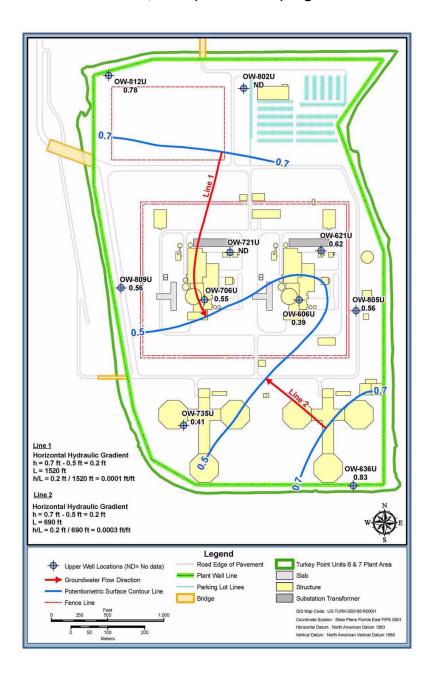
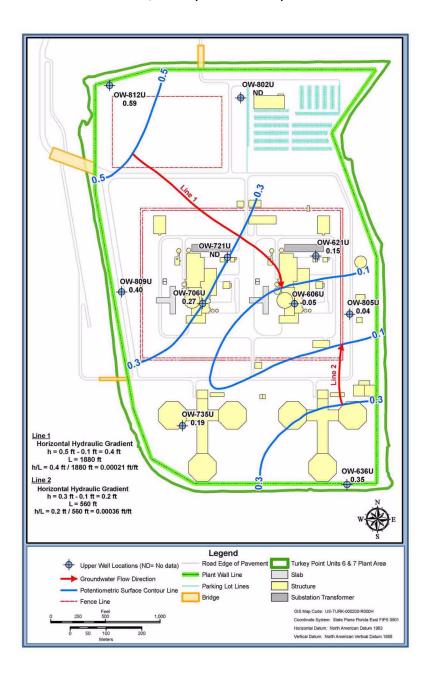
Figure 2.3-32 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, October 5, 2008 (Sheet 1 of 2) High Tide



2.3-187 Revision 1

Figure 2.3-32 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, October 5, 2008 (Sheet 2 of 2) Low Tide



2.3-188 Revision 1

Figure 2.3-33 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, October 5, 2008 (Sheet 1 of 2) High Tide



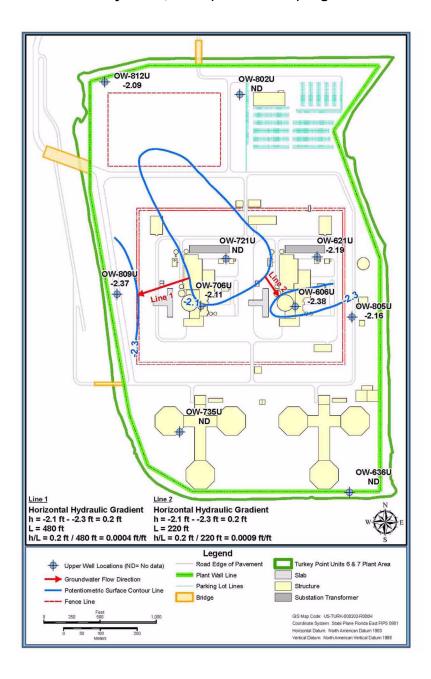
2.3-189 Revision 1

Figure 2.3-33 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, October 5, 2008 (Sheet 2 of 2) Low Tide



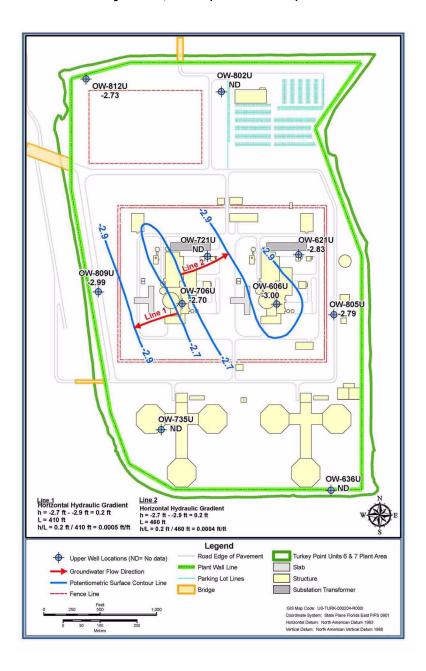
2.3-190 Revision 1

Figure 2.3-34 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, January 20-21, 2009 (Sheet 1 of 2) High Tide



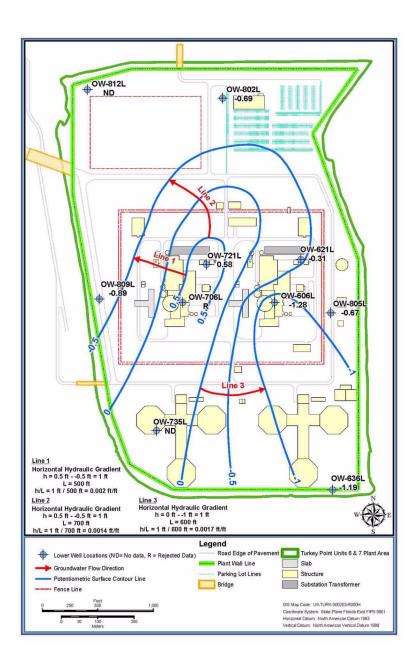
2.3-191 Revision 1

Figure 2.3-34 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, January 20-21, 2009 (Sheet 2 of 2) Low Tide



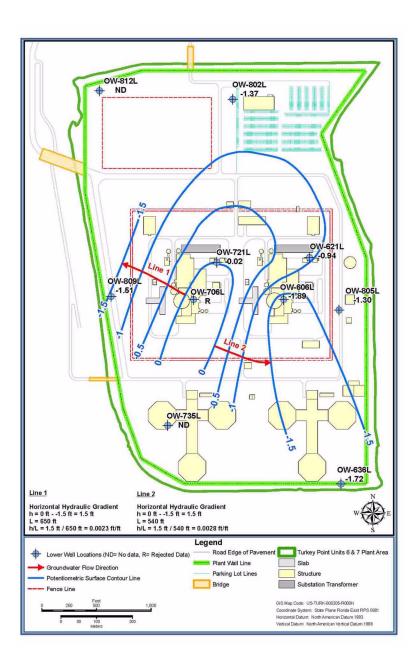
2.3-192 Revision 1

Figure 2.3-35 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, January 20-21, 2009 (Sheet 1 of 2) High Tide



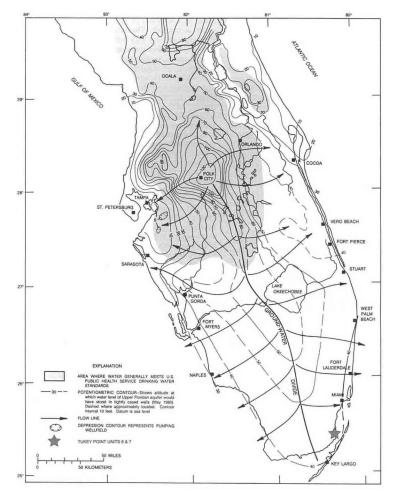
2.3-193 Revision 1

Figure 2.3-35 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, January 20-21, 2009 (Sheet 2 of 2) Low Tide



2.3-194 Revision 1

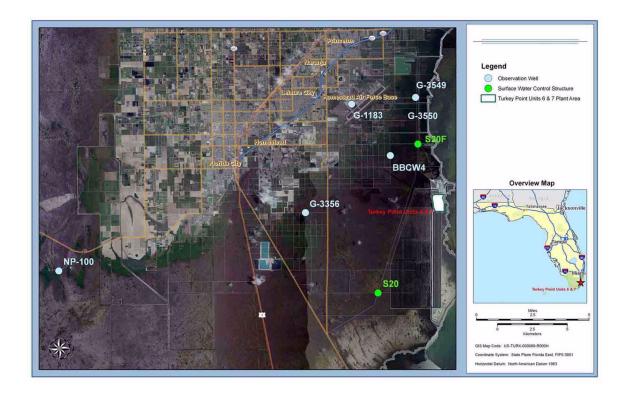
Figure 2.3-36 May 1980 Upper Floridan Aquifer Potentiometric Surface Map



Modified from Meyer 1989

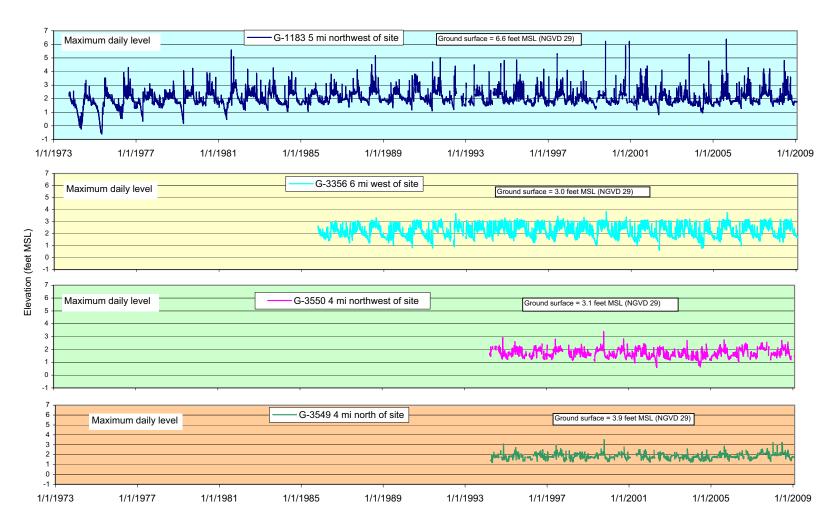
2.3-195 Revision 1

Figure 2.3-37 Observation Wells and Surface Water Monitoring Locations in the Vicinity of the Turkey Point Plant Property



2.3-196 Revision 1

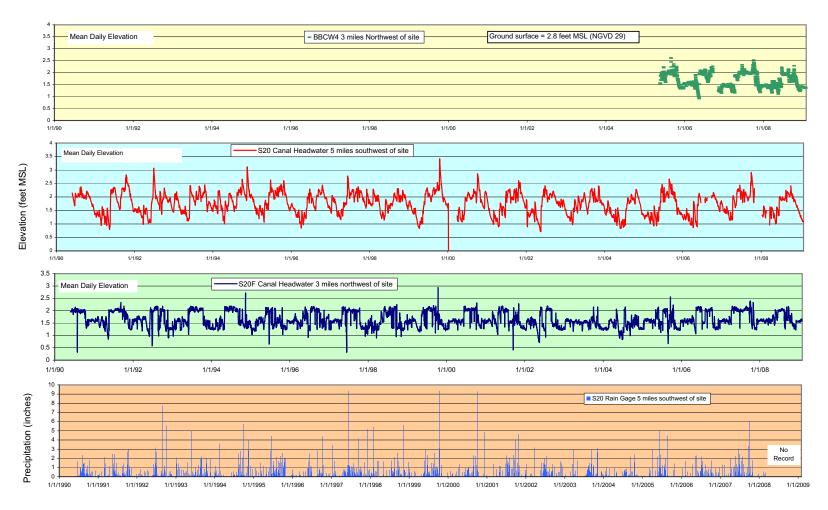
Figure 2.3-38 Hydrographs of U.S. Geological Survey Wells in the Biscayne Aquifer



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

2.3-197 Revision 1

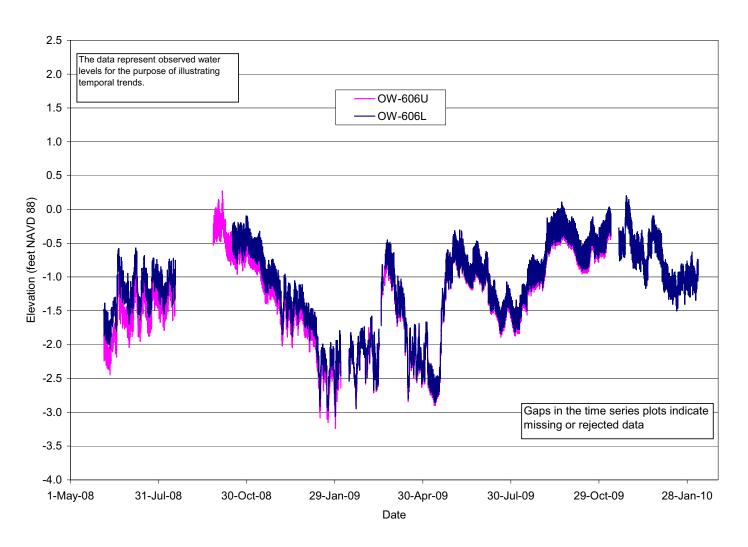
Figure 2.3-39 Hydrographs of South Florida Water Management District Well and Canal Levels and Precipitation



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

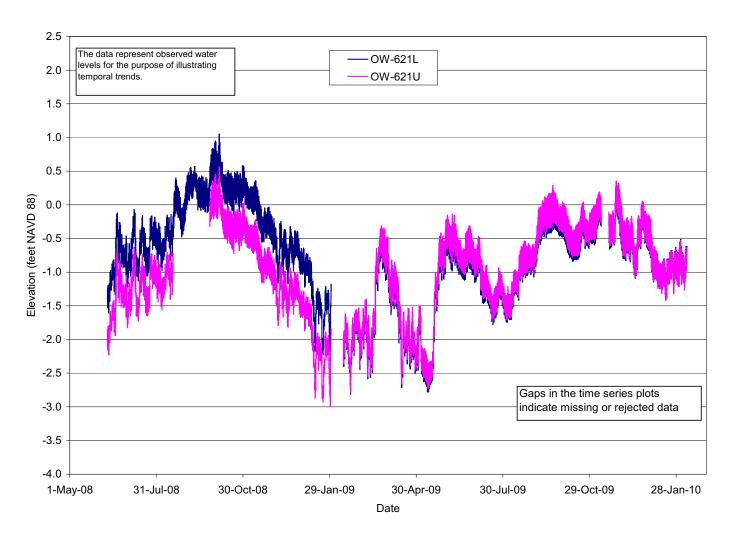
2.3-198 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 1 of 11)



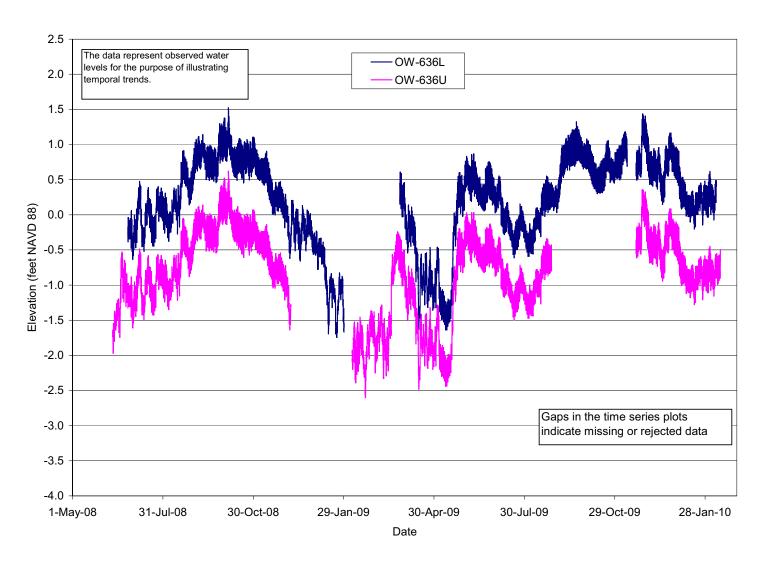
2.3-199 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 2 of 11)



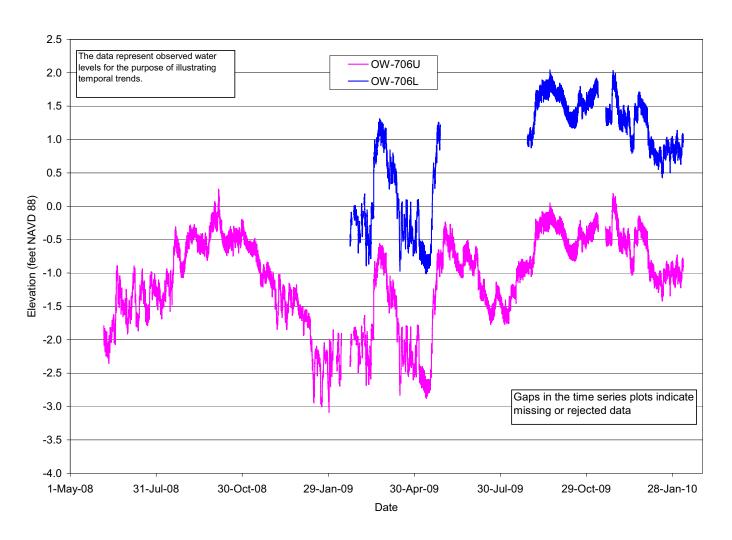
2.3-200 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 3 of 11)



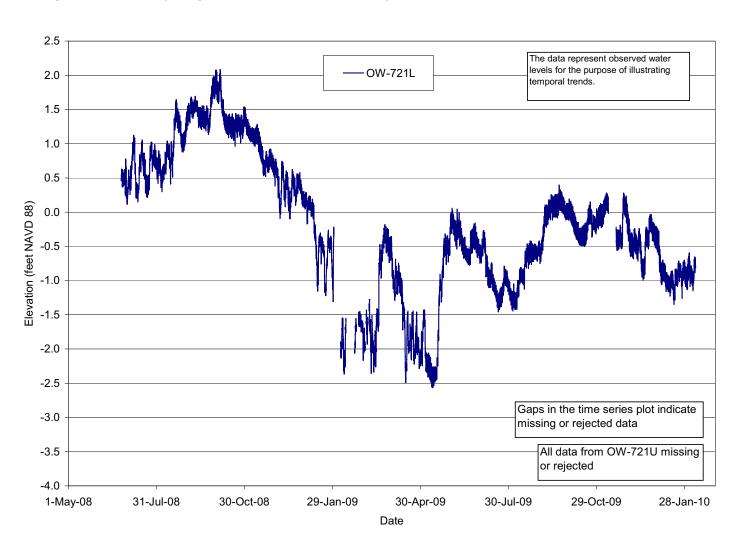
2.3-201 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 4 of 11)



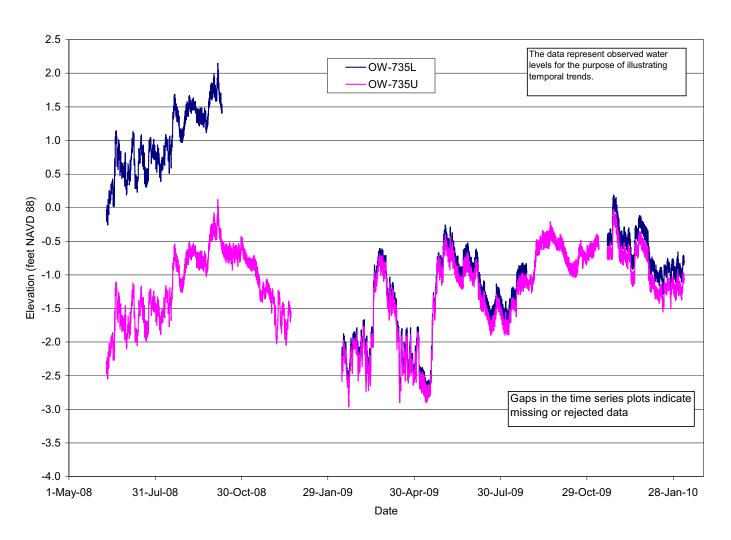
2.3-202 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 5 of 11)



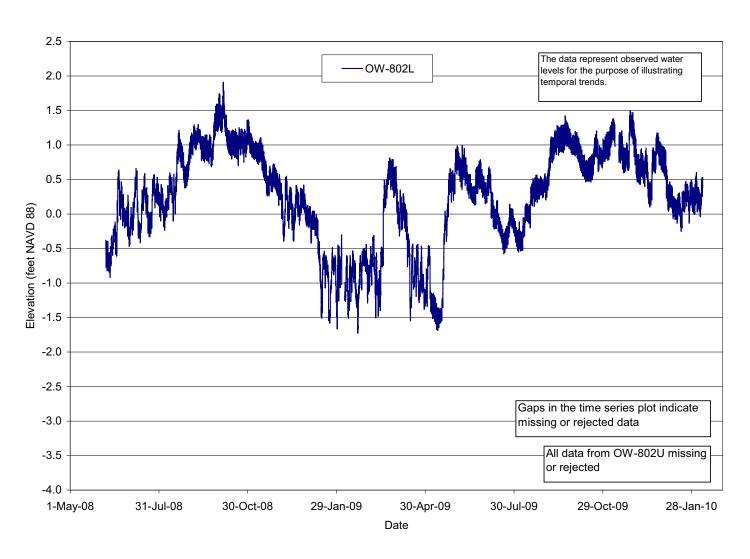
2.3-203 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 6 of 11)



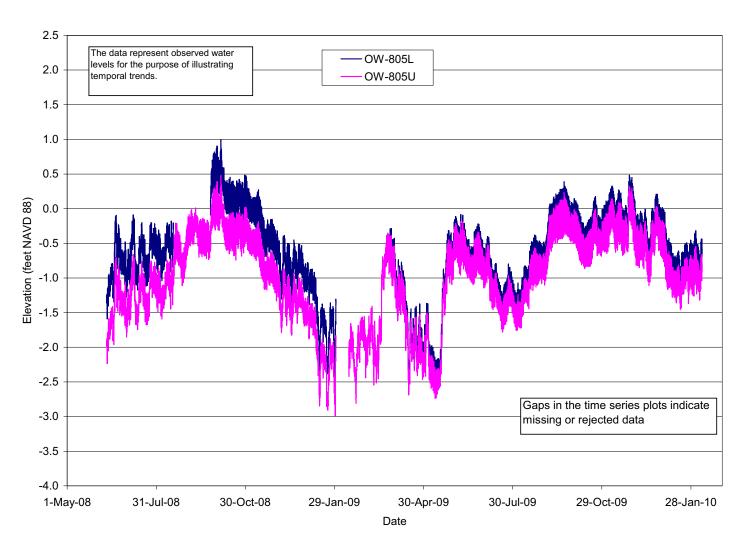
2.3-204 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 7 of 11)



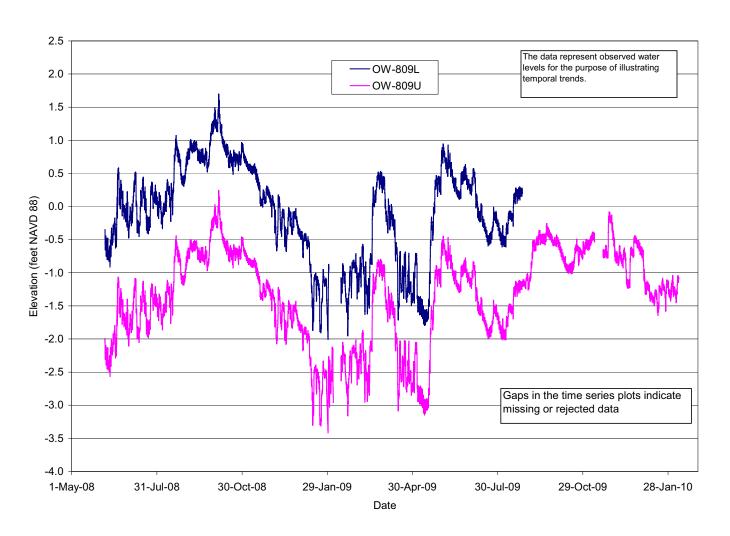
2.3-205 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 8 of 11)



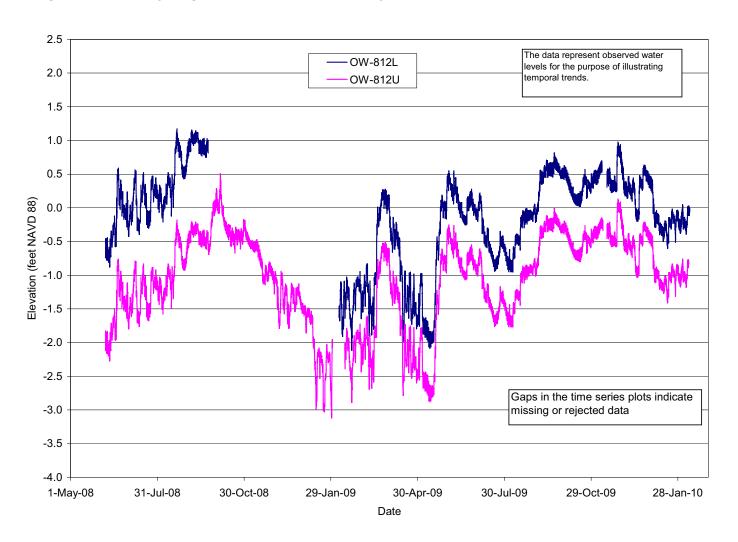
2.3-206 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 9 of 11)



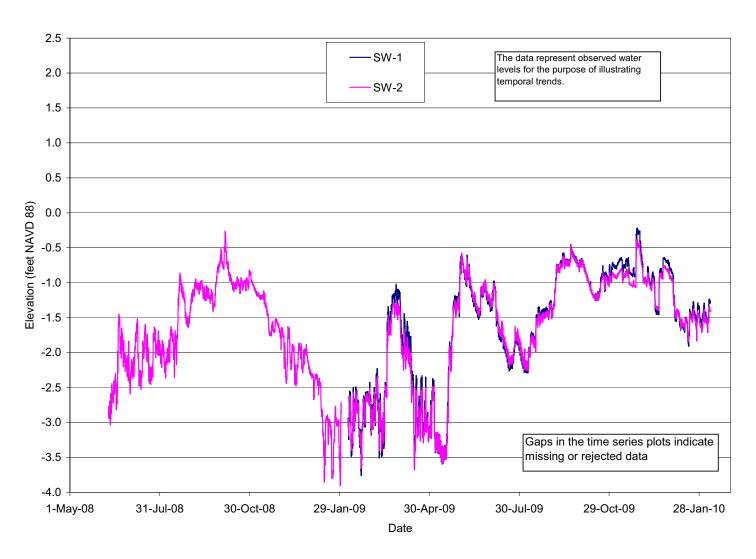
2.3-207 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 10 of 11)



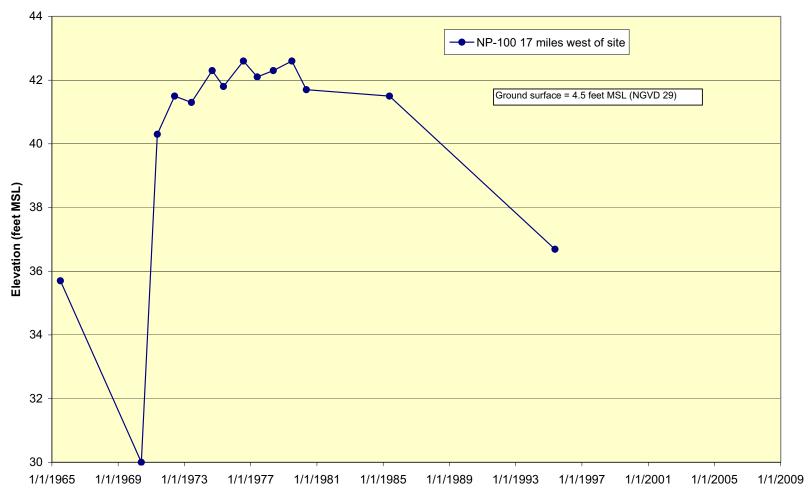
2.3-208 Revision 1

Figure 2.3-40 Hydrographs of Units 6 & 7 Biscayne Aquifer Observation Wells (Sheet 11 of 11)



2.3-209 Revision 1

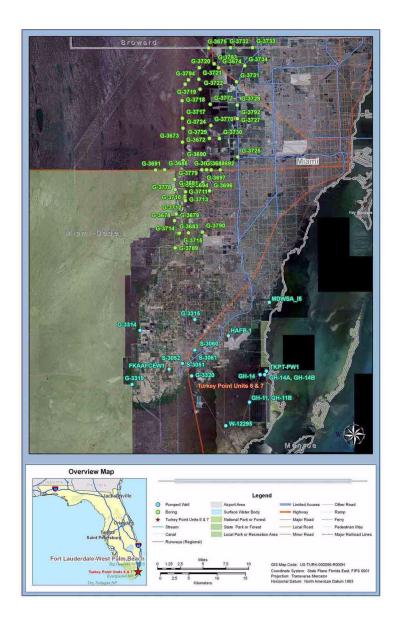
Figure 2.3-41 Hydrograph of US Geological Survey Well in the Upper Floridan Aquifer



Reference USGS 2008

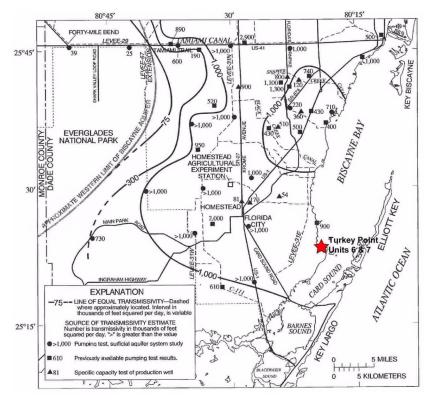
2.3-210 Revision 1

Figure 2.3-42 Regional Aquifer Test Locations



2.3-211 Revision 1

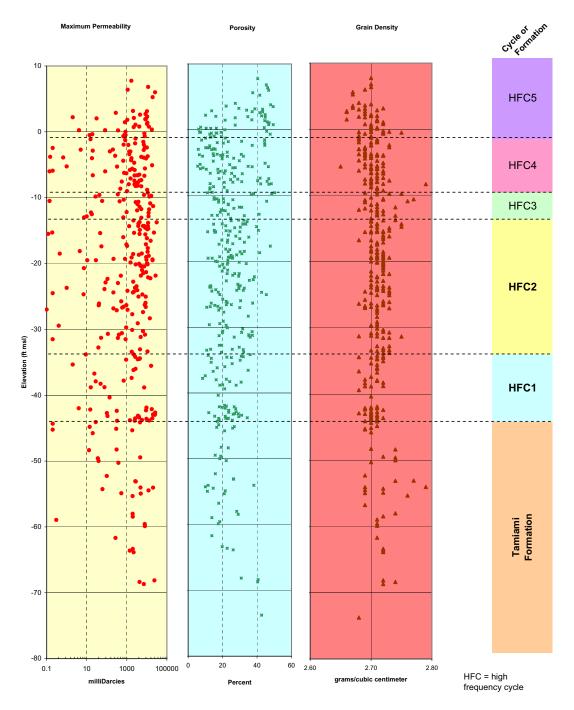
Figure 2.3-43 Biscayne Aquifer Regional Transmissivity



Modified from Merritt 1976

2.3-212 Revision 1

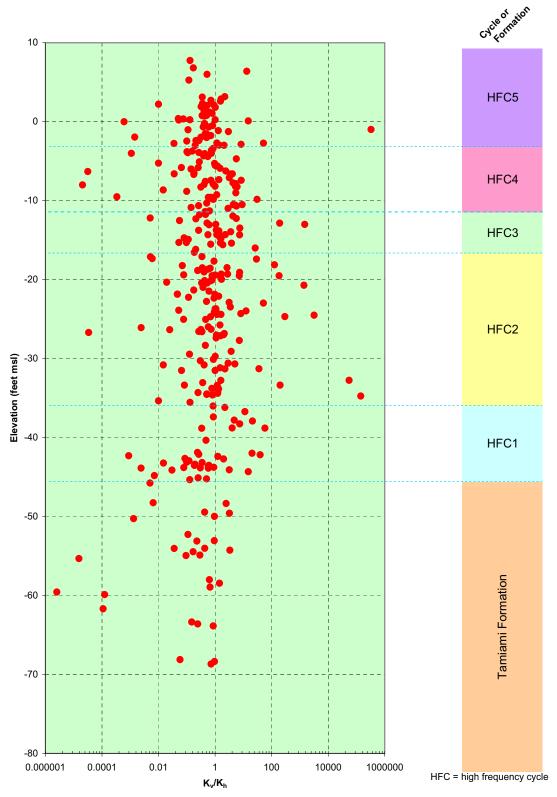
Figure 2.3-44 Formation Properties from Rock Core Testing



Data Source Table 2.3-18

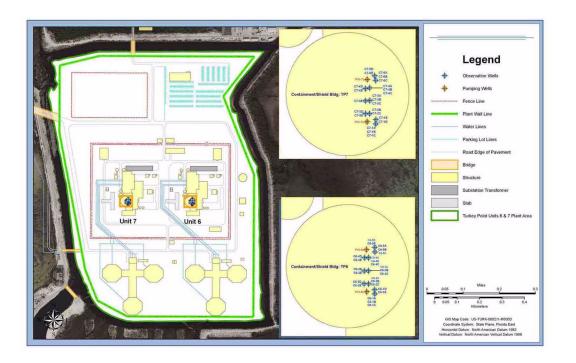
2.3-213 Revision 1

Figure 2.3-45 Vertical Anisotropy Ratio from Rock Core Testing



Data Source Table 2.3-18

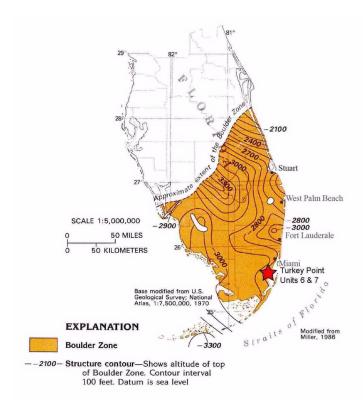
Figure 2.3-46 Aquifer Pumping Test Location Plan



2.3-215 Revision 1

Turkey Point Units 6 & 7 COL Application Part 3 — Environmental Report

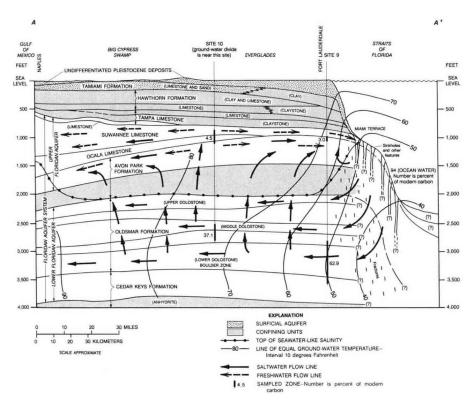
Figure 2.3-47 The Boulder Zone in Southern Florida



2.3-216 Revision 1

Turkey Point Units 6 & 7 COL Application Part 3 — Environmental Report

Figure 2.3-48 Generalized Hydrogeologic Section

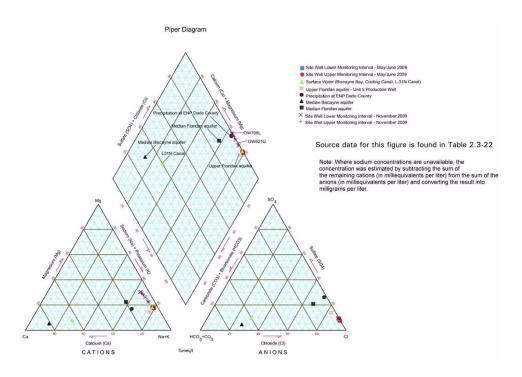


Source: Meyer 1989

2.3-217 Revision 1

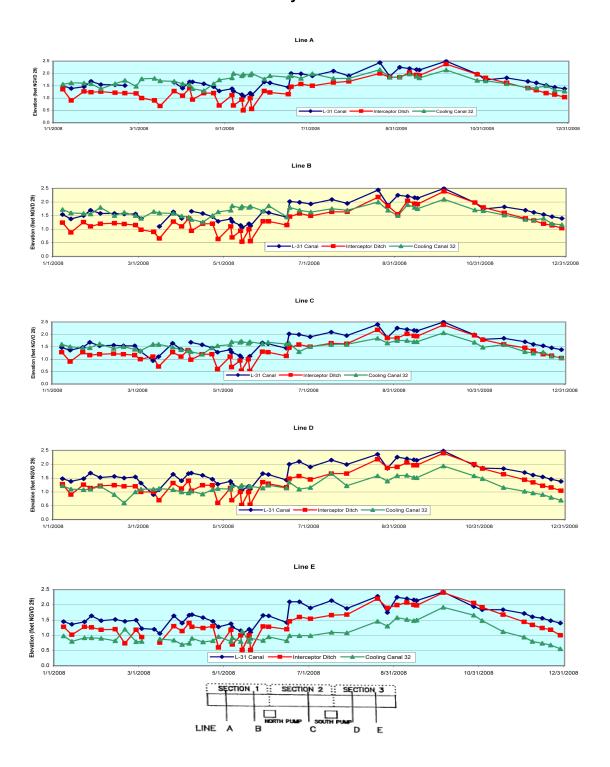
Turkey Point Units 6 & 7 COL Application Part 3 — Environmental Report

Figure 2.3-49 Piper Trilinear Diagram of Hydrogeochemical Samples



2.3-218 Revision 1

Figure 2.3-50 Hydrographs of L-31E Canal, Interceptor Ditch, and Industrial Wastewater Facility Canal 32



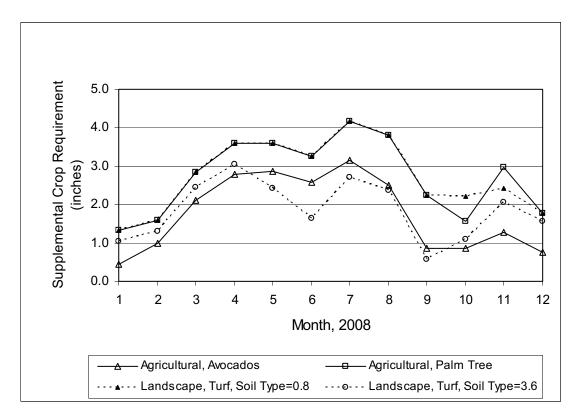
2.3-219 Revision 1

Figure 2.3-51 Location of Consumptive Surface Water Users within a 10-Mile Radius



2.3-220 Revision 1

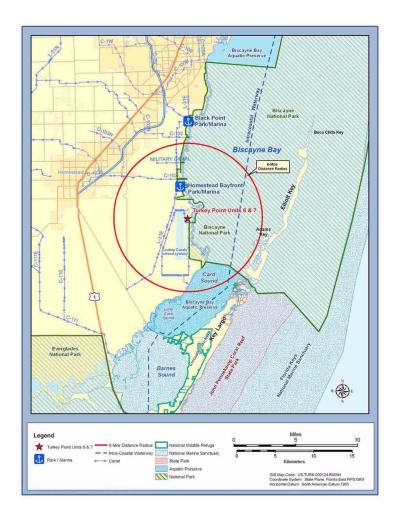
Figure 2.3-52 Estimated Monthly Surface Water Withdrawal for Agricultural and Landscape Irrigation



Source: SFWMD 2008c (Permit Nos. 13-04030-W, 13-03793-W, 13-04416-W, 13-04010-W)

2.3-221 Revision 1

Figure 2.3-53 Location of Nonconsumptive Surface Water Users within a 6-Mile Radius



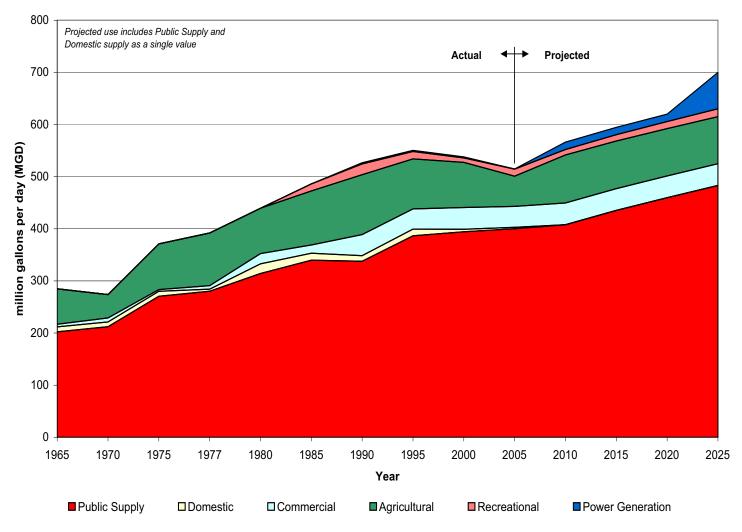
2.3-222 Revision 1

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Figure 2.3-54 Not Used

2.3-223 Revision 1

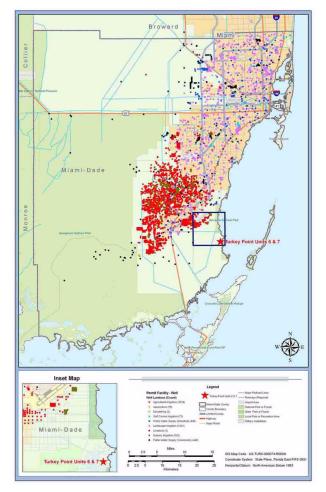
Figure 2.3-55 Withdrawals of Groundwater in Miami-Dade County



Sources: 1965-2000 Appendix 1 of Marella 2005 2005 Marella 2008 2010-2025 SFWMD 2006b

2.3-224 Revision 1

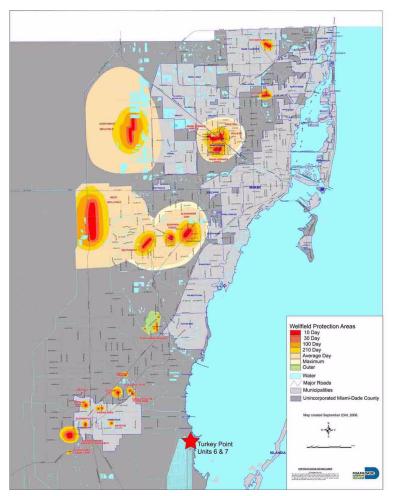
Figure 2.3-56 Permitted Freshwater Wells in Miami-Dade County



Data Source: SFWMD 2008a

2.3-225 Revision 1

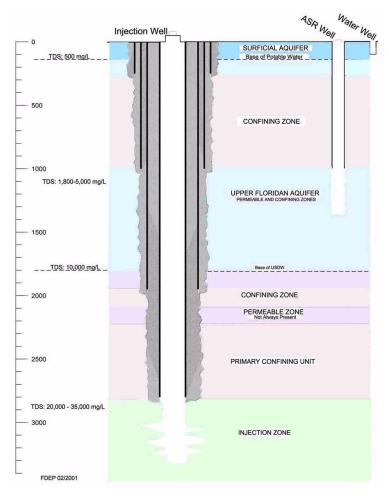
Figure 2.3-57 Miami-Dade County Wellfields and Wellfield Protection Area



Modified from FDEP 2008d

2.3-226 Revision 1

Figure 2.3-58 Typical Municipal Class I Injection Well, Aquifer Storage and Recovery Well, and Water Well in Southeast Florida



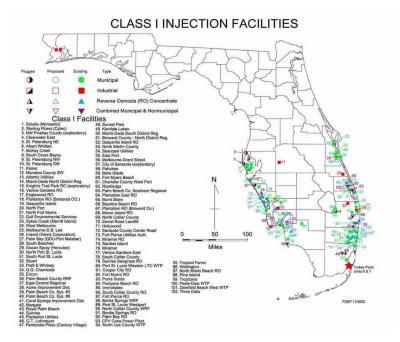
Source: FDEP 2008b

Note: The subsurface conditions and well completions shown in this figure may not represent the conditions beneath Units 6 & 7. This figure is a generalized representation of these types of wells presented in the Underground Injection Control Program website by the FDEP.

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Figure 2.3-59 Class I Injection Wells



Modified from FDEP 2008b

2.3-228 Revision 1

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Figure 2.3-60 Aquifer Storage and Recovery Map

Facilities 1. Tramp-Nome Avenue 1. Tramp-Nome Aven

Modified from FDEP 2008b

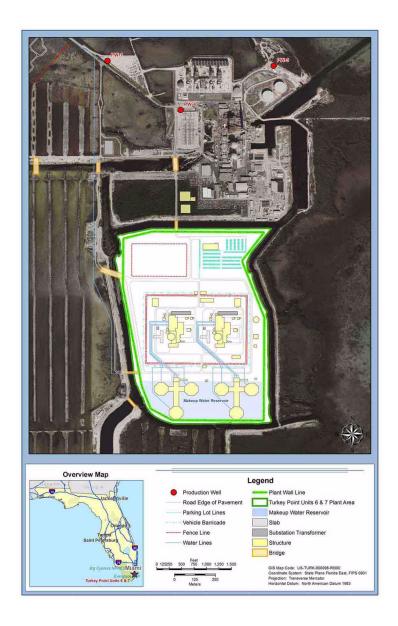
2.3-229 Revision 1

Figure 2.3-61 Industrial Wastewater Facility



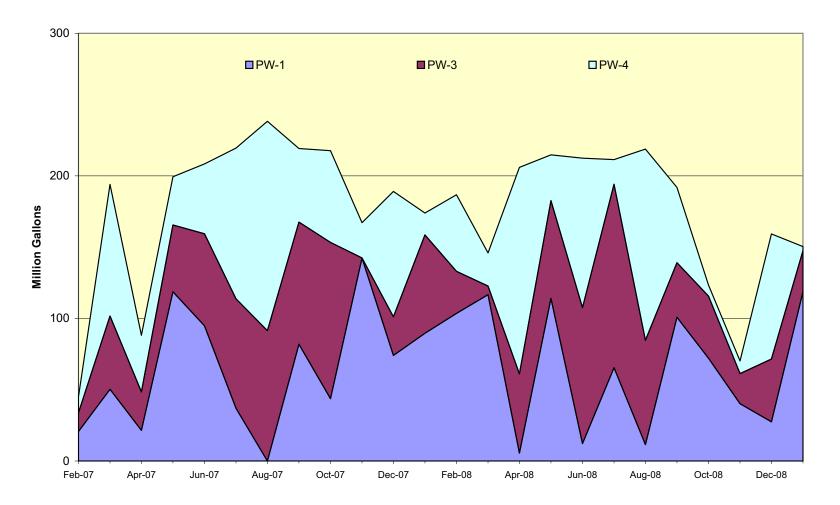
2.3-230 Revision 1

Figure 2.3-62 Upper Floridan Production Wells for Units 1, 2, 5



2.3-231 Revision 1

Figure 2.3-63 Units 1, 2, 5 Monthly Groundwater Use



2.3-232 Revision 1

Figure 2.3-64 Radial Collector Well Area



2.3-233 Revision 1

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Figure 2.3-65 Not Used

2.3-234 Revision 1

Figure 2.3-66 Biscayne Bay Water Quality Monitoring Stations Near Turkey Point Plant Property



2.3-235 Revision 1

Figure 2.3-67 303(d)-Listed Impaired Water Located Near Turkey Point Plant Property



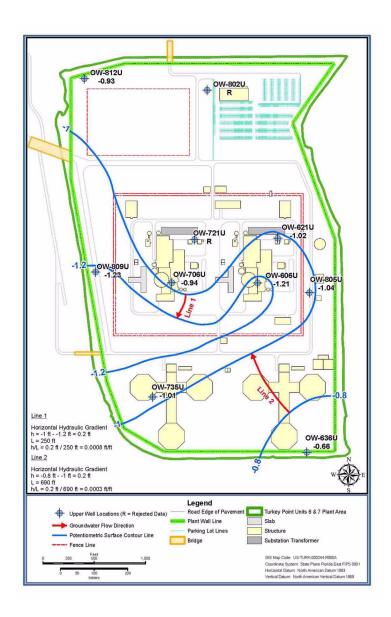
2.3-236 Revision 1

Figure 2.3-68 NPDES Dischargers Located Near Turkey Point Property



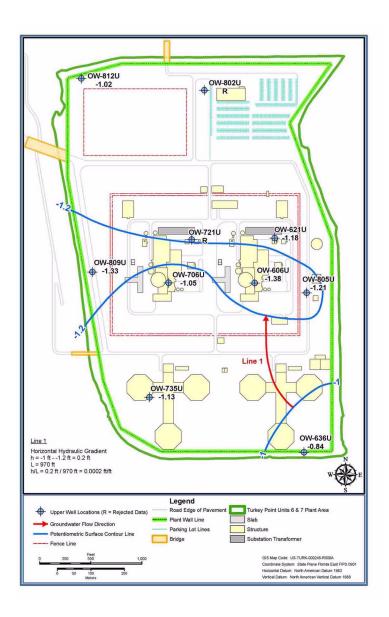
2.3-237 Revision 1

Figure 2.3-69 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, July 15, 2009 (Sheet 1 of 2) High Tide



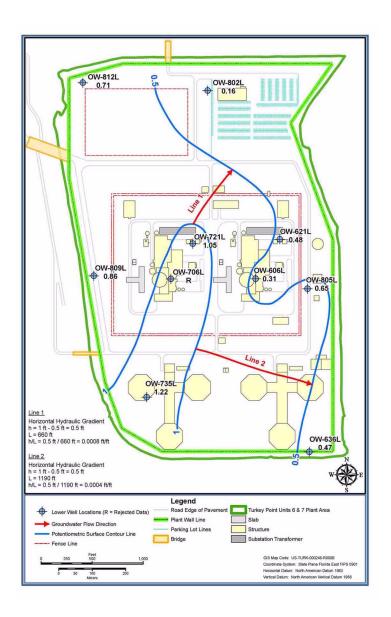
2.3-238 Revision 1

Figure 2.3-69 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, July 15, 2009 (Sheet 2 of 2) Low Tide



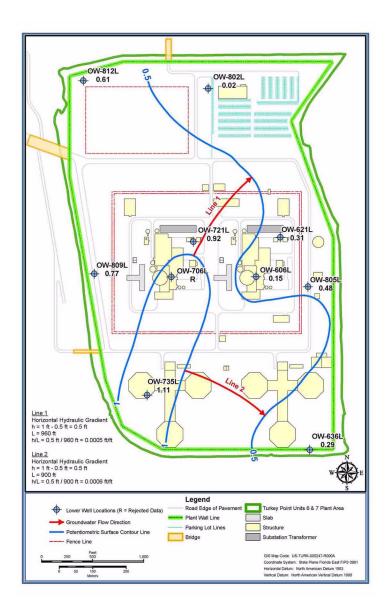
2.3-239 Revision 1

Figure 2.3-70 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, July 15, 2009 (Sheet 1 of 2) High Tide



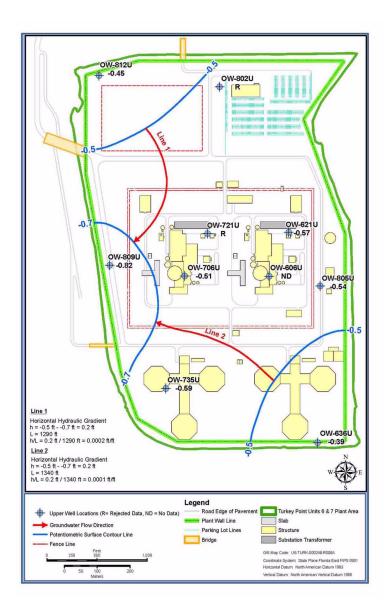
2.3-240 Revision 1

Figure 2.3-70 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, July 15, 2009 (Sheet 2 of 2) Low Tide



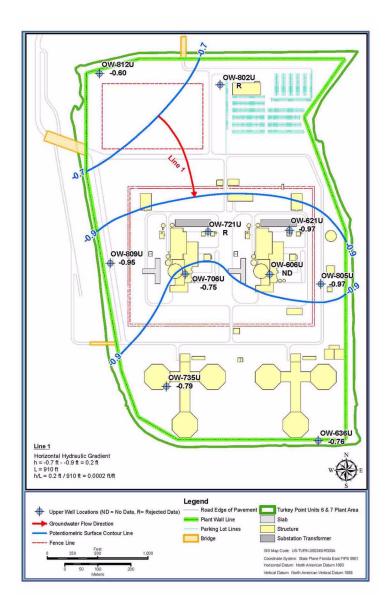
2.3-241 Revision 1

Figure 2.3-71 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, January 15, 2010 (Sheet 1 of 2) High Tide



2.3-242 Revision 1

Figure 2.3-71 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, January 15, 2010 (Sheet 2 of 2) Low Tide



2.3-243 Revision 1

Figure 2.3-72 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, January 15, 2010 (Sheet 1 of 2) High Tide



2.3-244 Revision 1

Figure 2.3-72 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, January 15, 2010 (Sheet 2 of 2) Low Tide



2.3-245 Revision 1