

District Water Supply Plan 2010 Technical Methodology Workshop

July 9, 2009

**St. Johns River Water Management District
Suwannee River Water Management District**

Projected changes in the elevation of the potentiometric surface of the Floridan aquifer system

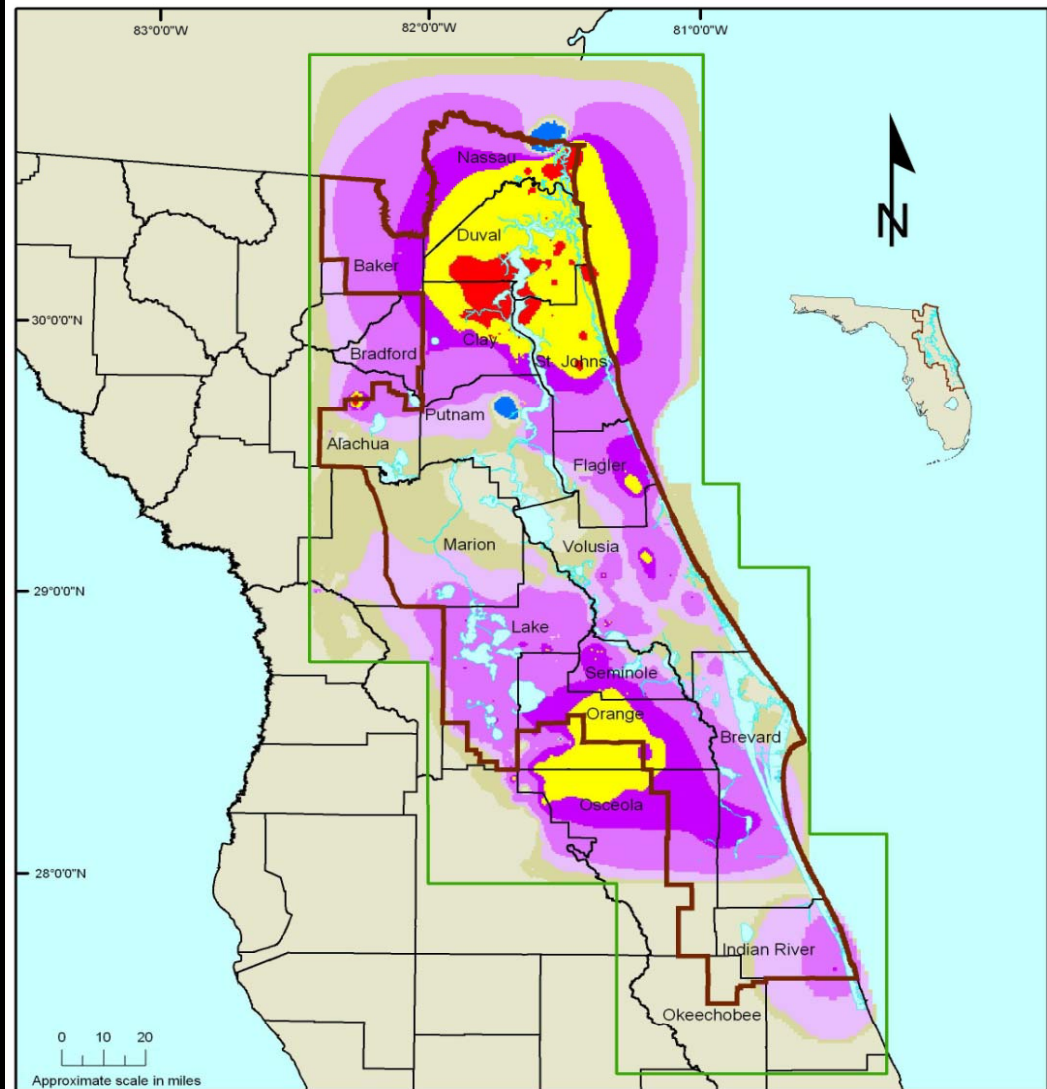
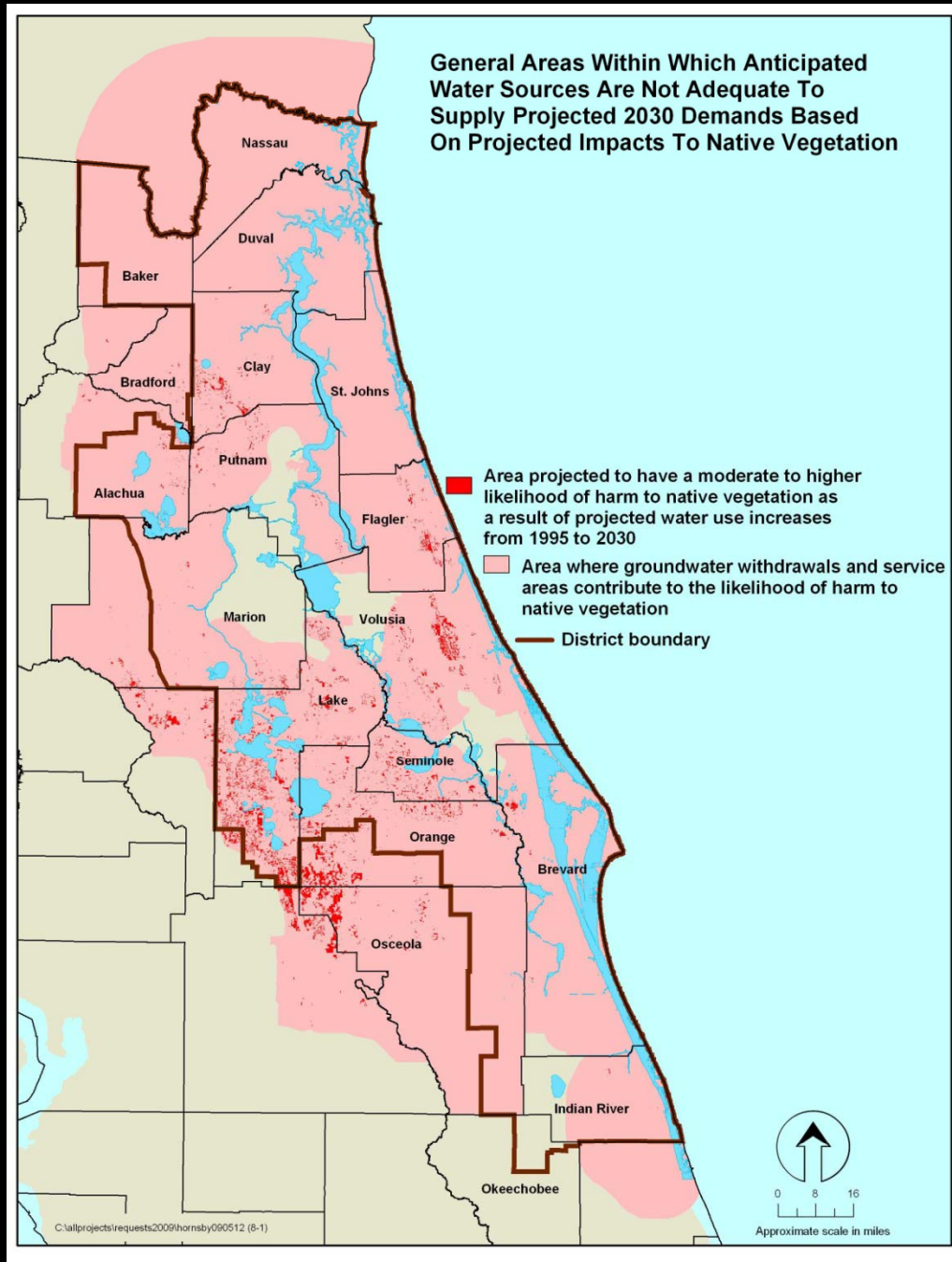


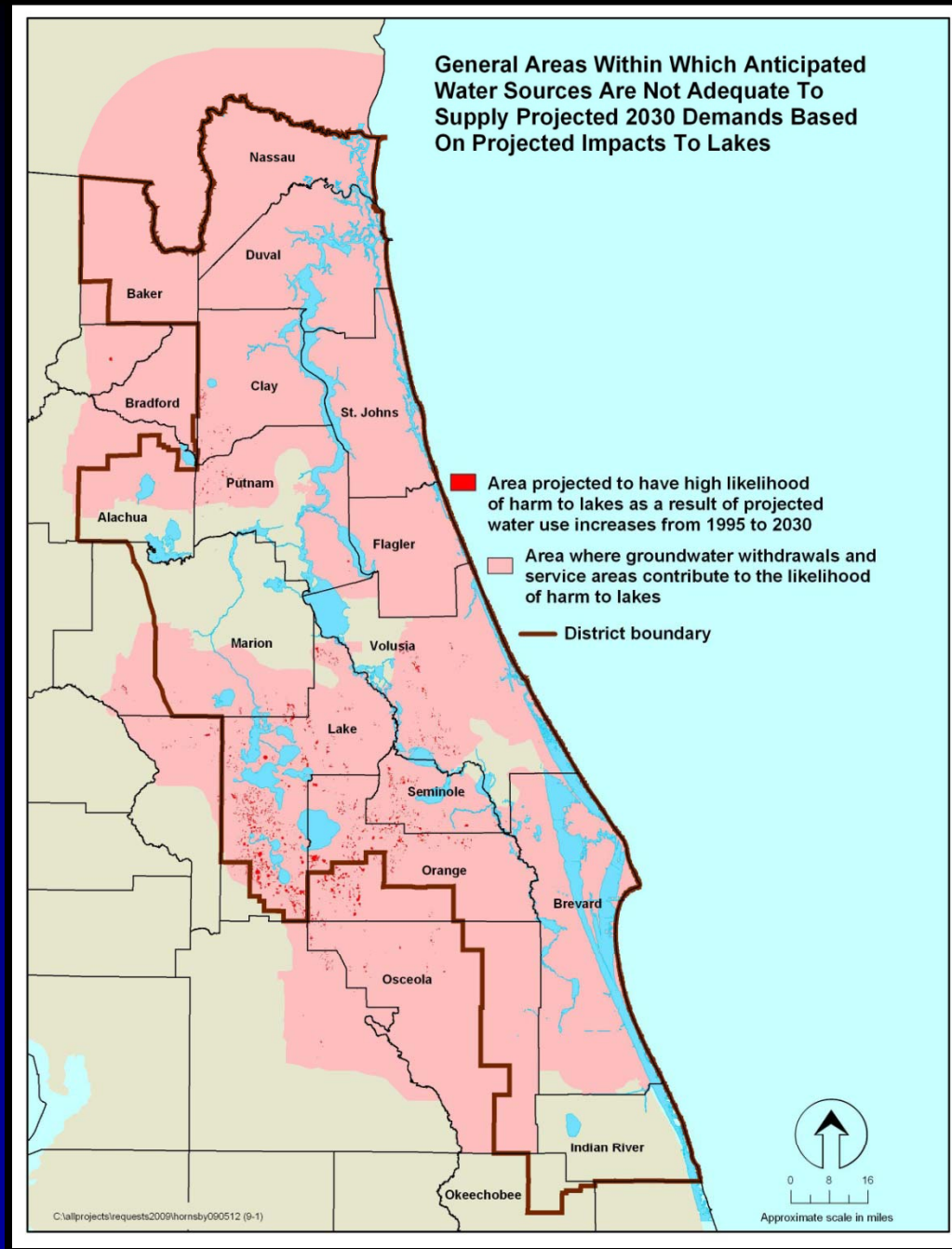
Figure 7. Projected changes in the elevation of the potentiometric surface of the Floridan aquifer system in response to projected increases in groundwater withdrawals, 1995 - 2030



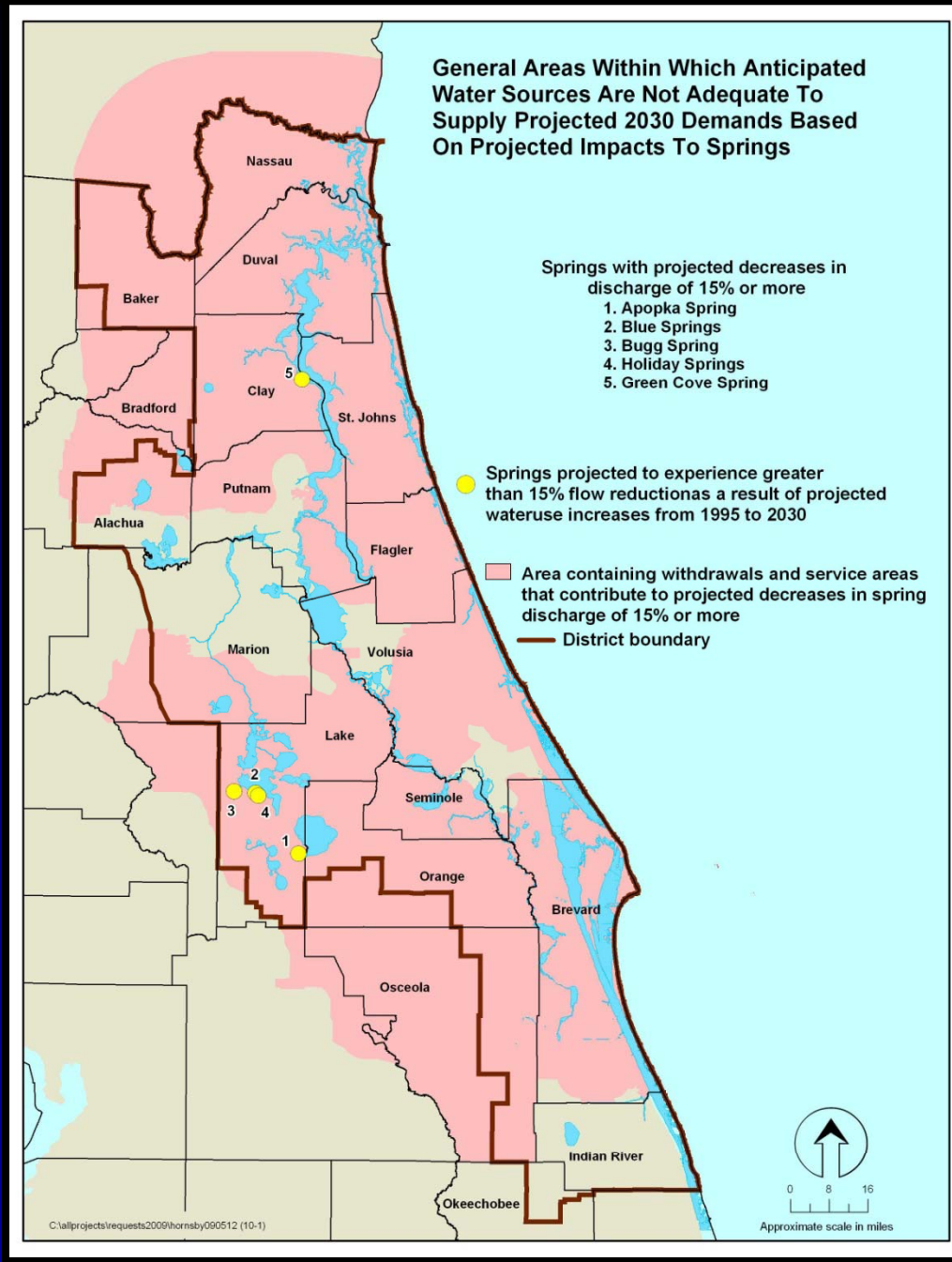
Projected Unacceptable Impacts to Native Vegetation



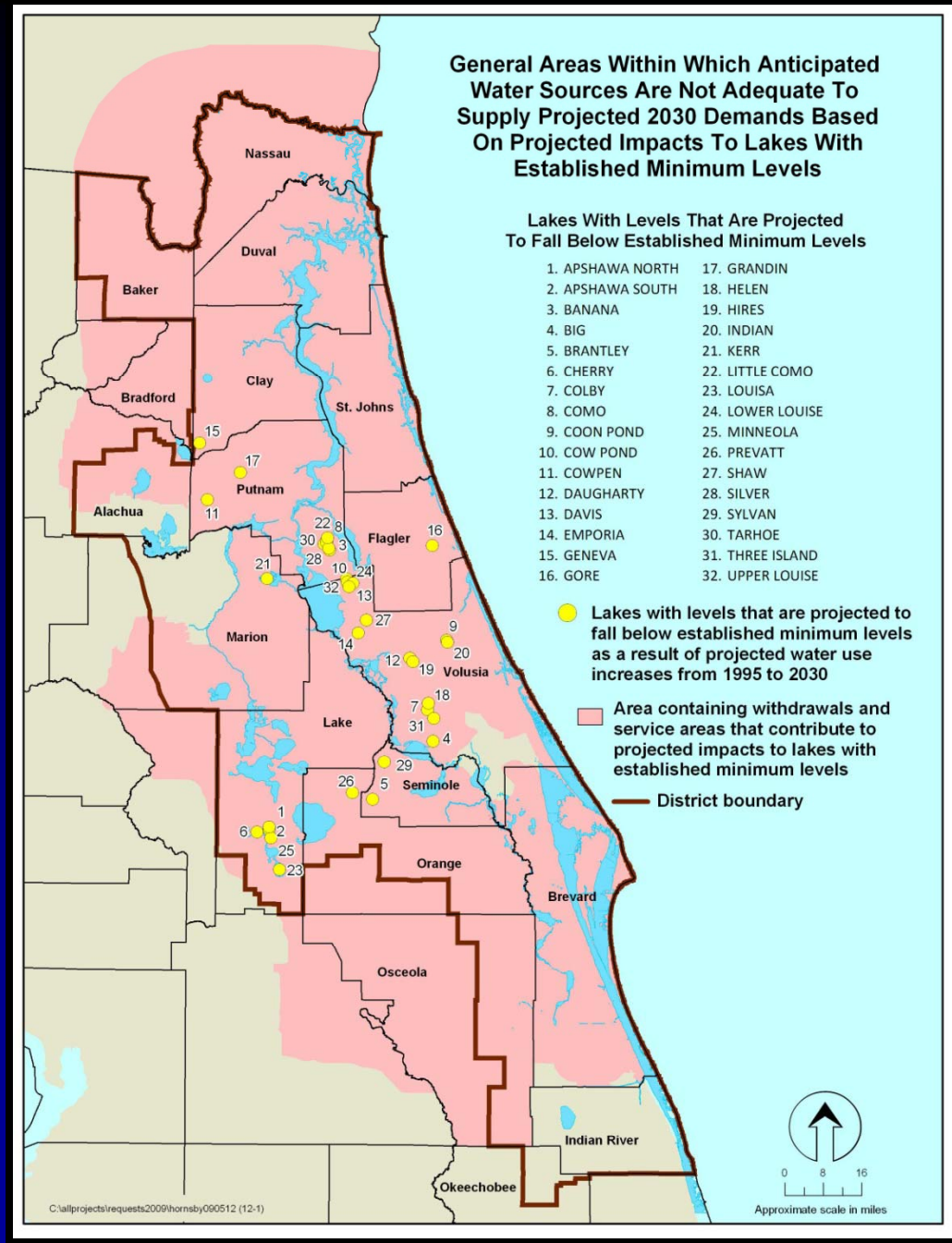
Projected Unacceptable Impacts to Lakes



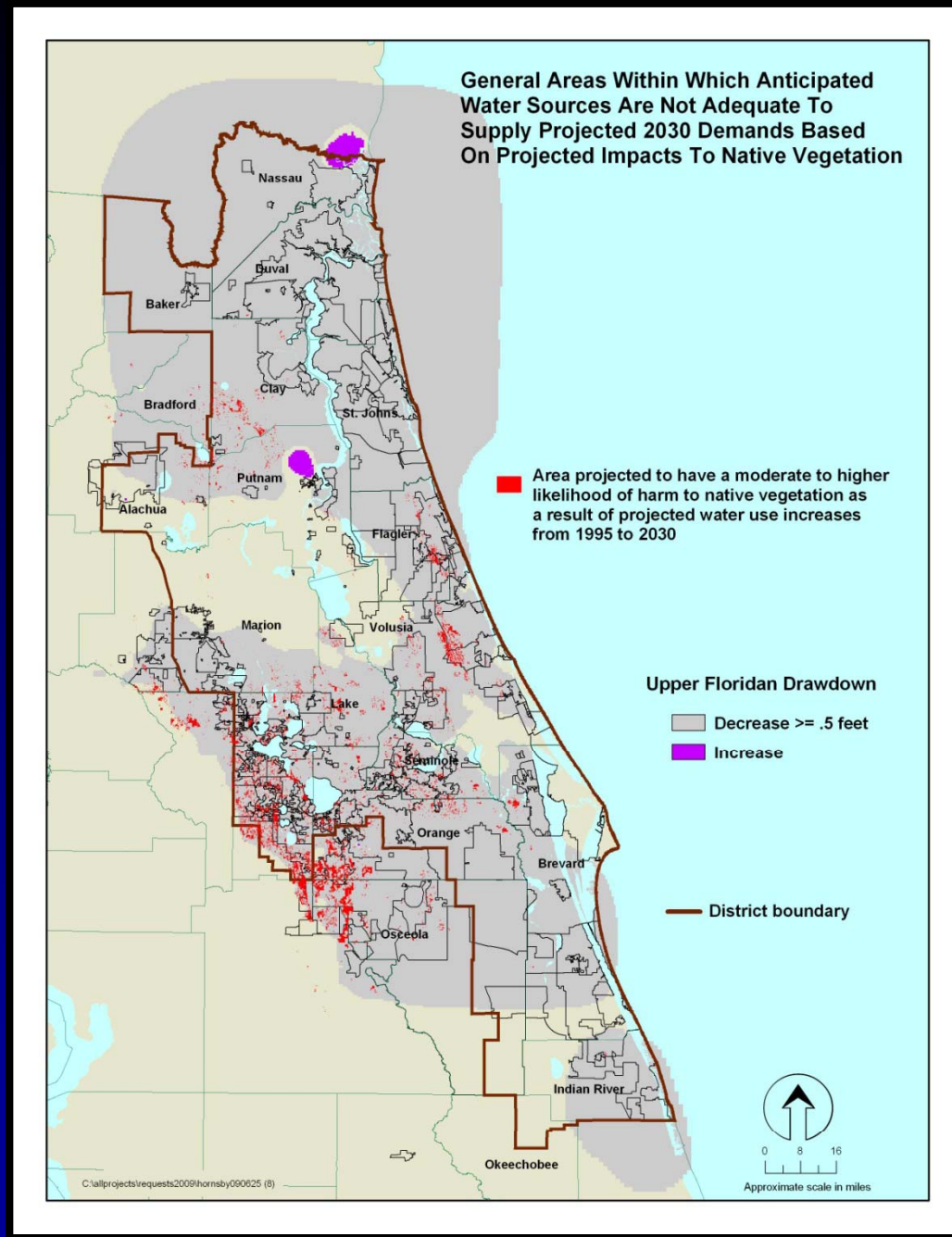
Impacts to Springs (15% Reduction in Flow)



Lakes with Levels Projected to Fall Below Established MFLs

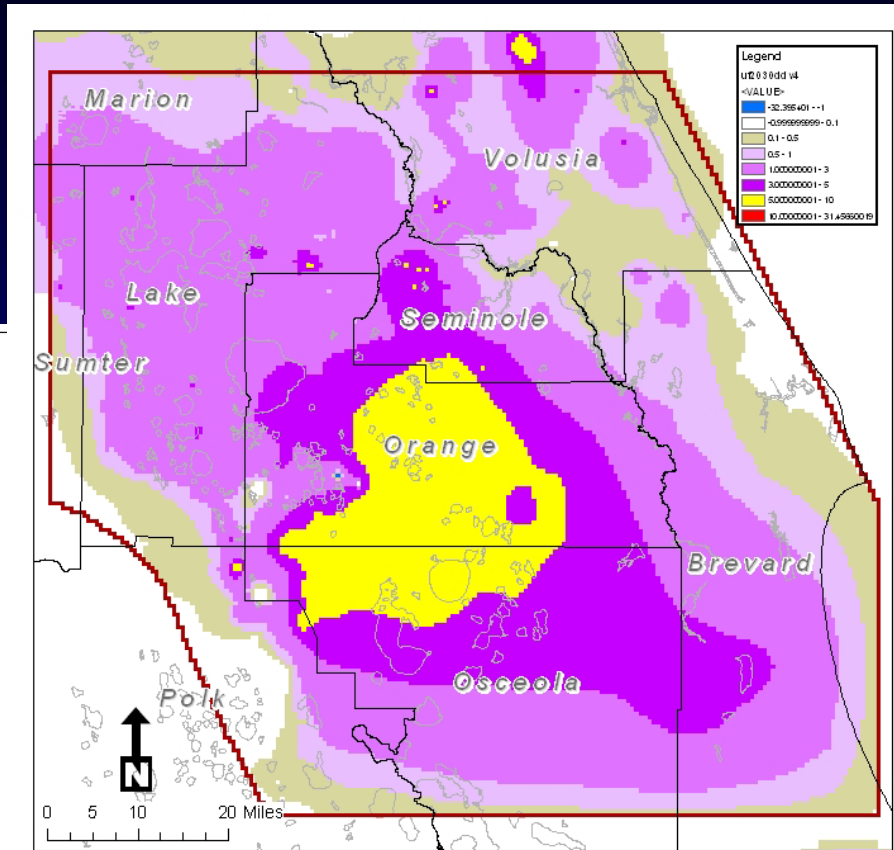
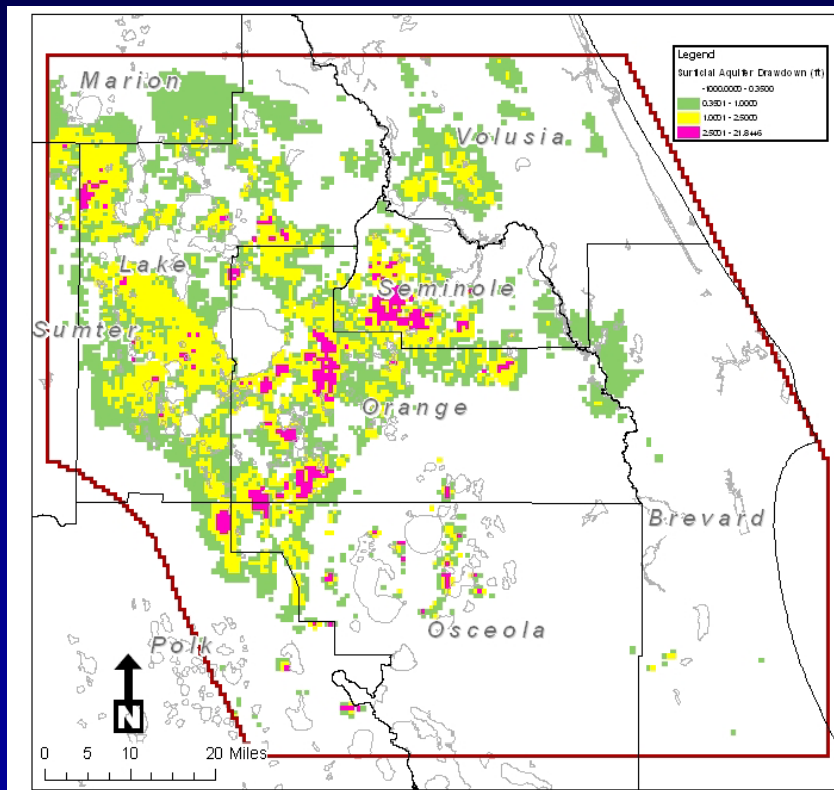


Projected Unacceptable Impacts to Native Vegetation



SJRWMD East-central Florida Groundwater Model

ECF Model Water Use Totals			
Use Type	1995 MGD	2013 MGD	2030 MGD
PS	314.4	550.1	636.1
Ag	124.7	105.4	111.4
DSS	36.0	36.0	44.2
Com/Ind	45.2	29.4	68.4
Rec	5.45	5.27	39.6
Total Withdrawal	475.1	691.5	791.7



Upper Floridan Aquifer Drawdown

Public Supply	MGD	Allocation Year
Inside CFCA	479.61	2013
Outside CFCA	156.53	2030
Public Supply Total	636.14	2013/2030