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



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



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



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

![](_page_3_Figure_2.jpeg)

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

![](_page_4_Figure_2.jpeg)

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

![](_page_5_Figure_2.jpeg)

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

![](_page_6_Figure_2.jpeg)

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

![](_page_7_Figure_2.jpeg)

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

![](_page_8_Figure_2.jpeg)

Modified from Meyer 1989

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

![](_page_9_Figure_2.jpeg)

![](_page_10_Figure_1.jpeg)

![](_page_10_Figure_2.jpeg)

Reference USGS 2010

![](_page_11_Figure_1.jpeg)

![](_page_11_Figure_2.jpeg)

Reference SFWMD 2010

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

![](_page_12_Figure_2.jpeg)

![](_page_13_Figure_1.jpeg)

![](_page_13_Figure_2.jpeg)

![](_page_14_Figure_1.jpeg)

![](_page_14_Figure_2.jpeg)

![](_page_15_Figure_1.jpeg)

![](_page_15_Figure_2.jpeg)

![](_page_16_Figure_1.jpeg)

![](_page_16_Figure_2.jpeg)

![](_page_17_Figure_1.jpeg)

![](_page_17_Figure_2.jpeg)

![](_page_18_Figure_1.jpeg)

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

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

![](_page_19_Figure_2.jpeg)

![](_page_20_Figure_1.jpeg)

![](_page_20_Figure_2.jpeg)

![](_page_21_Figure_1.jpeg)

![](_page_21_Figure_2.jpeg)

![](_page_22_Figure_1.jpeg)

![](_page_22_Figure_2.jpeg)

![](_page_23_Figure_1.jpeg)

![](_page_23_Figure_2.jpeg)

Reference USGS 2008

![](_page_24_Picture_1.jpeg)

# Figure 2.3-42 Regional Aquifer Test Locations

![](_page_25_Figure_1.jpeg)

# Figure 2.3-43 Biscayne Aquifer Regional Transmissivity

Modified from Merritt 1996

![](_page_26_Figure_1.jpeg)

# Figure 2.3-44 Formation Properties from Rock Core Testing

Data Source Table 2.3-18

![](_page_27_Figure_1.jpeg)

![](_page_27_Figure_2.jpeg)

Data Source Table 2.3-18

![](_page_28_Figure_1.jpeg)

![](_page_28_Figure_2.jpeg)

![](_page_29_Figure_1.jpeg)

# Figure 2.3-47 The Boulder Zone in Southern Florida

—-2100- Structure contour—Shows altitude of top of Boulder Zone. Contour interval 100 feet. Datum is sea level

![](_page_30_Figure_1.jpeg)

![](_page_30_Figure_2.jpeg)

Source: Meyer 1989

![](_page_31_Figure_1.jpeg)

### Figure 2.3-49 Piper Trilinear Diagram of Hydrogeochemical Samples

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

![](_page_32_Figure_2.jpeg)

![](_page_32_Figure_3.jpeg)

![](_page_32_Figure_4.jpeg)

![](_page_32_Figure_5.jpeg)

Line E

![](_page_32_Figure_7.jpeg)

![](_page_32_Figure_8.jpeg)

![](_page_33_Figure_1.jpeg)

![](_page_33_Figure_2.jpeg)

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

![](_page_34_Figure_2.jpeg)

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

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

![](_page_35_Figure_2.jpeg)

# Figure 2.3-54 Not Used

![](_page_37_Figure_1.jpeg)

![](_page_37_Figure_2.jpeg)

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

![](_page_38_Figure_1.jpeg)

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

Data Source: SFWMD 2010

![](_page_39_Figure_1.jpeg)

![](_page_39_Figure_2.jpeg)

Modified from FDEP 2008d

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

![](_page_40_Figure_2.jpeg)

![](_page_40_Figure_3.jpeg)

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.

![](_page_41_Figure_1.jpeg)

![](_page_41_Figure_2.jpeg)

Modified from FDEP 2008b

![](_page_42_Figure_1.jpeg)

![](_page_42_Figure_2.jpeg)

Modified from FDEP 2008b

![](_page_43_Figure_1.jpeg)

# Figure 2.3-61 Industrial Wastewater Facility

![](_page_44_Figure_1.jpeg)

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

![](_page_45_Figure_1.jpeg)

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

![](_page_46_Picture_1.jpeg)

# Figure 2.3-64 Radial Collector Well Area

# Figure 2.3-65 Not Used

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

![](_page_48_Figure_2.jpeg)

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

![](_page_49_Figure_2.jpeg)

# Cutler Ridge \* key Point Units 6 & 7 **Overview Map** -Legend Turkey Point Units 6 & 7 NPDES Discharge Locations 10-Mile Radius of the Turkey Point Site Plant Wall Line \*

# Figure 2.3-68 NPDES Dischargers Located Near Turkey Point Property