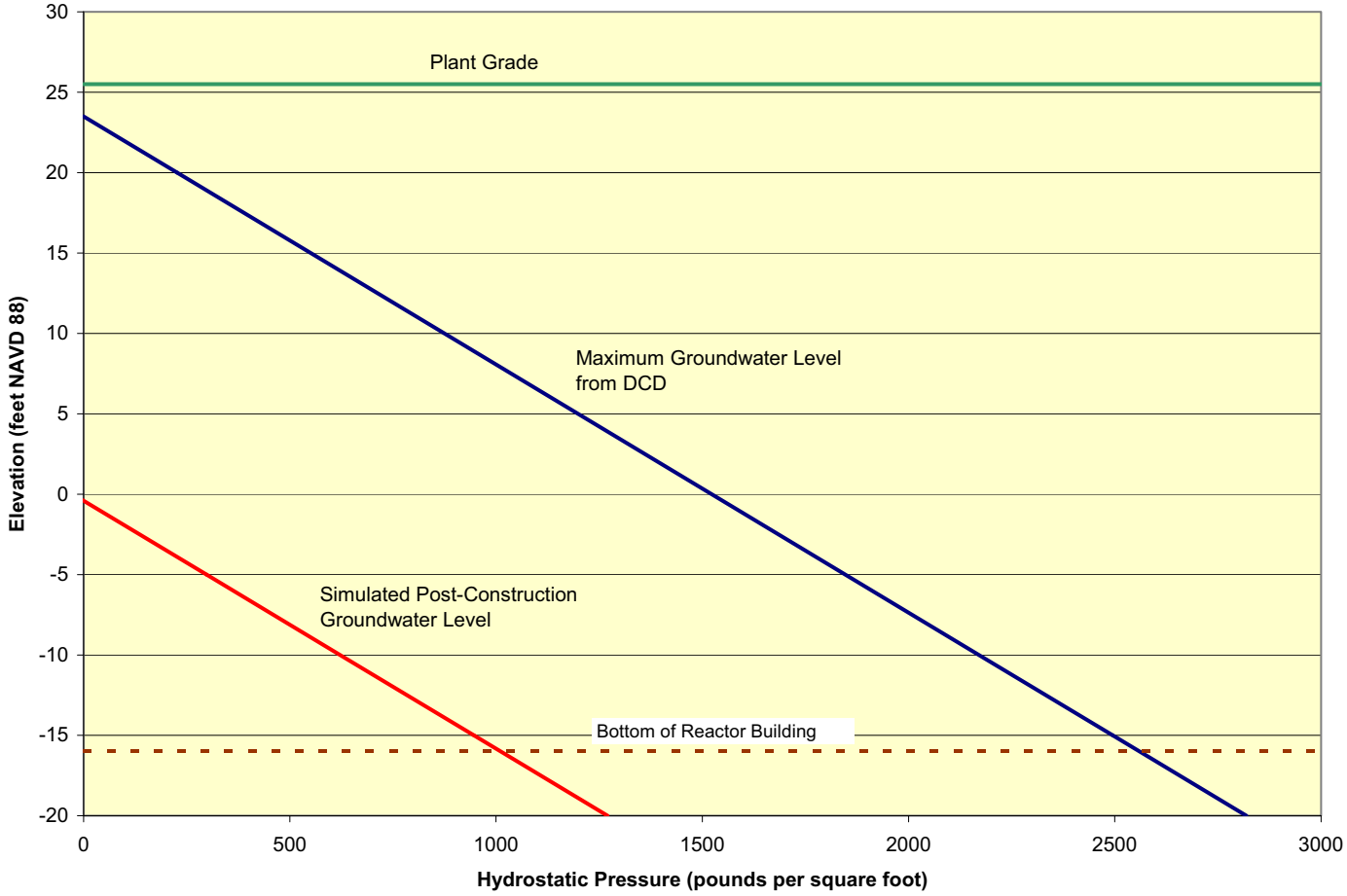



Figure 2.4.12-247 Subsurface Hydrostatic Loading