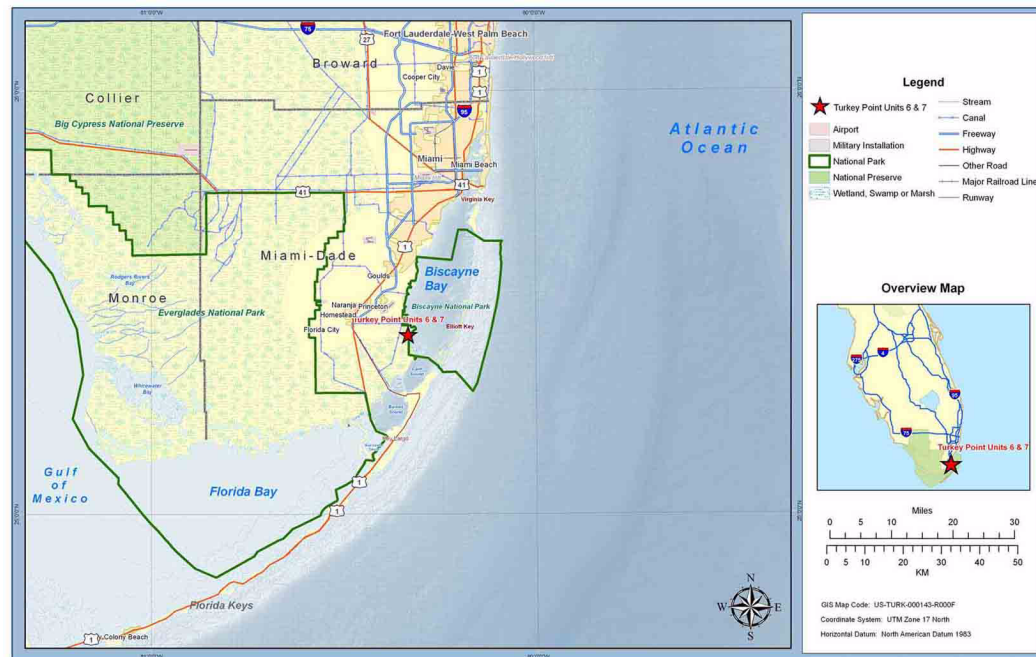


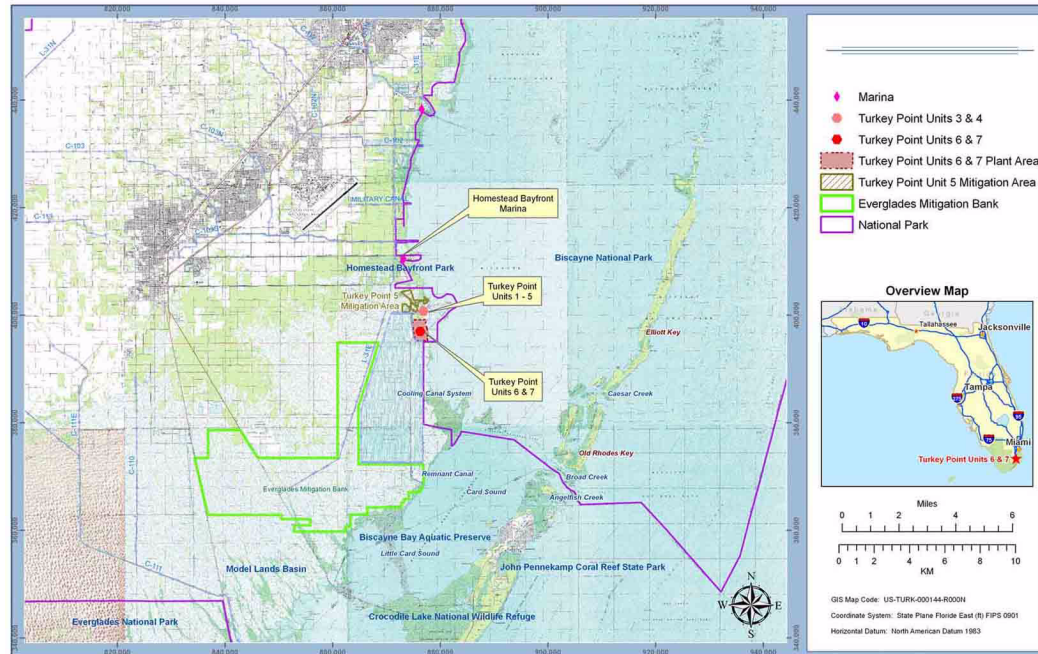
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Figure 2.3-1 Major Hydrological Features Near Units 6 & 7



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Figure 2.3-2 Areas Surrounding the Turkey Point Plant Property



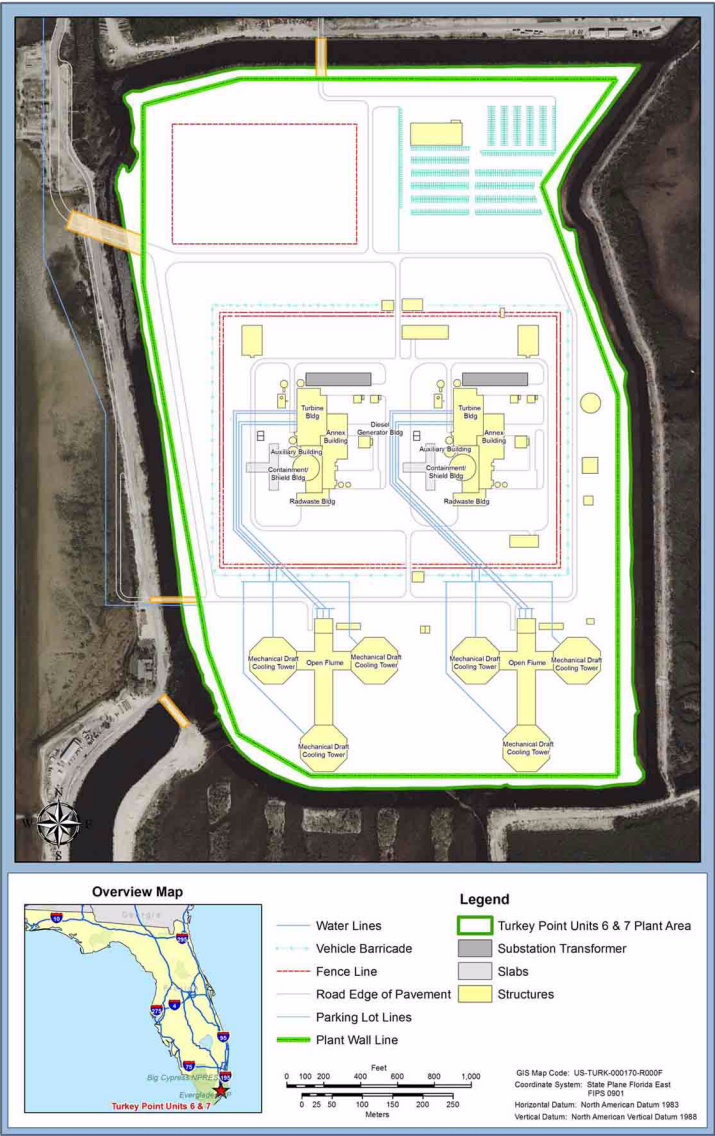
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Figure 2.3-3 The Turkey Point Plant Property Including the Industrial Wastewater Facility



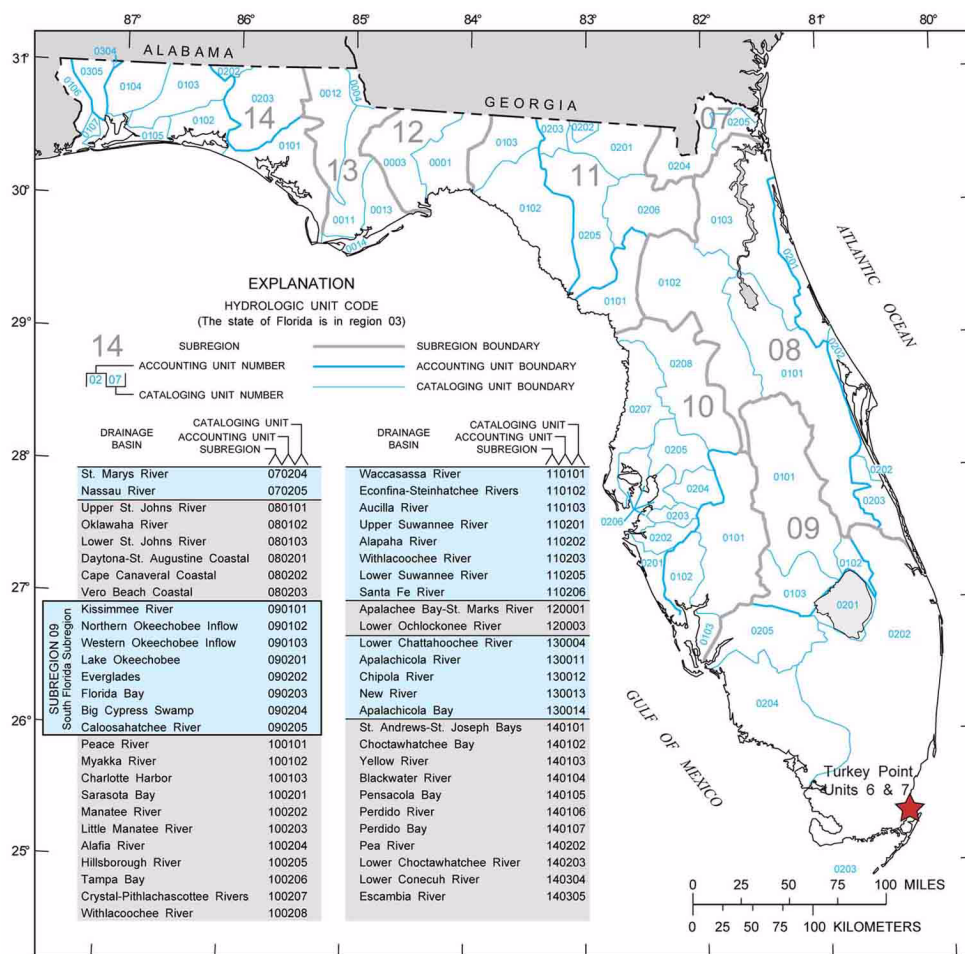
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Figure 2.3-4 General Arrangement of Units 6 & 7



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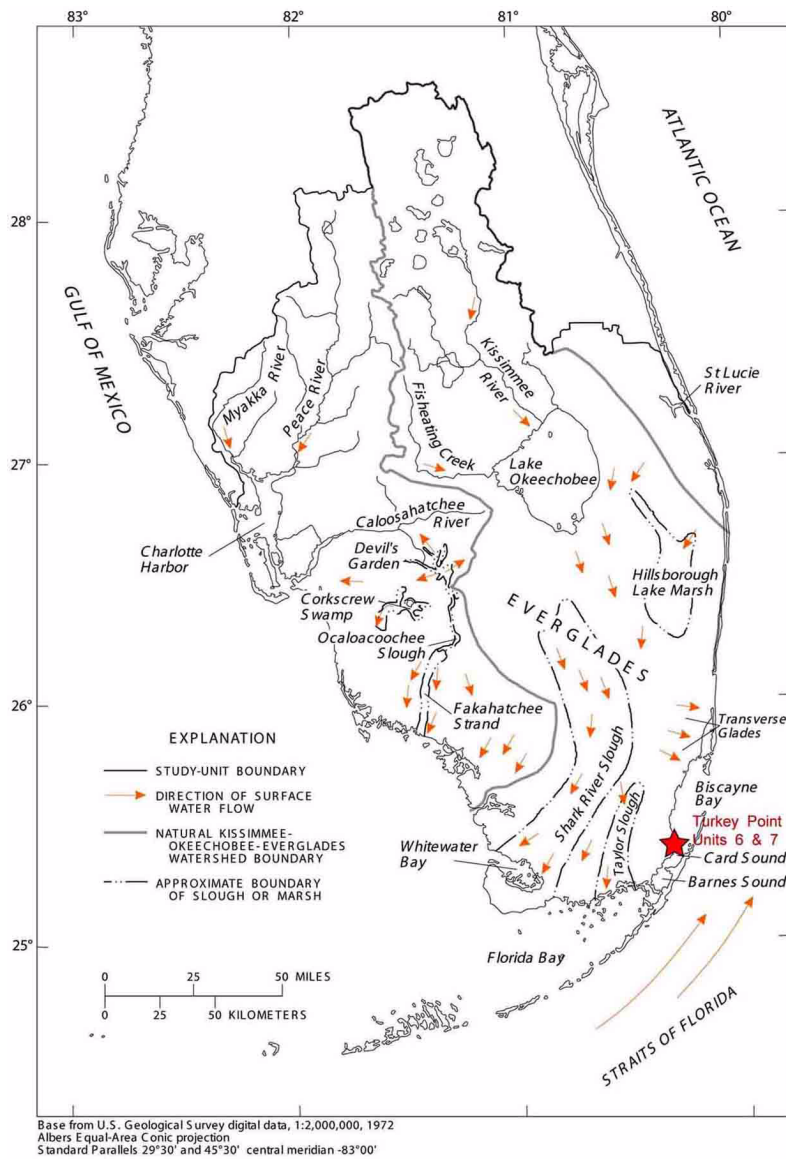
Figure 2.3-5 Map of South Florida Watershed Subregions



Modified from Marella 1999

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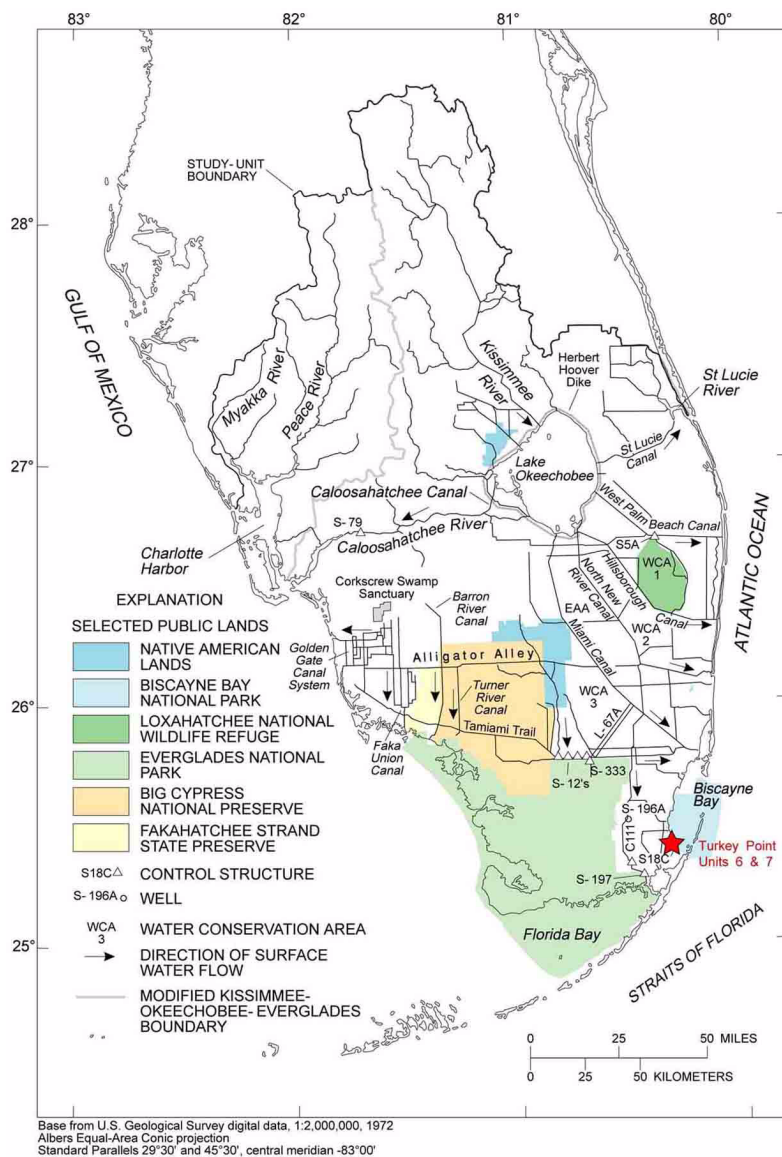
Figure 2.3-6 Hydrologic Features and Predevelopment Flow Patterns within the South Florida Watershed



Modified from McPherson and Halley 1997

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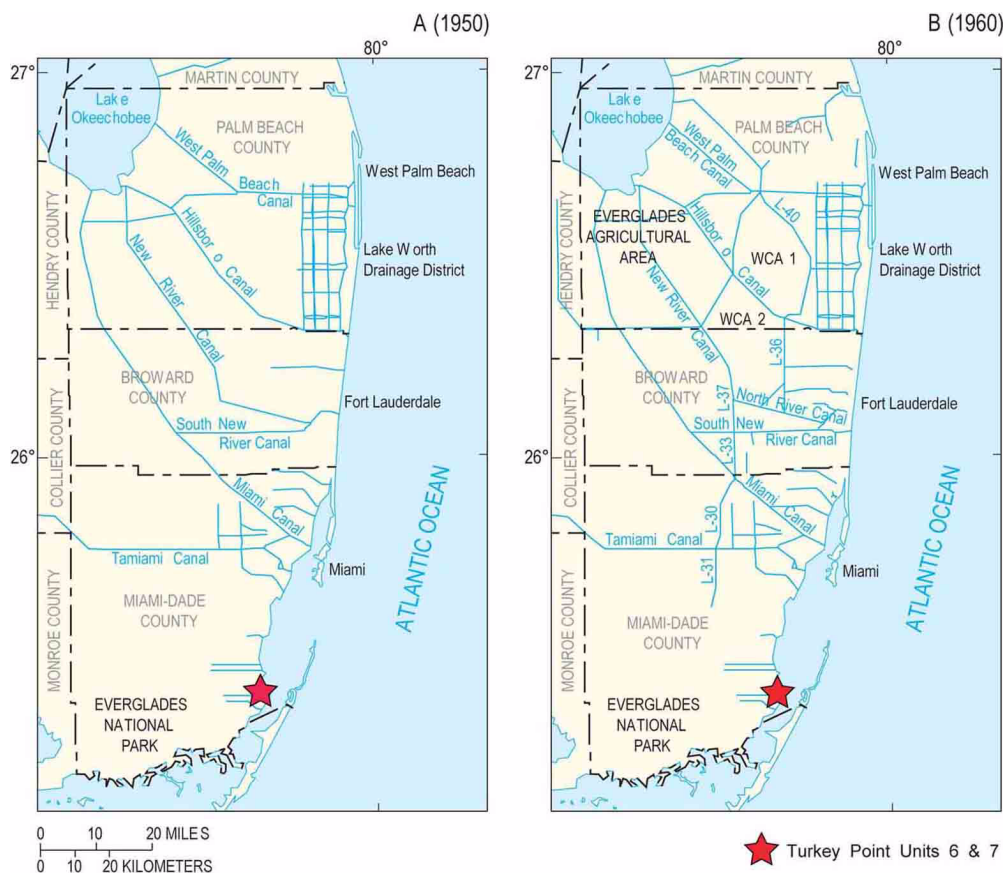
Figure 2.3-7 Selected Public Lands and Post-Development Flow Alteration within the South Florida Watershed



Modified from McPherson and Halley 1997

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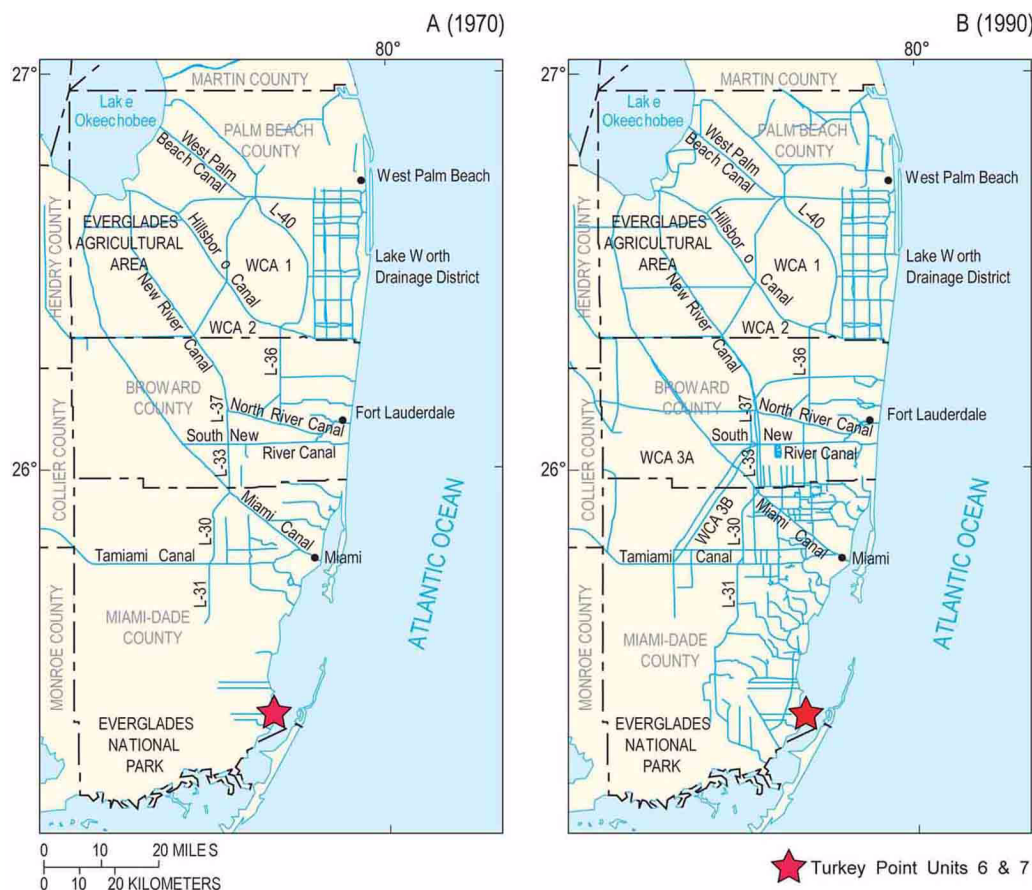
Figure 2.3-8 Surface Water Conveyance System in the South Florida Region in (A) 1950 and (B) 1960



Modified from Renken et al. 2005

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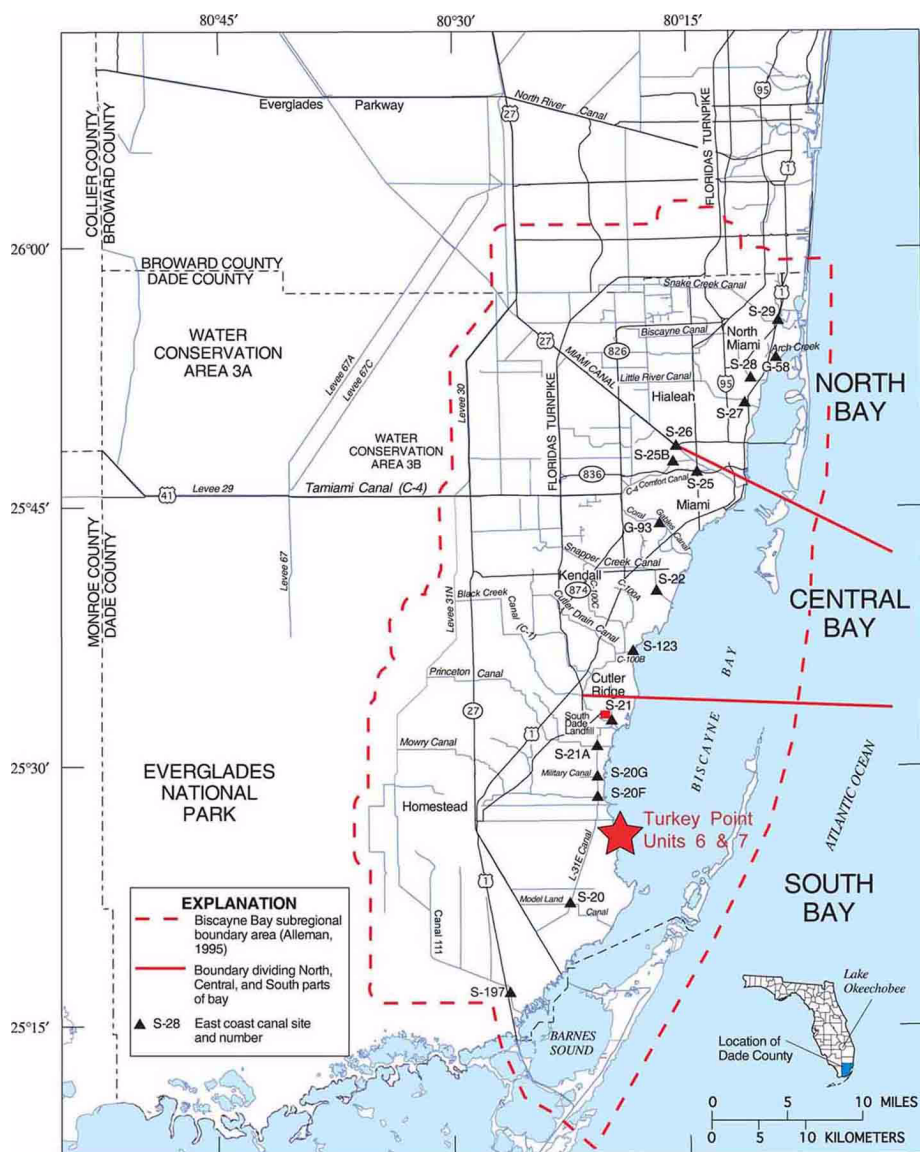
Figure 2.3-9 Surface Water Conveyance System in the South Florida Region in (A) 1970 and (B) 1990



Modified from Renken et al. 2005

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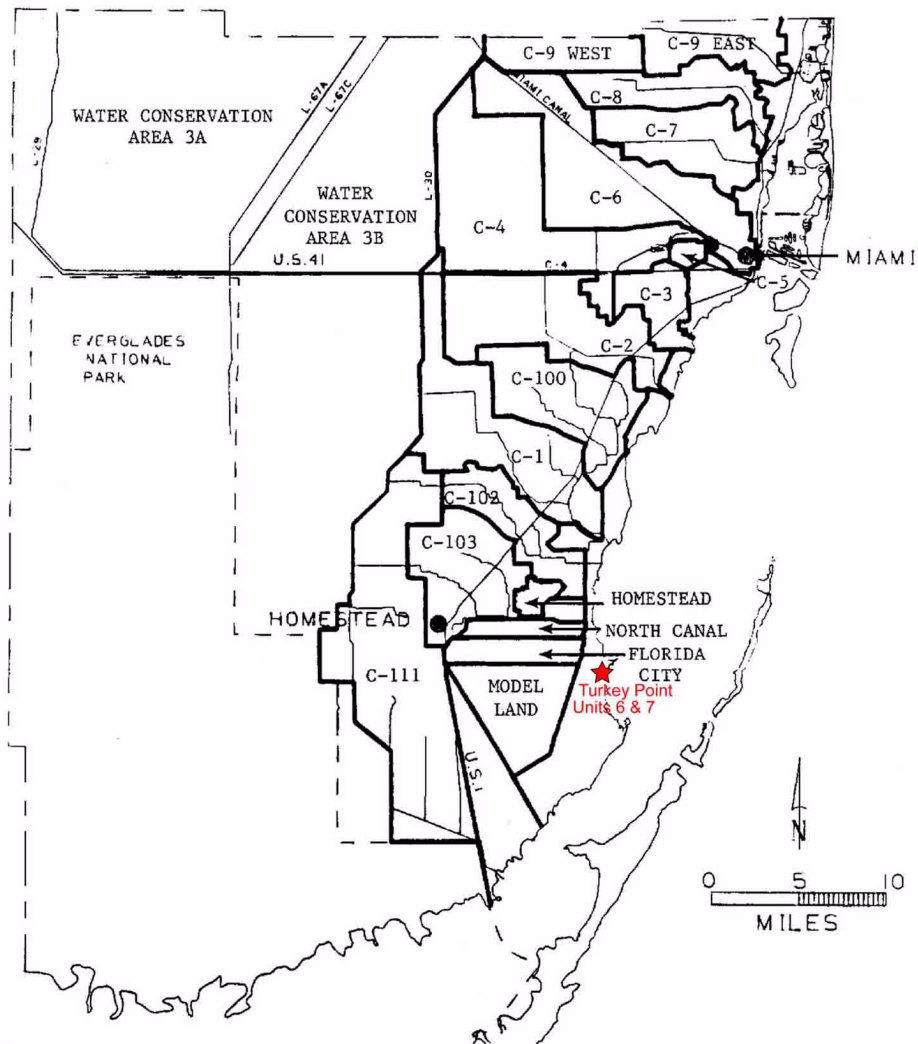
Figure 2.3-10 Locations of ENP-SDCS and C&SF Project Canals, Coastal Control Structures, and Planning Zones of the Biscayne Bay



Modified from Lietz 1999

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Figure 2.3-11 Locations of Eastern Dade County Surface Water Management Basins



Location of Turkey Point Units 6 & 7 is approximate.

Modified from Cooper and Lane 1987

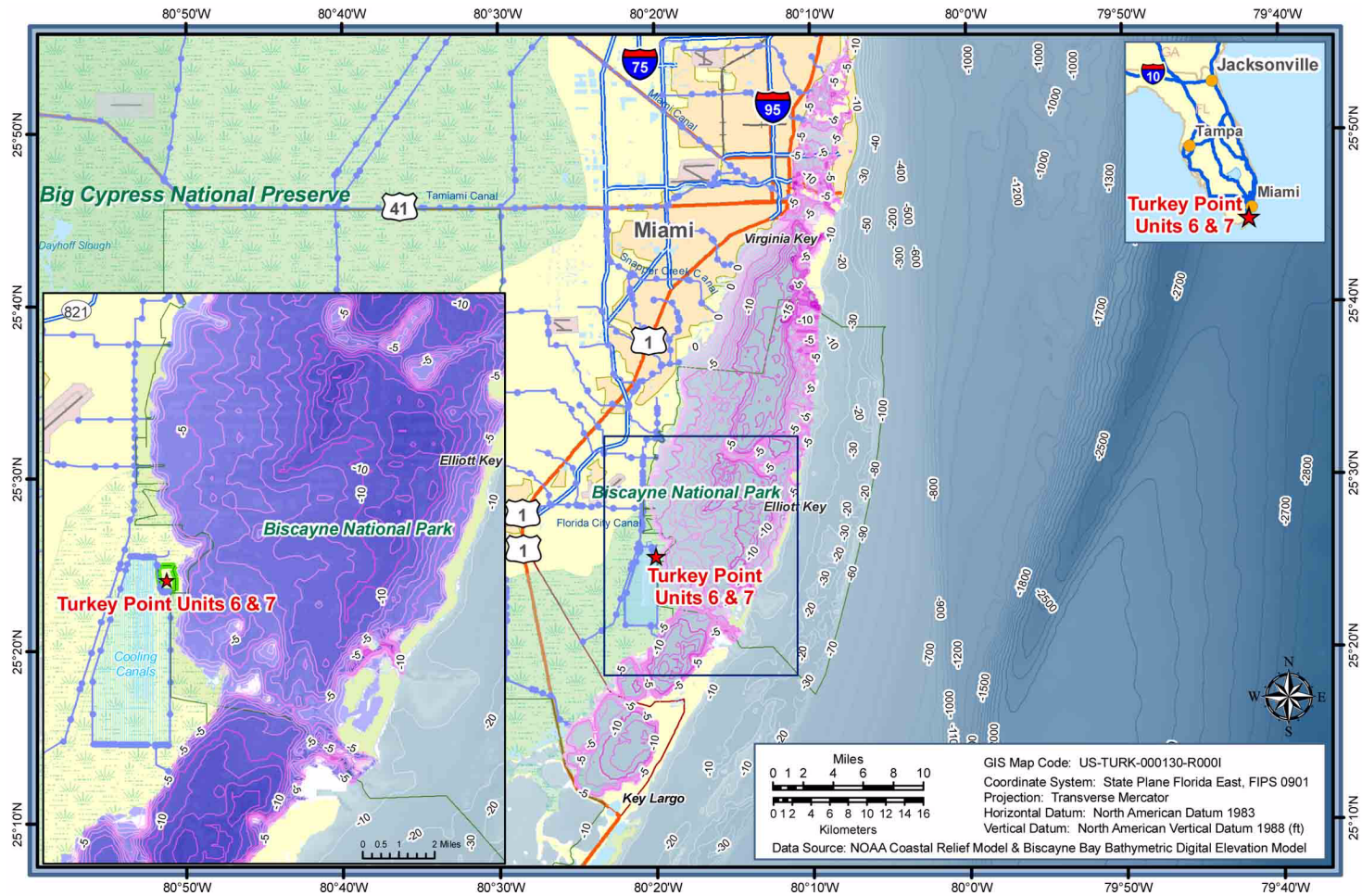
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Figure 2.3-12 Locations of NOAA Tide Gages



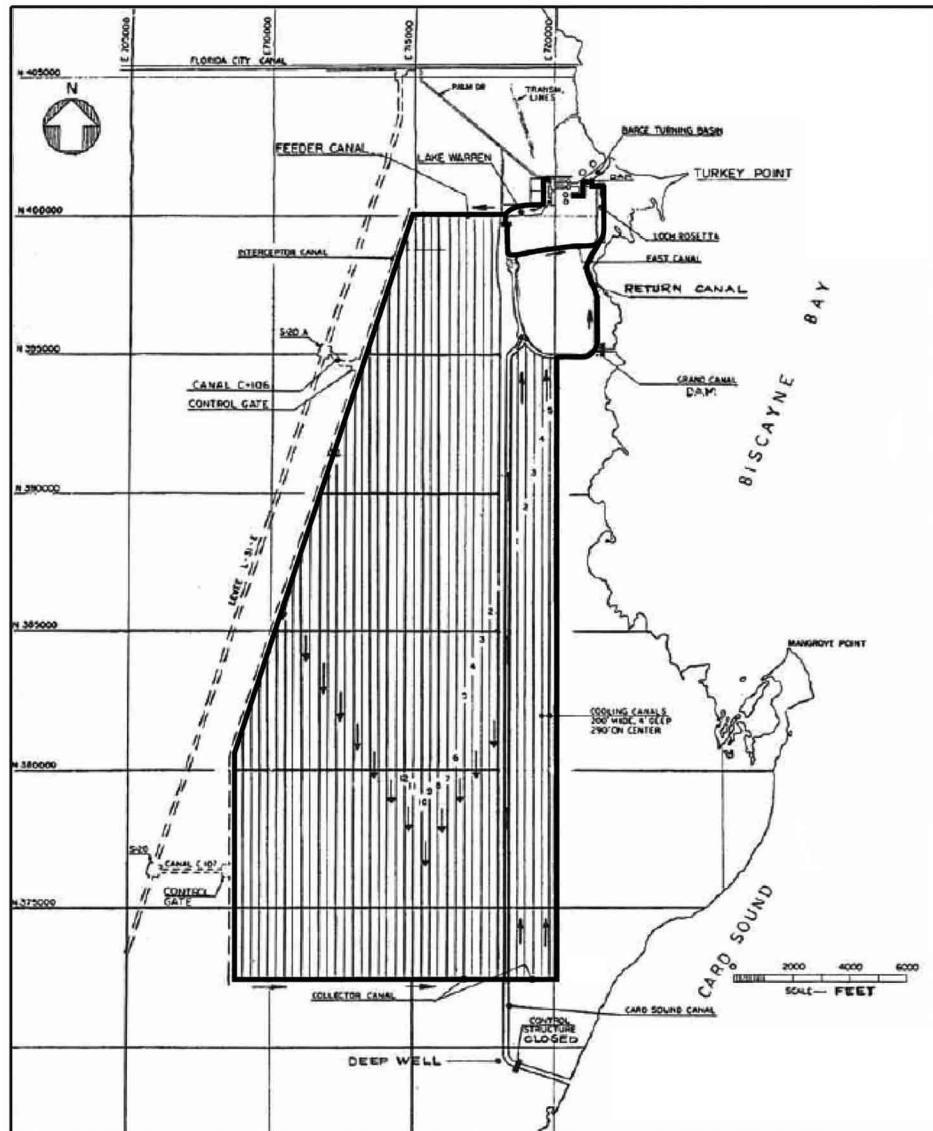
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Figure 2.3-13 Biscayne Bay Bathymetry



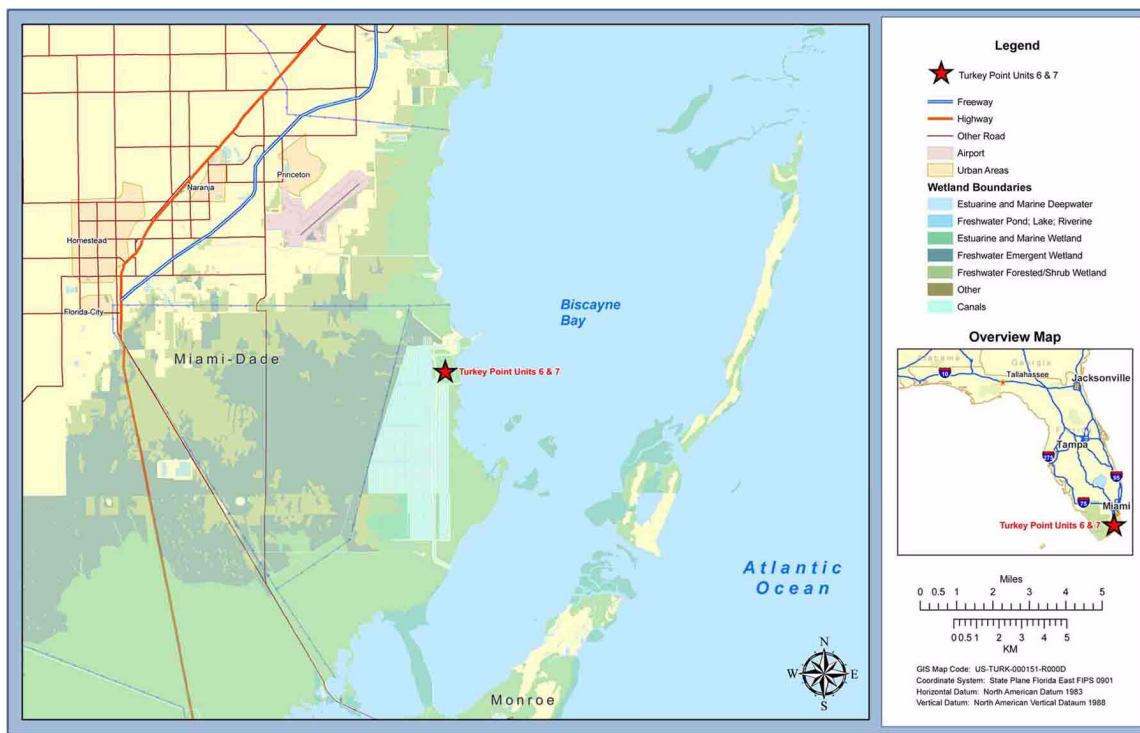
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Figure 2.3-14 Designed Layout of the Industrial Wastewater Facility



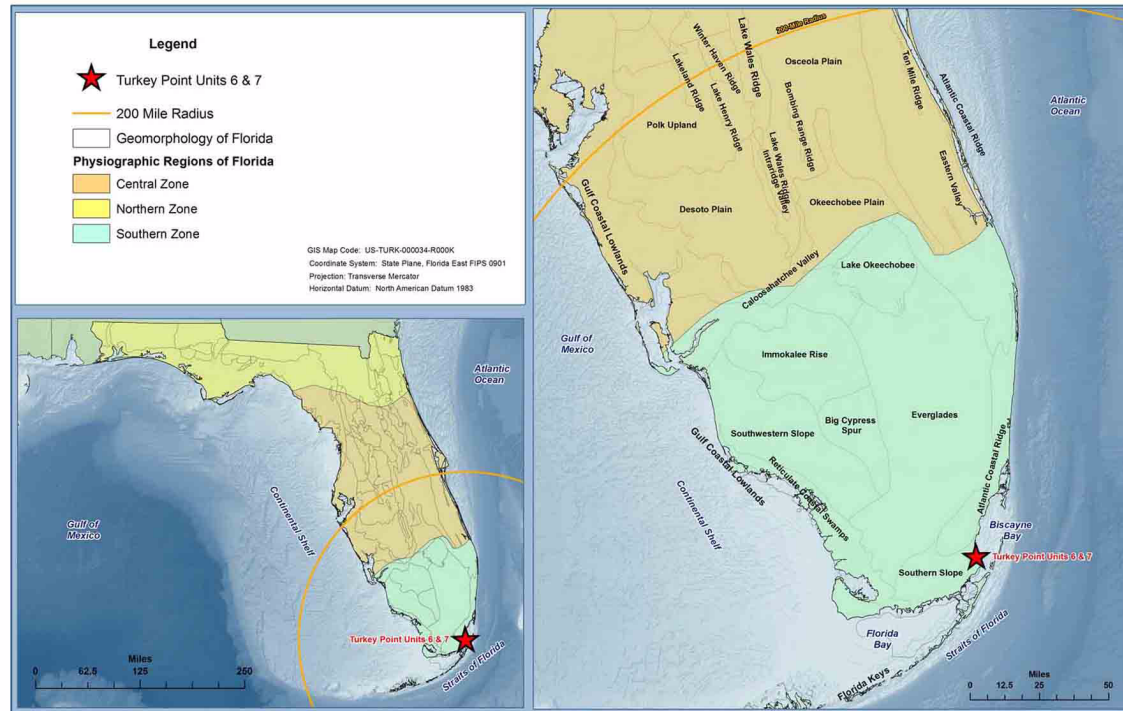
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Figure 2.3-15 Locations of Wetlands Designated by U.S. Fish and Wildlife Services Near the Turkey Point Plant Property



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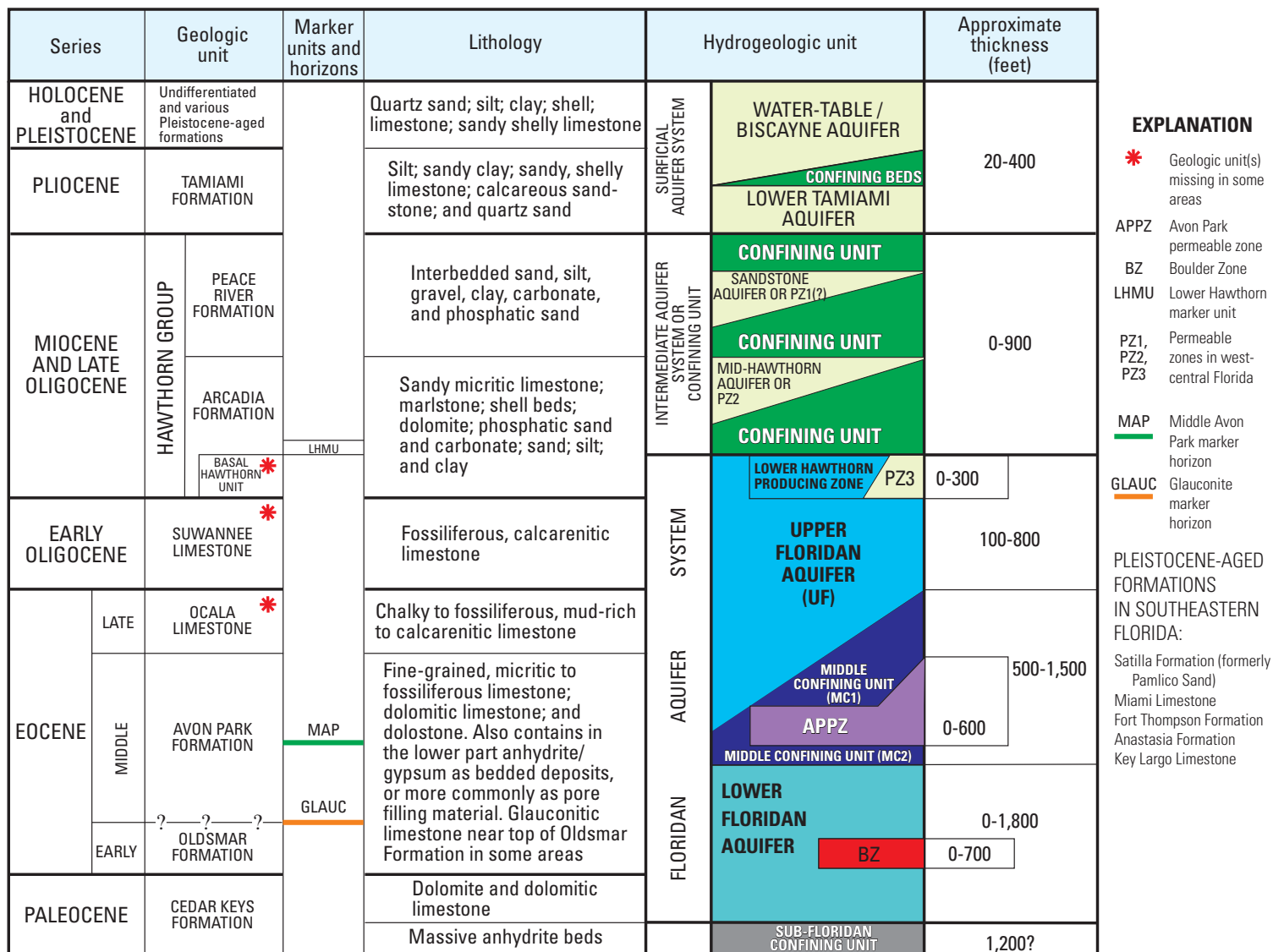
Figure 2.3-16 Physiographic Features



Modified from Randazzo and Jones 1997 and White 1970

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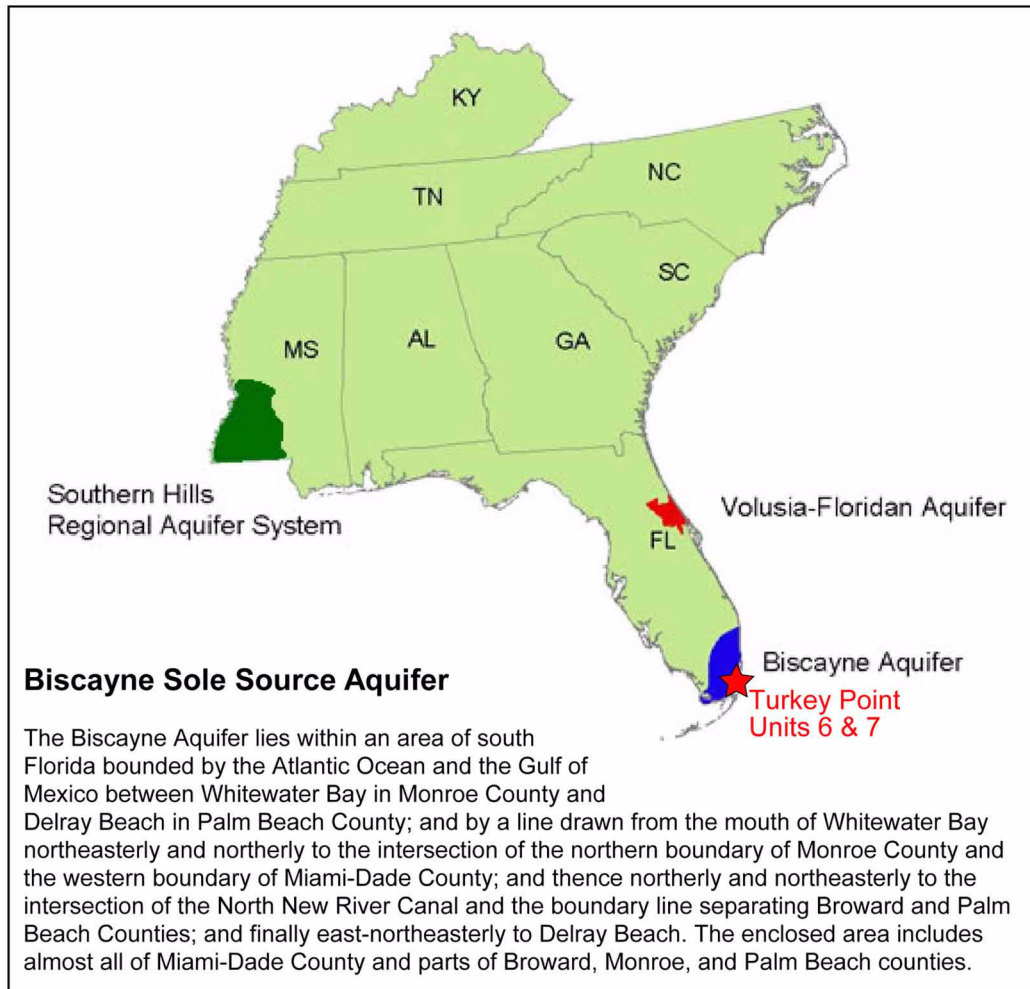
Figure 2.3-17 Regional Generalized Hydrostratigraphic Column



Source: Reese and Richardson 2008

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Figure 2.3-18 Approximate Boundaries of Region 4 Sole Source Aquifers



Modified from U.S. EPA 2008a

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Figure 2.3-19 Site Hydrostratigraphic Column

ERATHEM	SYSTEM	SERIES	HYDROGEOLOGIC UNIT		STRATIGRAHIC UNIT		LITHOLOGY	APPROXIMATE TOP ELEVATION (feet NAVD 88)	APPROXIMATE THICKNESS (feet)	
CENOZOIC	QUATERNARY	HOLOCENE	Surficial aquifer system	Biscayne aquifer	organic muck		organic soil and silt	0	3	
		PLEISTOCENE			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	Surficial aquifer system	Semi-confining unit	Tamiami Formation		sand and silt with calcarenite 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 feet NAVD 88				

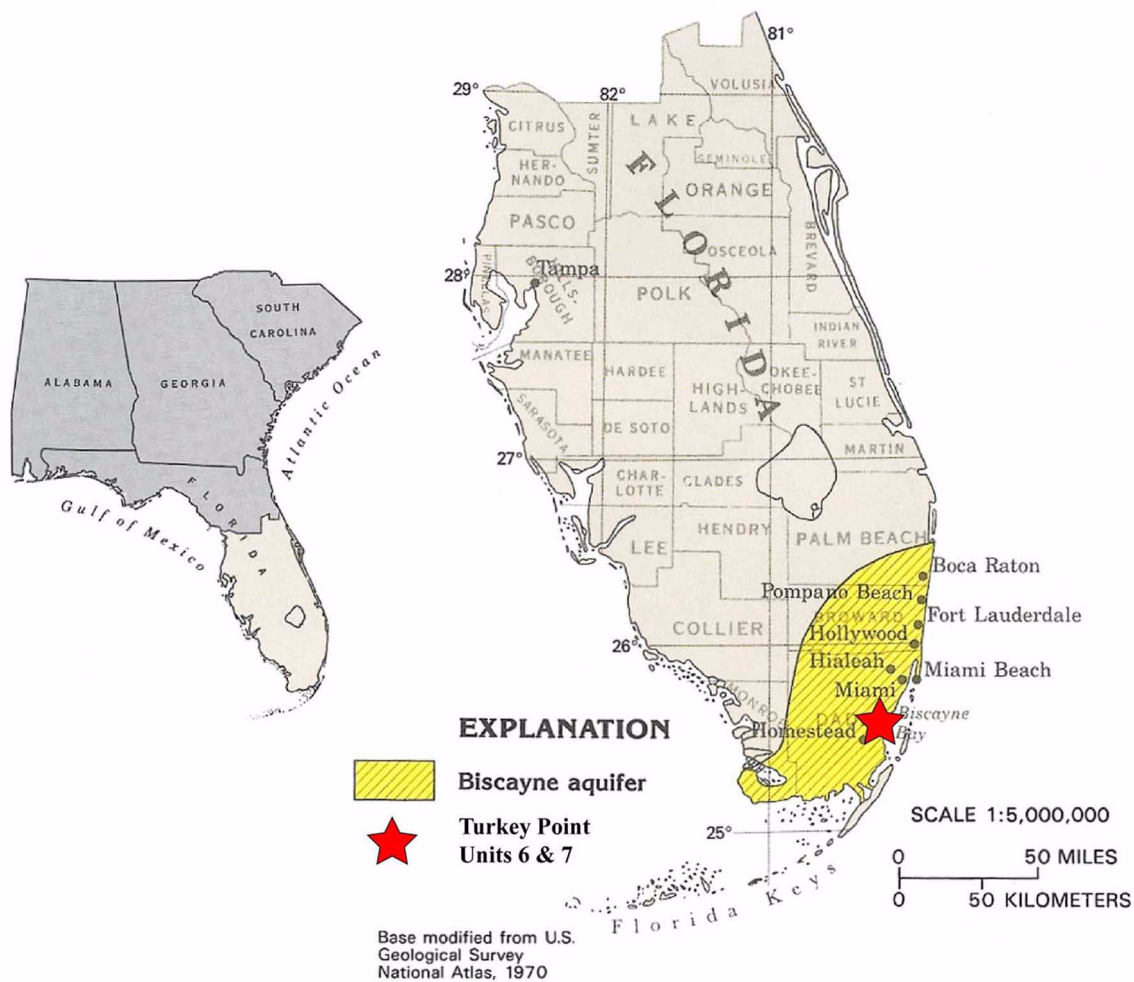
Color represents similar composition (carbonates, clastics, and organics).

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Figure 2.3-20 Not Used

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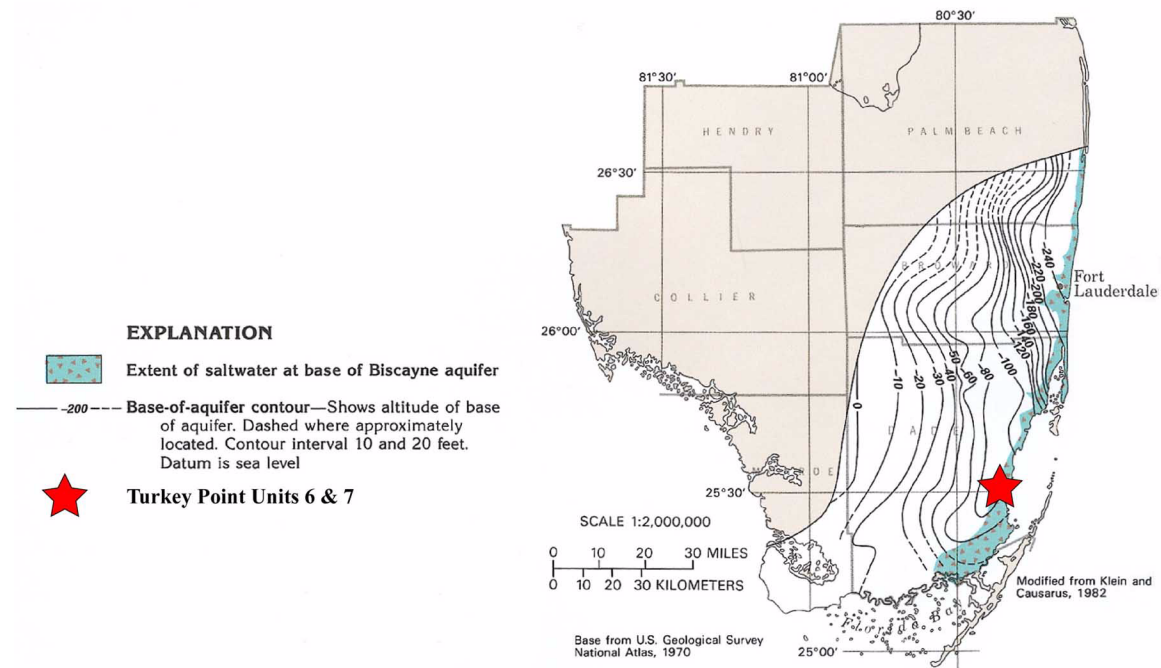
Figure 2.3-21 Location of the Biscayne Aquifer in Southeast Florida



Modified from Miller 1990

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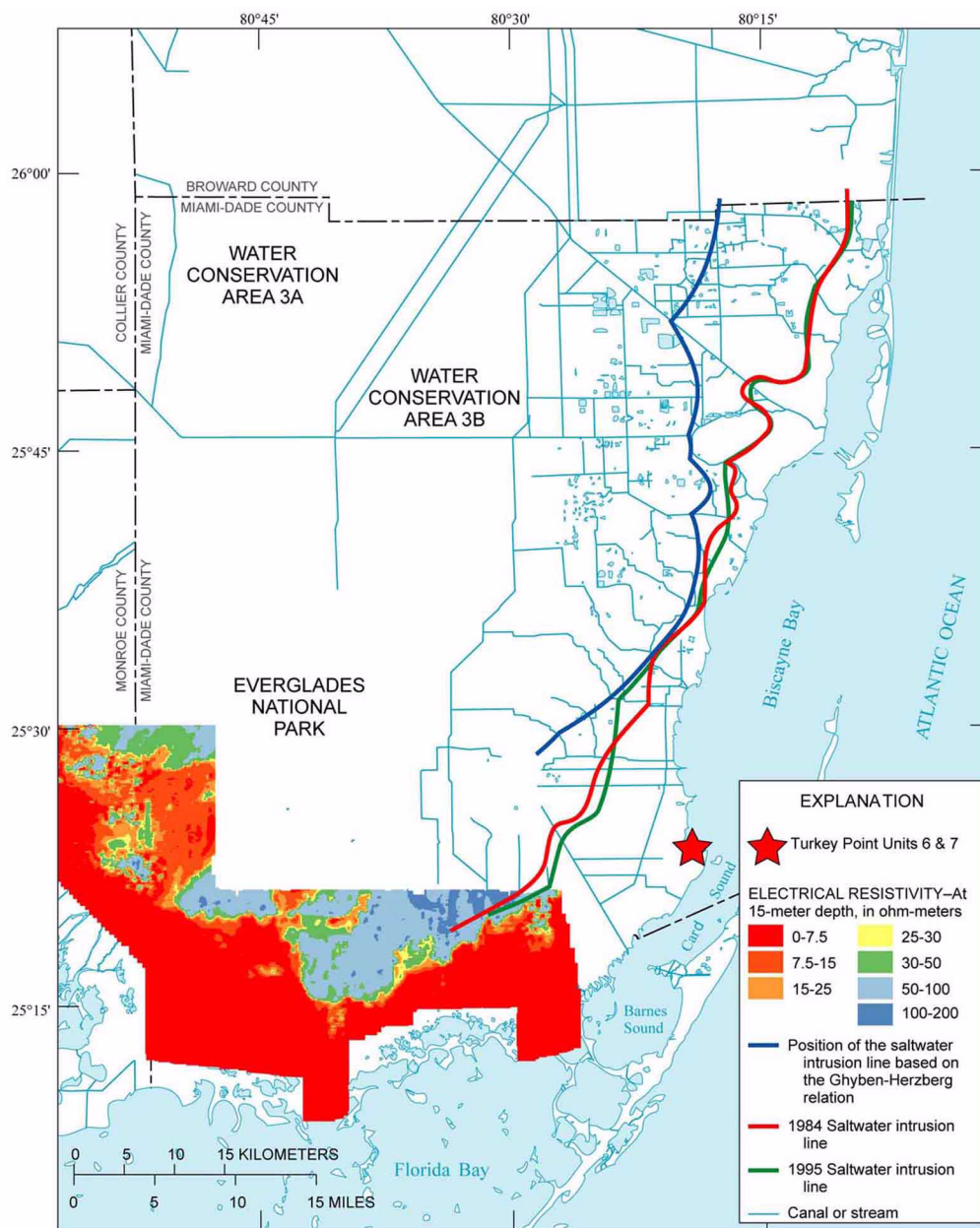
Figure 2.3-22 Base of the Biscayne Aquifer



Modified from Miller 1990

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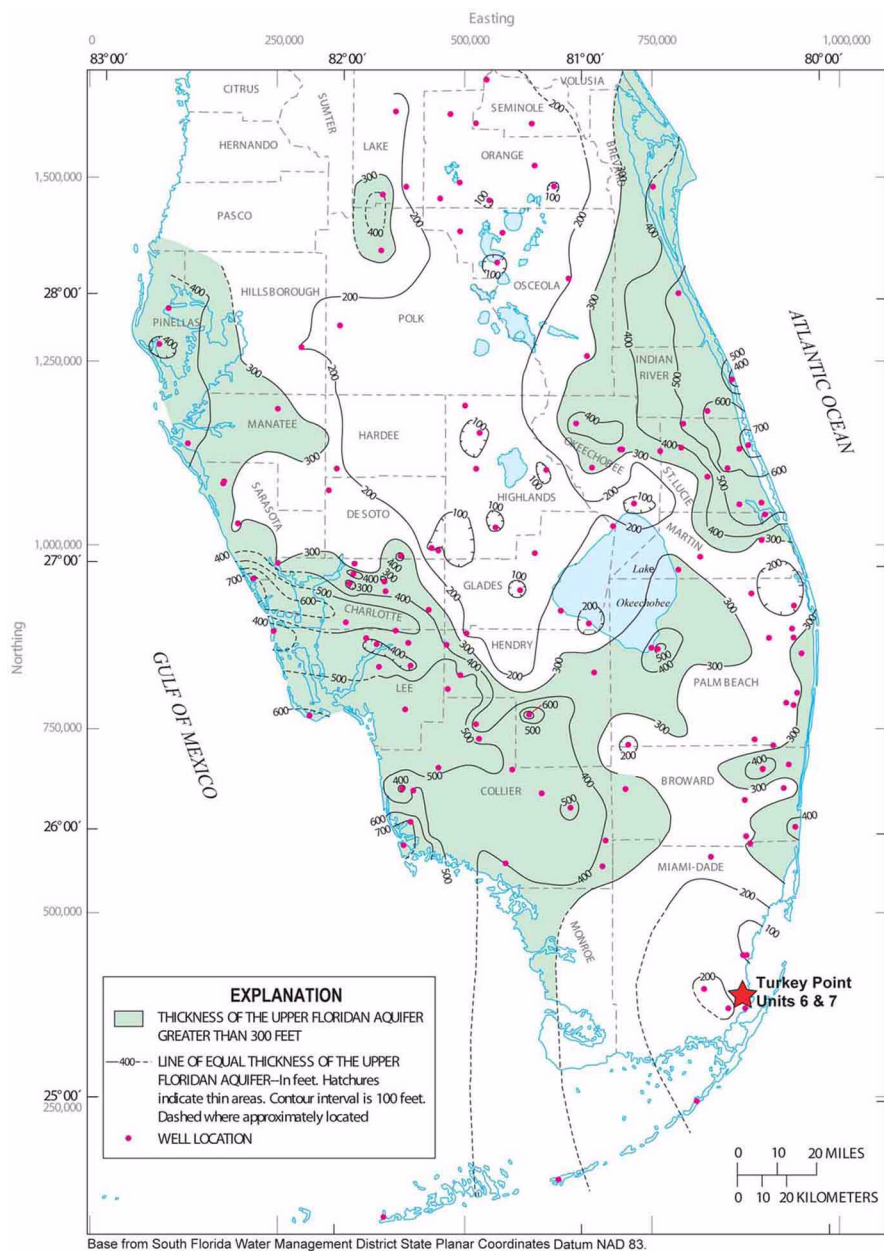
Figure 2.3-23 Location of the Freshwater-Saltwater Interface



Modified from Langevin 2001

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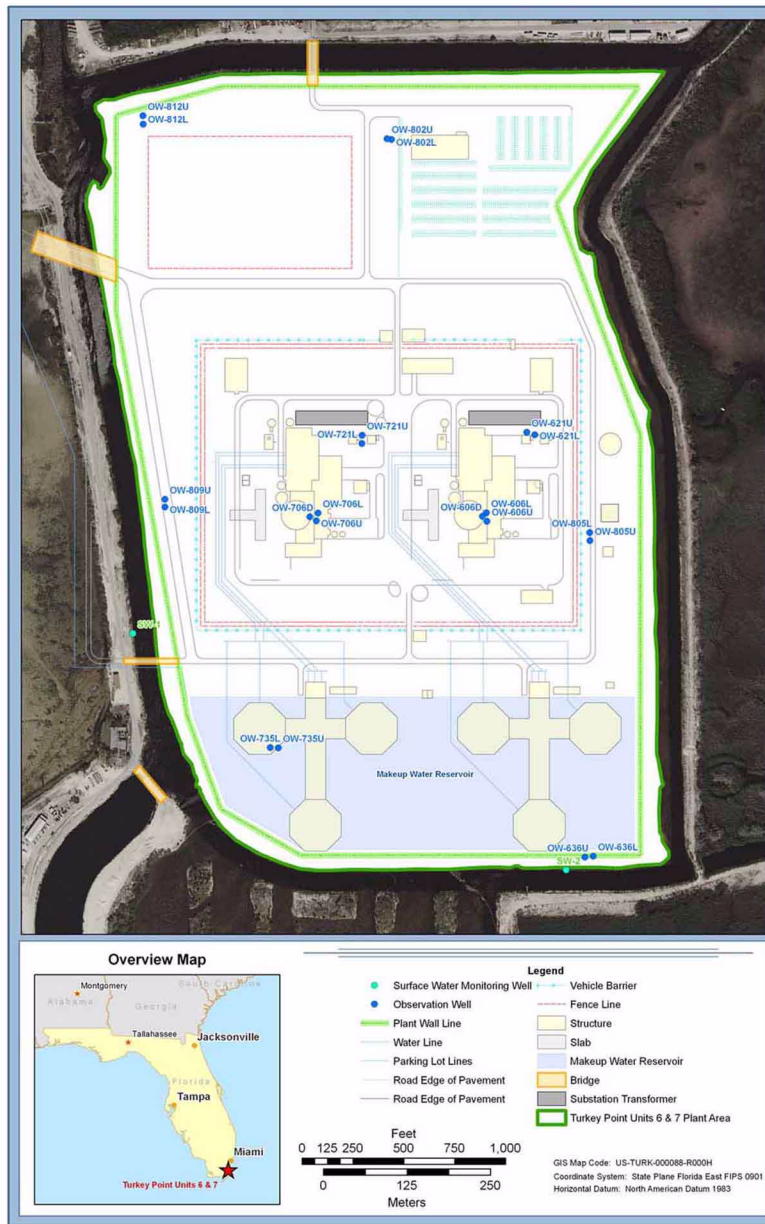
Figure 2.3-24 Thickness of the Upper Floridan Aquifer



Modified from Reese and Richardson 2008

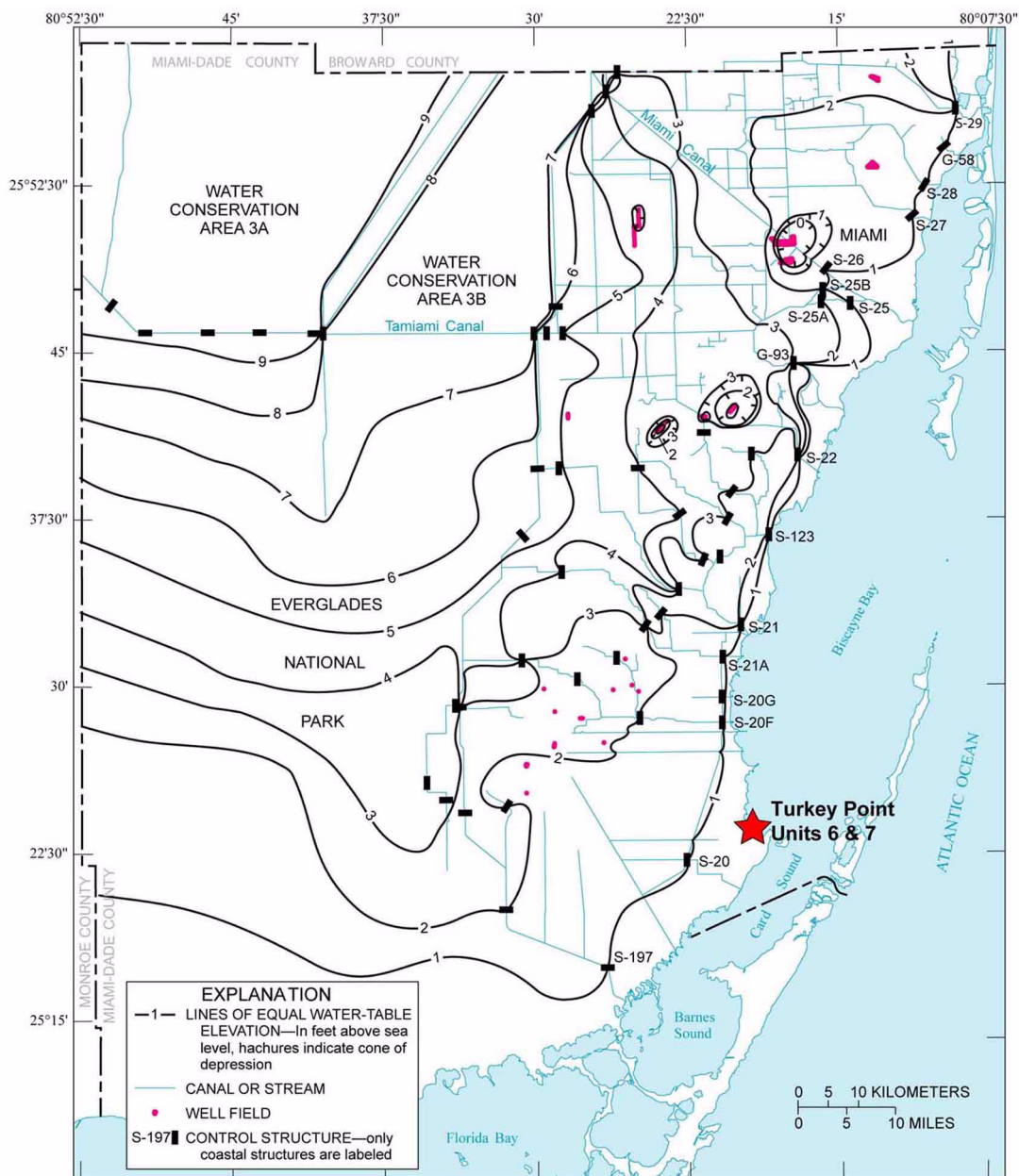
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Figure 2.3-25 Observation Well Location Plan



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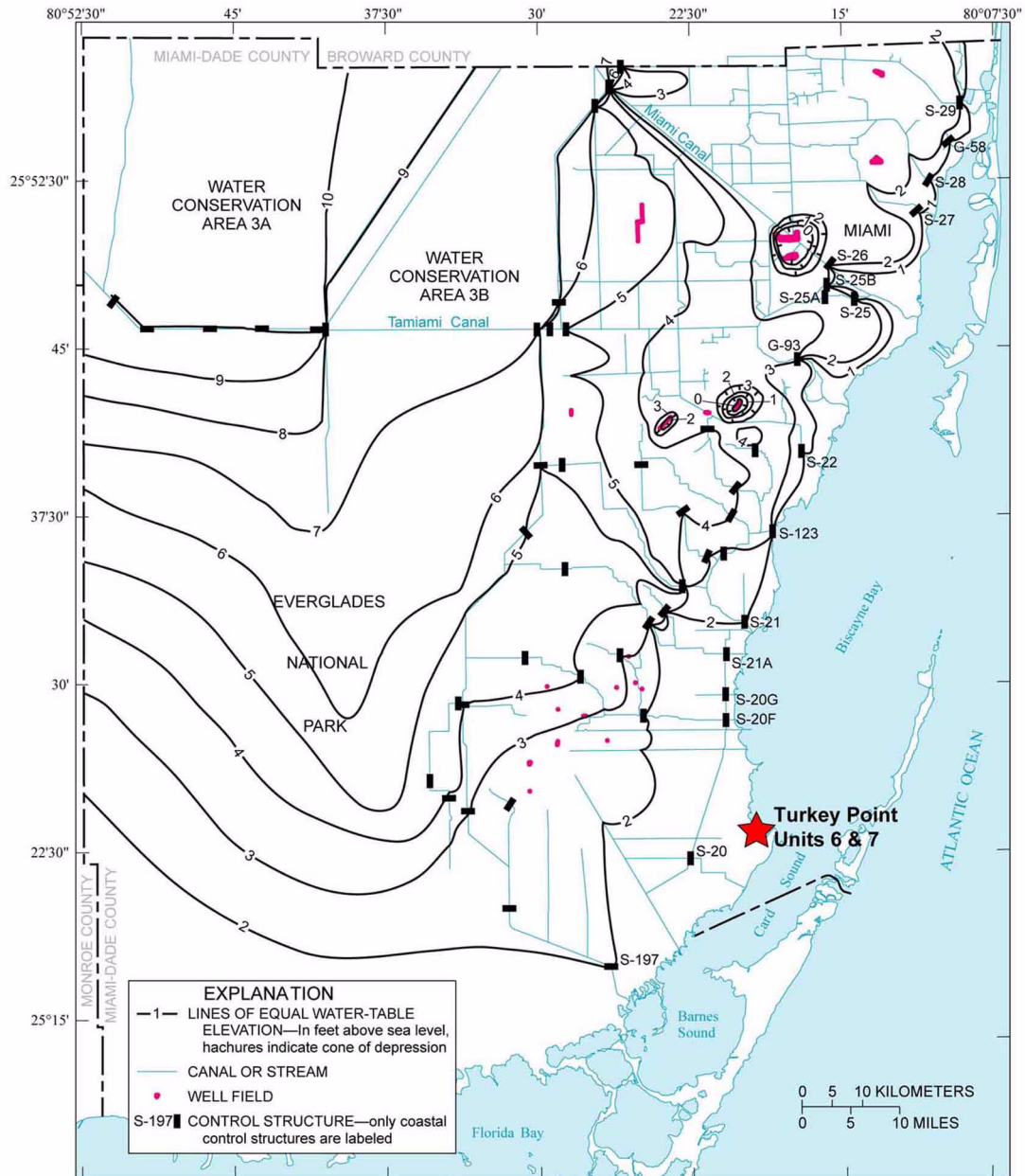
Figure 2.3-26 May 1993 Biscayne Aquifer Potentiometric Surface Map



Modified from Langevin 2001

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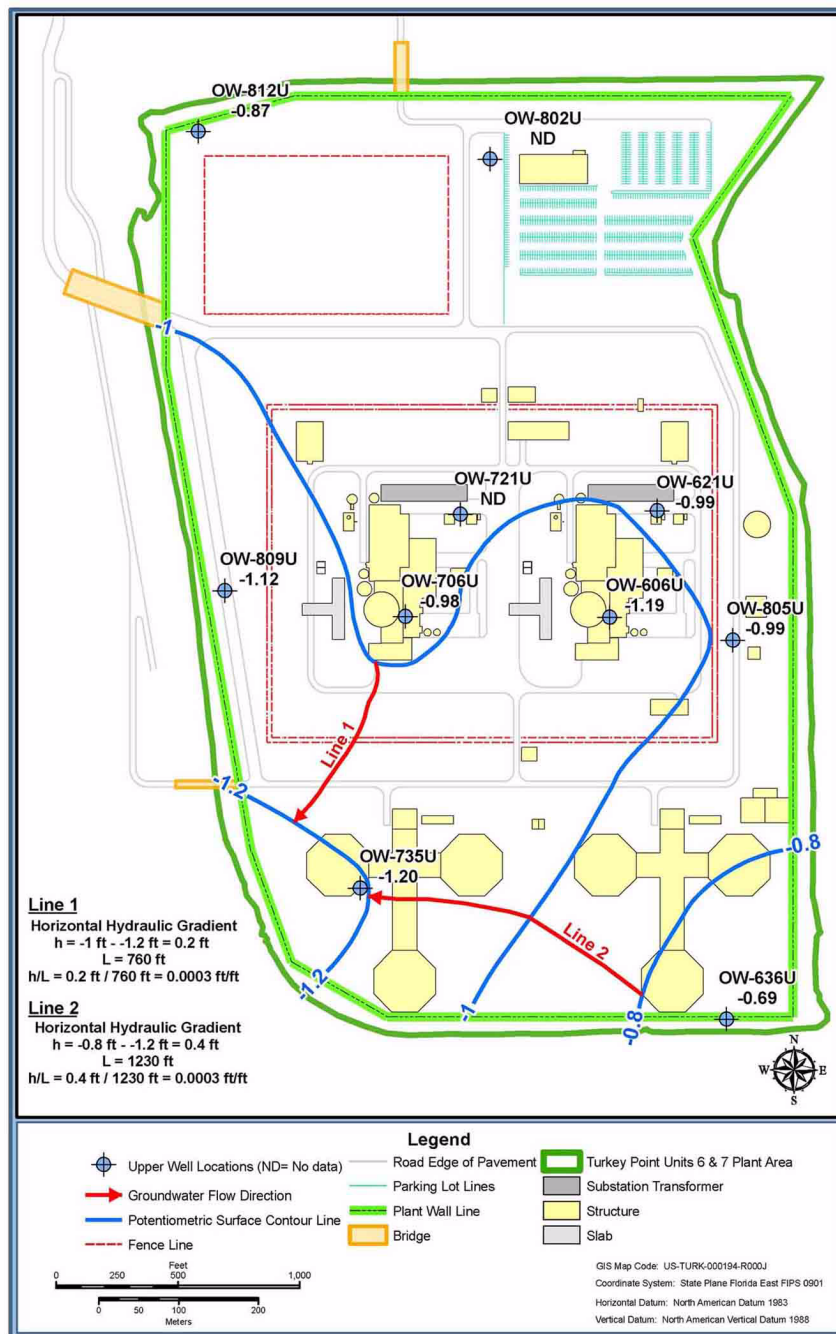
Figure 2.3-27 November 1993 Biscayne Aquifer Potentiometric Surface Map



Modified from Langevin 2001

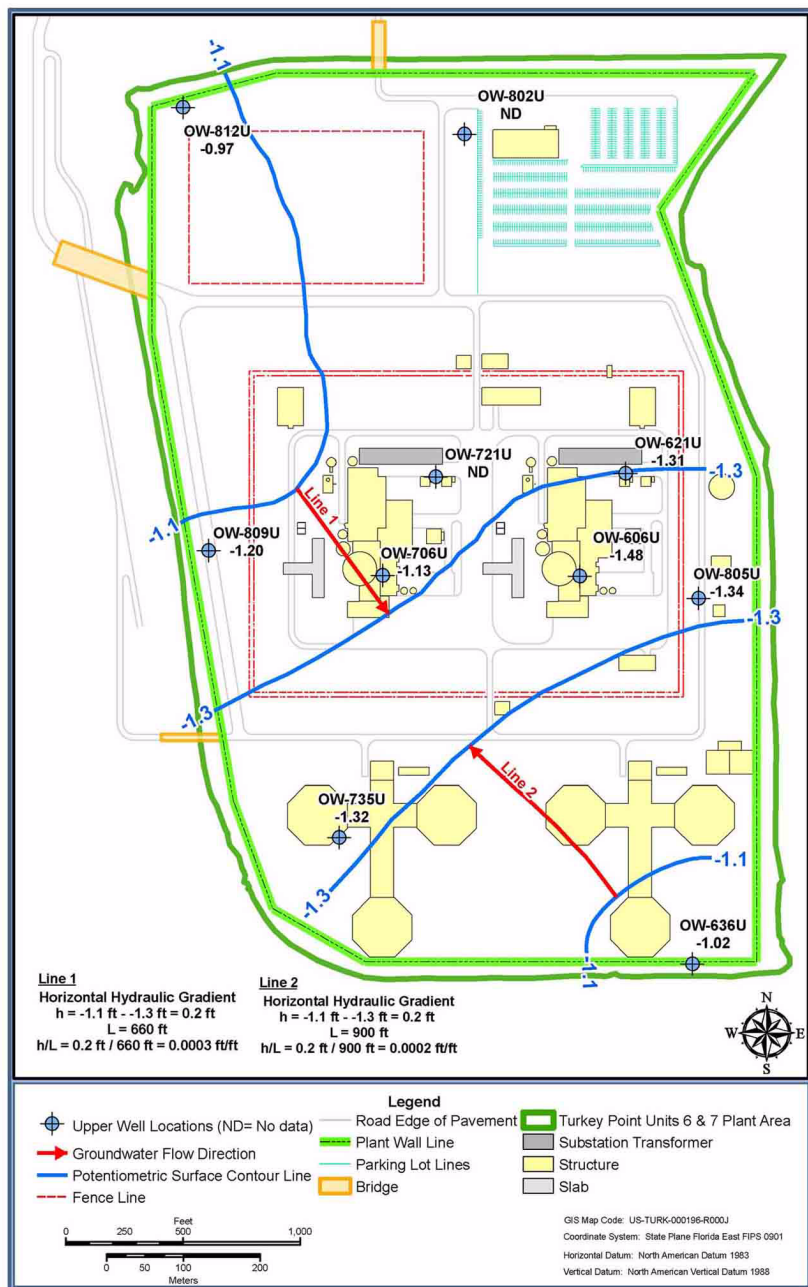
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Figure 2.3-28 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, June 29, 2008 (Sheet 1 of 2) High Tide



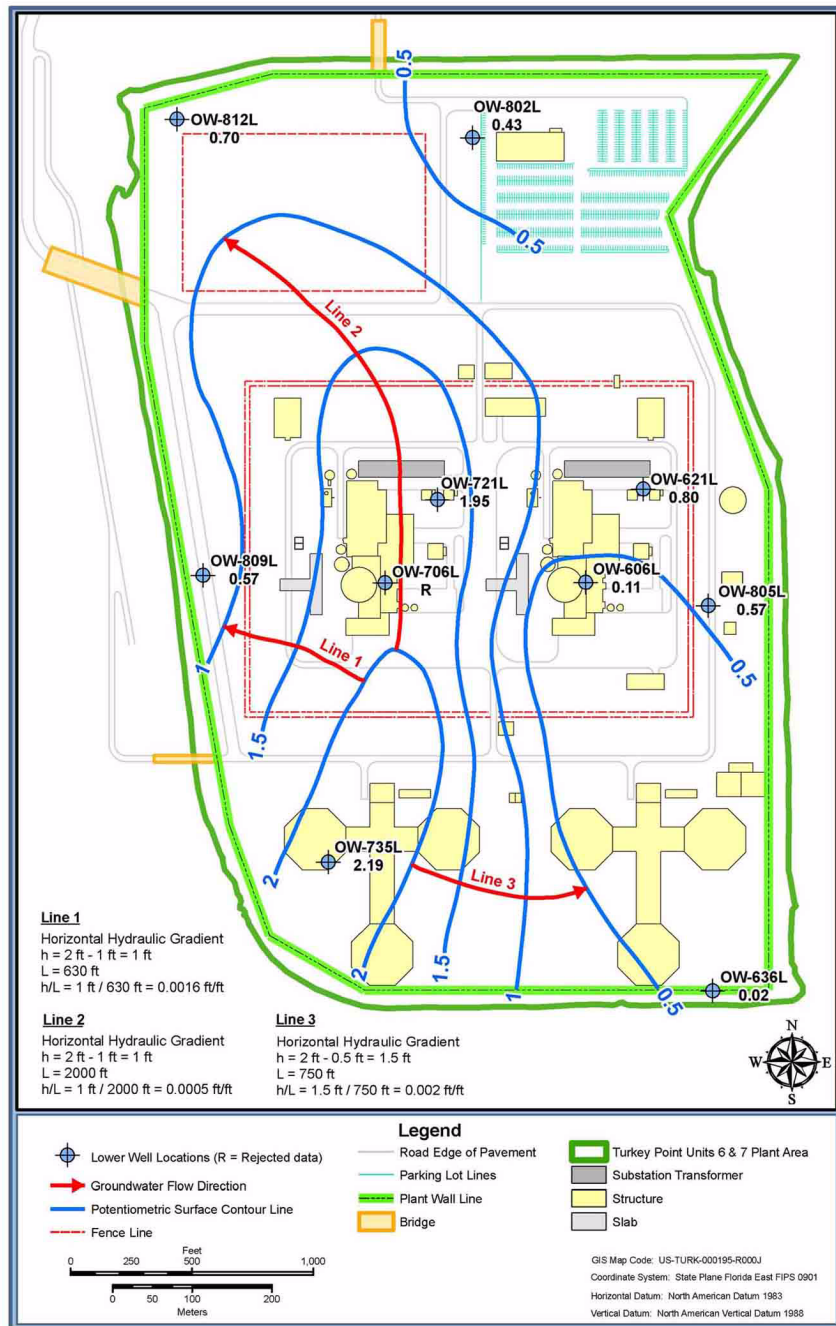
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Figure 2.3-28 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, June 29, 2008 (Sheet 2 of 2) Low Tide



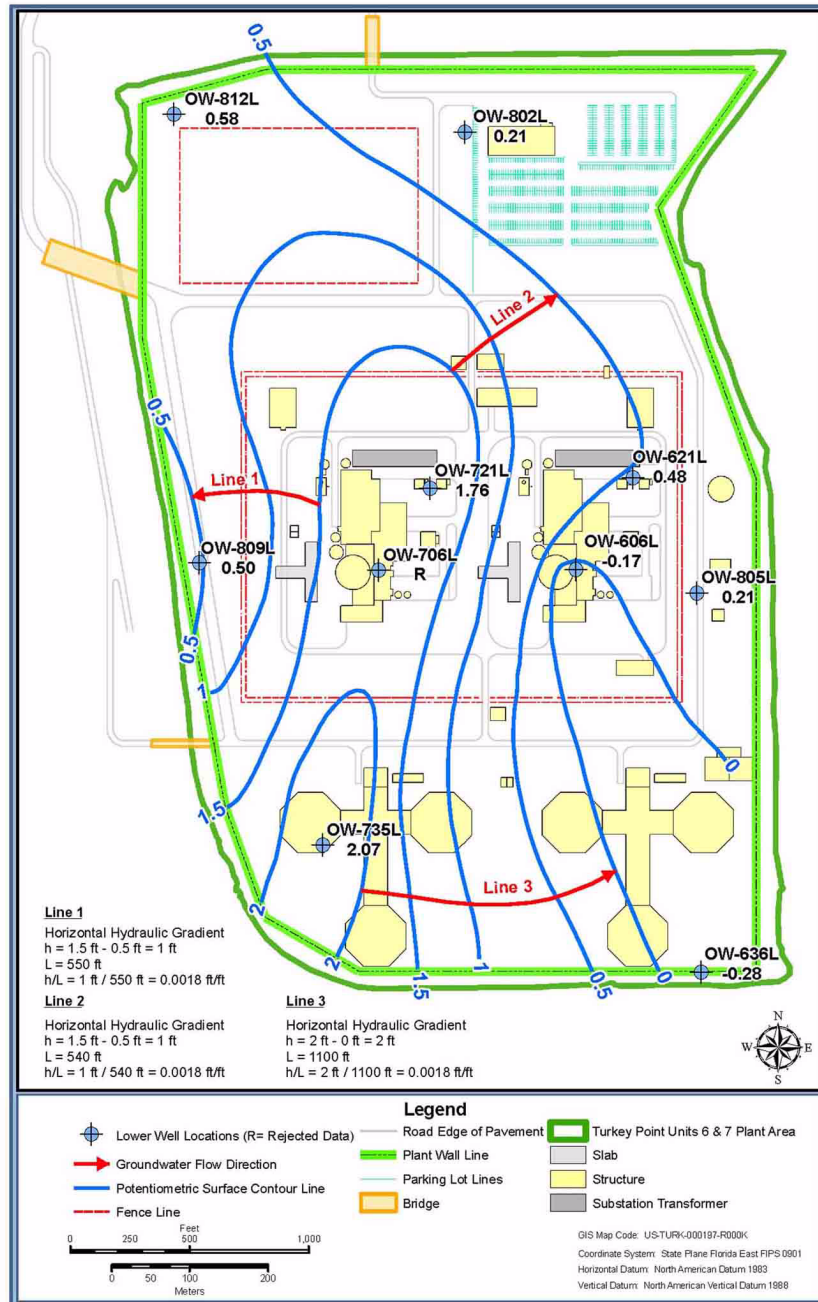
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Figure 2.3-29 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, June 29, 2008 (Sheet 1 of 2) High Tide



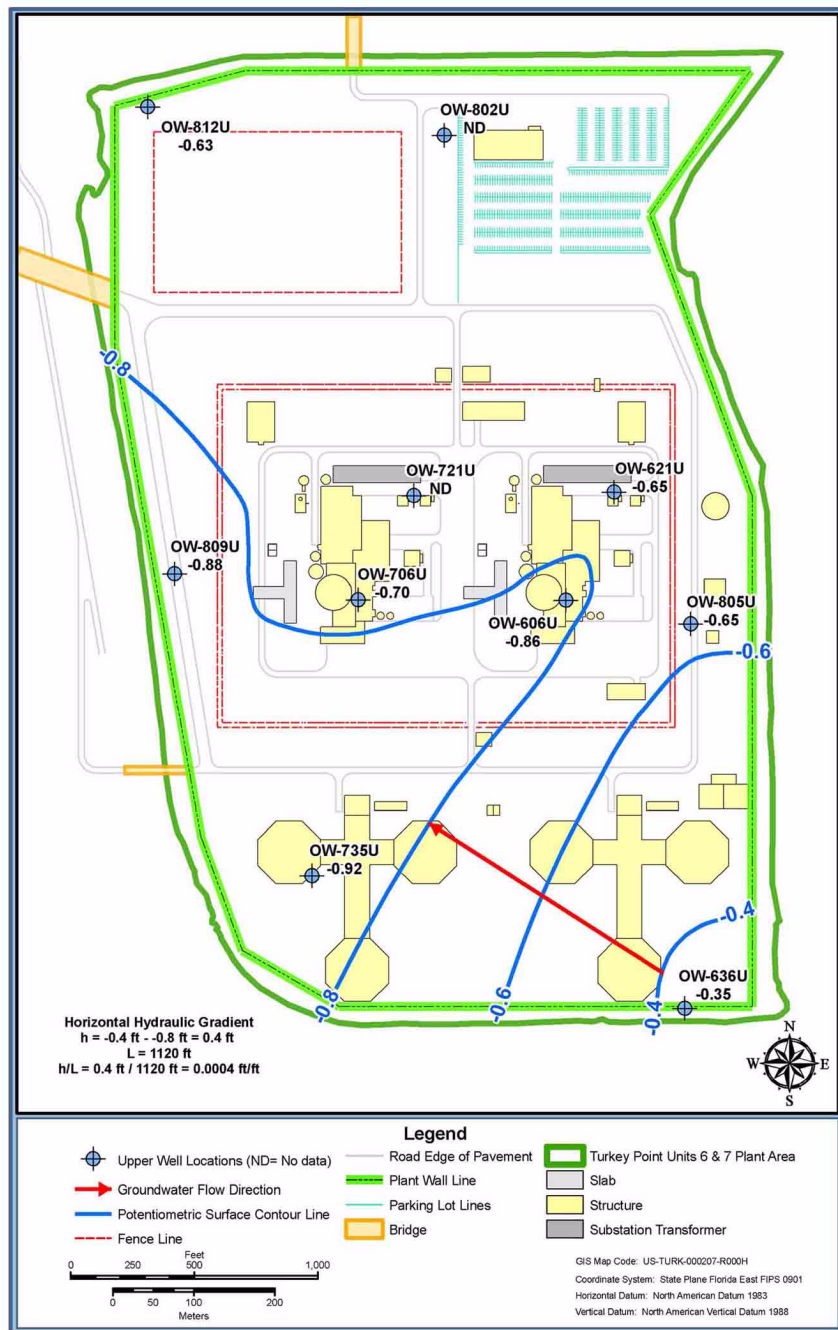
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Figure 2.3-29 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, June 29, 2008 (Sheet 2 of 2) Low Tide



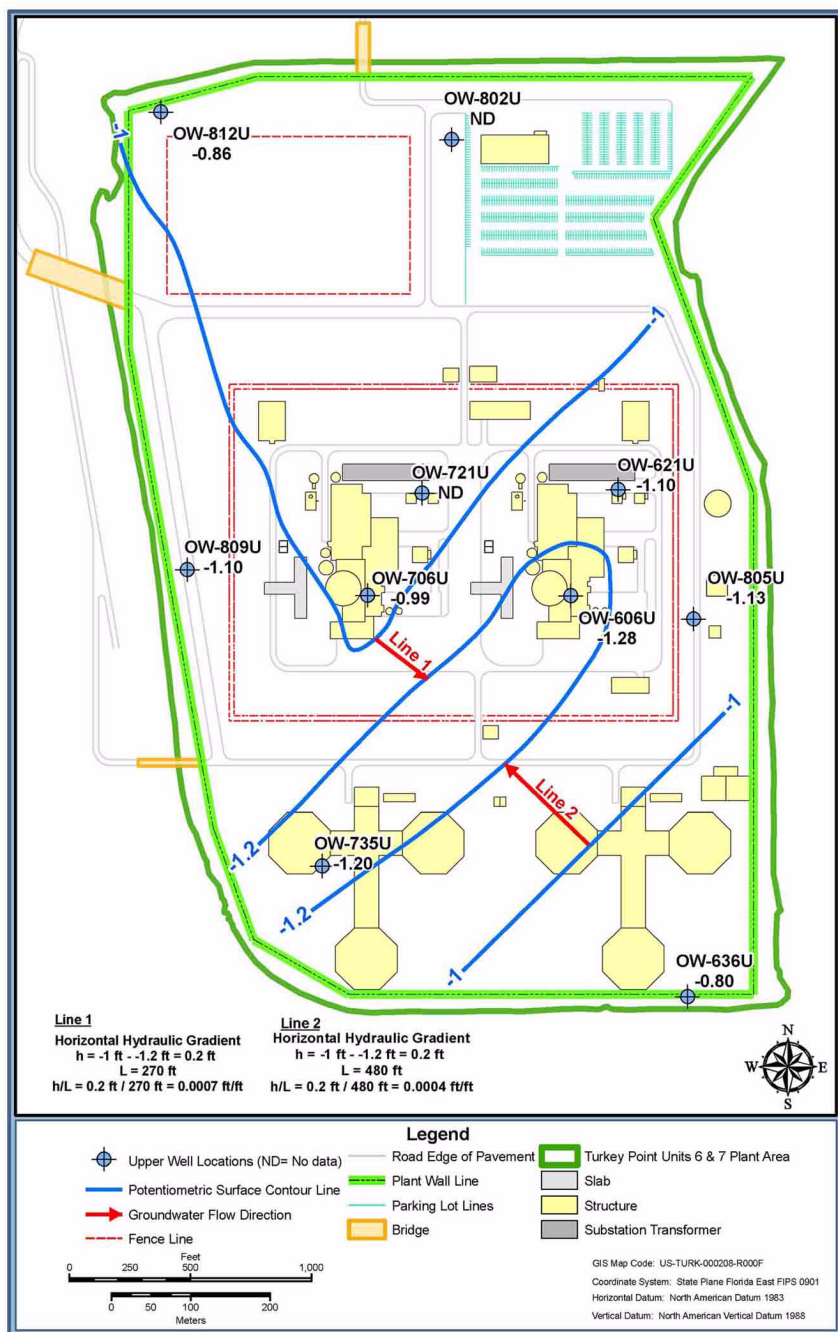
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Figure 2.3-30 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, August 15, 2008 (Sheet 1 of 2) High Tide



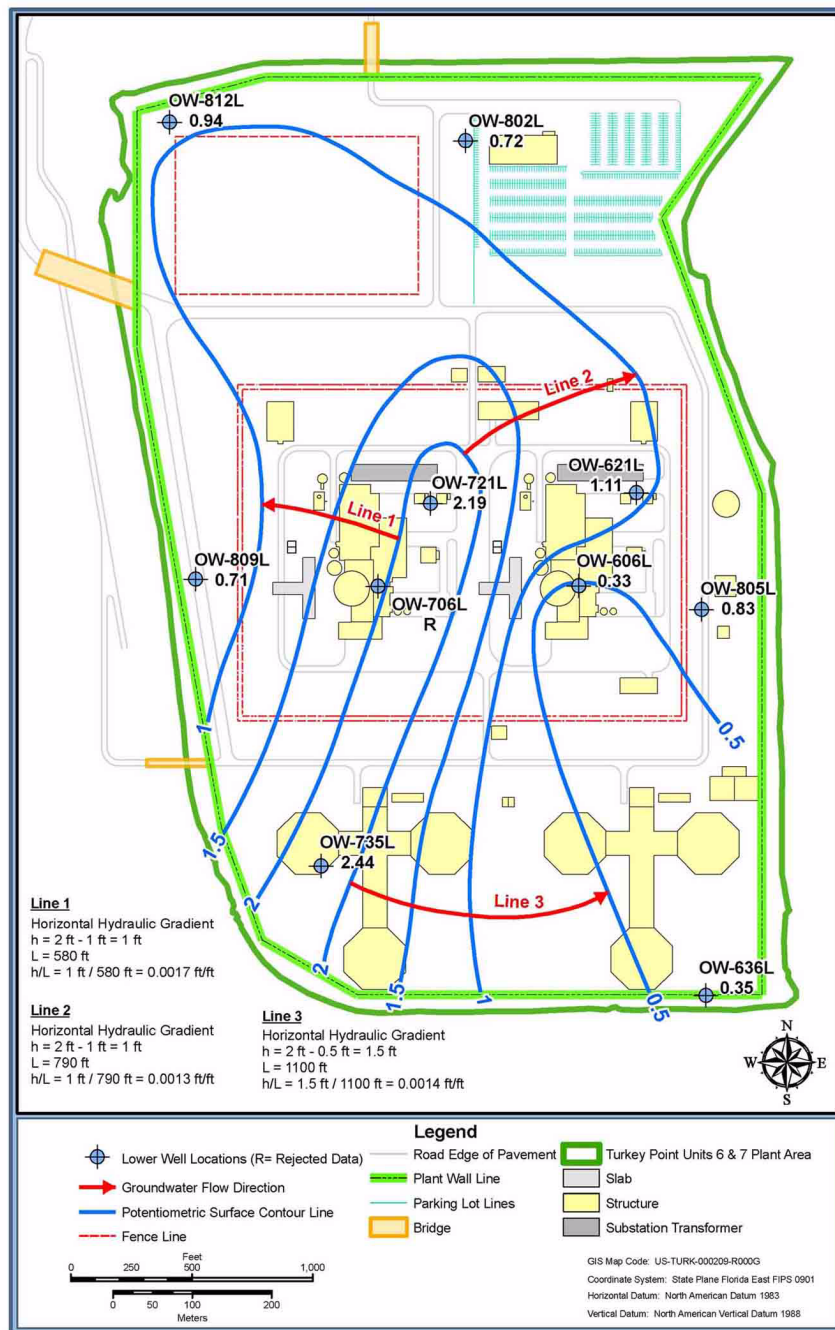
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Figure 2.3-30 Biscayne Aquifer Potentiometric Surface Map, Upper Monitoring Interval, August 15, 2008 (Sheet 2 of 2) Low Tide



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Figure 2.3-31 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, August 15, 2008 (Sheet 1 of 2) High Tide



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Figure 2.3-31 Biscayne Aquifer Potentiometric Surface Map, Lower Monitoring Interval, August 15, 2008 (Sheet 2 of 2) Low Tide

