

Item #190488  
10/28/19

# Potential Recharge Benefits to the Floridan Aquifer

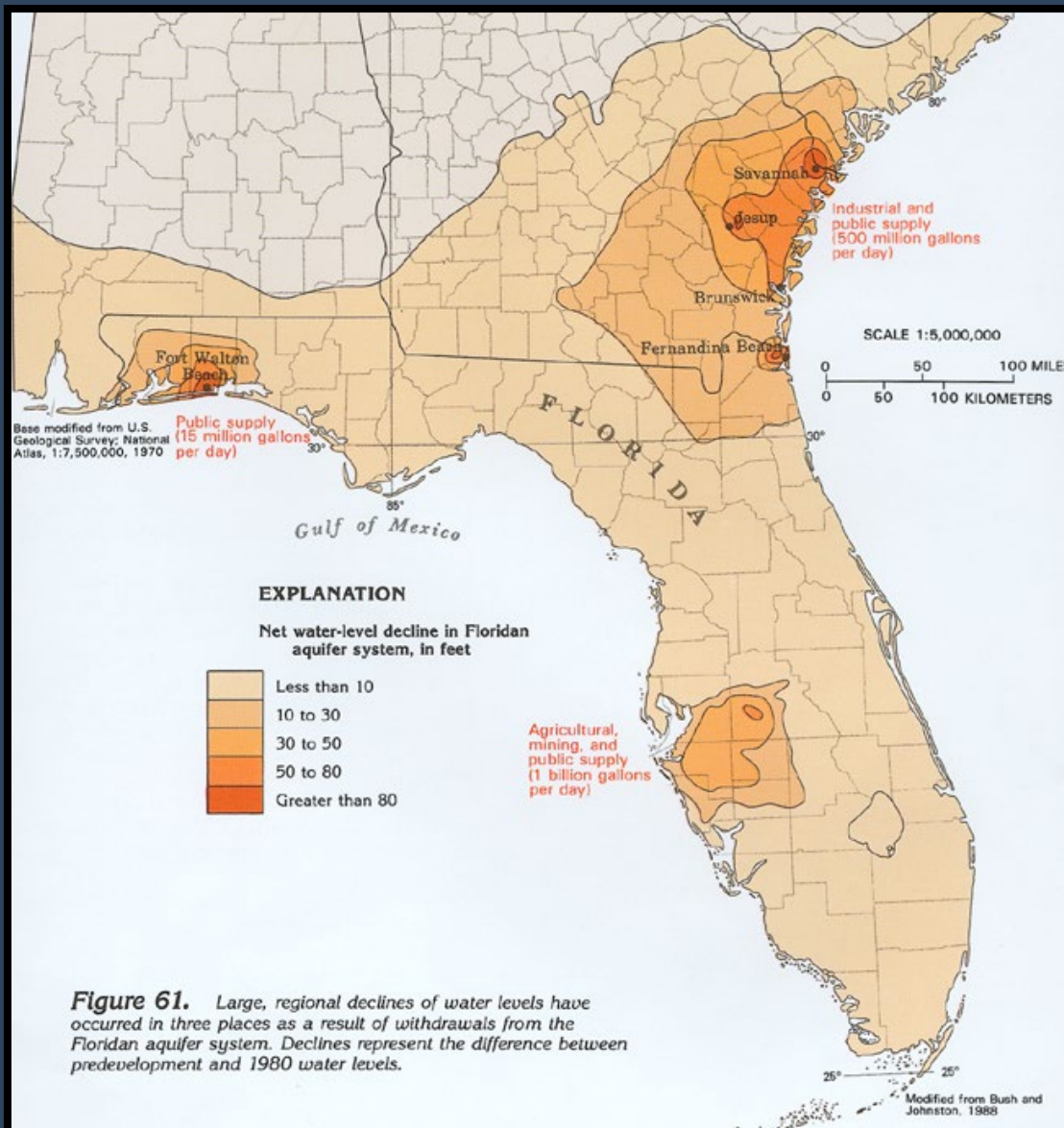
Tom Mirti



- Joint Water Policy Briefing



# Declines in Floridan Aquifer Level from Predevelopment Conditions Through 1980 (USGS, 1988)



**Figure 61.** Large, regional declines of water levels have occurred in three places as a result of withdrawals from the Floridan aquifer system. Declines represent the difference between predevelopment and 1980 water levels.

**Water for Nature,  
Water for People.**



## EXPLANATION



GROUND-WATER CONTRIBUTING AREA, To the Suwannee River Water Management District under pre-development conditions.



GROUND-WATER FLOW LINE



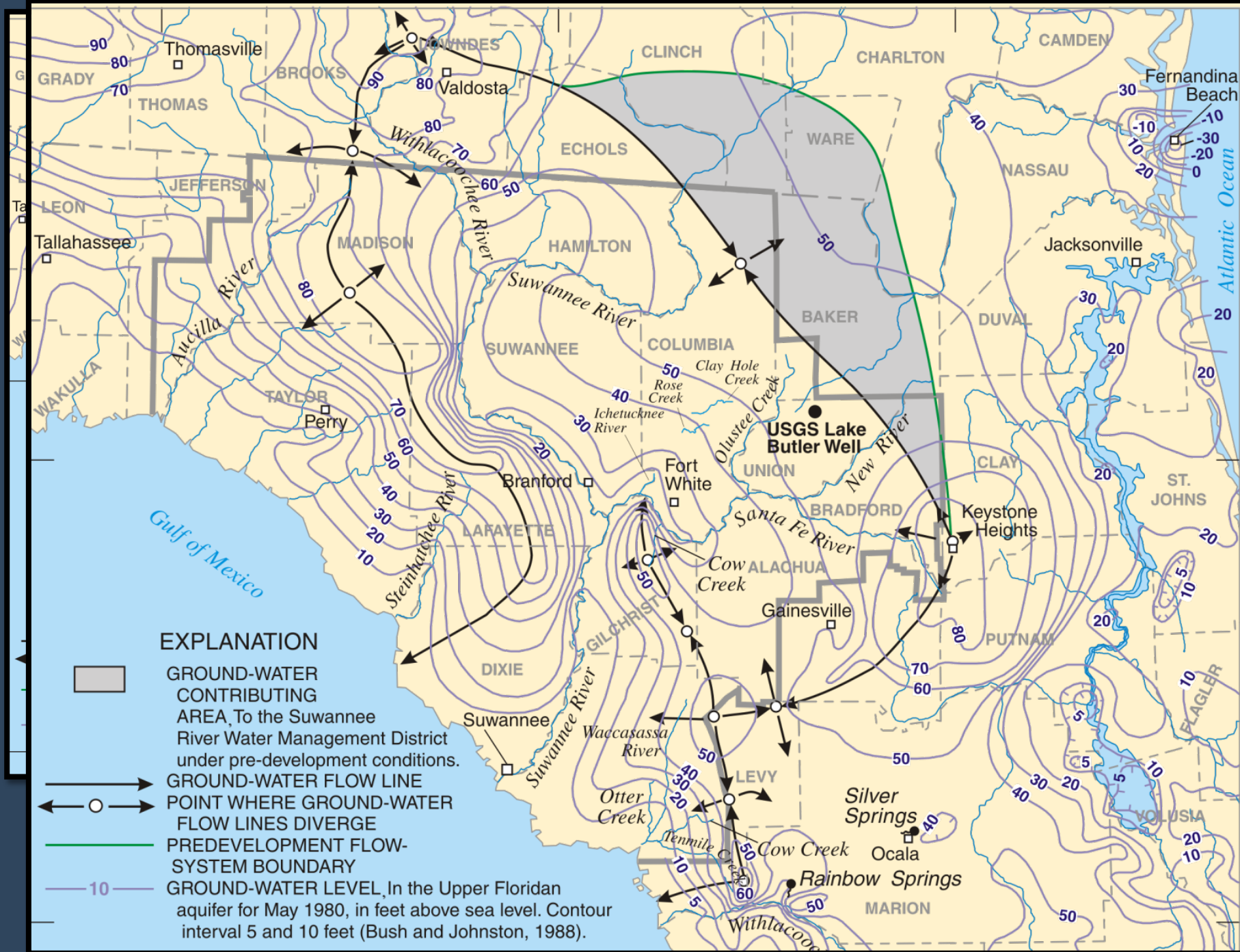
POINT WHERE GROUND-WATER FLOW LINES DIVERGE



PREDEVELOPMENT FLOW-SYSTEM BOUNDARY



GROUND-WATER LEVEL, In the Upper Floridan aquifer for May 1980, in feet above sea level. Contour interval 5 and 10 feet (Bush and Johnston, 1988).

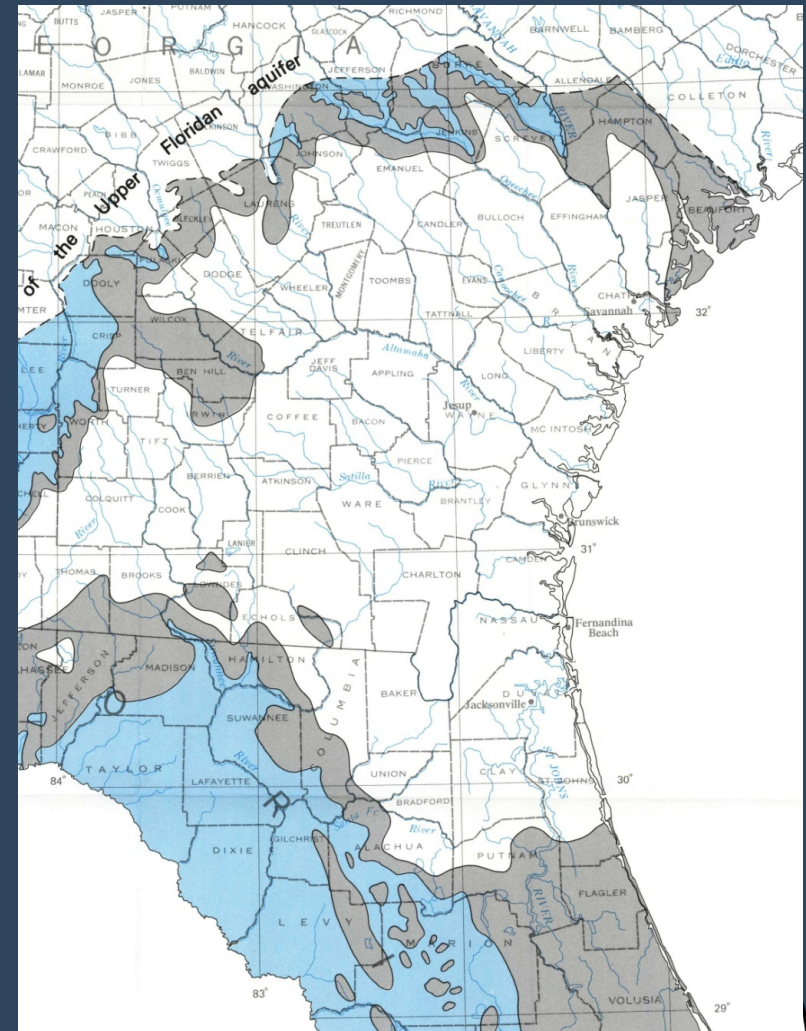




# Drawdown



# Confinement

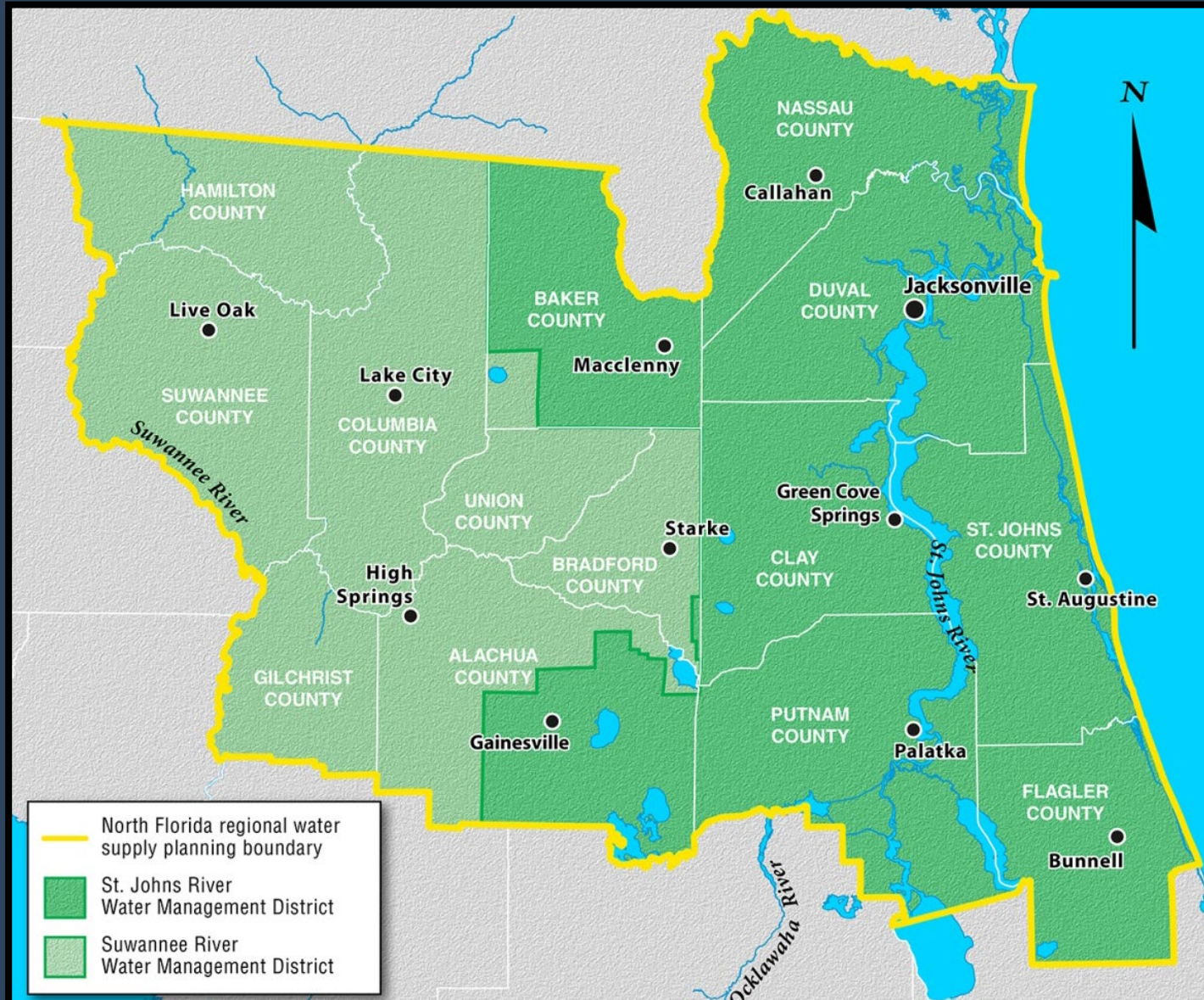


**Water for Nature,  
Water for People.**





# North Florida Regional Water Supply Planning Area

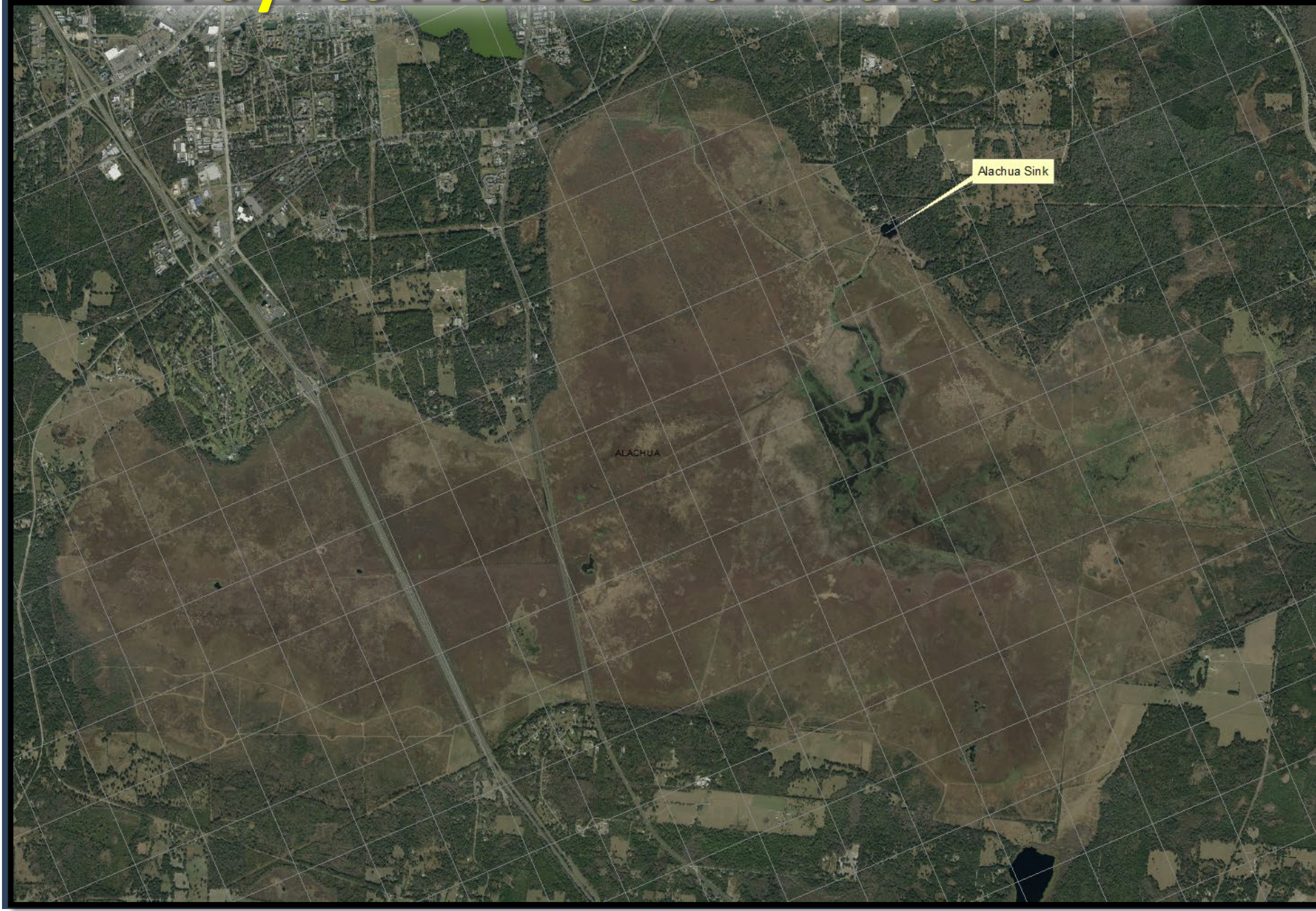


**Water for Nature,  
Water for People.**

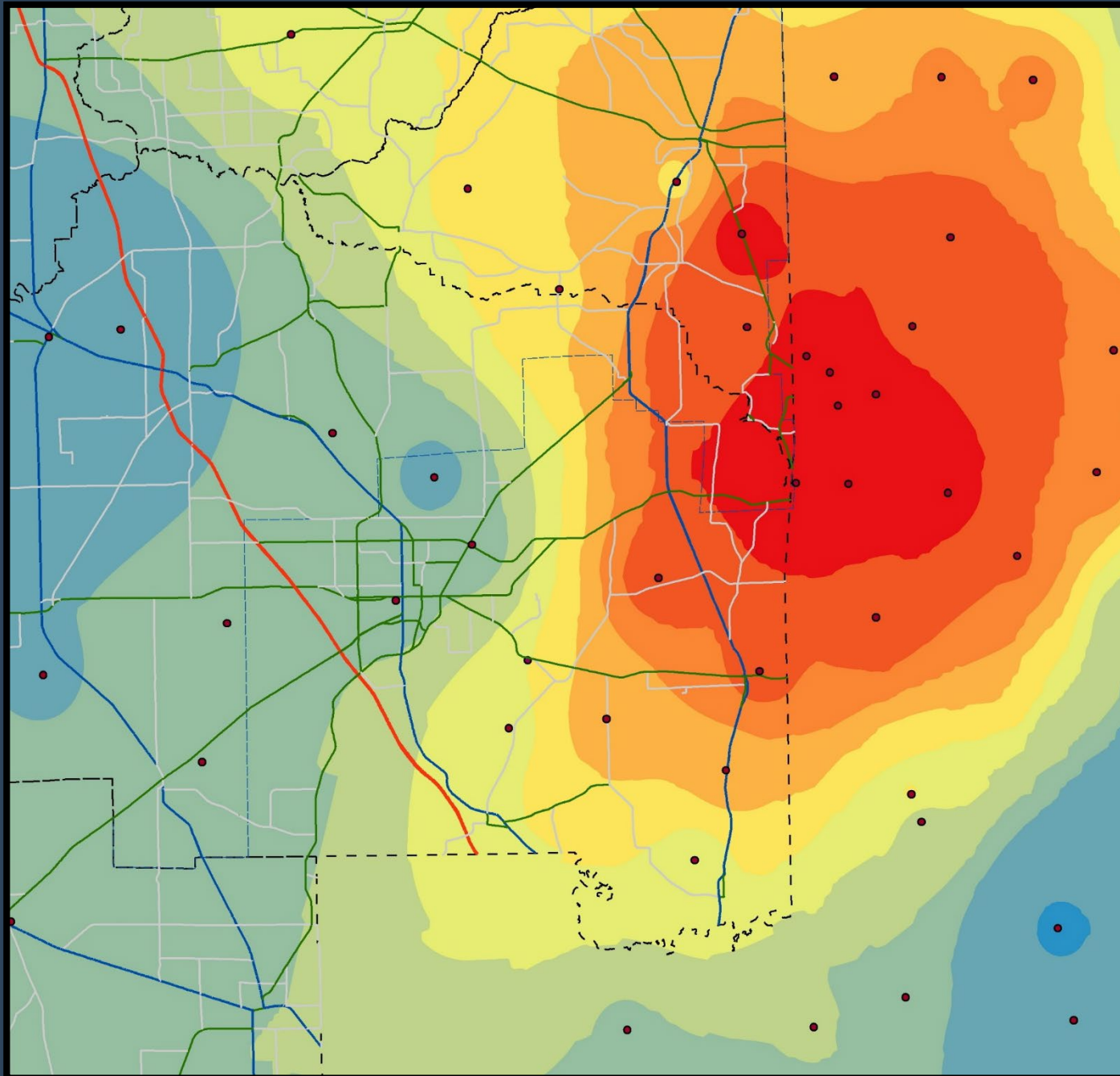




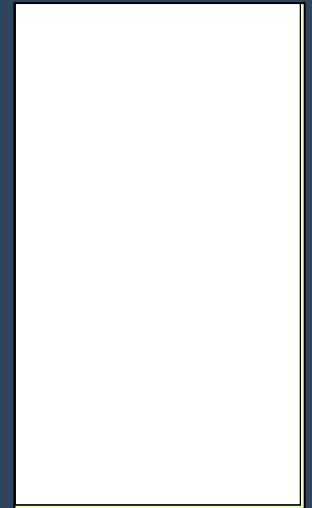
# Paynes Prairie and Alachua Sink



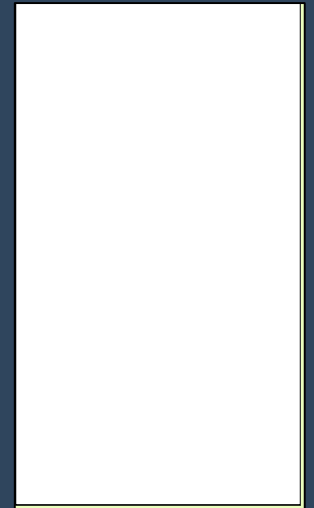
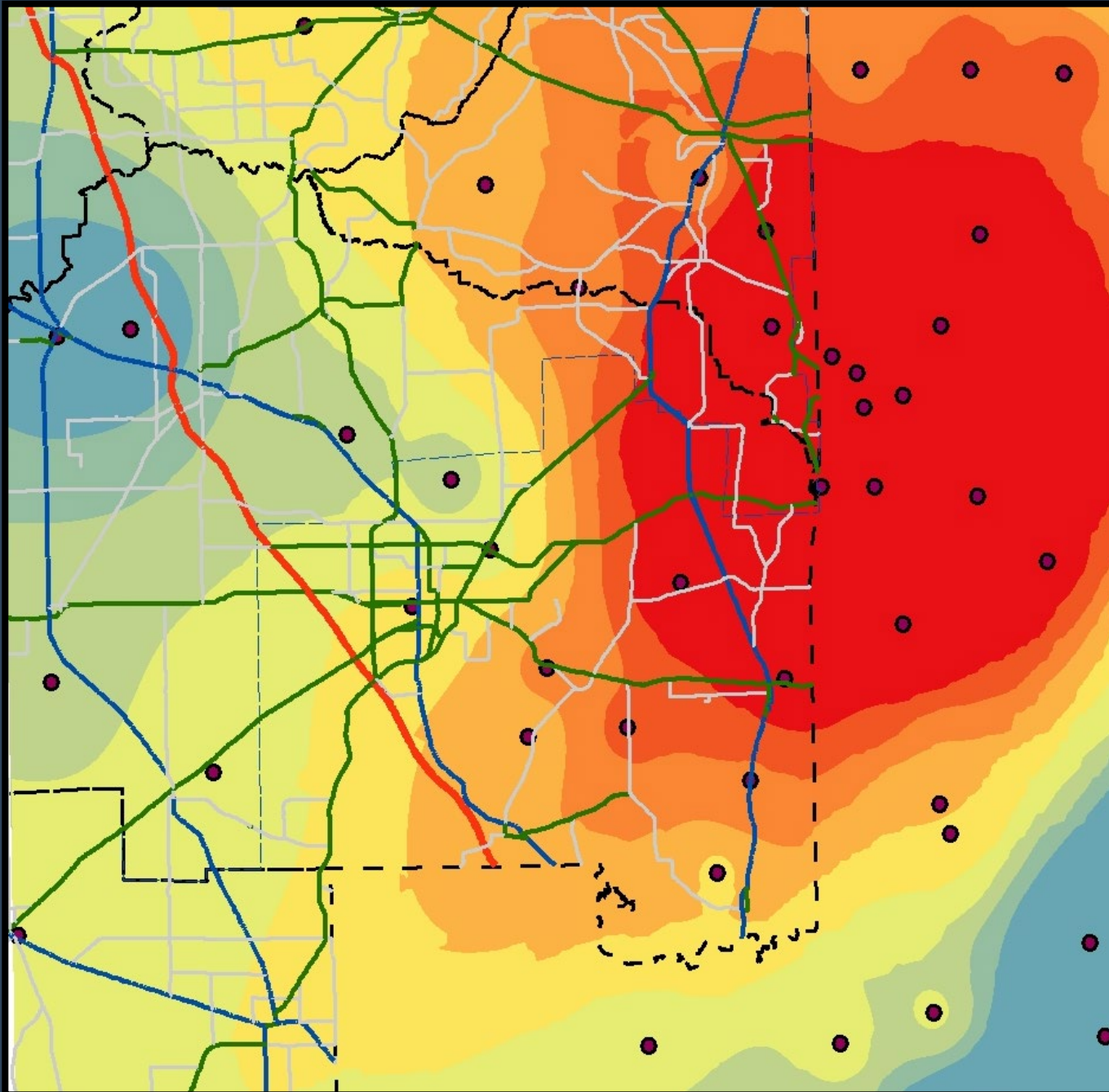




**Floridan  
Aquifer  
Potentiometric  
Surface  
May 2017  
*Dry Period***



**Floridan  
Aquifer  
Potentiometric  
Surface  
January 2019  
*Wet Period***





# Suwannee River Water Management District

HYPLOT V134 Output 10/16/2019

Period 8 Year 01/01/2011 to 01/01/2019

2011-18

📄 S102015001

227.00

Level (ft-NAVD88)

Unit Value Level

T

📄 27274764

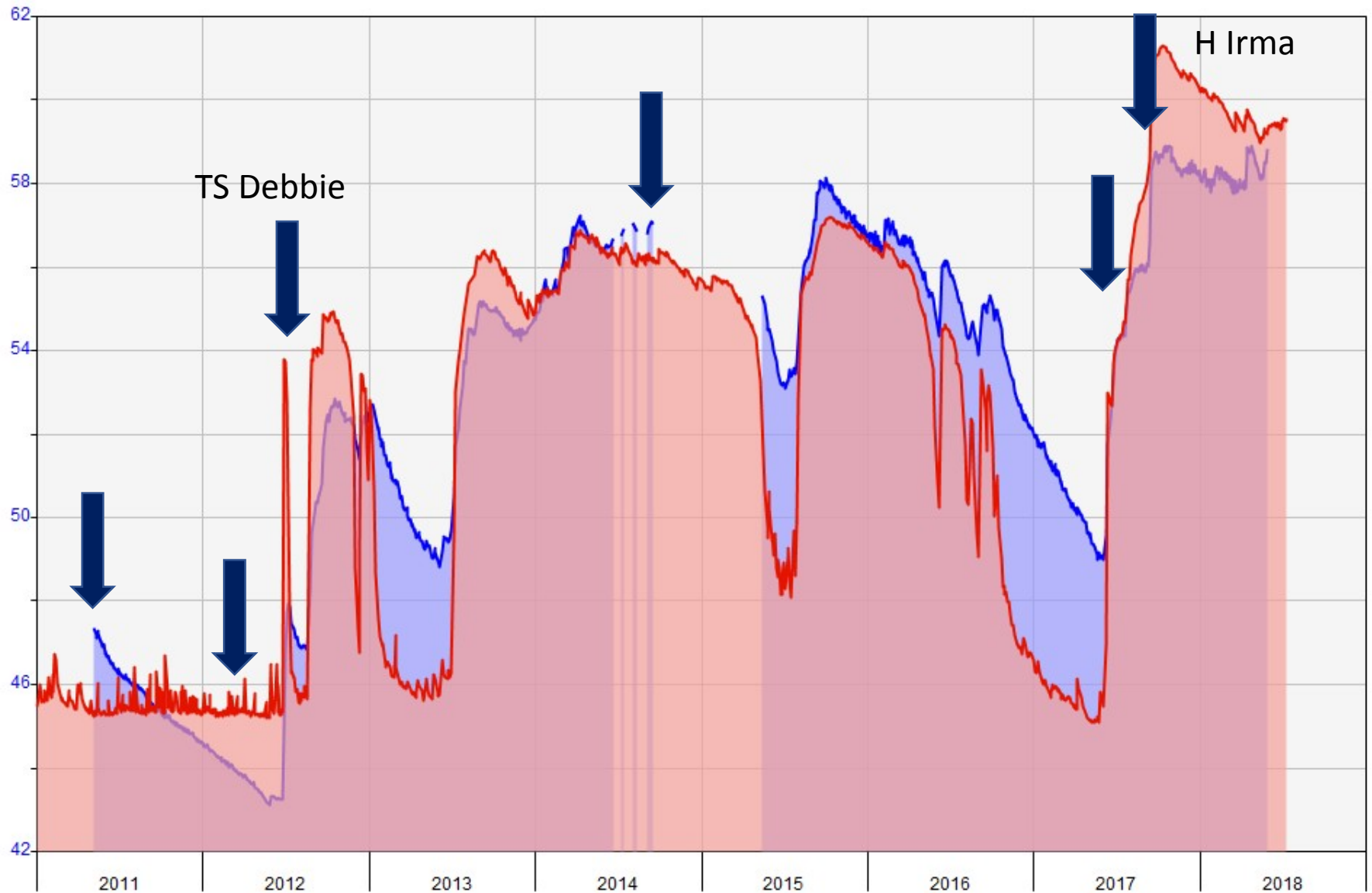
PaynesPrCulverts

227.00

Level (ft-NAVD88)

Unit Value Level

SJRWMD\_ARCH





# Suwannee River Water Management District

HYPLOT V134 Output 10/16/2019

Period 8 Year 01/01/2011 to 01/01/2019

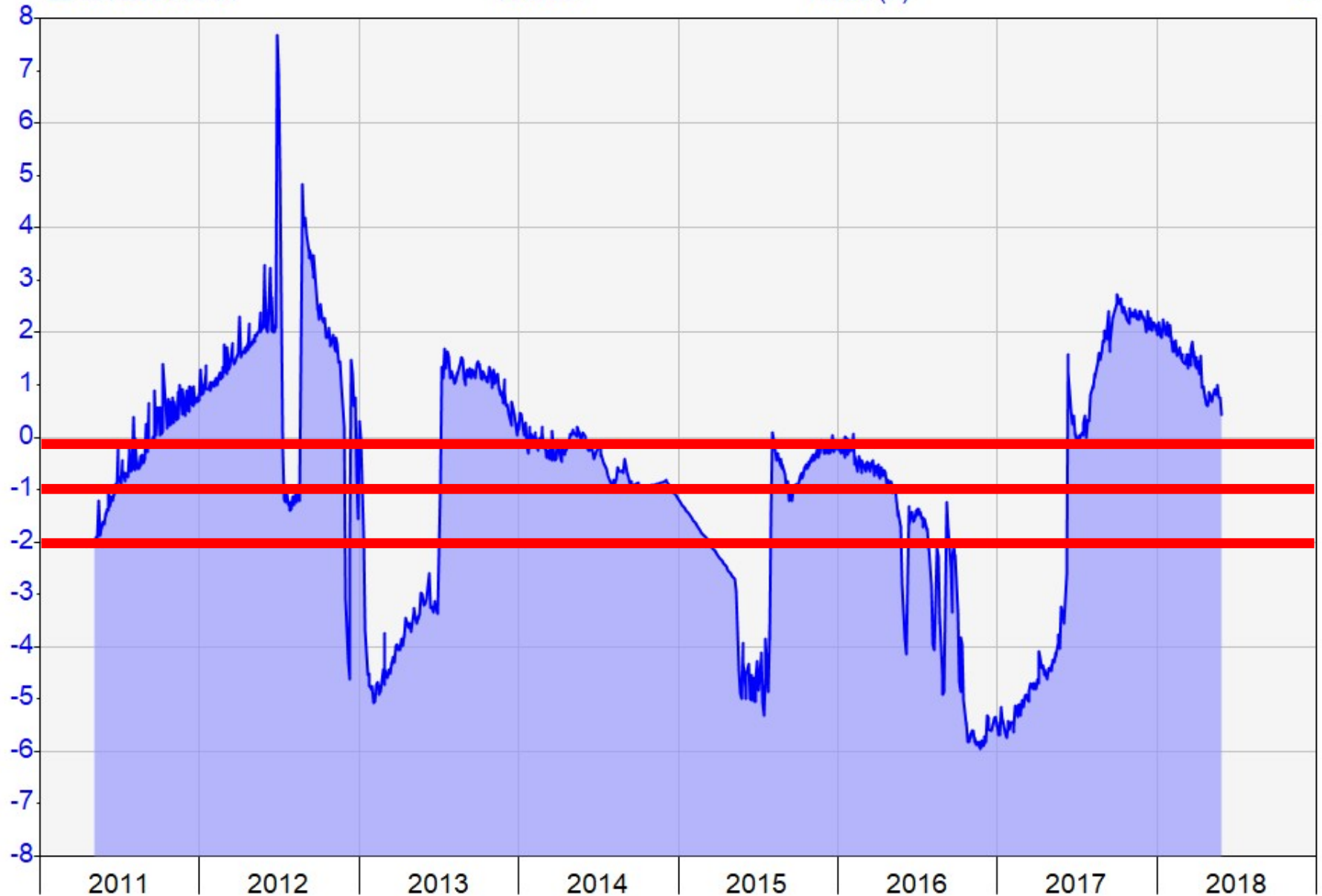
2011-18

■ S102015001

104.00

Head (ft)

V







**Water for Nature,  
Water for People.**

