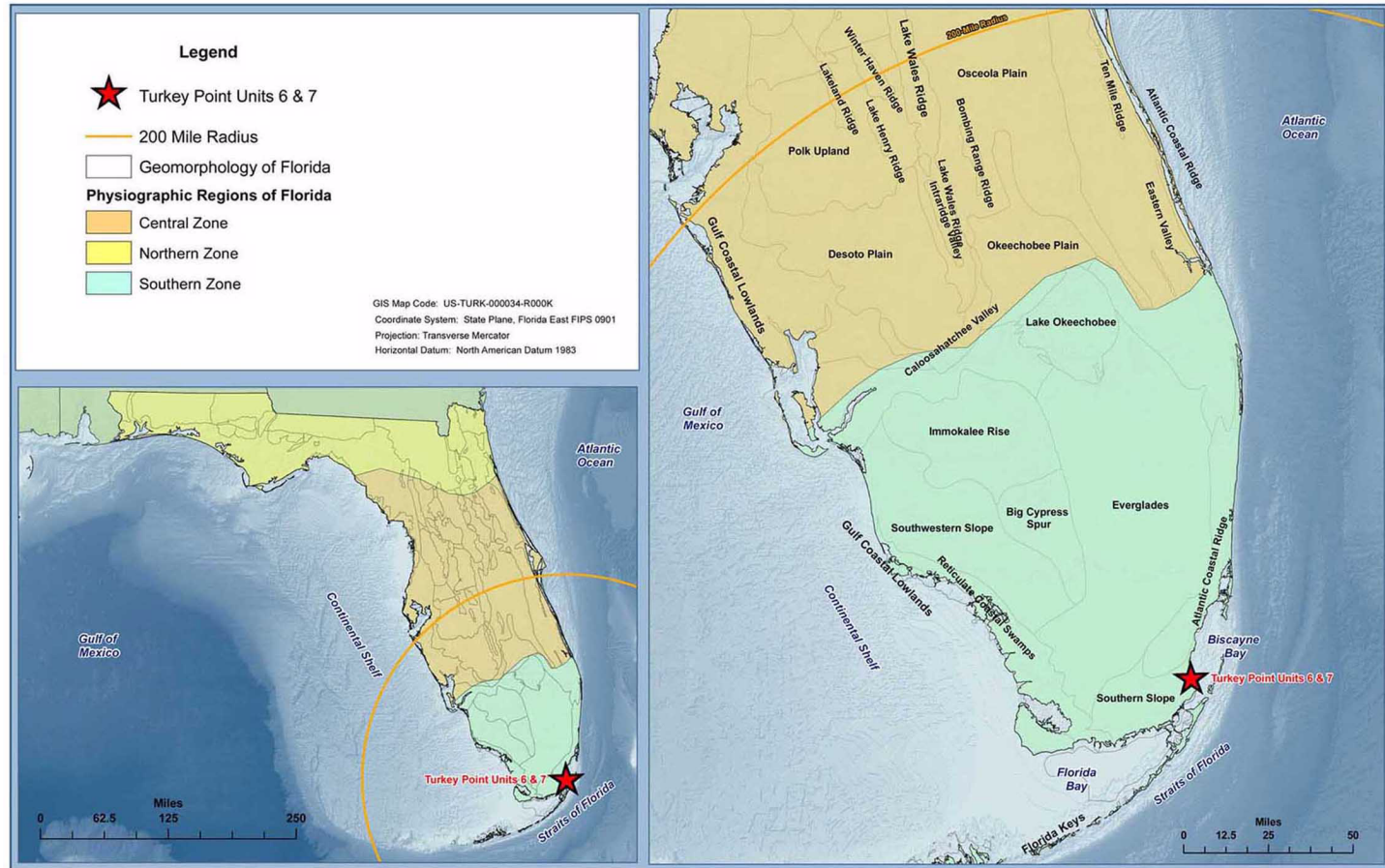


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Figure 2.4.12-201 Physiographic Features

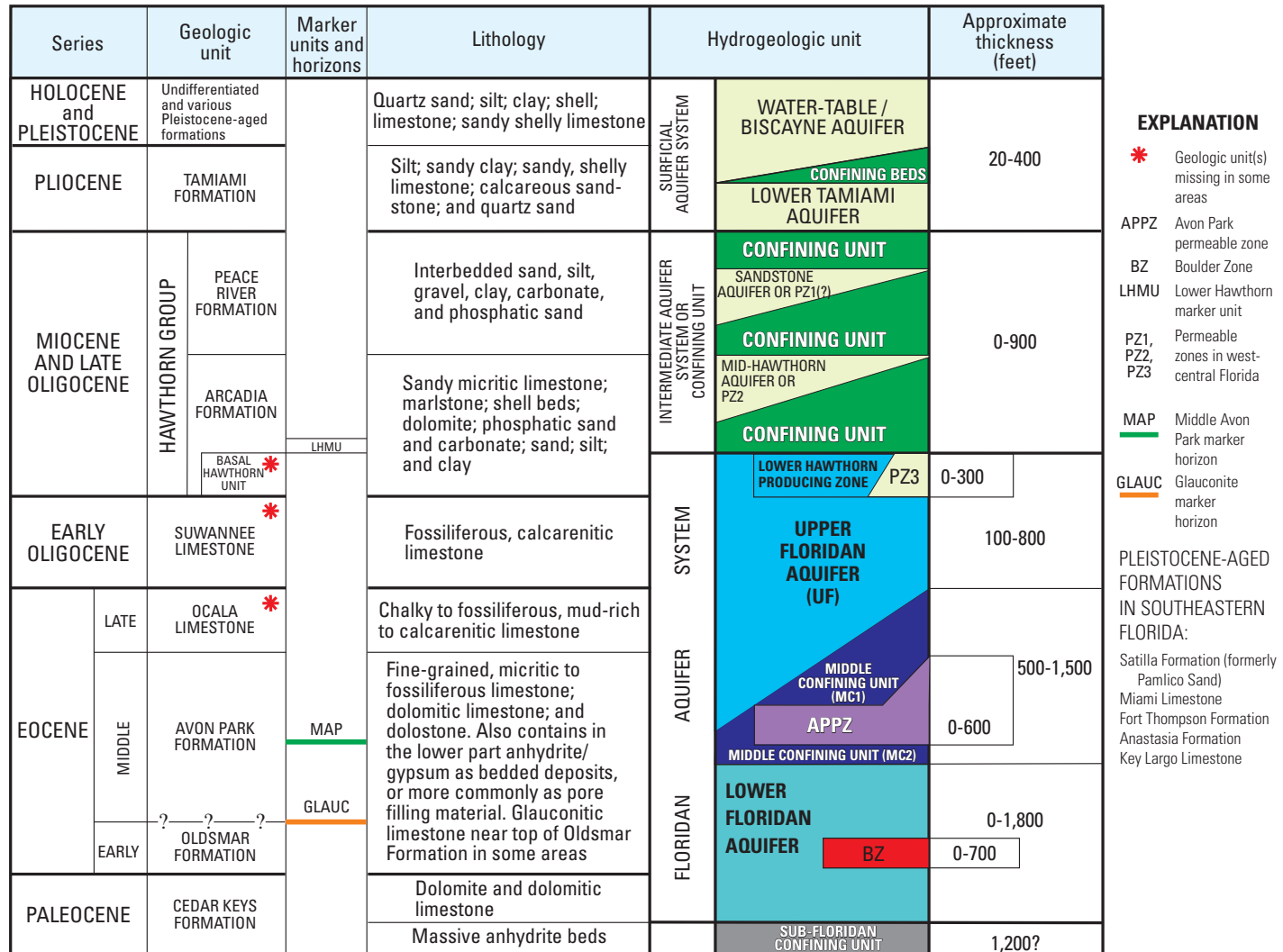


Modified from [References 201](#) and [202](#)
Note: Florida is within the Atlantic Coastal Plan physiographic province.

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Figure 2.4.12-202 Regional Generalized Hydrostratigraphic Column

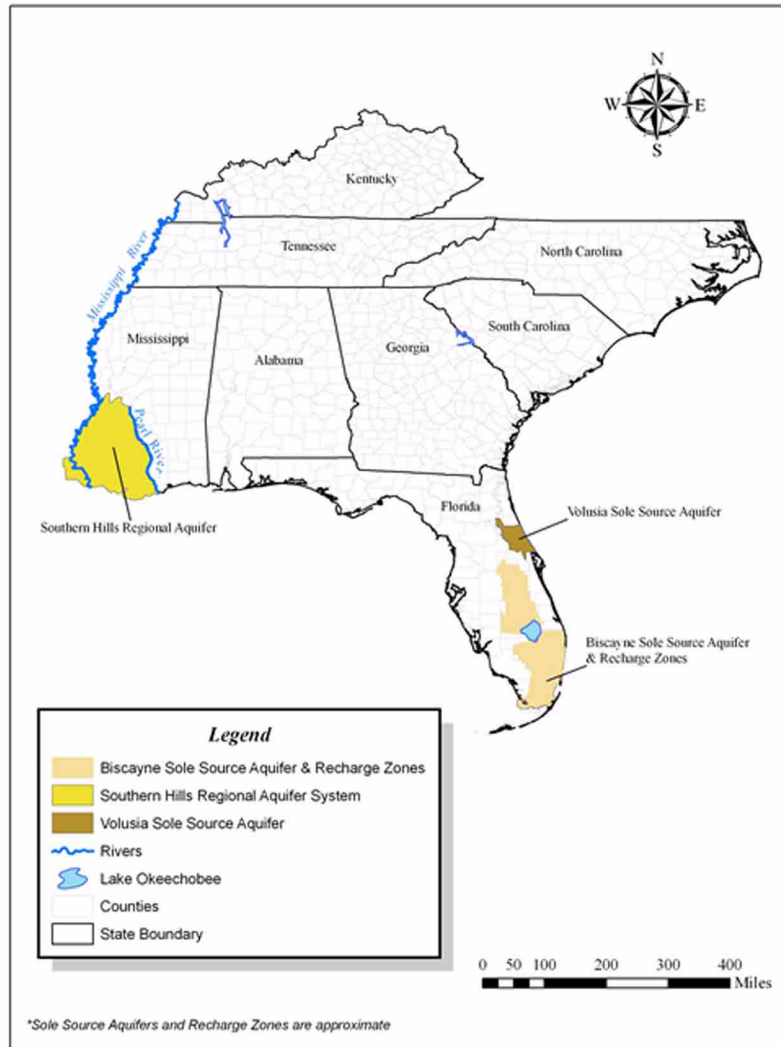


Source: Reference 206

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PTN COL 2.4-4

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



Source: Reference 205

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PTN COL 2.4-4

Figure 2.4.12-204 Site Hydrostatigraphic Column

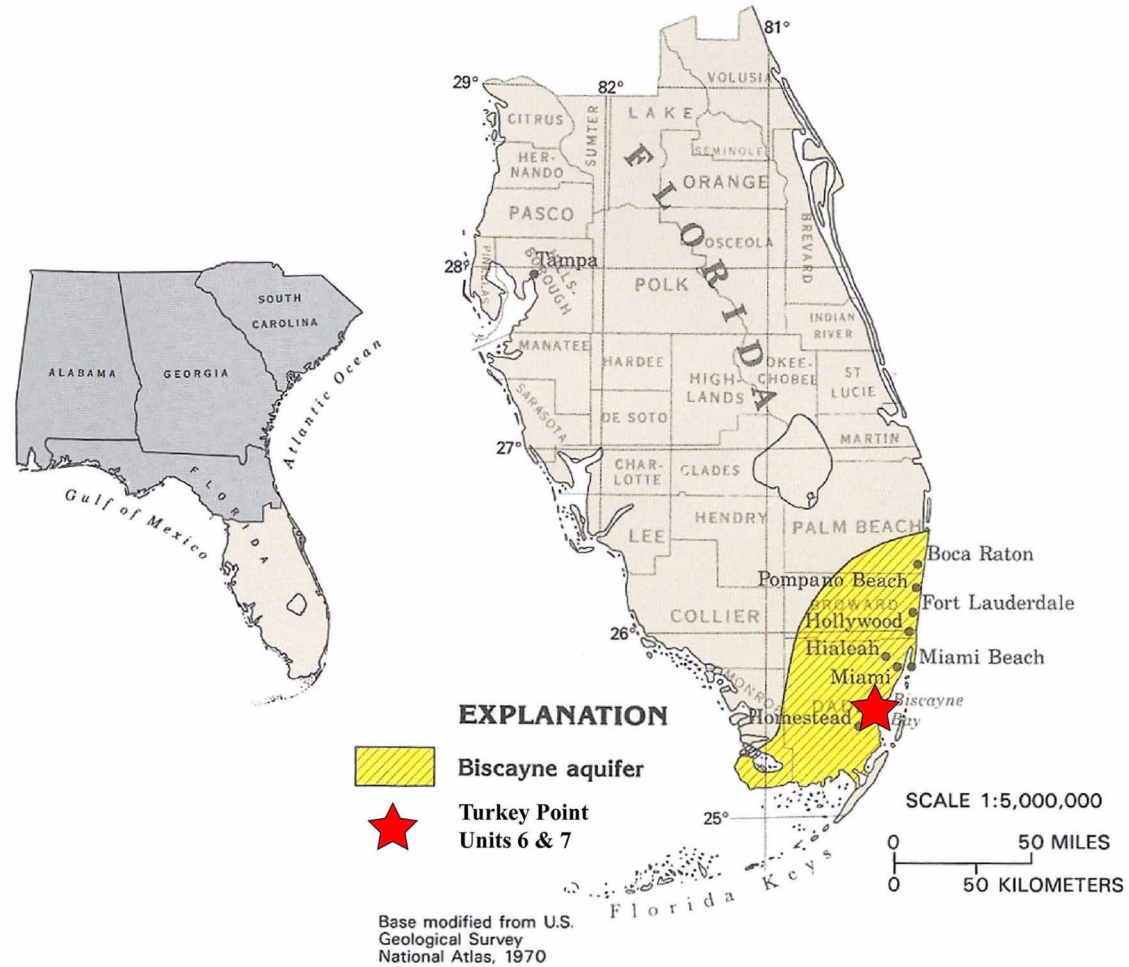
ERATHEM	SYSTEM	SERIES	HYDRO- GEOLOGIC UNIT		STRATIGRAPHIC UNIT	LITHOLOGY	APPROXIMATE TOP ELEVATION (ft NAVD 88)	APPROXIMATE THICKNESS (ft)	
CENEZOIC	QUATERNARY	HOLOCENE			organic muck	organic soil and silt	0	3	
		PLEISTOCENE	Surficial aquifer system	Biscayne aquifer	Miami Limestone	sandy, oolitic limestone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

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

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

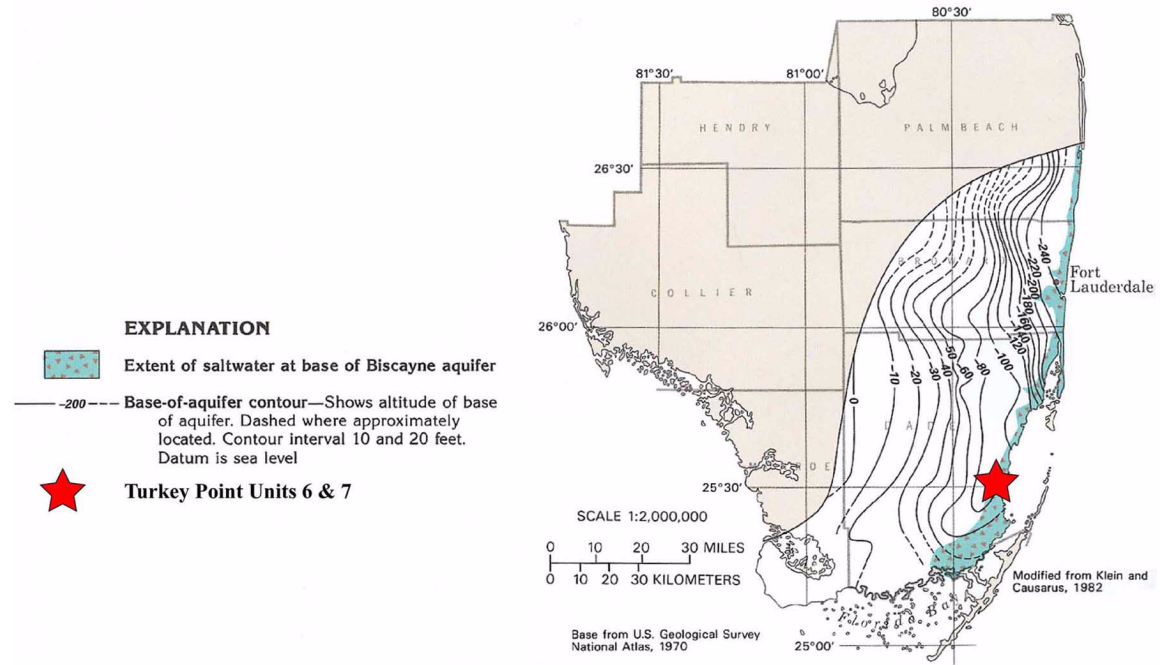


Modified from Reference 210

Turkey Point Units 6 & 7
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PTN COL 2.4-4

Figure 2.4.12-206 Base of the Biscayne Aquifer

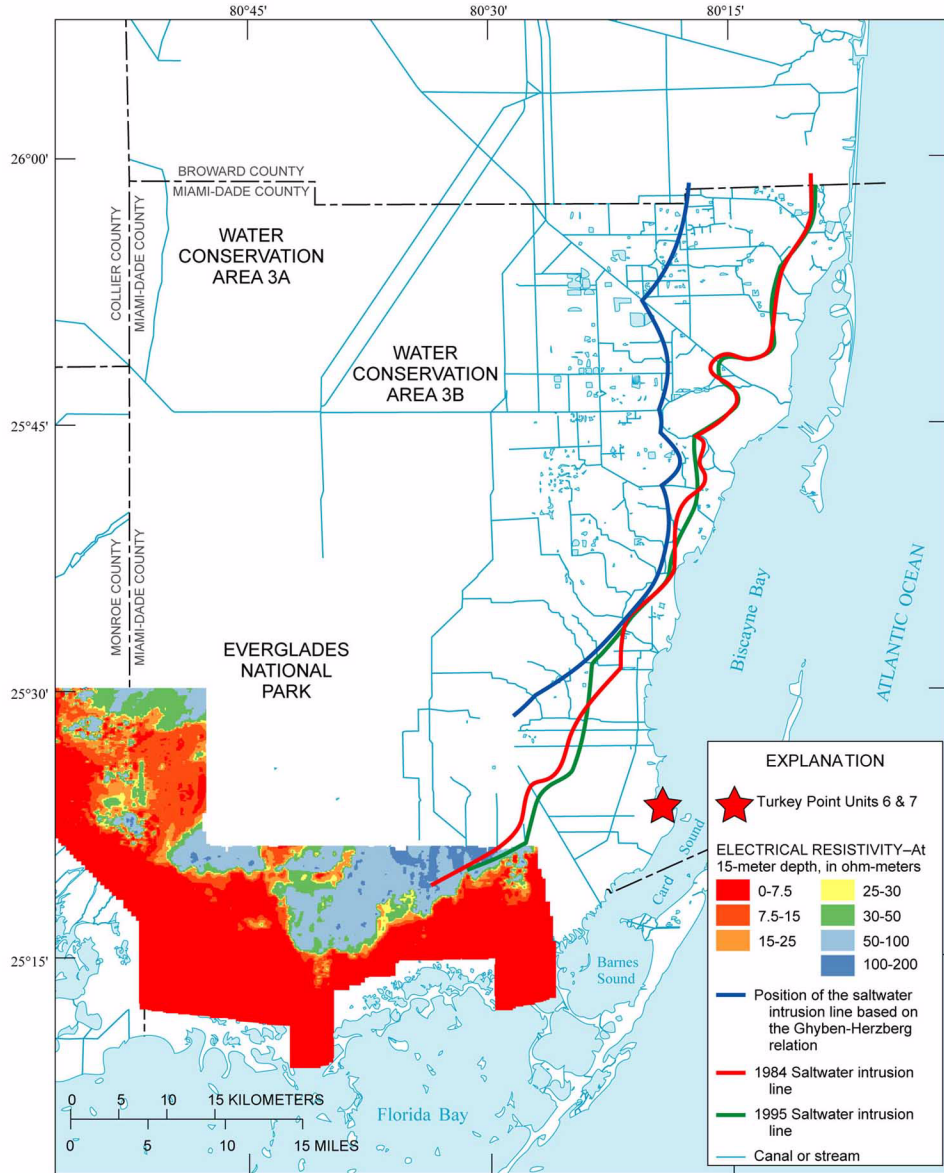


Modified from Reference 210

Turkey Point Units 6 & 7
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 Part 2 — FSAR

PTN COL 2.4-4

Figure 2.4.12-207 Location of the Freshwater-Saltwater Interface

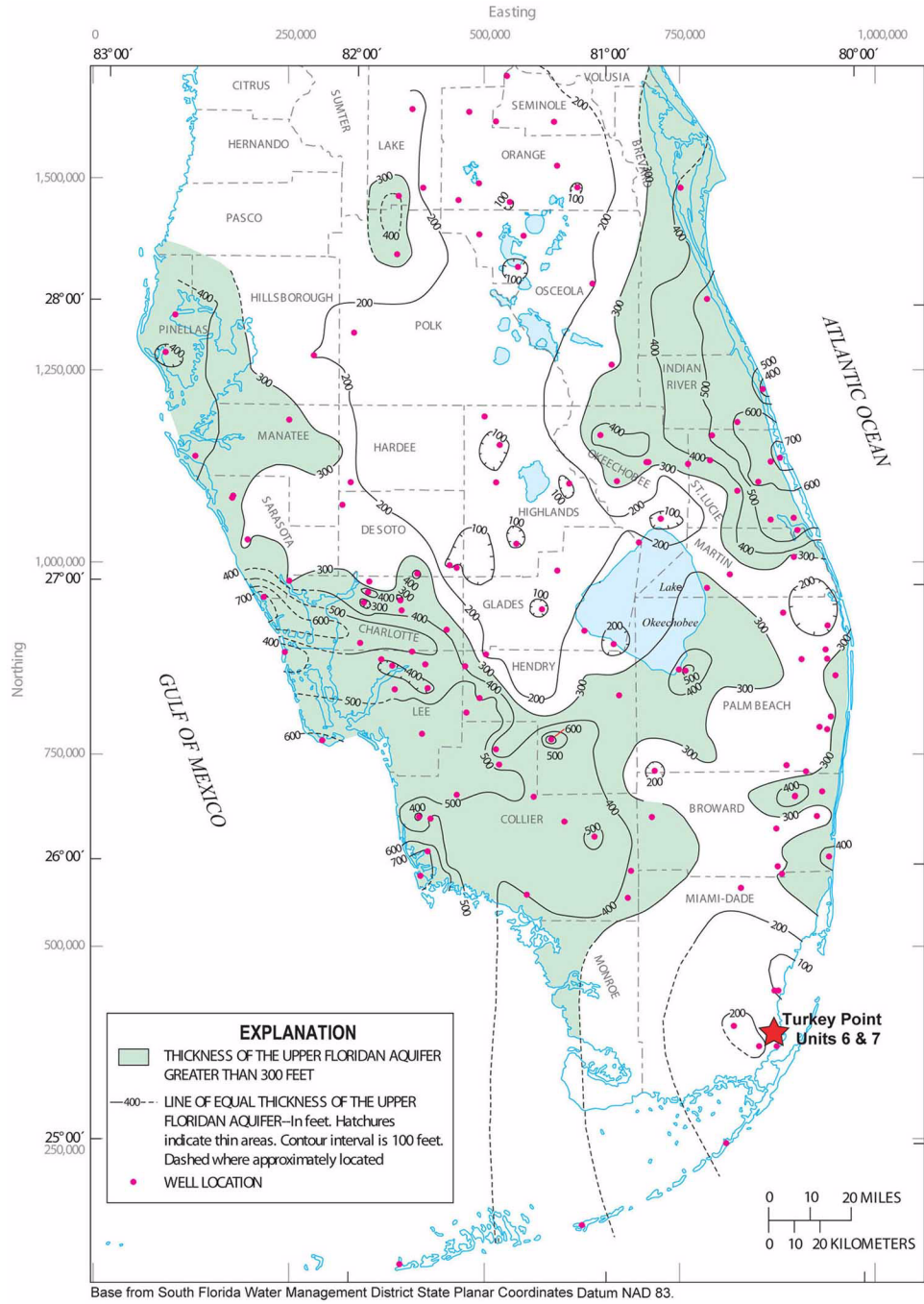


Modified from Reference 212

Turkey Point Units 6 & 7
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PTN COL 2.4-4

Figure 2.4.12-208 Thickness of the Upper Floridan Aquifer

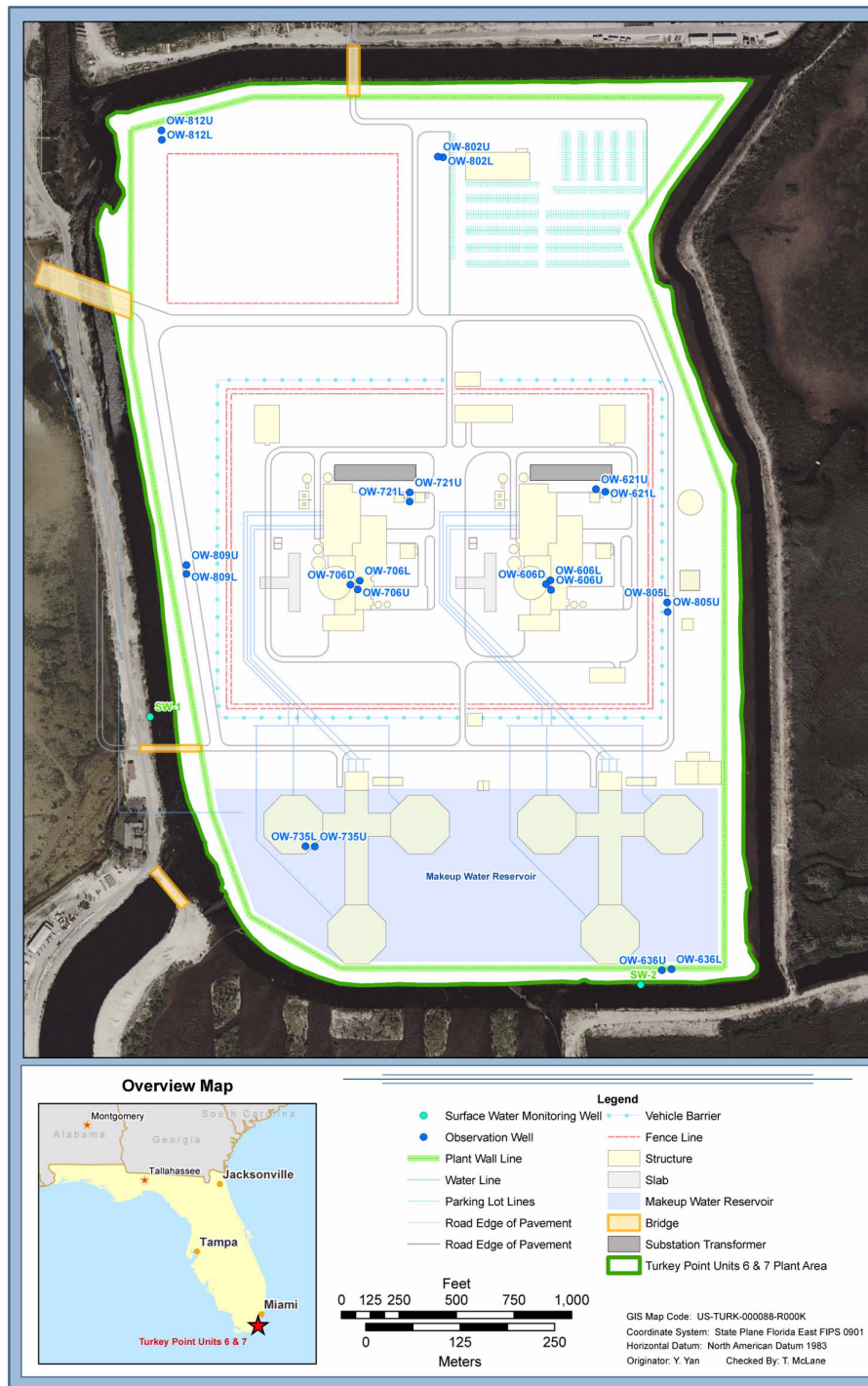


Modified from Reference 206

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Figure 2.4.12-209 Units 6 & 7 Observation Well Locations



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PTN COL 2.4-4

Figure 2.4.12-210 Industrial Wastewater Facility



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PTN COL 2.4-4

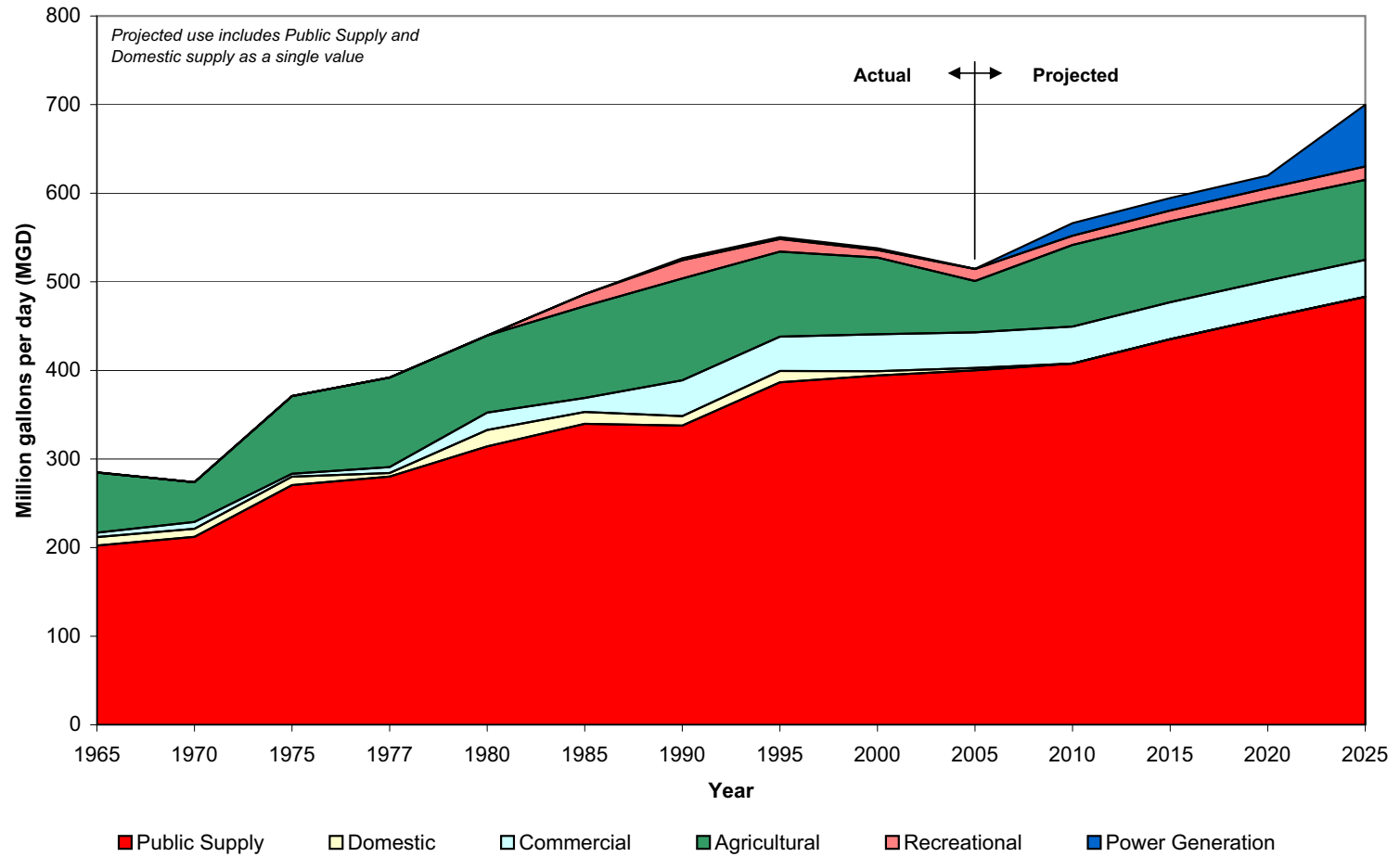
Figure 2.4.12-211 Upper Floridan Aquifer Production Wells for Unit 5



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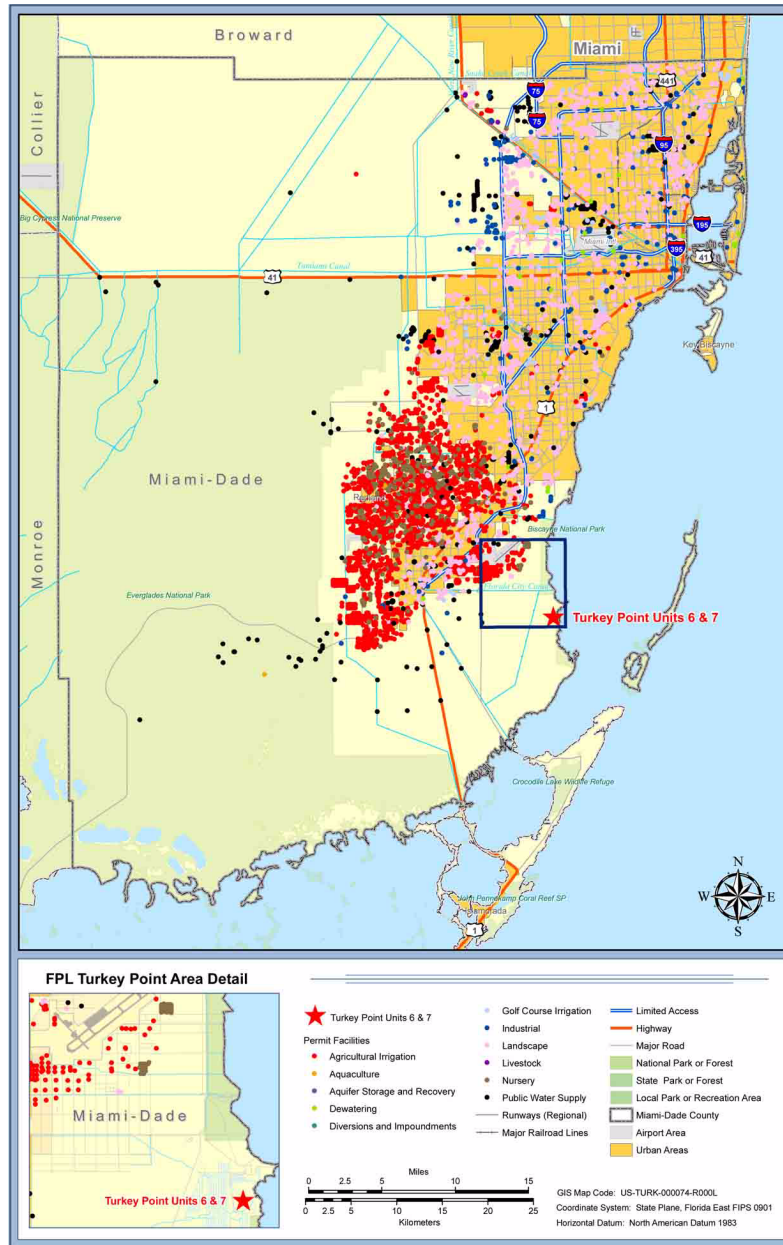
Figure 2.4.12-212 Withdrawals of Groundwater in Miami-Dade County



Source: Table 2.4.12-202

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PTN COL 2.4-4 **Figure 2.4.12-213 SFWMD Freshwater Well Permits in Miami-Dade County**

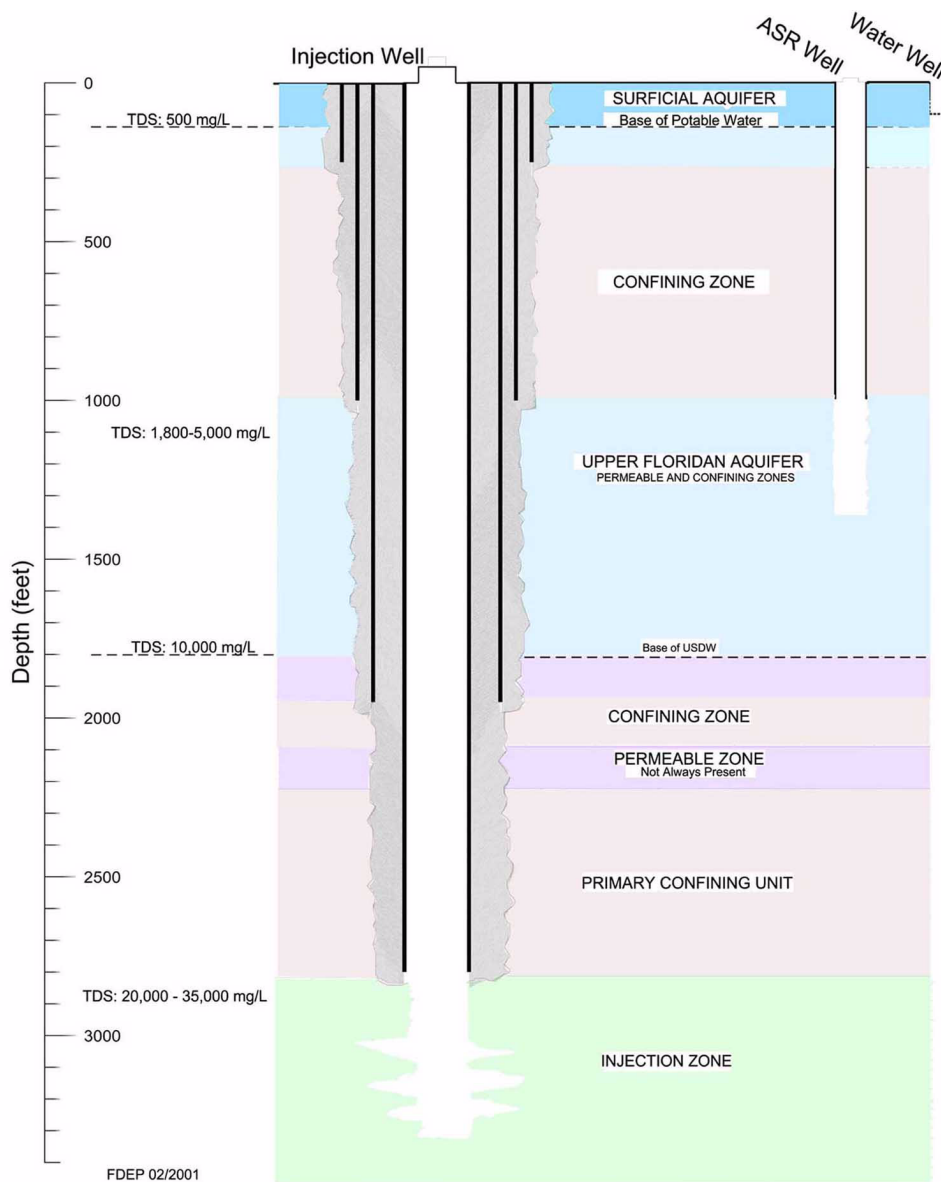


Source: Reference 227

Turkey Point Units 6 & 7
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PTN COL 2.4-4

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

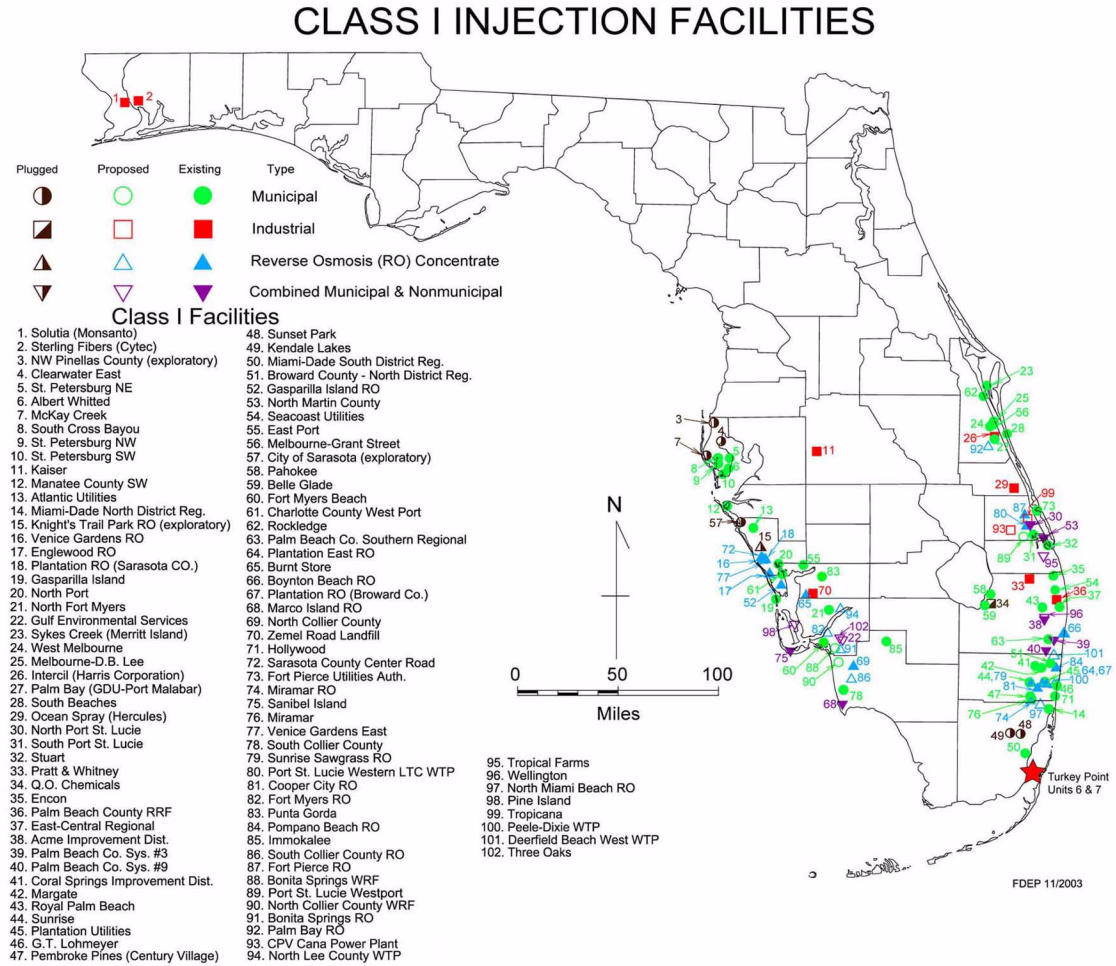


Source: Reference 229

Turkey Point Units 6 & 7
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Figure 2.4.12-215 Locations of Class I Injection Facilities in Florida

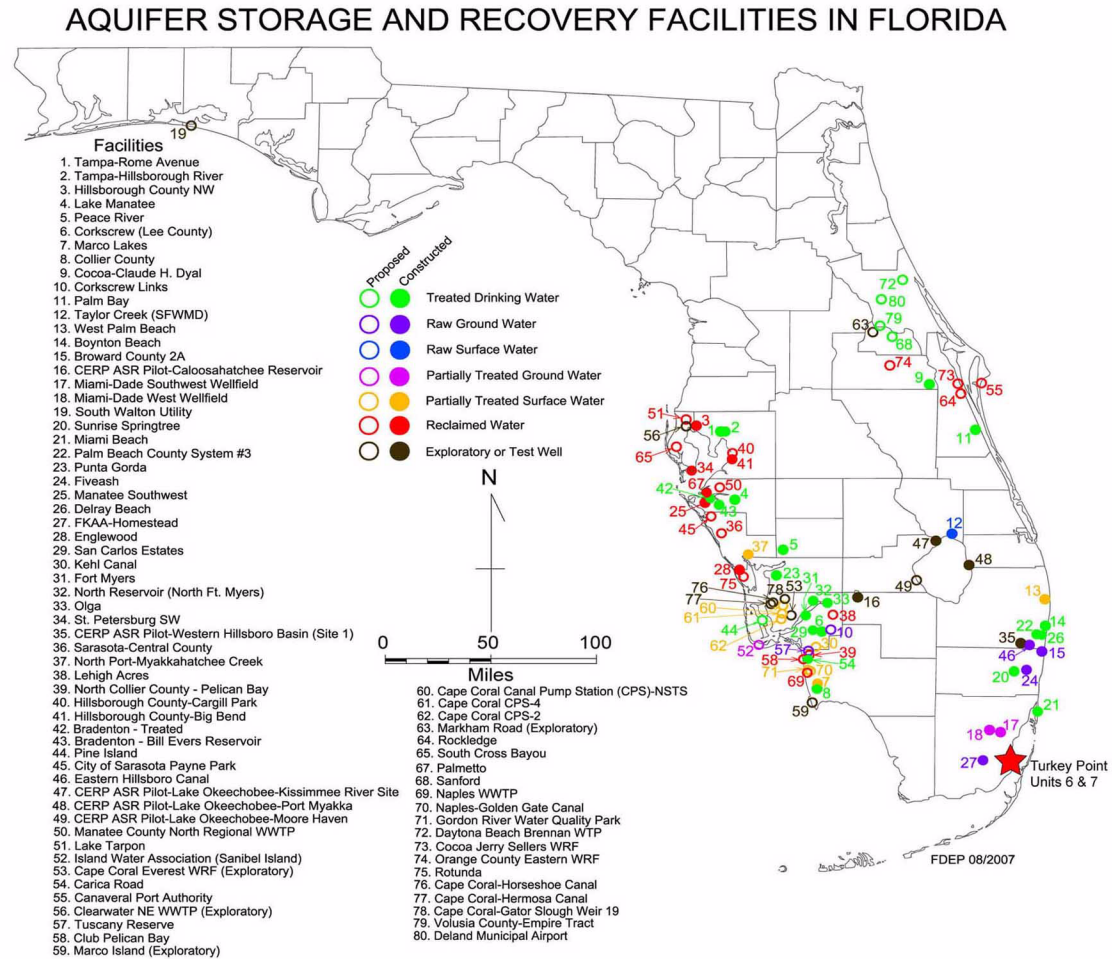


Modified from Reference 229

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

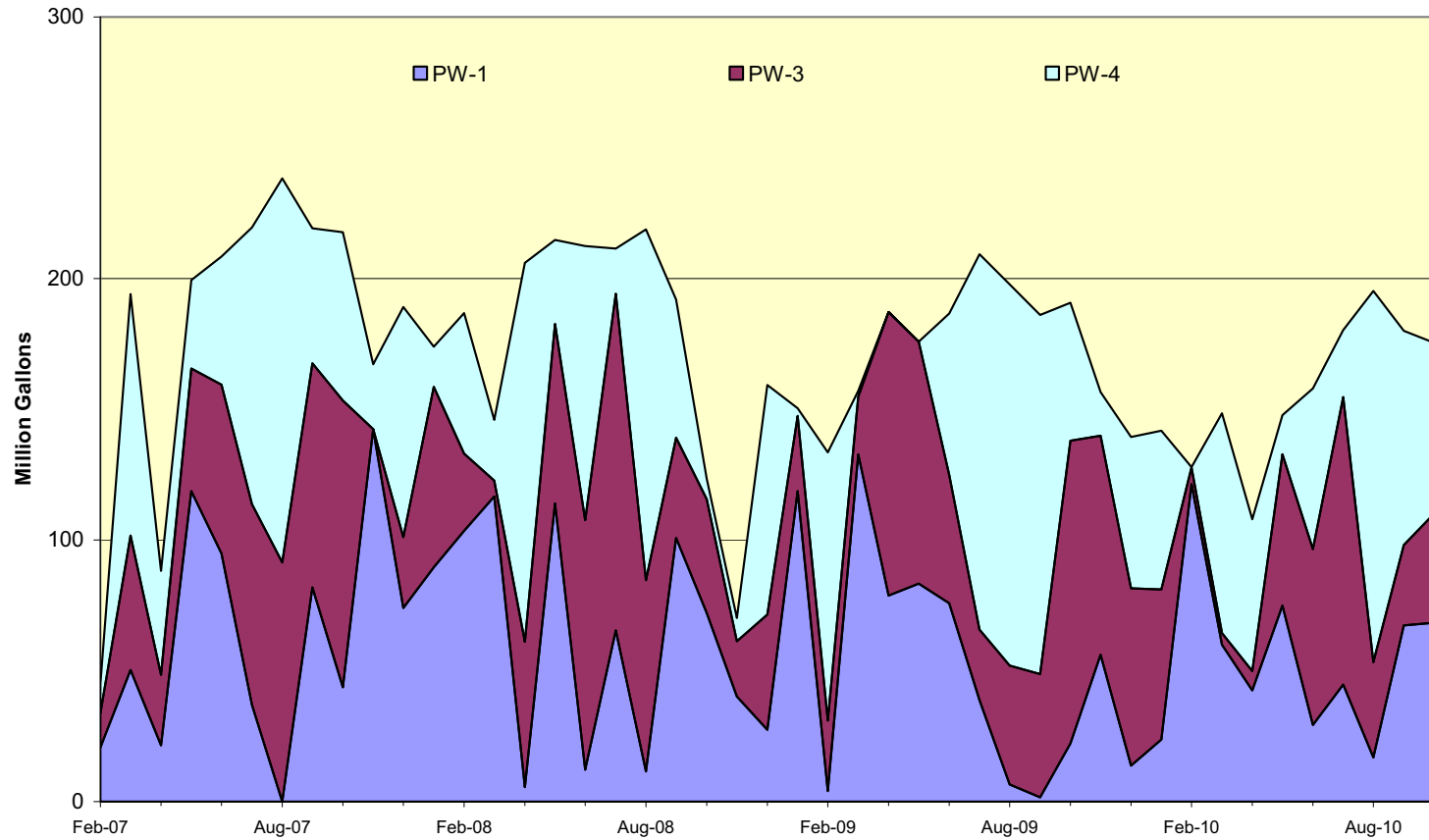


Modified from Reference 229

Turkey Point Units 6 & 7
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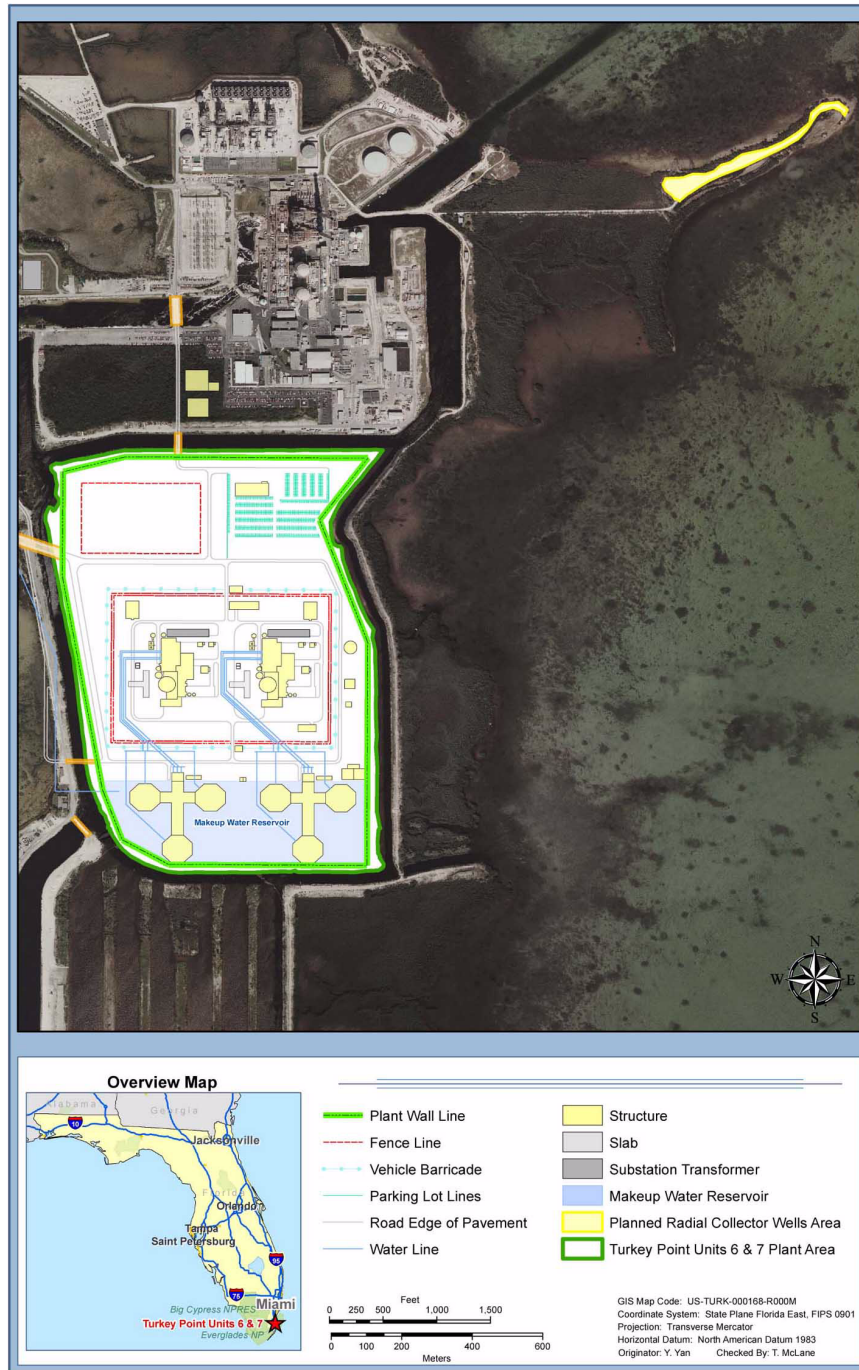
Figure 2.4.12-217 Turkey Point Upper Floridan Aquifer Saline Groundwater Use



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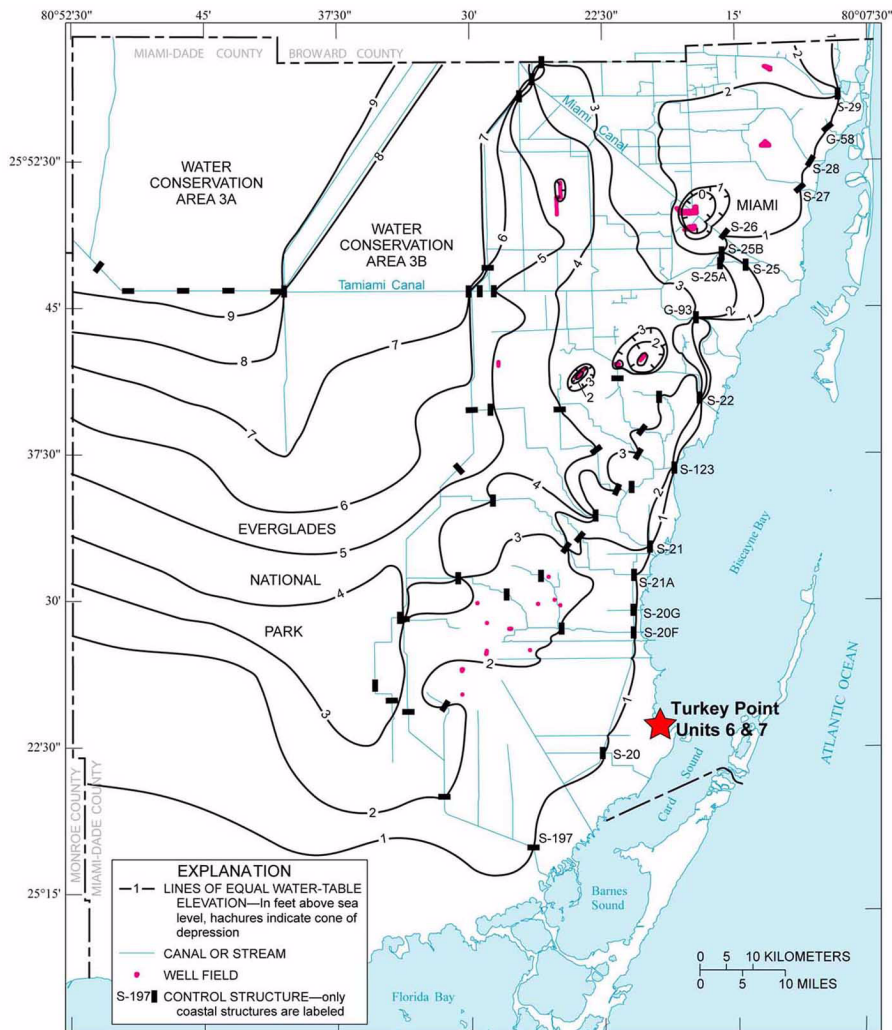
PTN COL 2.4-4

Figure 2.4.12-218 Location of Radial Collector Wells



Turkey Point Units 6 & 7
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PTN COL 2.4-4 **Figure 2.4.12-219** May 1993 Biscayne Aquifer Potentiometric Surface Map

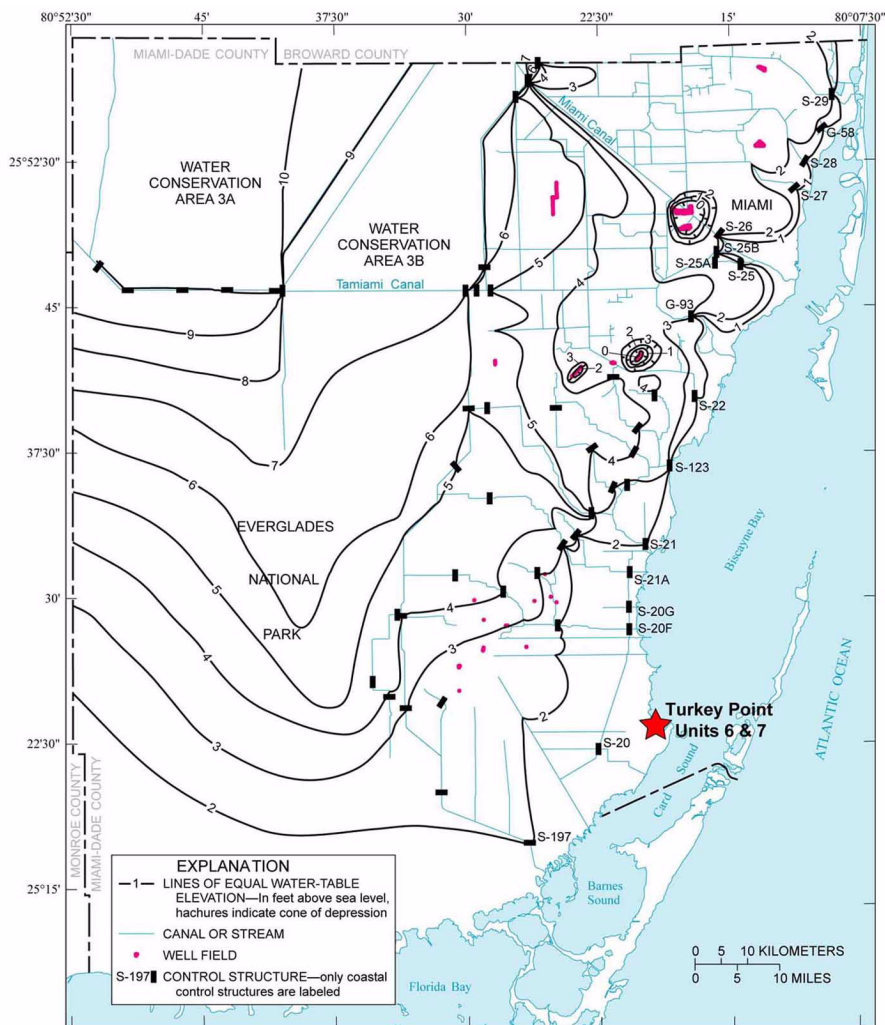


Modified from Reference 212

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Figure 2.4.12-220 November 1993 Biscayne Aquifer Potentiometric Surface Map

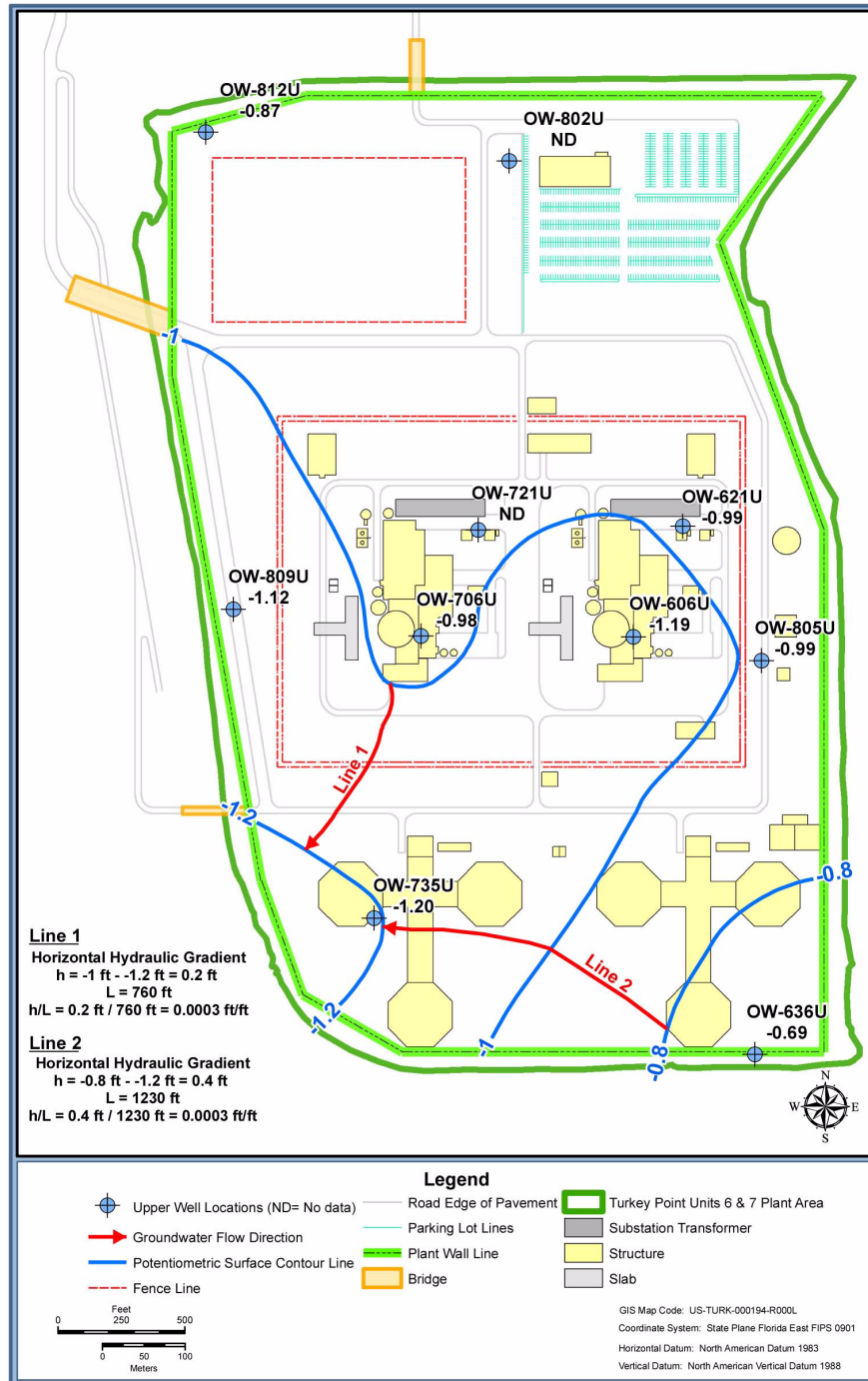


Modified from Reference 212

Turkey Point Units 6 & 7
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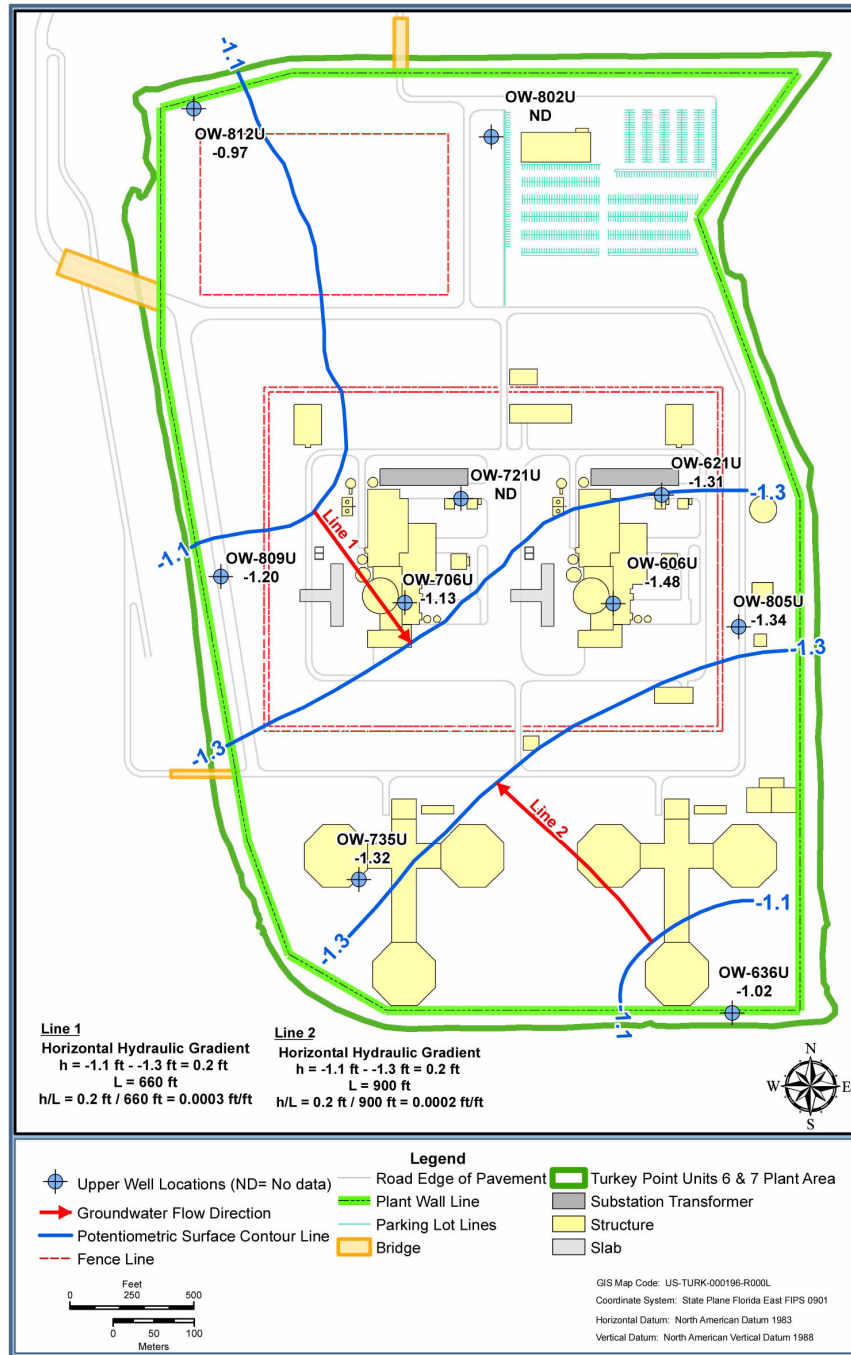
Figure 2.4.12-221 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, June 29, 2008 (Sheet 1 of 2) High Tide



Turkey Point Units 6 & 7
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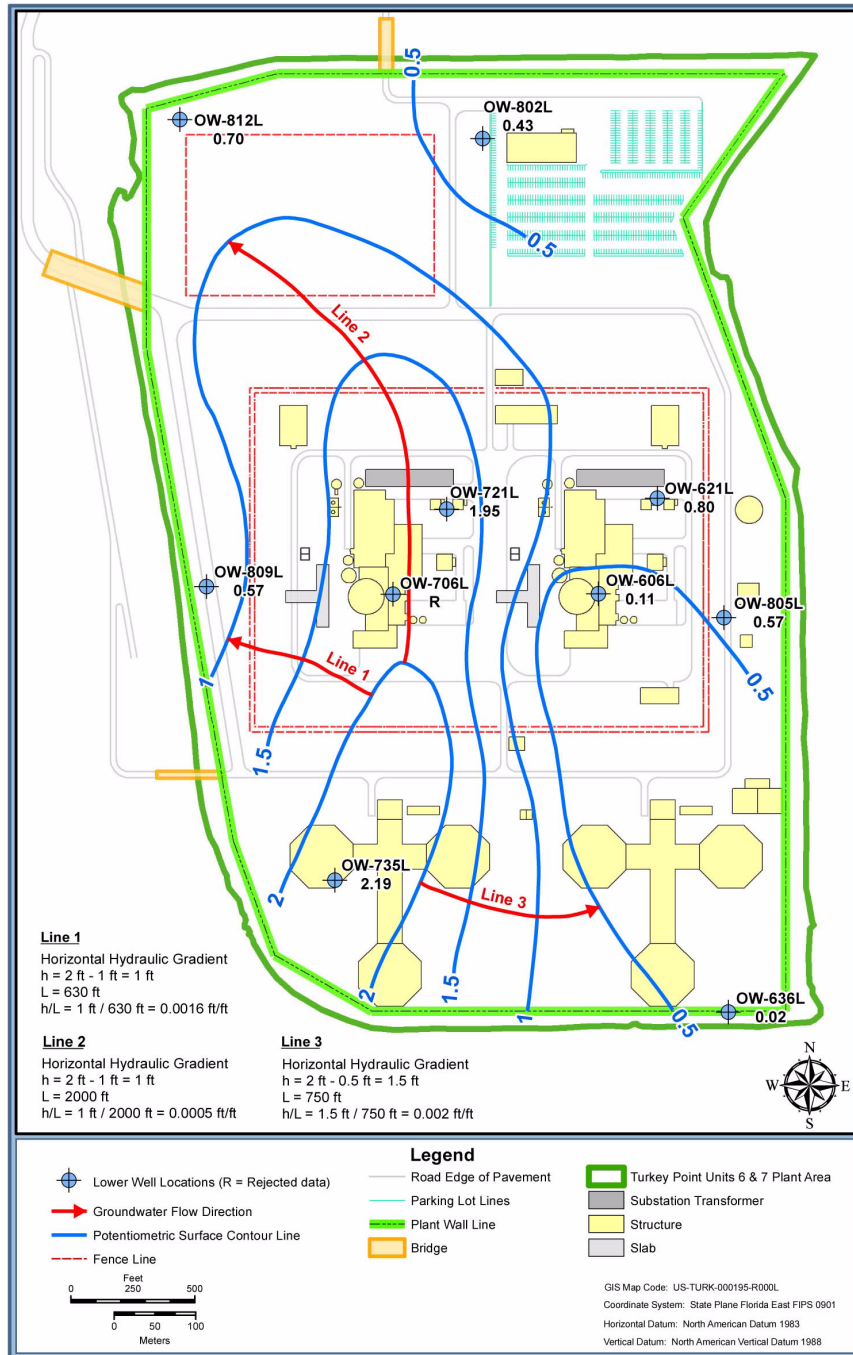
Figure 2.4.12-221 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, June 29, 2008 (Sheet 2 of 2) Low Tide



Turkey Point Units 6 & 7
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Figure 2.4.12-222 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, June 29, 2008 (Sheet 1 of 2) High Tide



Turkey Point Units 6 & 7
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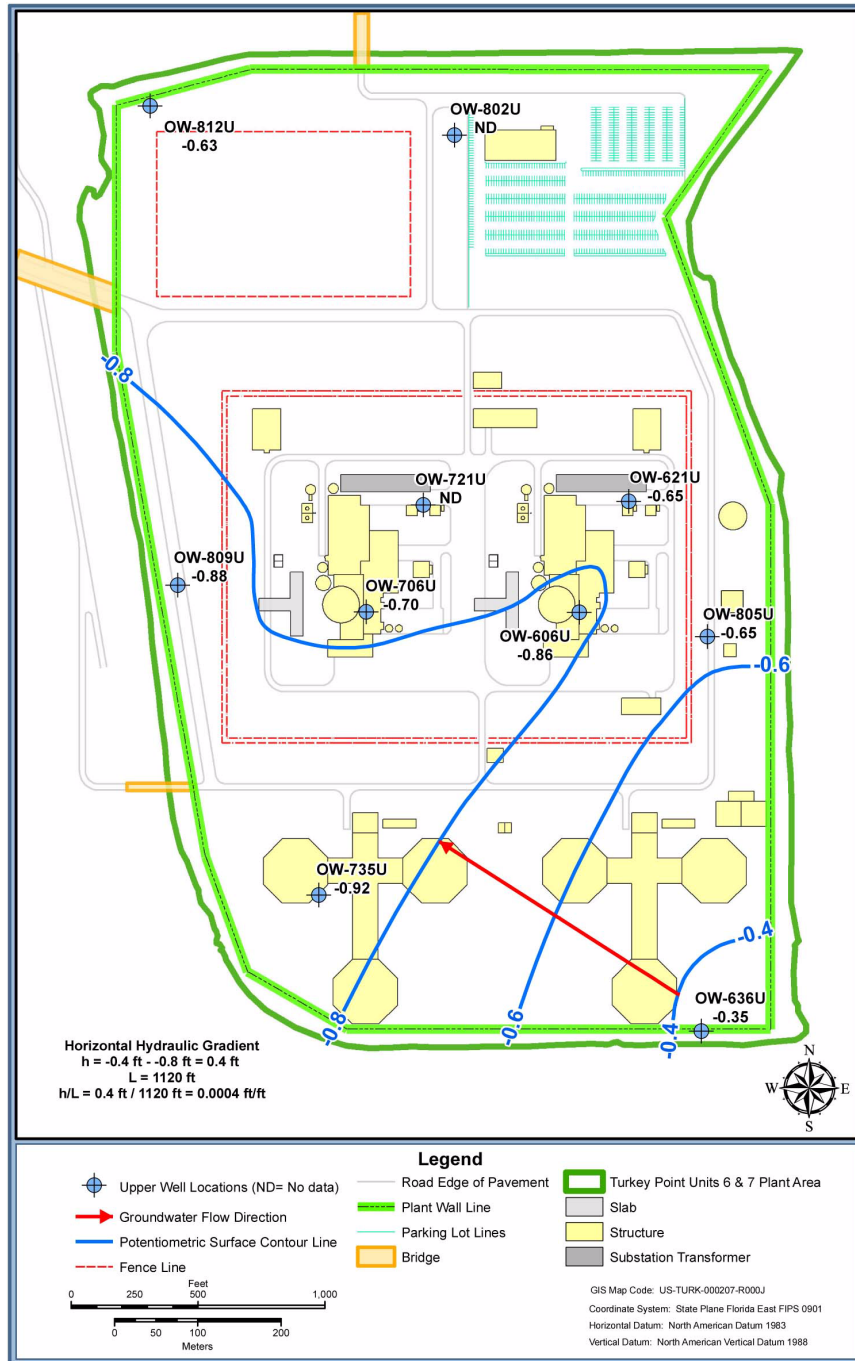
Figure 2.4.12-222 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, June 29, 2008 (Sheet 2 of 2) Low Tide



Turkey Point Units 6 & 7
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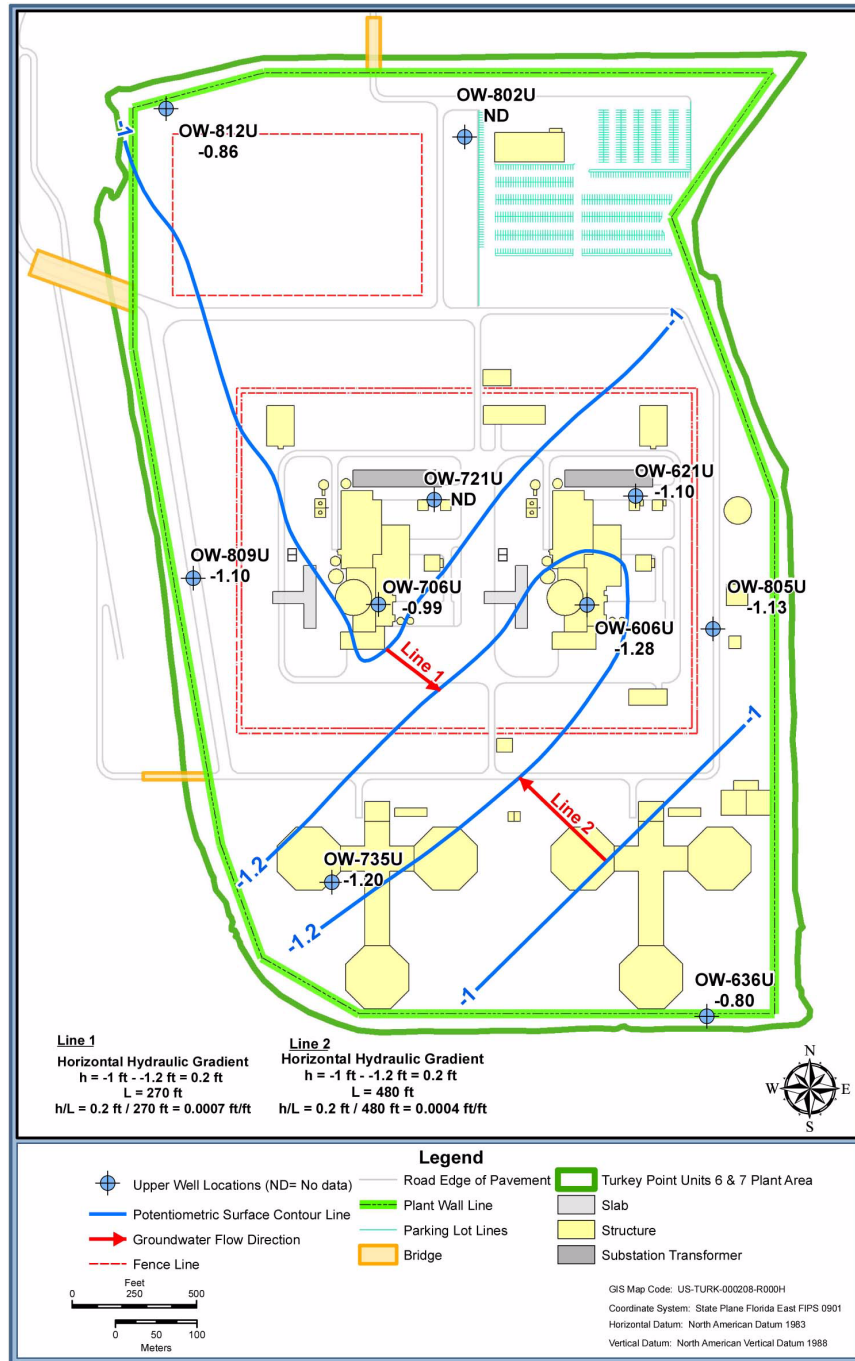
Figure 2.4.12-223 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, August 15, 2008 (Sheet 1 of 2) High Tide



Turkey Point Units 6 & 7
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PTN COL 2.4-4

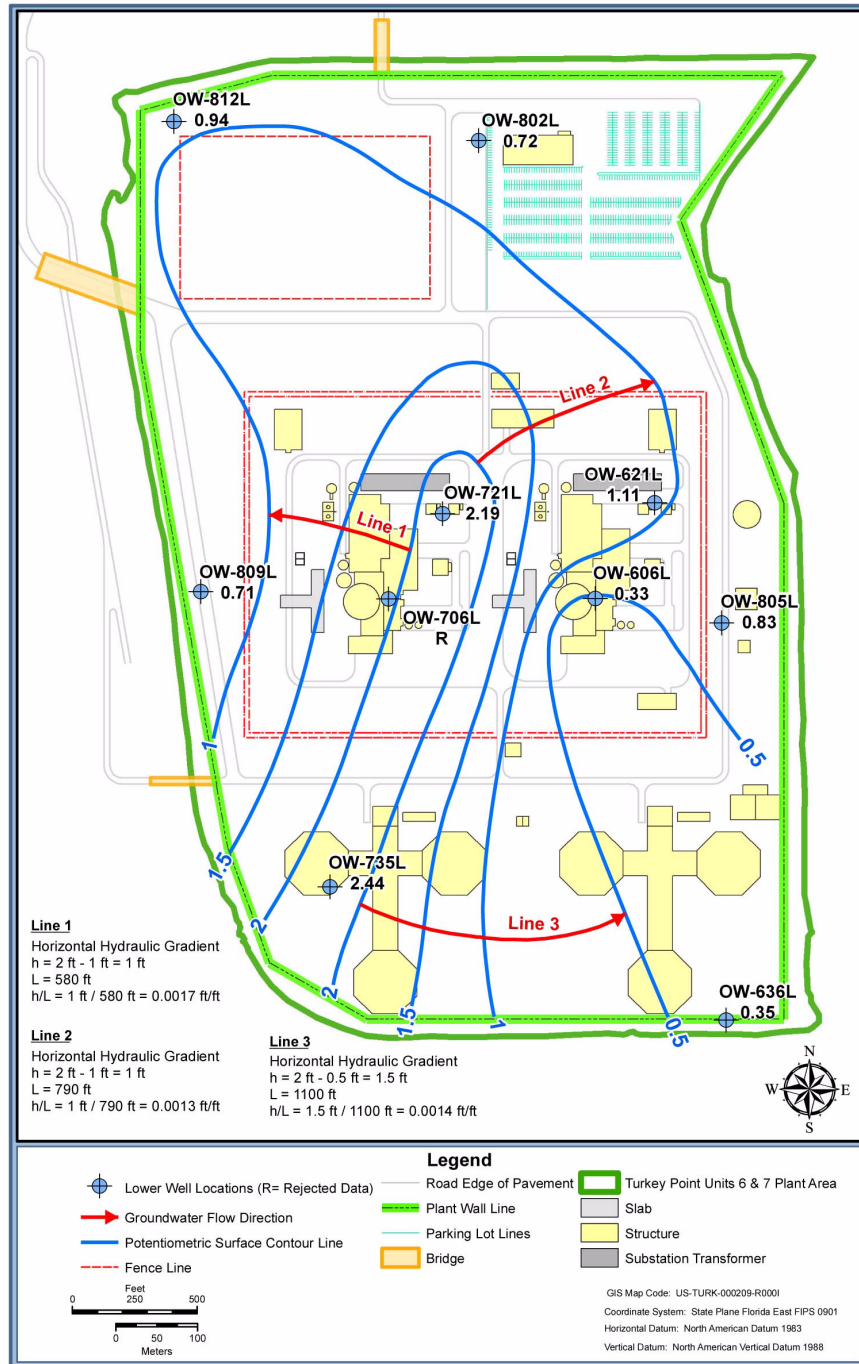
Figure 2.4.12-223 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, August 15, 2008 (Sheet 2 of 2) Low Tide



Turkey Point Units 6 & 7
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PTN COL 2.4-4

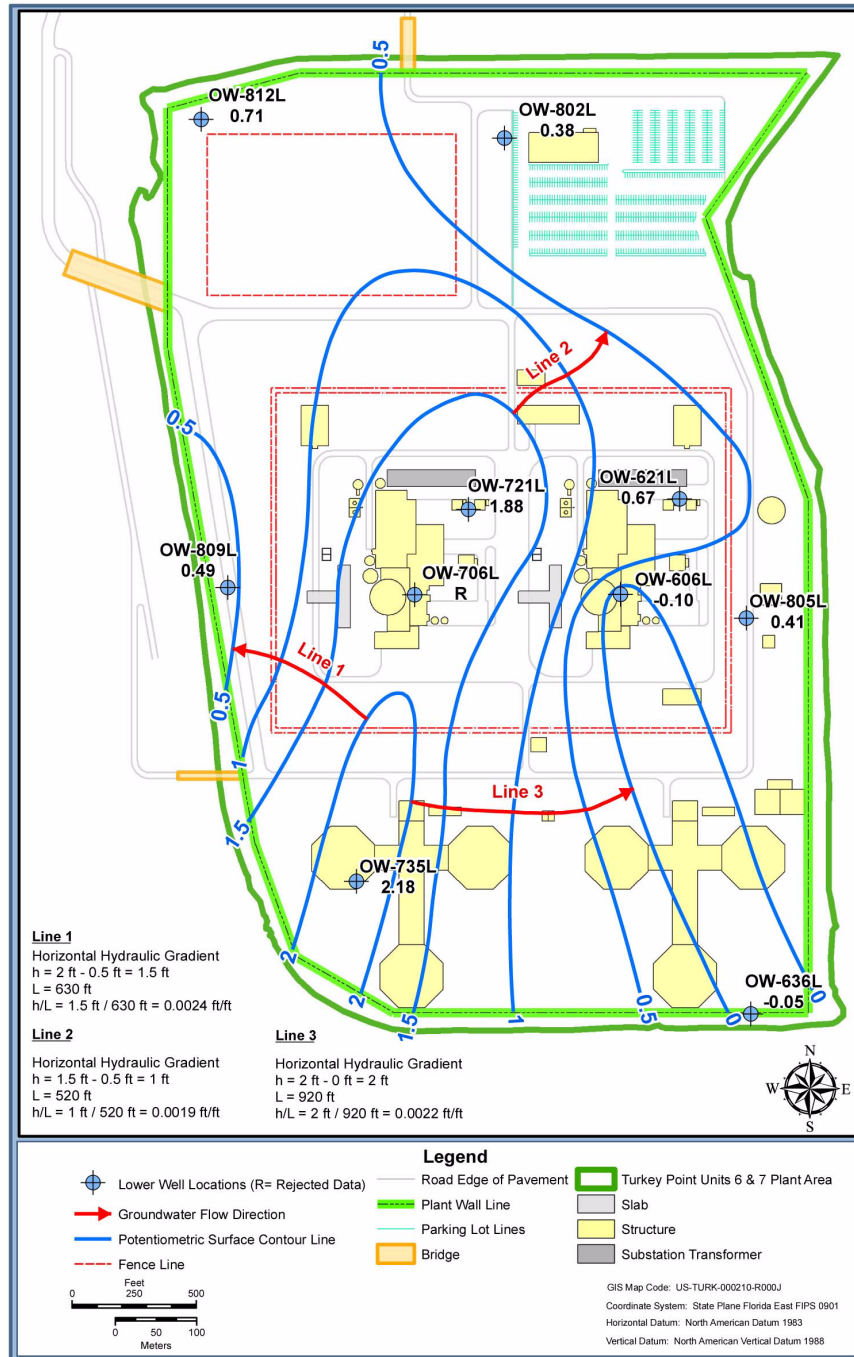
Figure 2.4.12-224 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, August 15, 2008 (Sheet 1 of 2) High Tide



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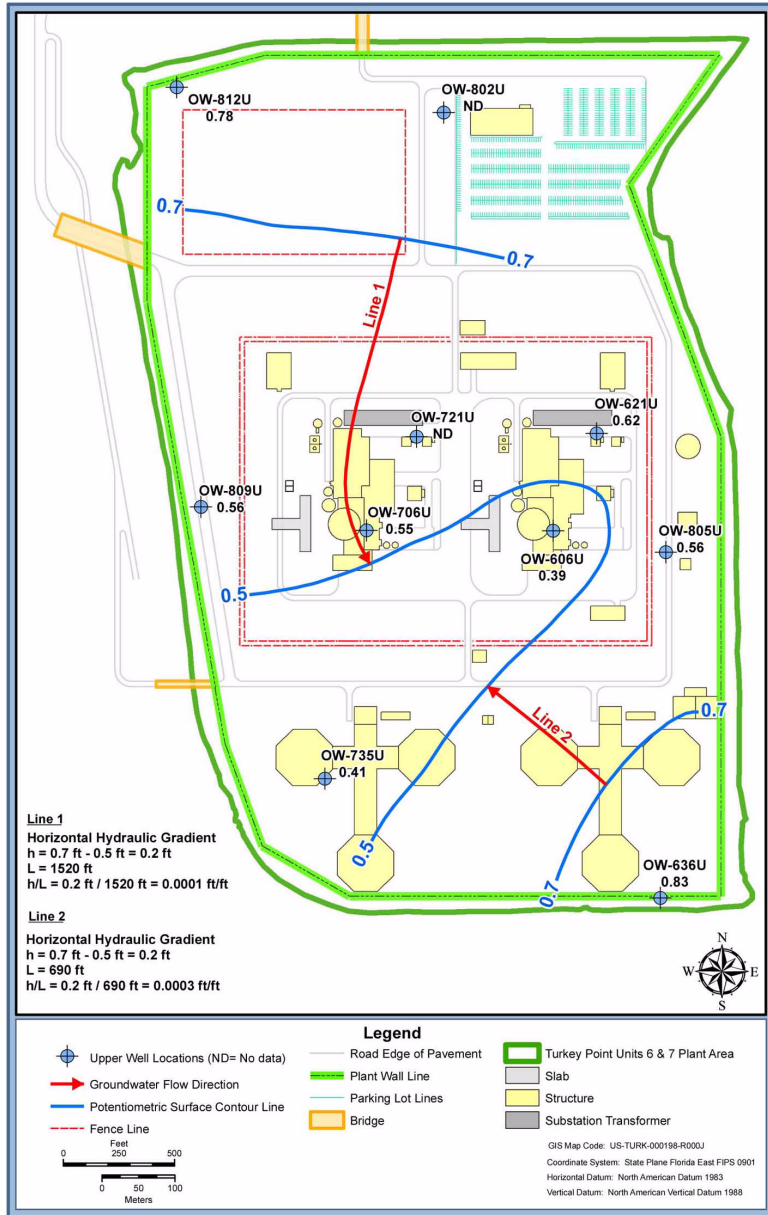
Figure 2.4.12-224 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, August 15, 2008 (Sheet 2 of 2) Low Tide



Turkey Point Units 6 & 7
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PTN COL 2.4-4

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



Turkey Point Units 6 & 7
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PTN COL 2.4-4

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

