# Future Conditions Average Wet Season Groundwater Elevation Map

## WM 2.1
## Future Conditions

05/05/2017

Palm Beach County

**Groundwater Table Elevation (feet, NAVD 1988)**

- -5
- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

Water Conservation Area

Atlantic Ocean

0 1 2 Miles

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

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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.