

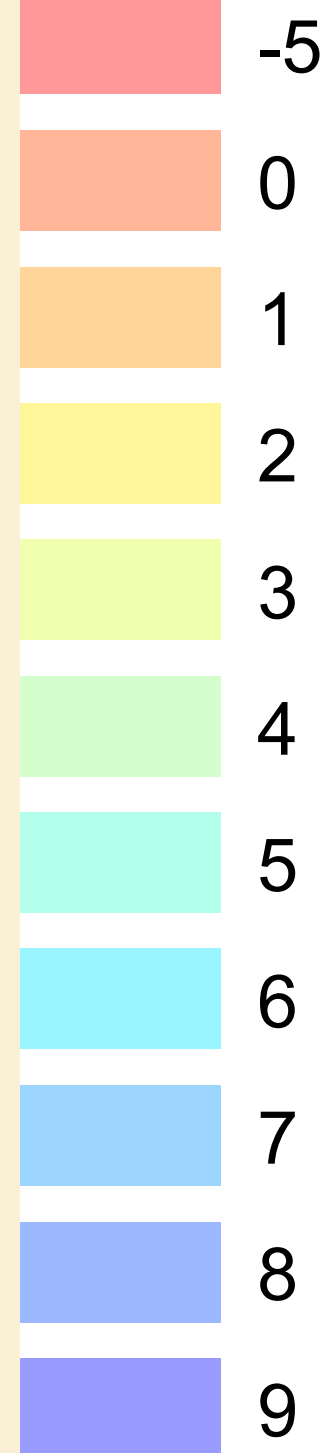
WM 2.1 Future Conditions

05/05/2017

Palm Beach County

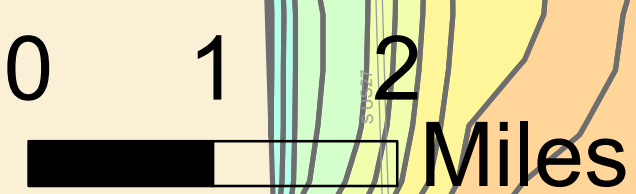


Groundwater Table Elevation (feet, NAVD 1988)



Water Conservation Area

Atlantic Ocean



Miami-Dade County

USGS - United States Geological Survey
 COAPS - Center for Ocean-Atmospheric Prediction Studies
 CCSM - Community Climate System Model
 USACE - United States Army Corps of Engineers
 NRC3 - National Research Council Curve 3
 NAVD 88 - 1988 North American Vertical Datum

Division Name: Environmental Planning and Community Resilience
 Department Name: Environmental Protection and Growth Management

The map represents the expected future average wet season groundwater elevations for Broward County. The average is based on model outputs for the months of May through October over the period of 2060-2069. The models used are The Broward County Inundation Model and the Broward County Northern Variable Density model, both developed by the USGS and MODFLOW based. The future conditions that are modified in the models are both precipitation and sea level rise. The future precipitation pattern is based on the COAPS downscaled CCSM global model and represents an increase of 9.1% rainfall from the base case of 1990-1999 (53.4 in/yr to 58.2 in/yr). Sea level rise was based on the USACE NRC3 curve which equates to an increase of 26.6 to 33.9 inches to the future period from 1992 levels. Final results are presented in NAVD 88.

This map is for planning purposes and should not be used for legal boundary determinations.