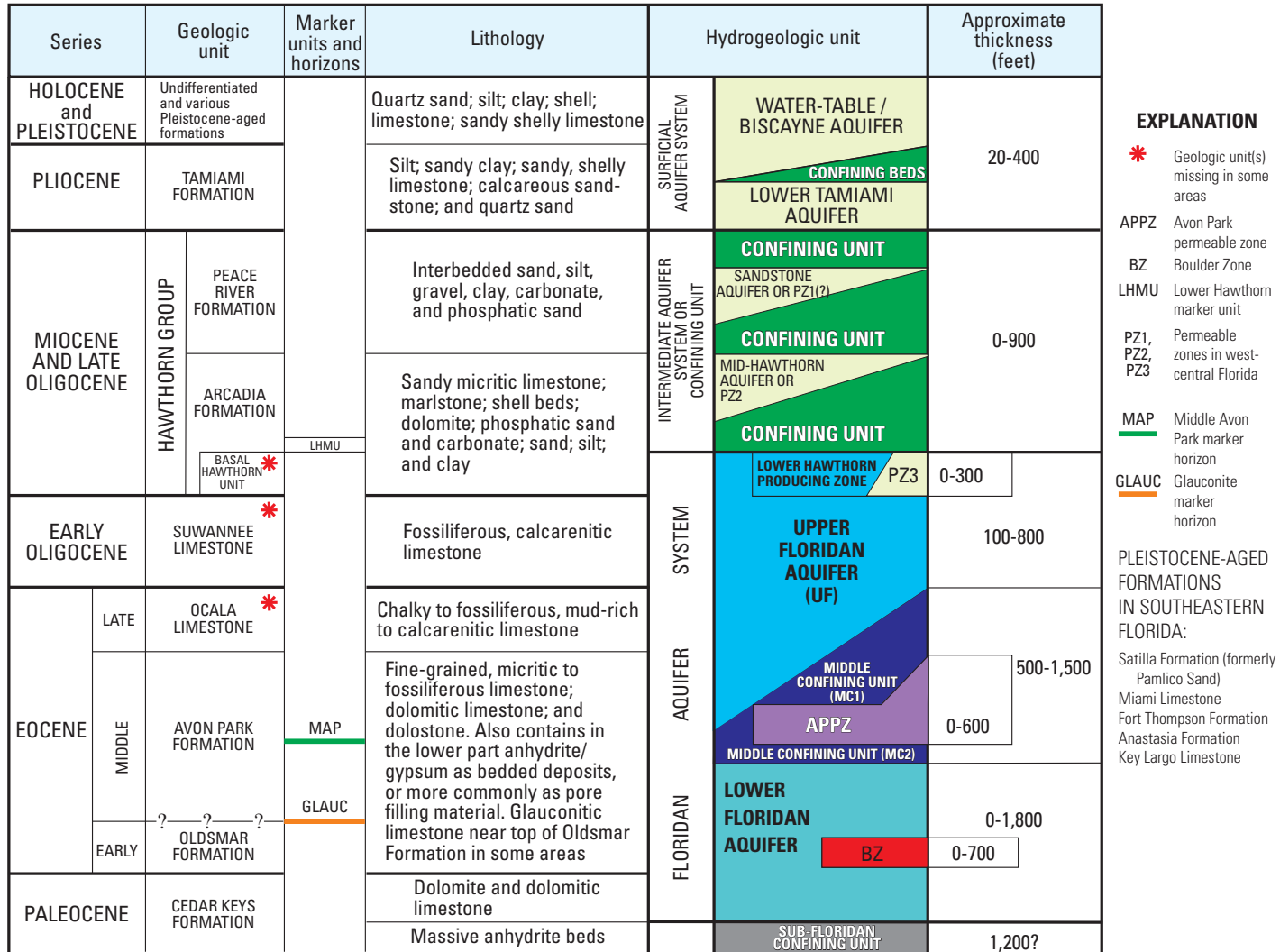


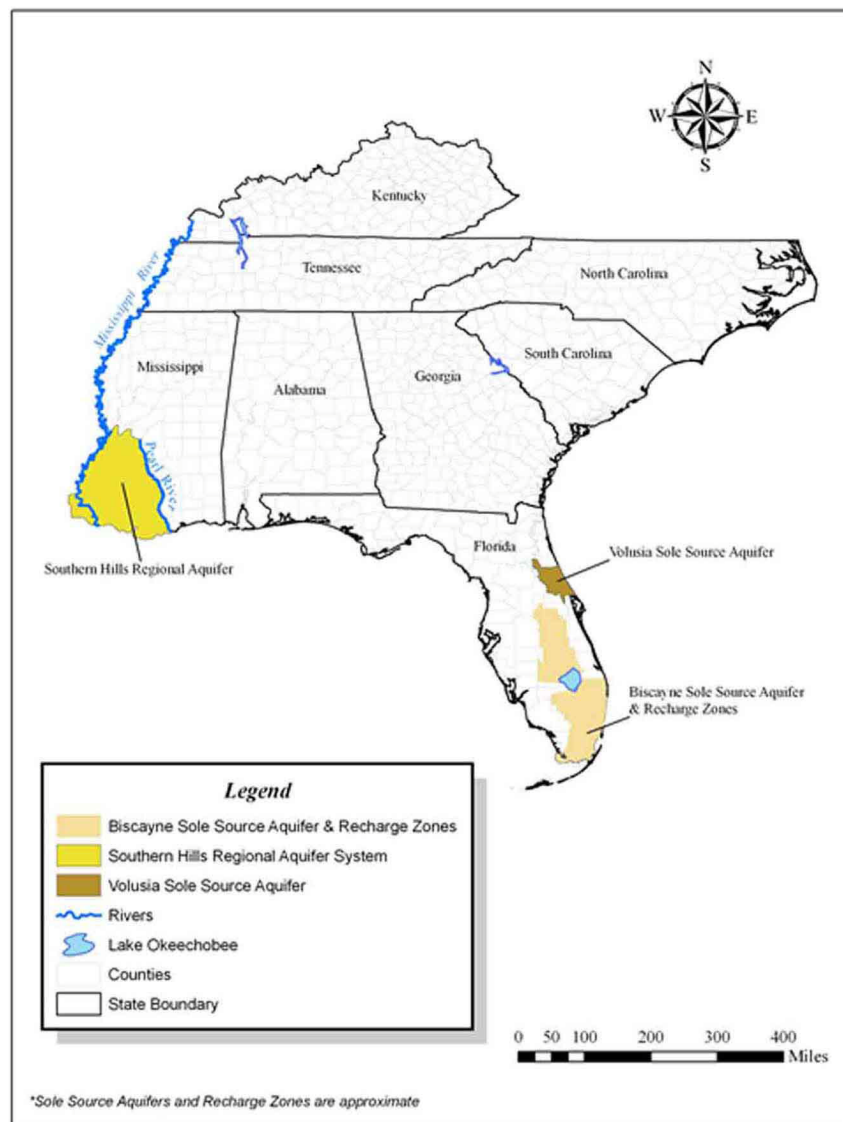
Modified from References 201 and 202
 Note: Florida is within the Atlantic Coastal Plan physiographic province.

Figure 2.4.12-201 Physiographic Features



Source: Reference 206

Figure 2.4.12-202 Regional Generalized Hydrostratigraphic Column



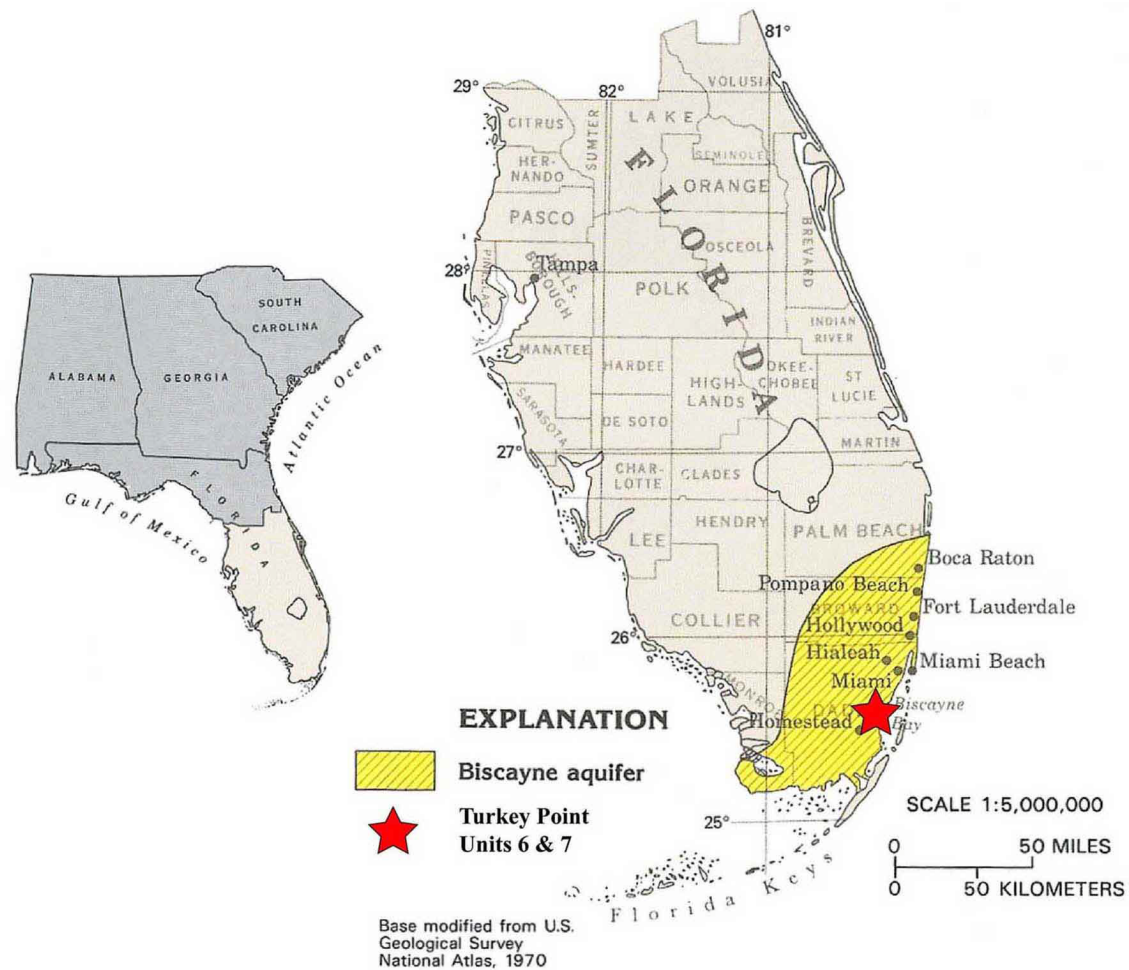
Source: Reference 205

Figure 2.4.12-203 Approximate Boundaries of EPA Region 4 Sole Source Aquifers

ERATHEM	SYSTEM	SERIES	HYDRO- GEOLOGIC UNIT		STRATIGRAPHIC UNIT		LITHOLOGY	APPROXIMATE TOP ELEVATION (ft NAVD 88)	APPROXIMATE THICKNESS (ft)
CENEZOIC	QUATERNARY	HOLOCENE			organic muck		organic soil and silt	0	3
		PLEISTOCENE	Surficial aquifer system	Biscayne aquifer	Miami Limestone	sandy, oolitic limestone	-3	25	
					Key Largo Limestone	well indurated, vuggy, coralline limestone	-28	22	
					Fort Thompson Formation	poor/well indurated fossiliferous limestone	-50	65	
	TERTIARY	PLIOCENE			Semi-confining unit	Tamiami Formation	sand and silt with calcarenitic limestone	-115	105
		MIOCENE	Intermediate confining unit	Hawthorn Group	Peace River Formation	silty calcareous sand and silt	-220	235	
					Arcadia Formation	calcareous wackestone with indurated limestones, sandstone, and sand	-455	>160	
							drilling ended at -616.5 ft NAVD 88		

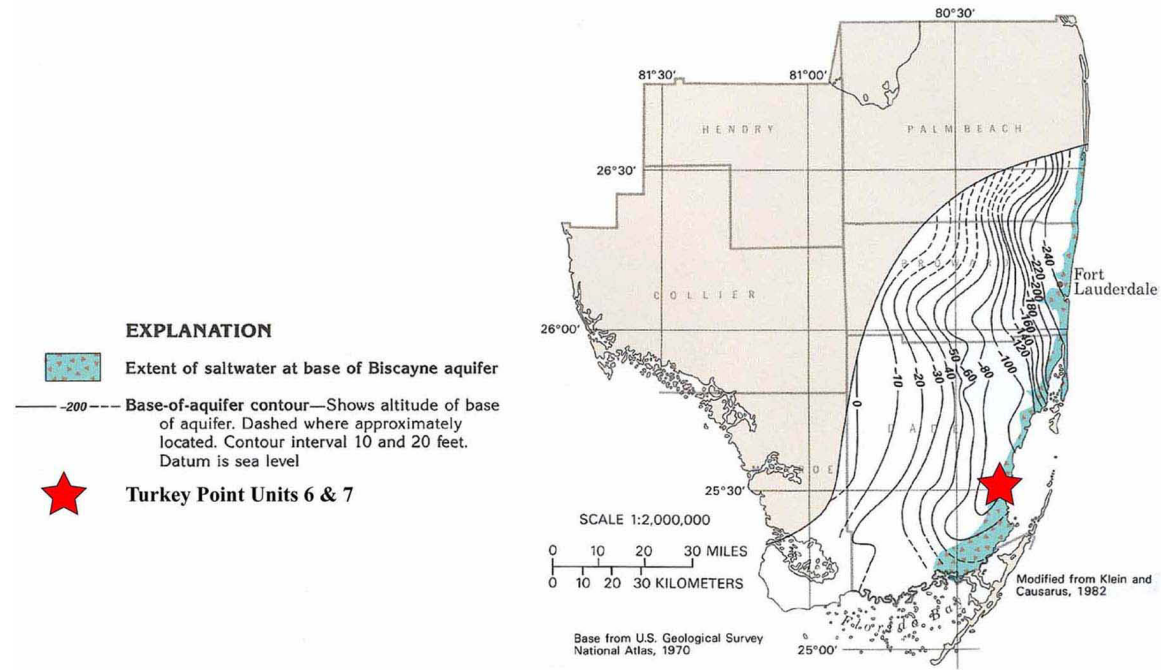
Color represents similar composition (carbonate, clastics, and organics).

Figure 2.4.12-204 Site Hydrostatigraphic Column



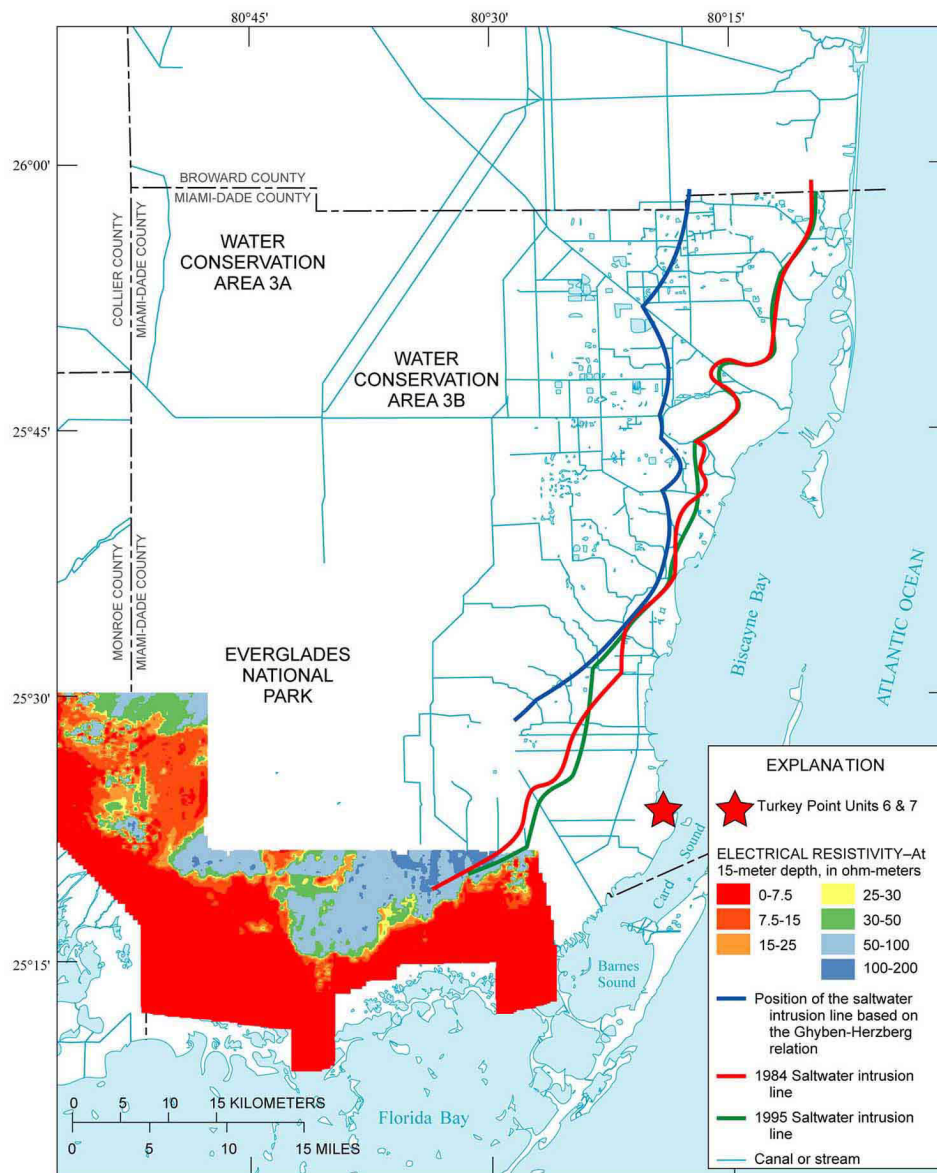
Modified from Reference 210

Figure 2.4.12-205 Location of the Biscayne Aquifer in Southeast Florida



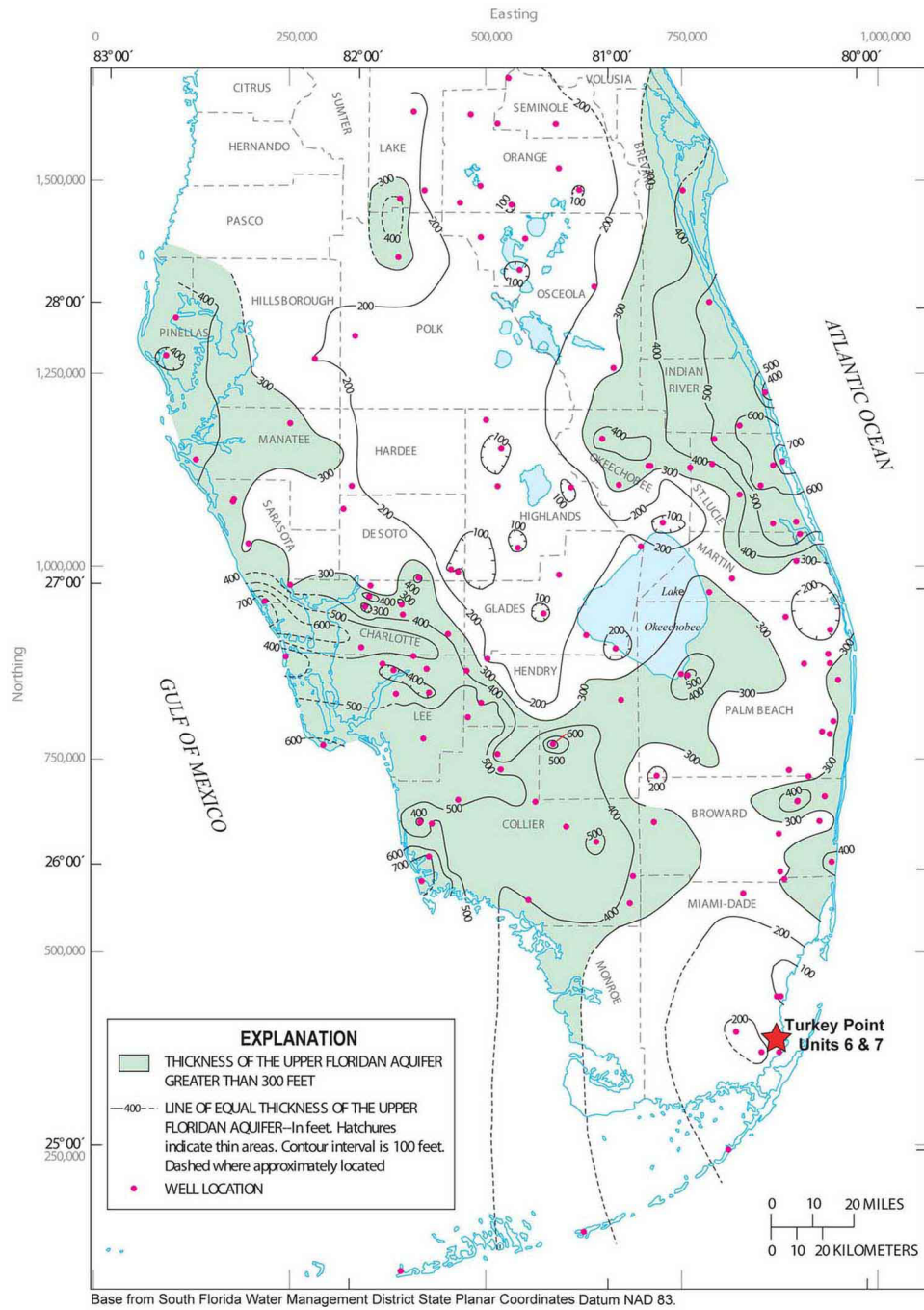
Modified from Reference 210

Figure 2.4.12-206 Base of the Biscayne Aquifer



Modified from Reference 212

Figure 2.4.12-207 Location of the Freshwater-Saltwater Interface



Modified from Reference 206

Figure 2.4.12-208 Thickness of the Upper Floridan Aquifer

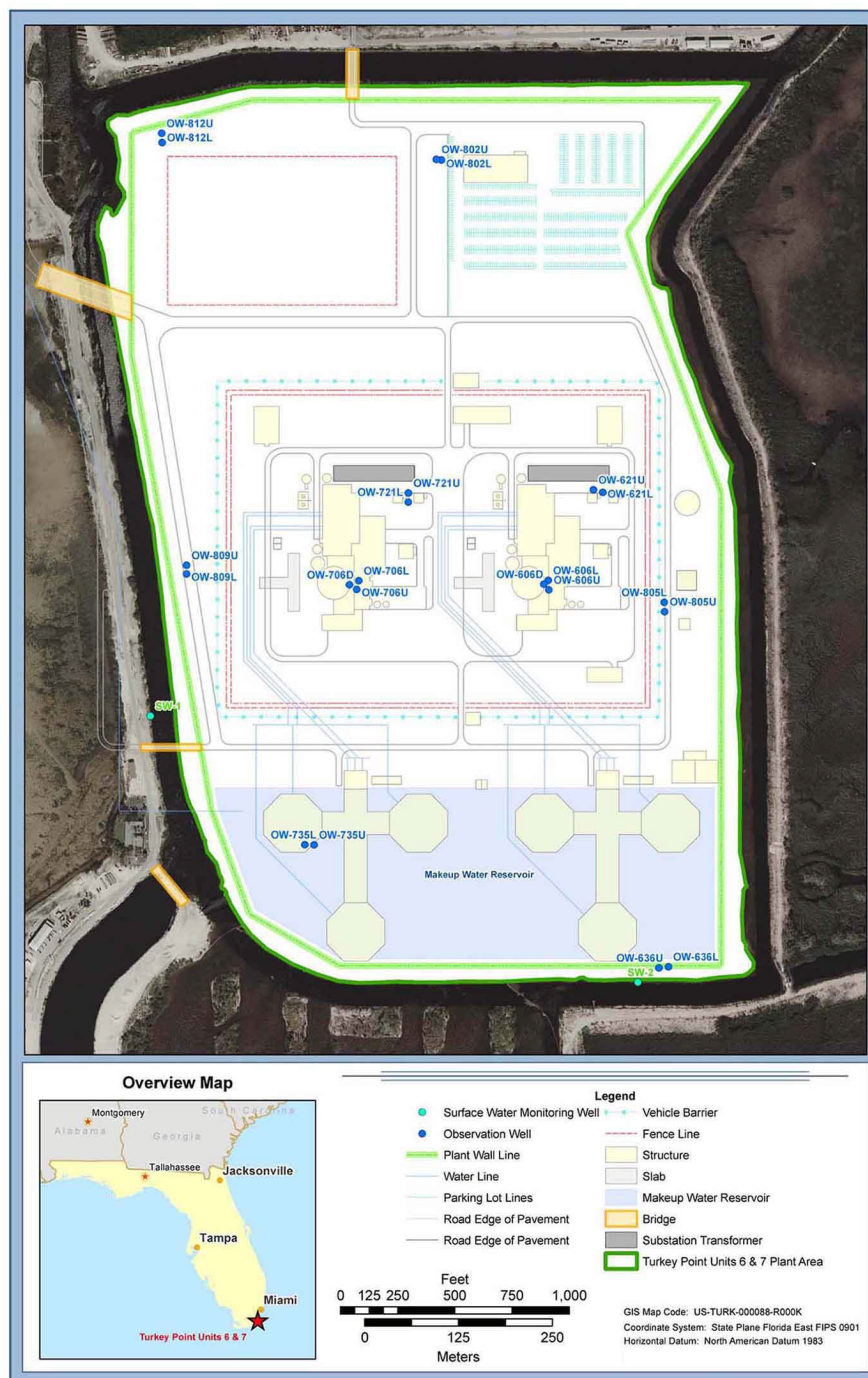


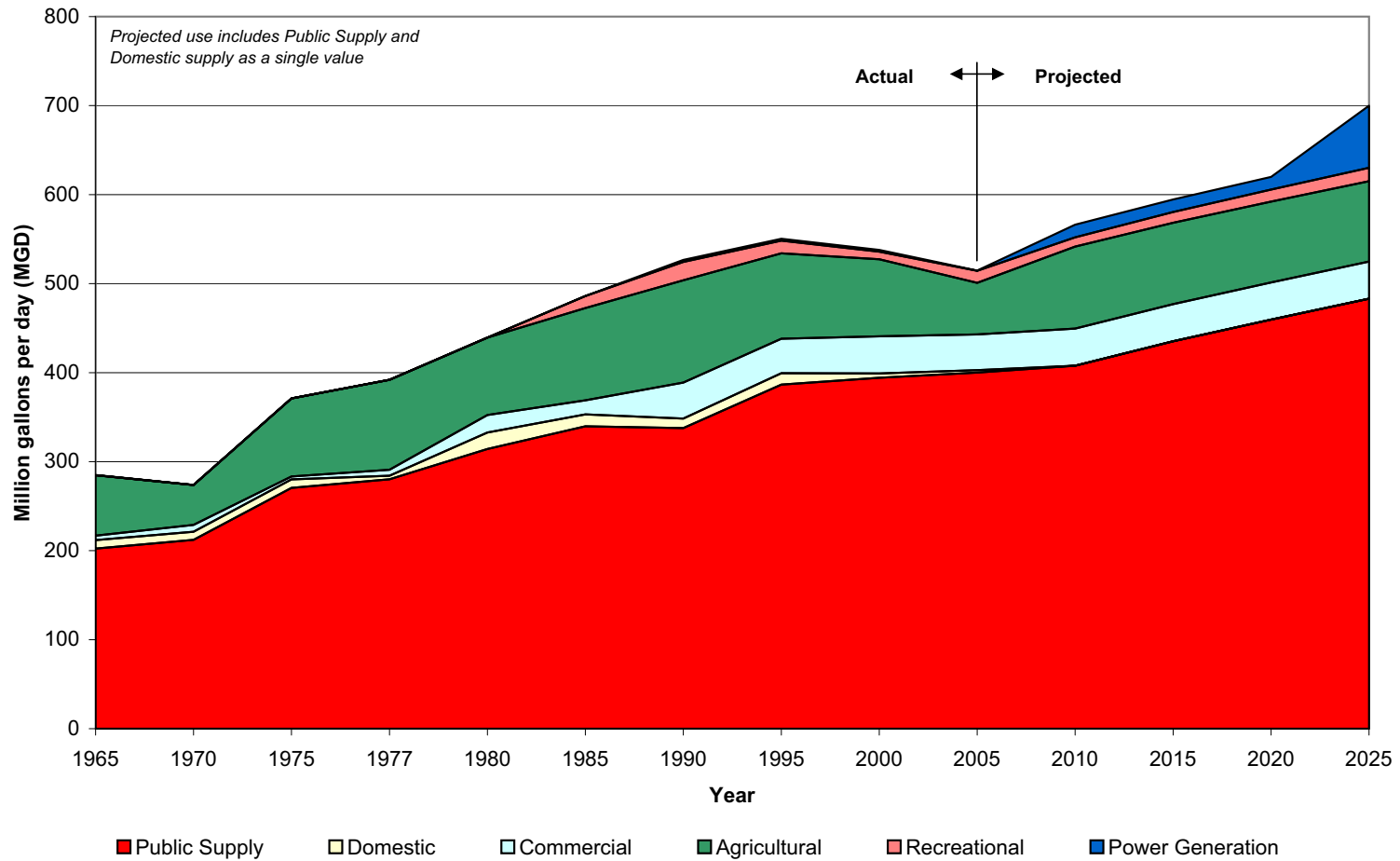
Figure 2.4.12-209 Units 6 & 7 Observation Well Locations



Figure 2.4.12-210 Industrial Wastewater Facility

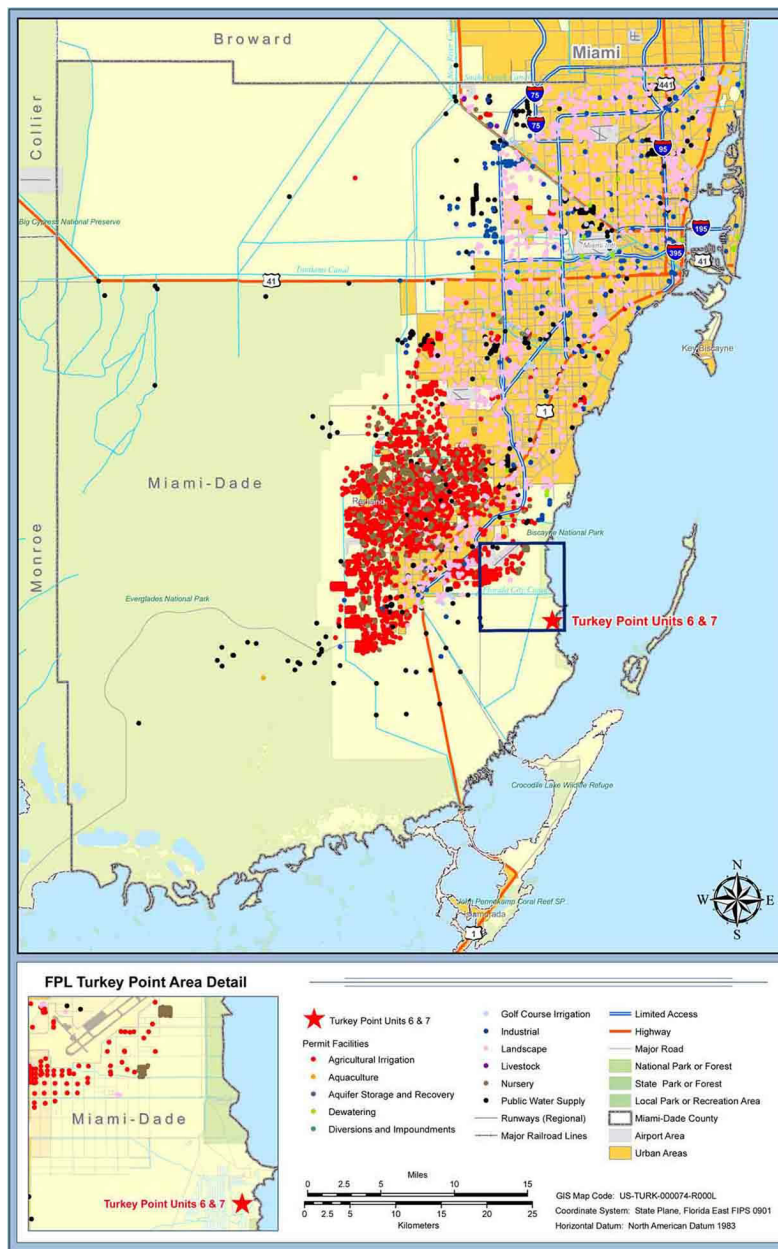


Figure 2.4.12-211 Upper Floridan Aquifer Production Wells for Unit 5



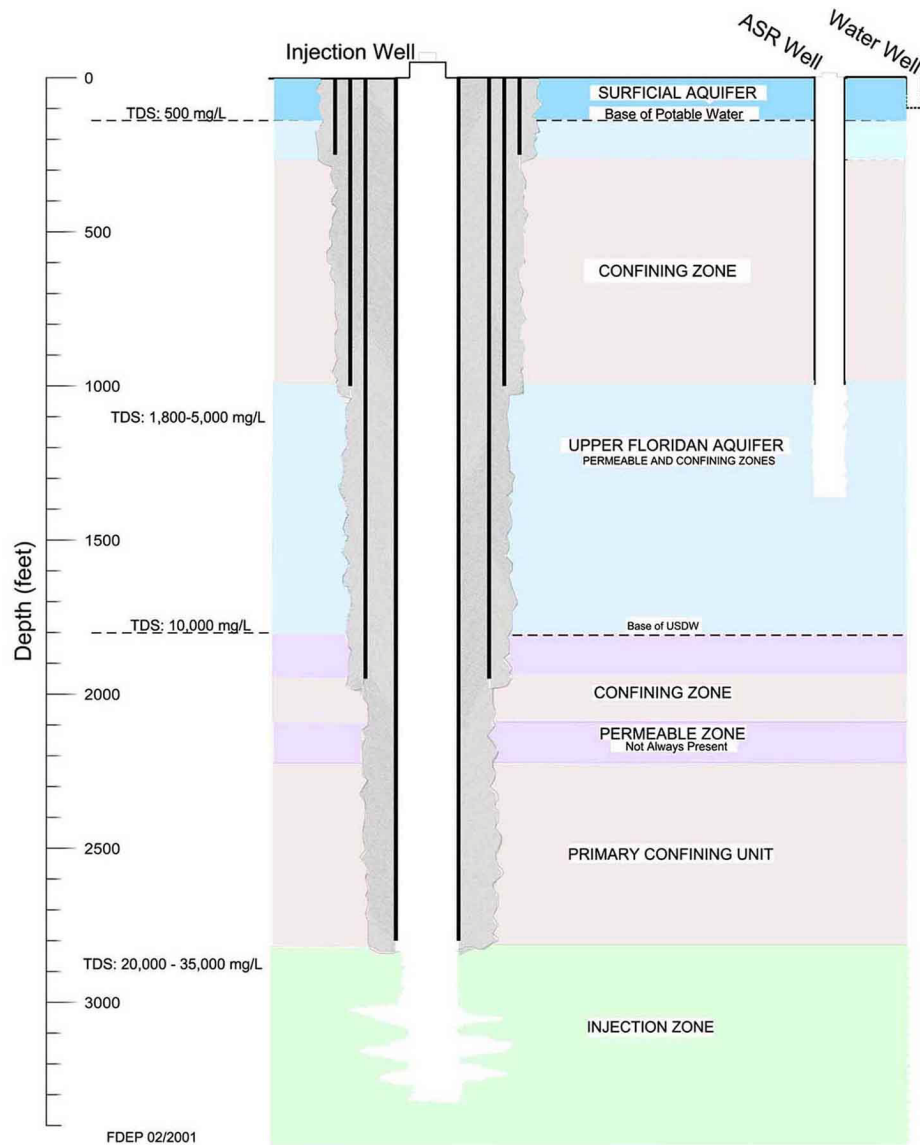
Source: Table 2.4.12-202

Figure 2.4.12-212 Withdrawals of Groundwater in Miami-Dade County



Source: Reference 227

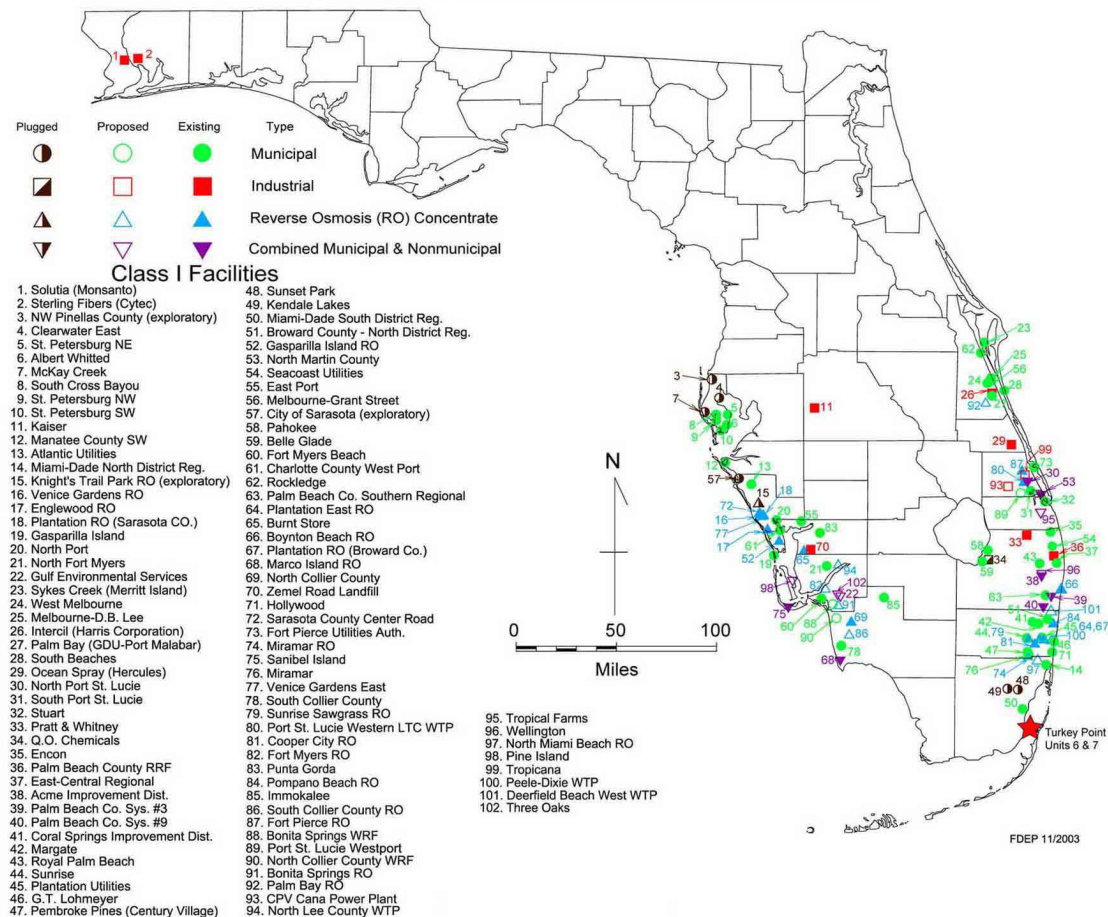
Figure 2.4.12-213 SFWMD Freshwater Well Permits in Miami-Dade County



Source: Reference 229

Figure 2.4.12-214 Typical Municipal Class 1 Injection Well, ASR Well and Water Well in Southeast Florida

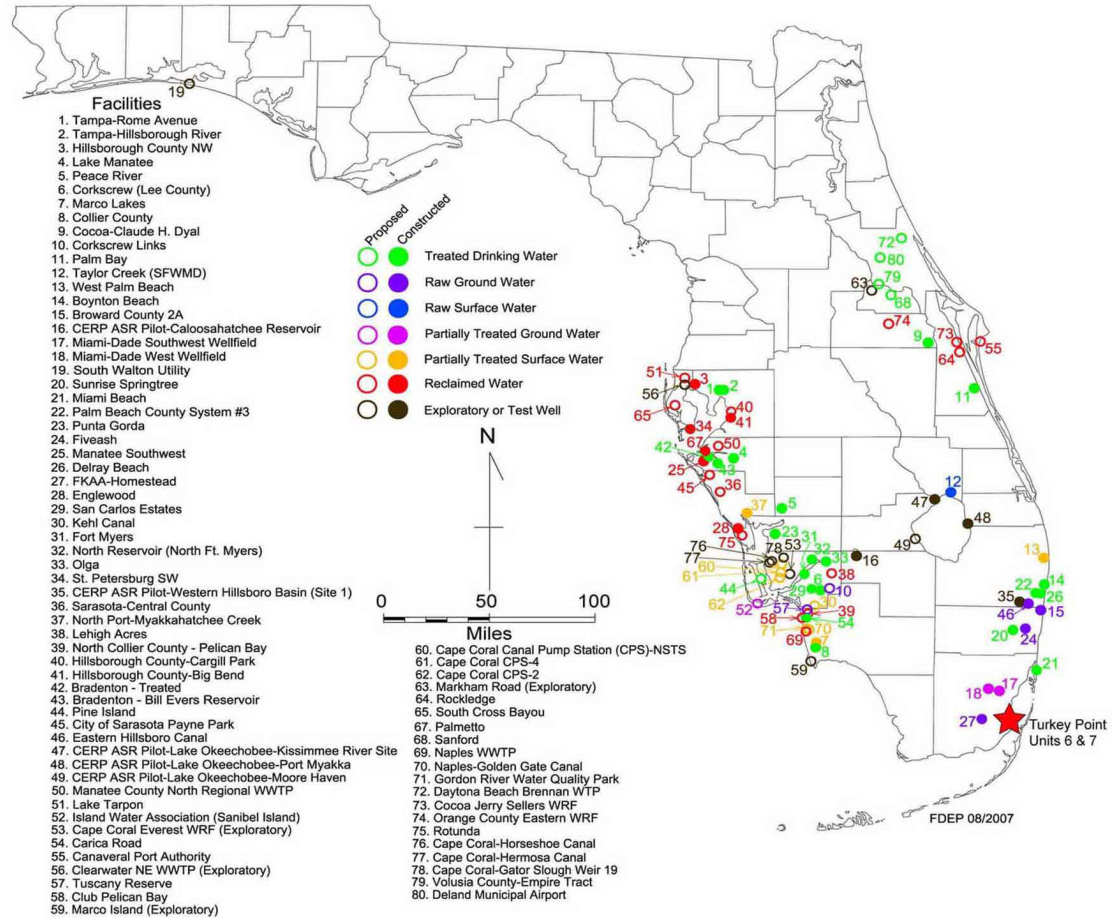
CLASS I INJECTION FACILITIES



Modified from Reference 229

Figure 2.4.12-215 Locations of Class I Injection Facilities in Florida

AQUIFER STORAGE AND RECOVERY FACILITIES IN FLORIDA



Modified from Reference 229

Figure 2.4.12-216 Location of Aquifer Storage and Recovery Facilities in Florida

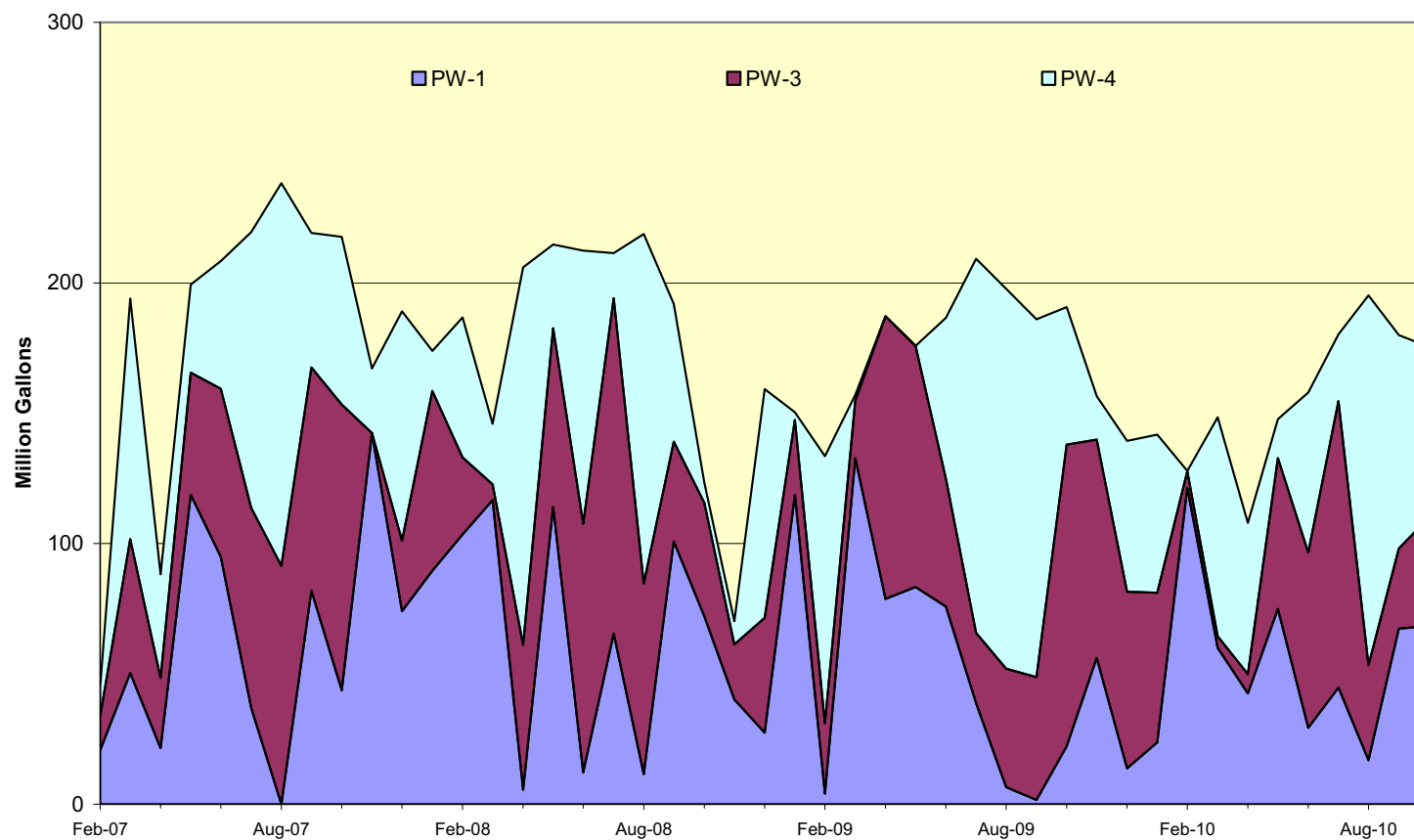


Figure 2.4.12-217 Turkey Point Upper Floridan Aquifer Saline Groundwater Use

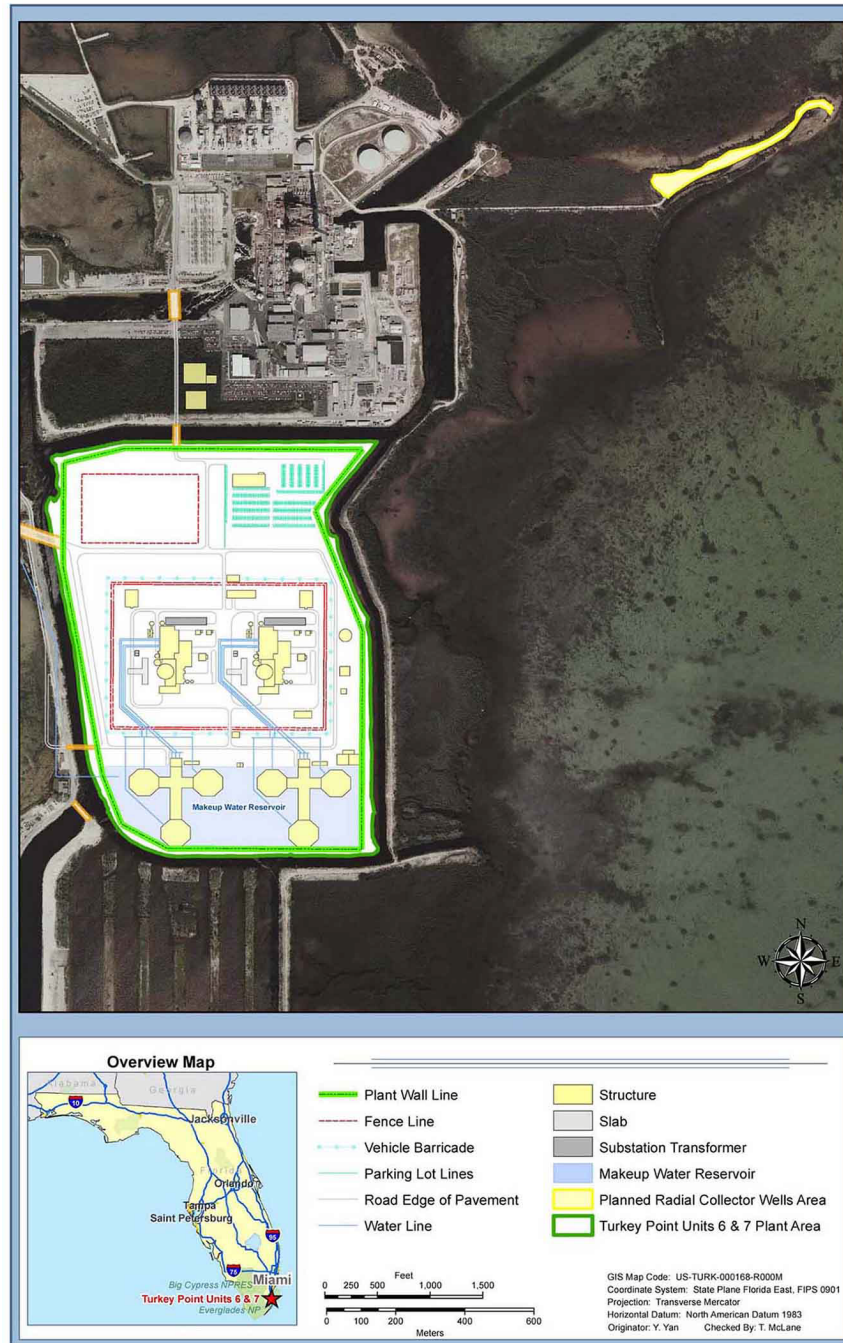
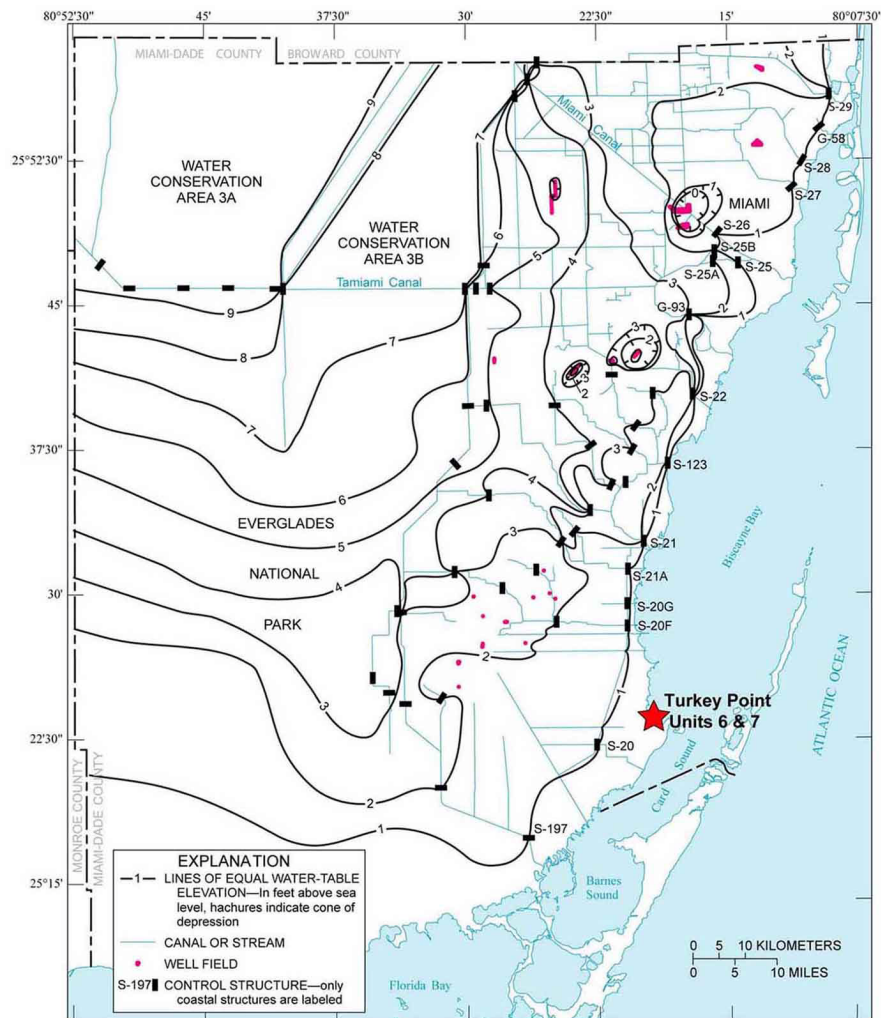
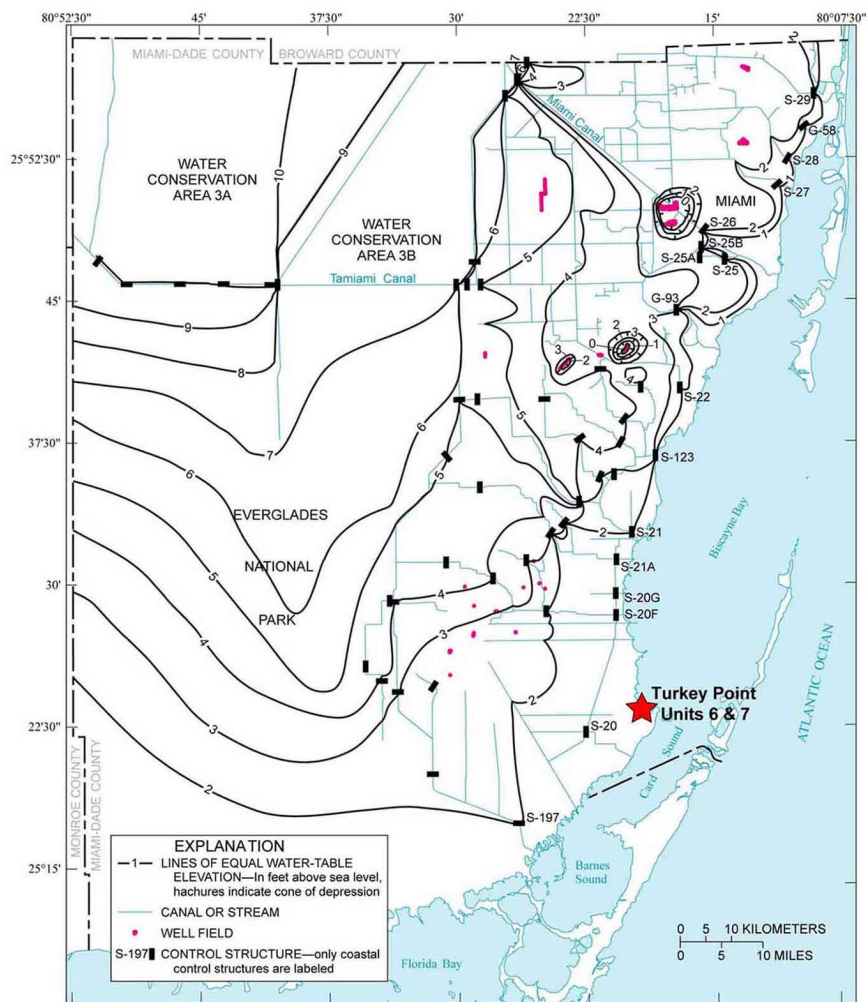


Figure 2.4.12-218 Location of Radial Collector Wells



Modified from Reference 212

Figure 2.4.12-219 May 1993 Biscayne Aquifer Potentiometric Surface Map



Modified from Reference 212

Figure 2.4.12-220 November 1993 Biscayne Aquifer Potentiometric Surface Map

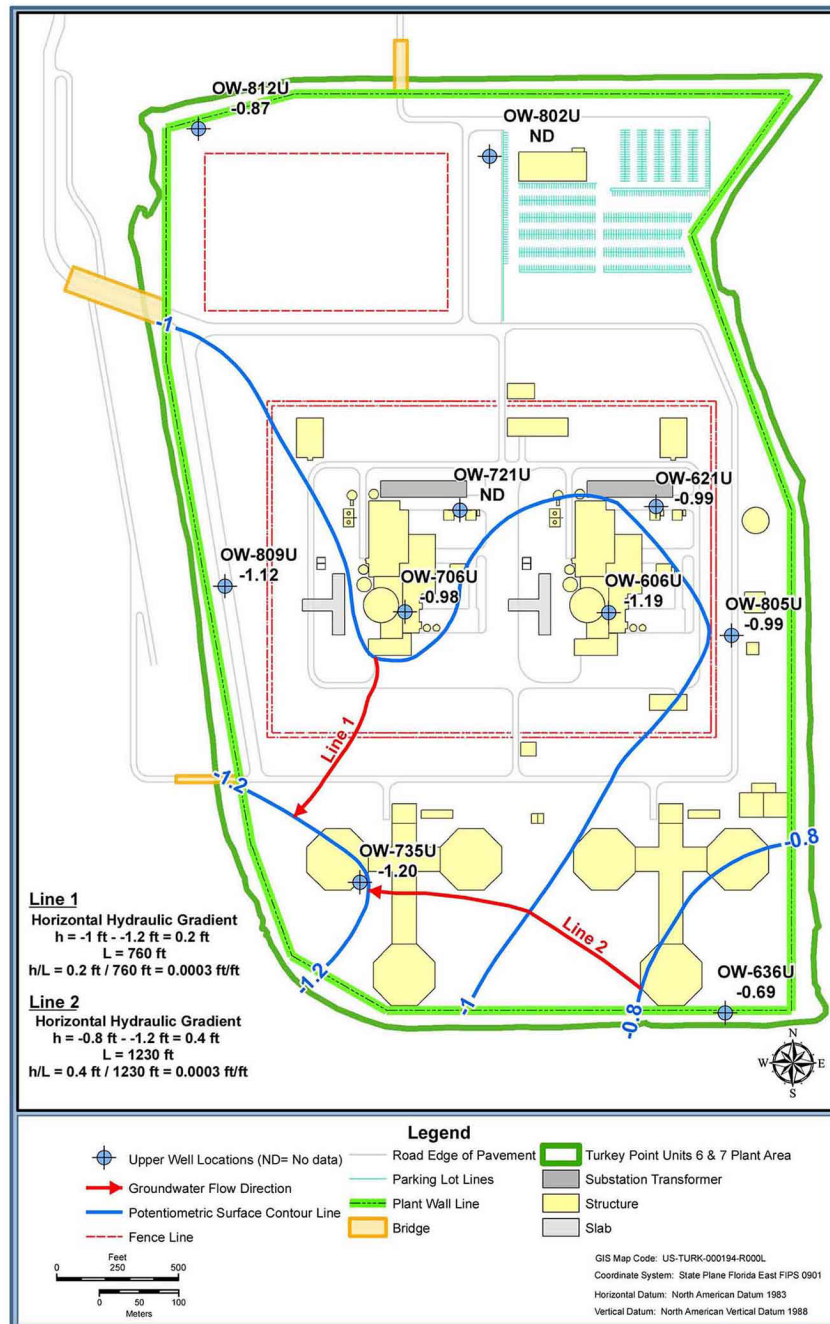


Figure 2.4.12-221 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, June 29, 2008 (Sheet 1 of 2) High Tide

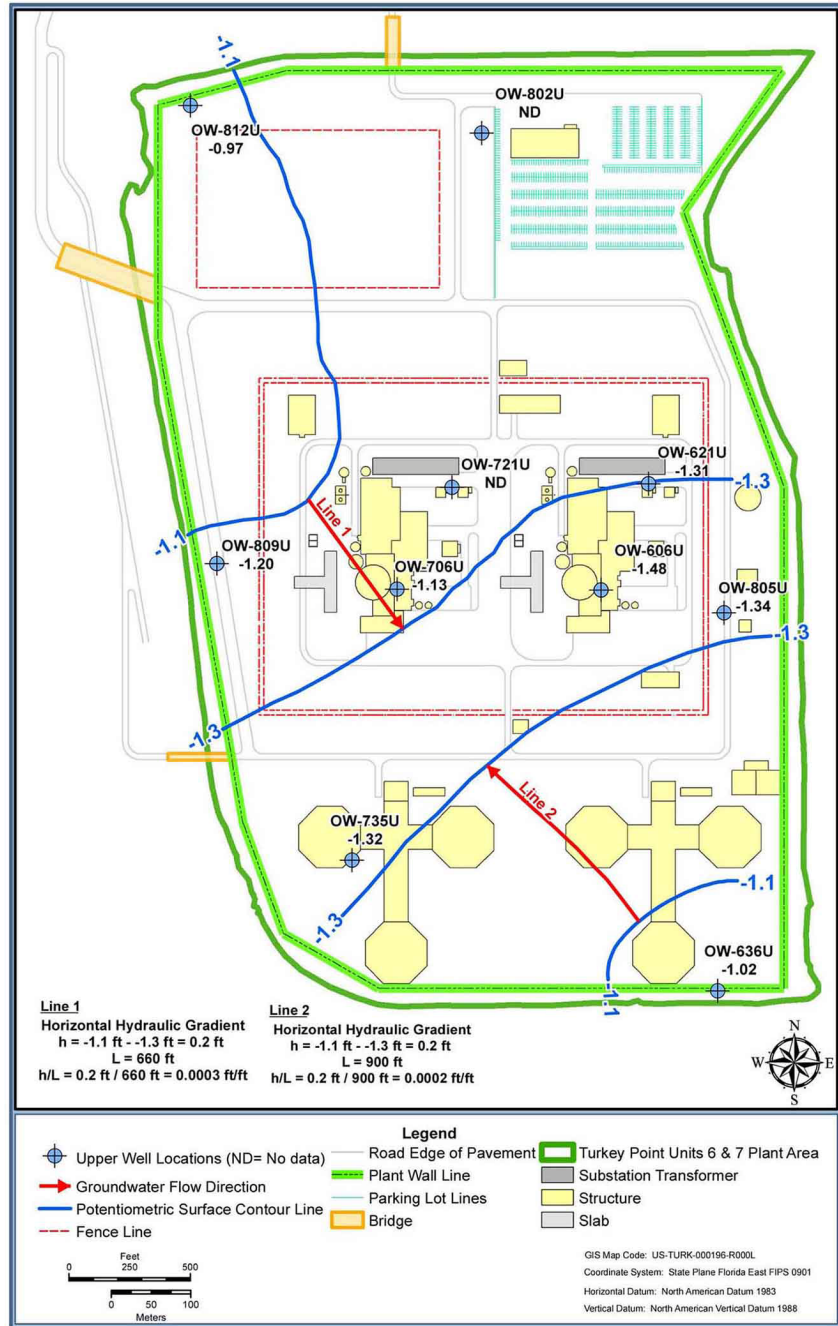


Figure 2.4.12-221 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, June 29, 2008 (Sheet 2 of 2) Low Tide

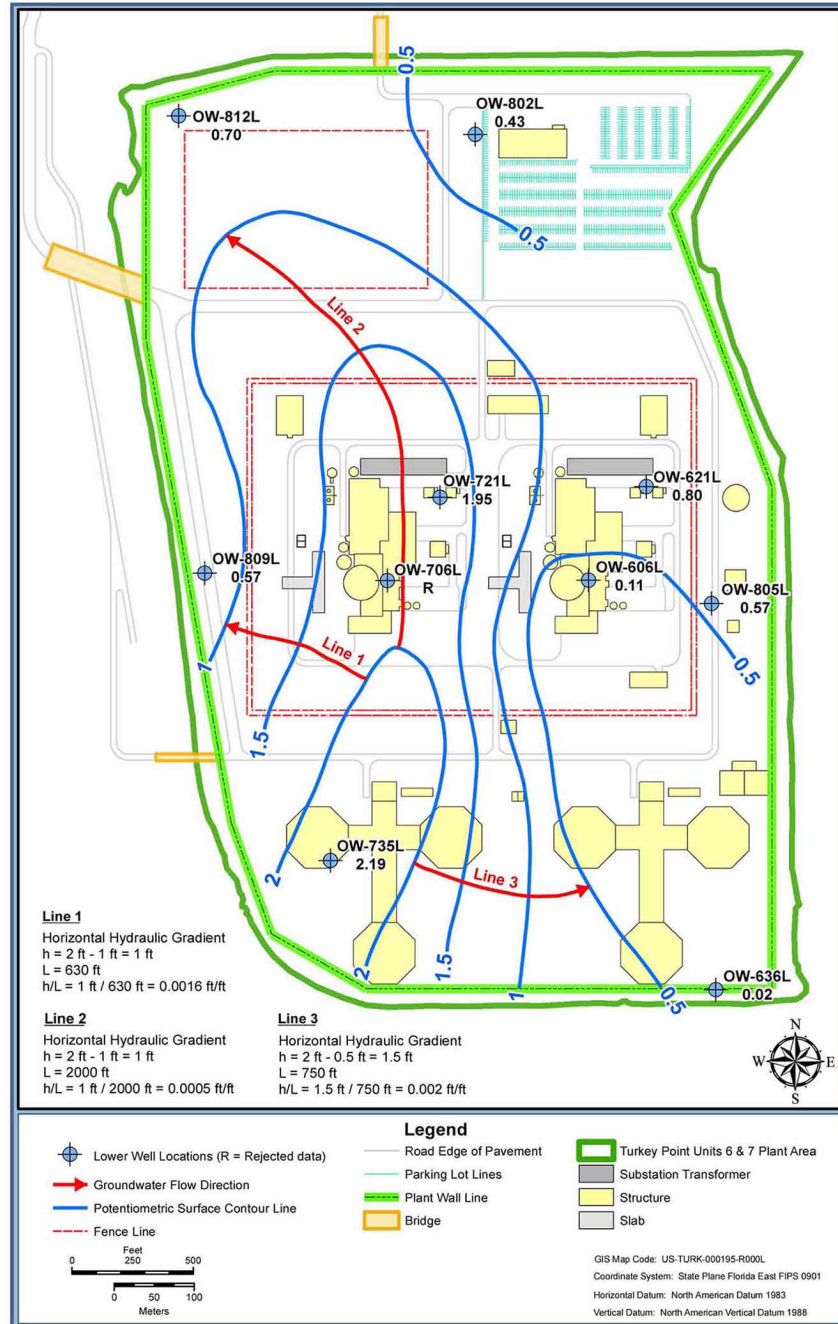


Figure 2.4.12-222 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, June 29, 2008 (Sheet 1 of 2) High Tide



Figure 2.4.12-222 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, June 29, 2008 (Sheet 2 of 2) Low Tide

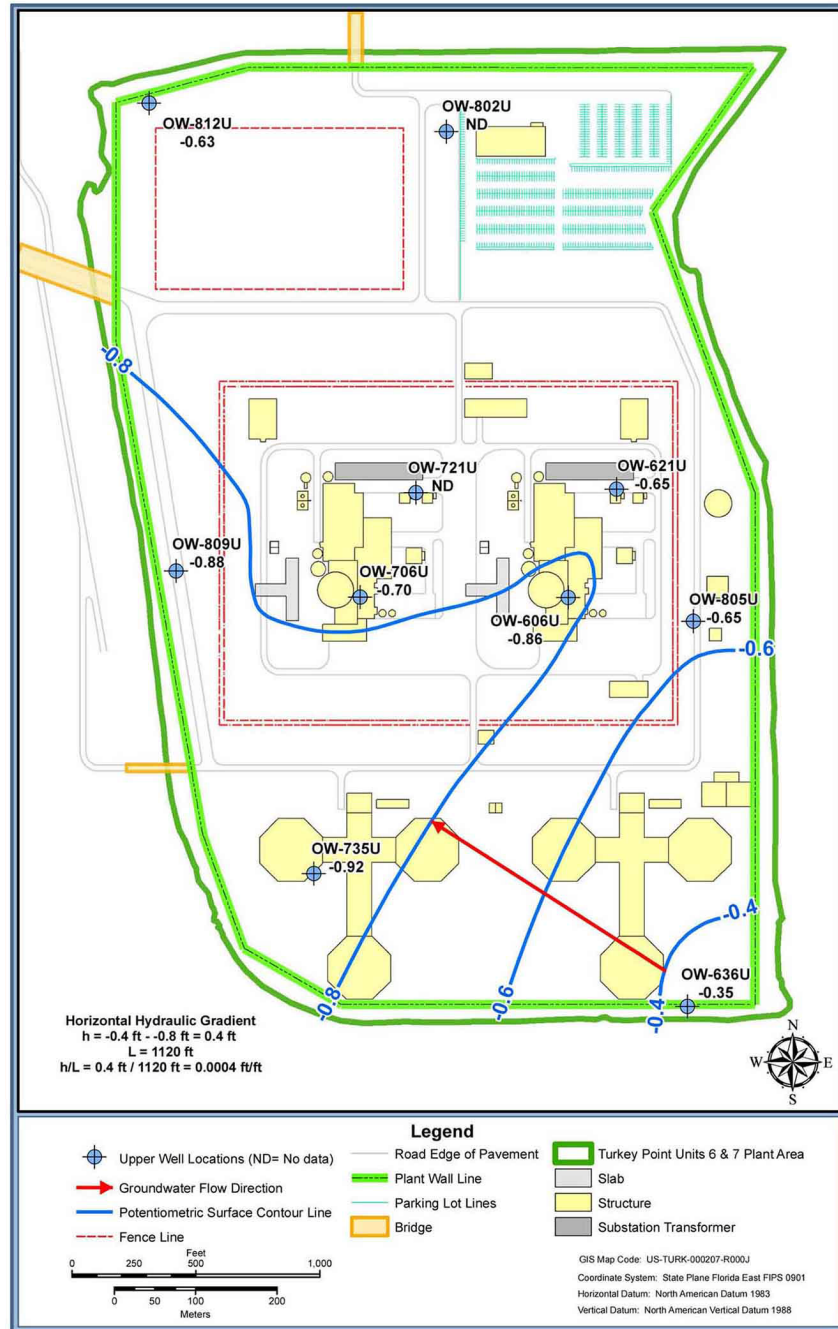


Figure 2.4.12-223 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, August 15, 2008 (Sheet 1 of 2) High Tide

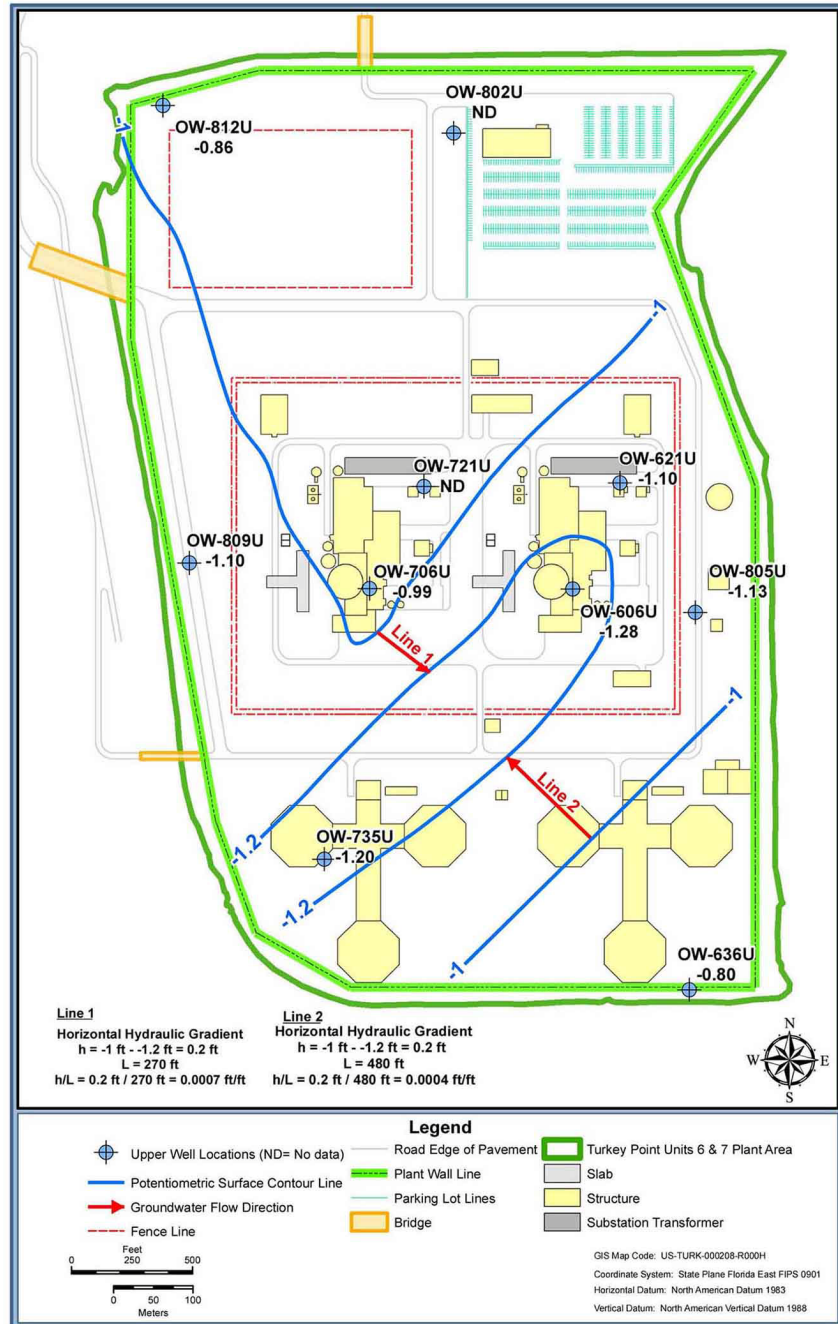


Figure 2.4.12-223 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, August 15, 2008 (Sheet 2 of 2) Low Tide

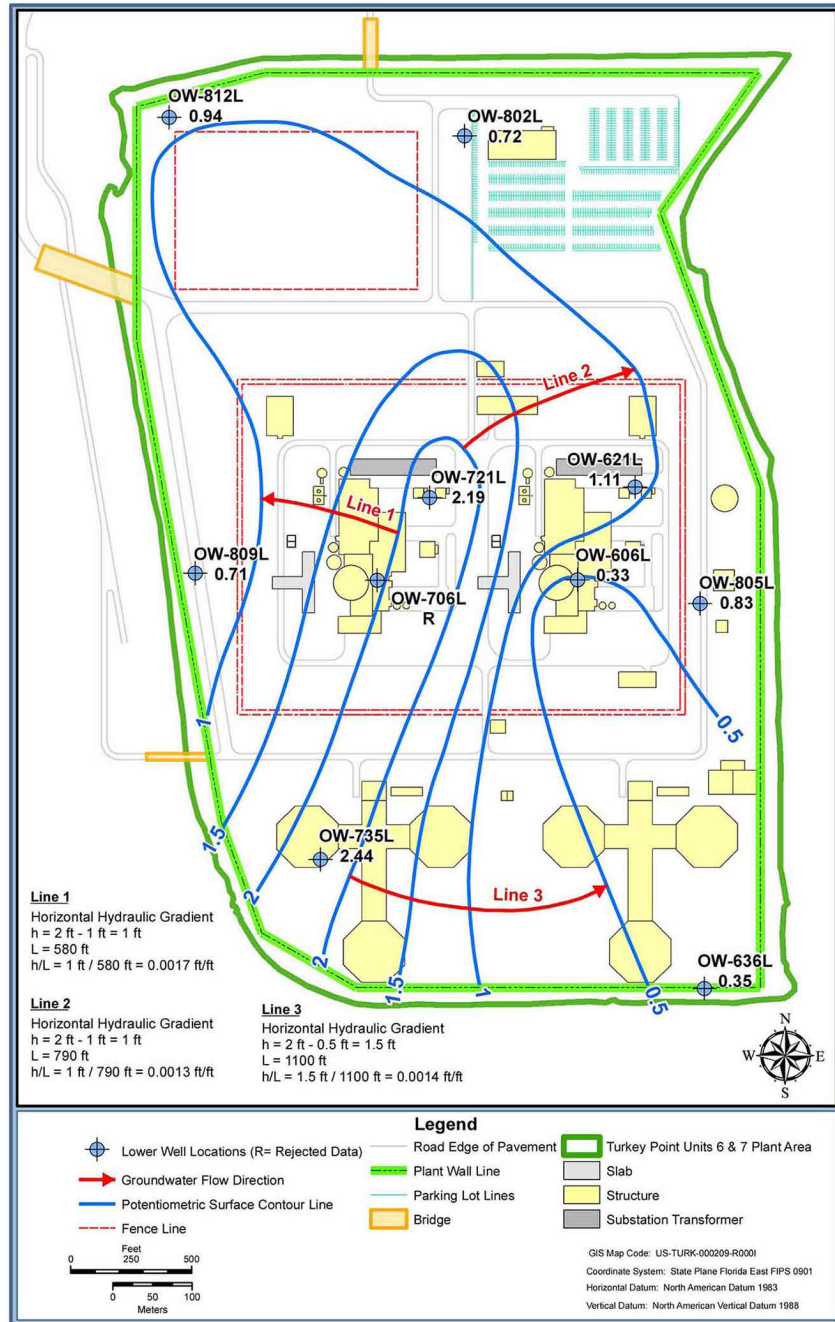


Figure 2.4.12-224 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, August 15, 2008 (Sheet 1 of 2) High Tide

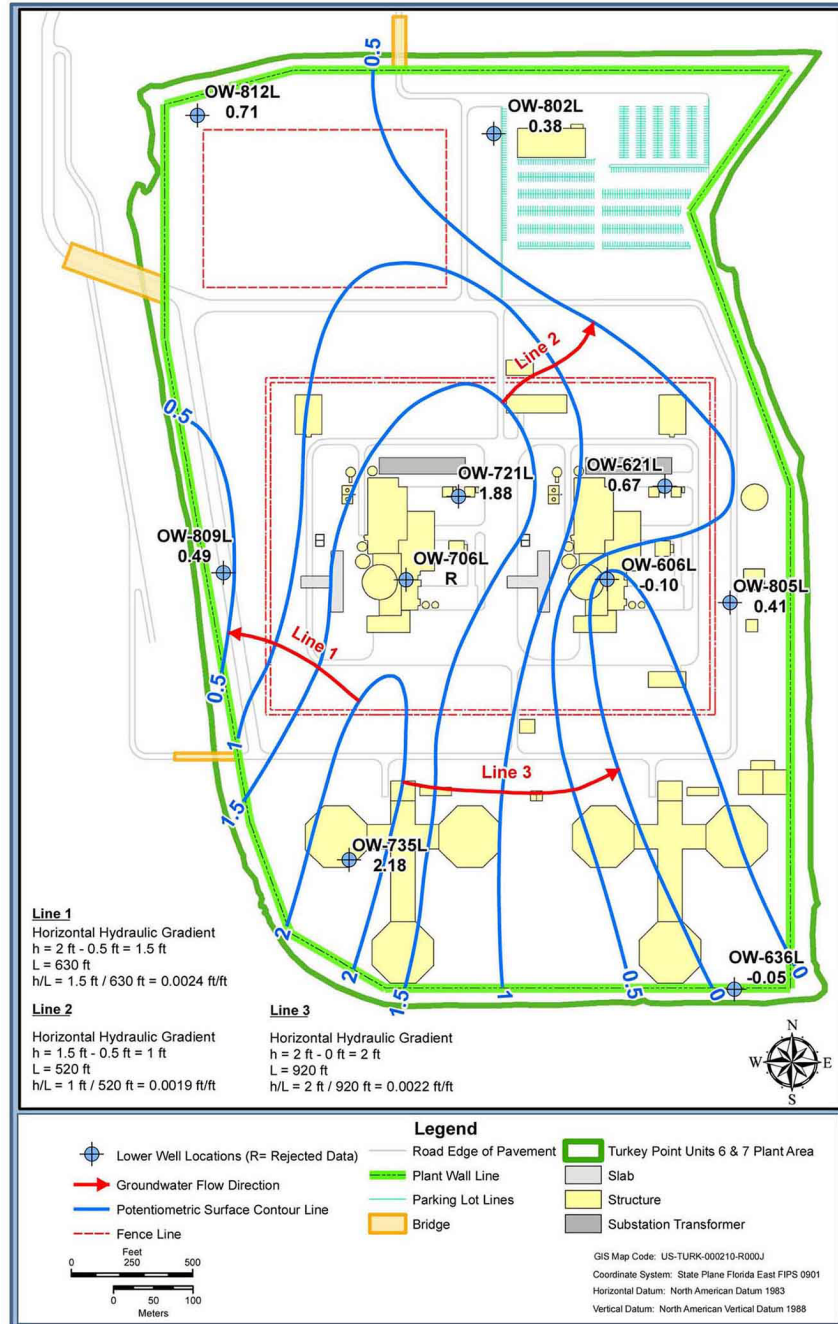


Figure 2.4.12-224 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, August 15, 2008 (Sheet 2 of 2) Low Tide

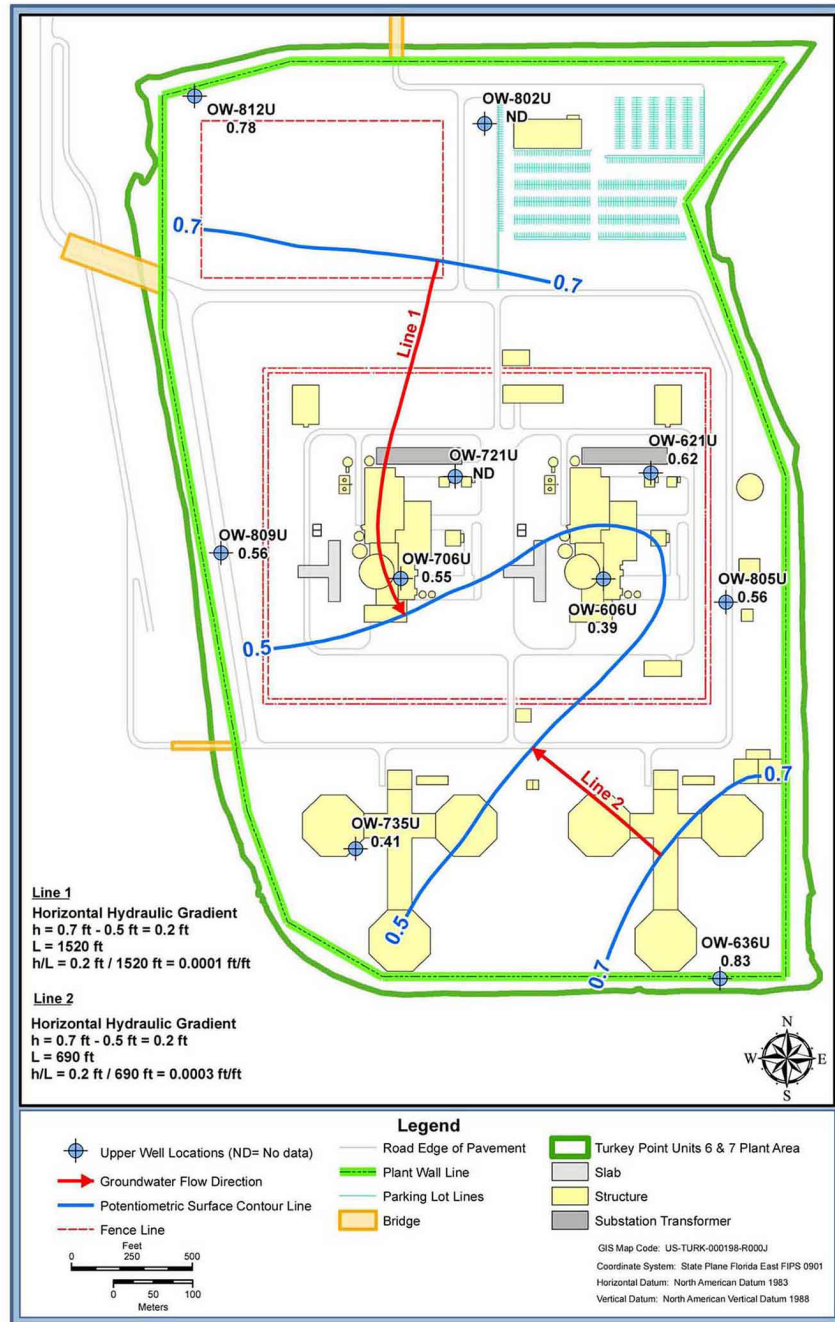


Figure 2.4.12-225 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, October 5, 2008 (Sheet 1 of 2) High Tide

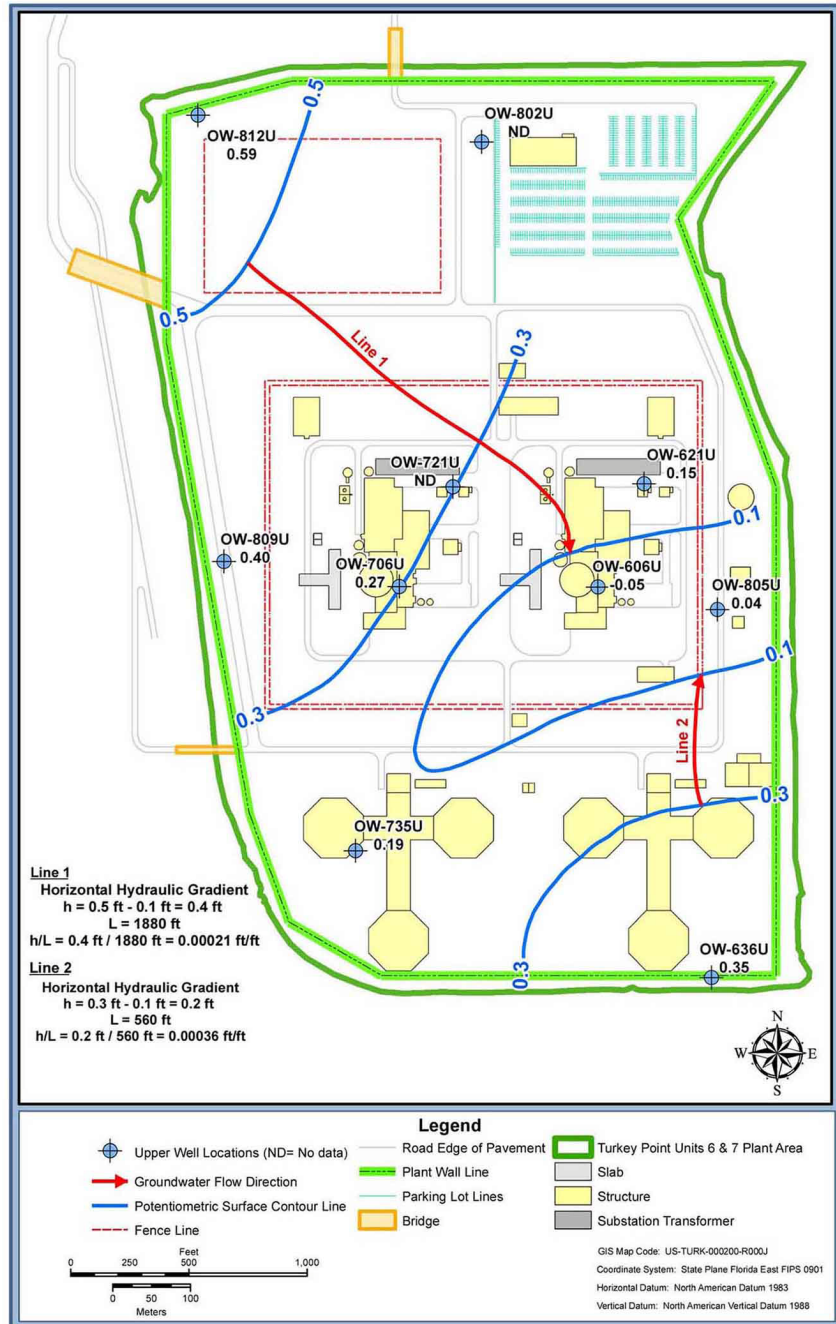


Figure 2.4.12-225 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, October 5, 2008 (Sheet 2 of 2) Low Tide