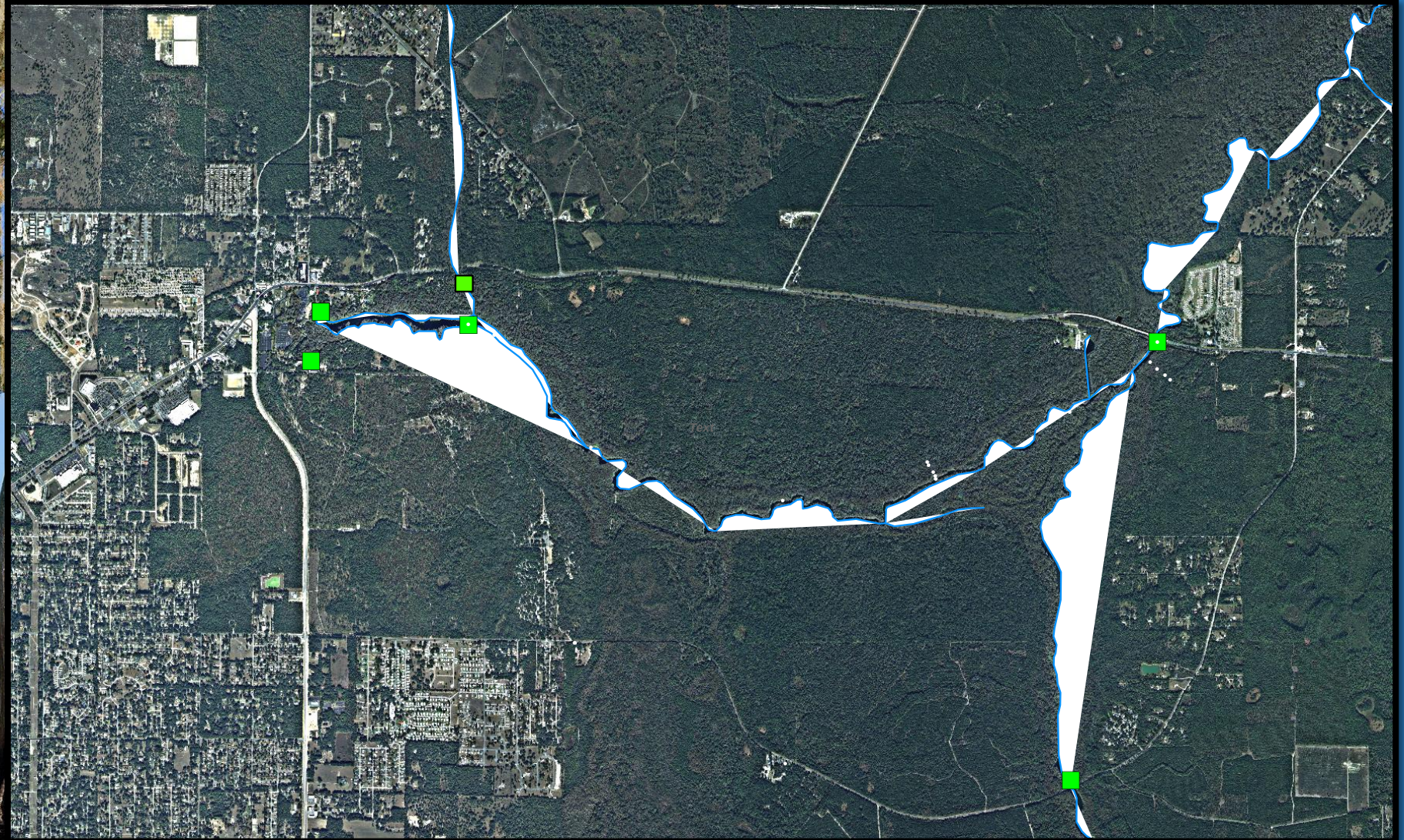


Springs Protection Initiative Monitoring



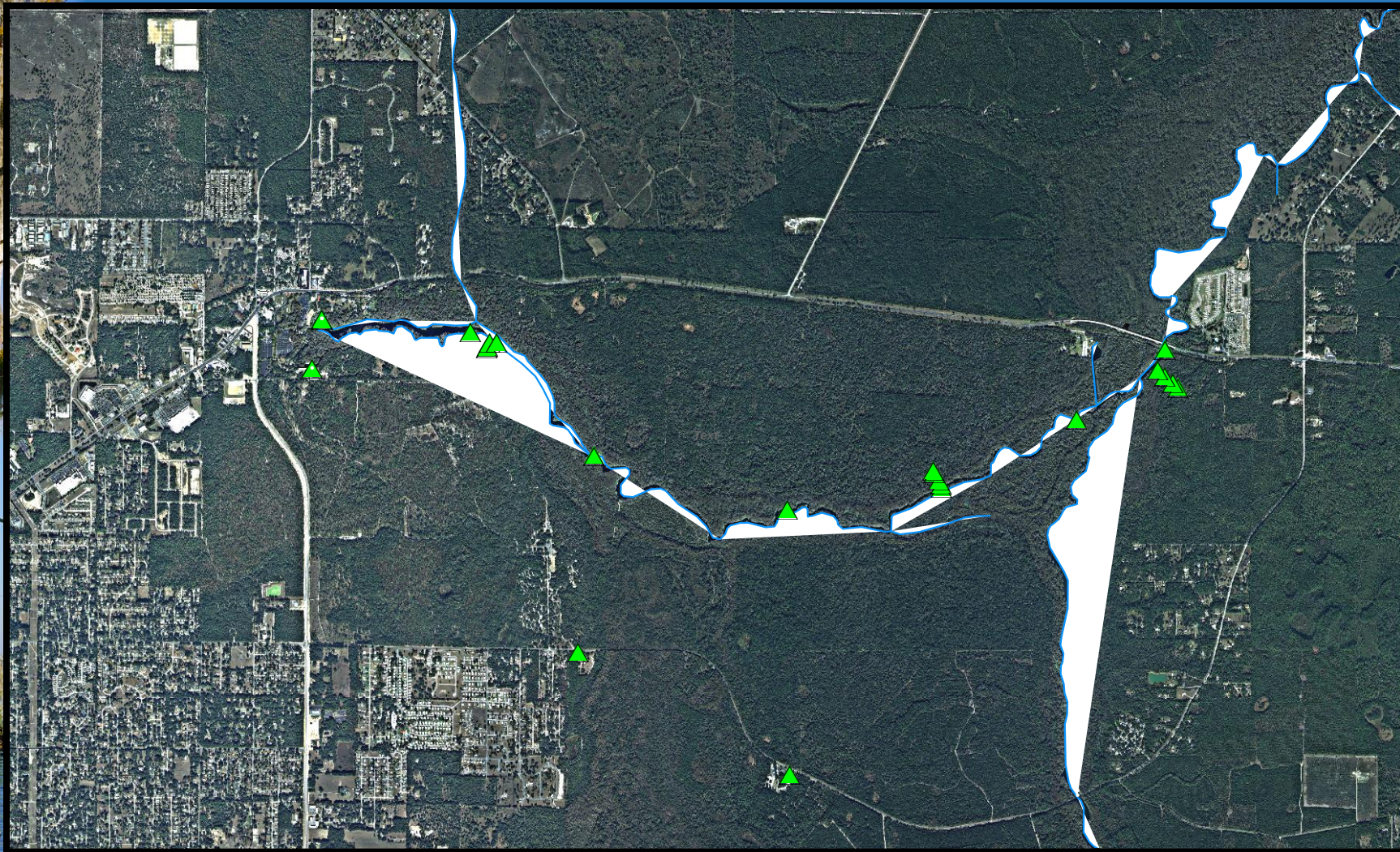
**Silver Springs Basin Management Action Plan Meeting
October 24, 2013**

Discharge Monitoring

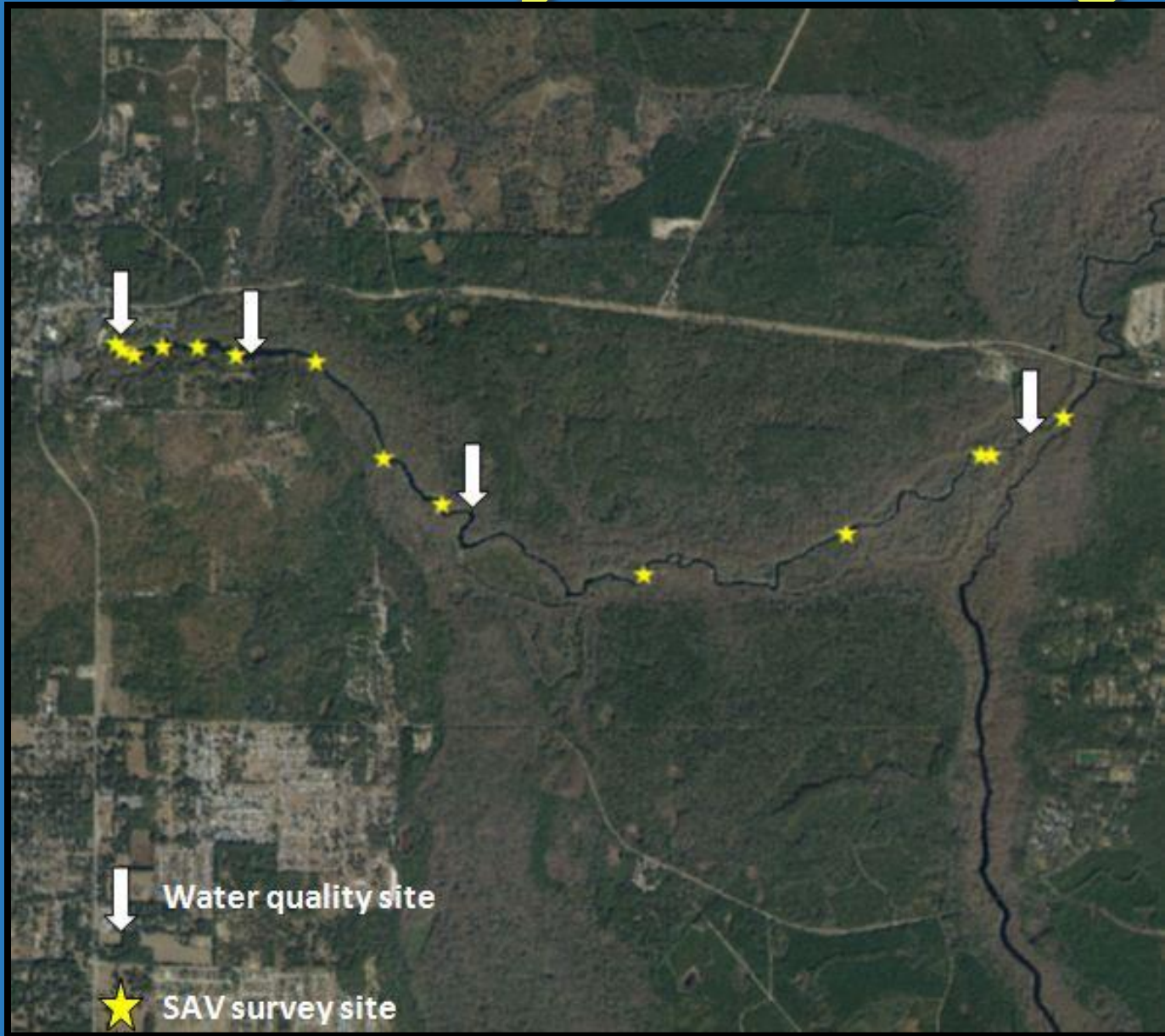


in cooperation with USGS

Water Level



Water Quality and Biological

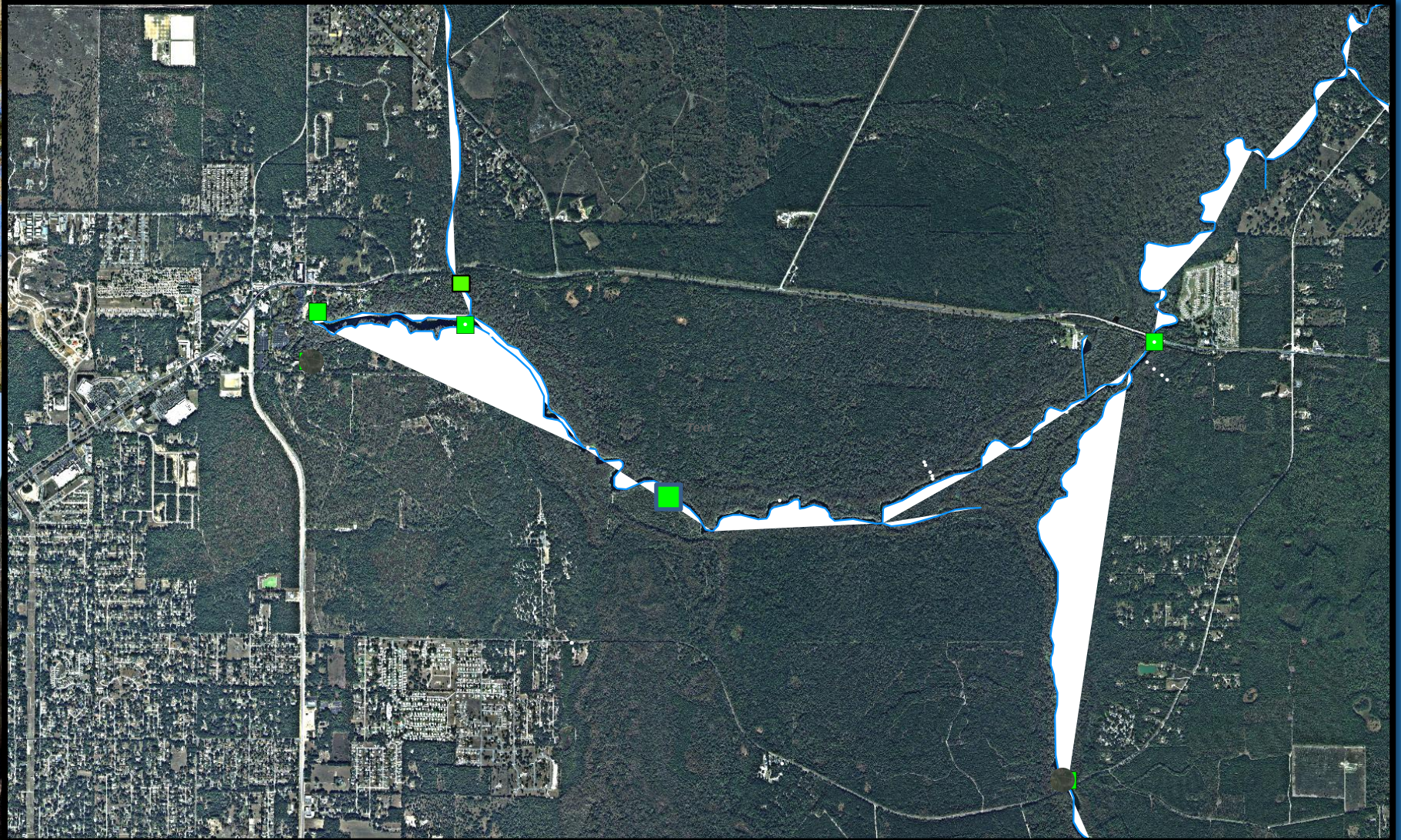


Biological

- Quantitative sampling of benthic algal mats and attached algae (species richness, total dry weight, density by species, diversity)
- Quantitative sampling of submerged aquatic vegetation (SAV), focusing on the dominant species at each sampling site (total dry weight and by species; shoot morphometrics)
- Quantitative sampling of benthic macroinvertebrates associated with algal mats and SAV habitat (species richness, density, diversity)



Continuous Water Quality



Water Quality Sensor

- Multiparameter YSI EXO2 sondes
 - *in situ* nitrate-nitrogen concentration
 - pH
 - dissolved oxygen (DO)
 - Conductivity
 - Temperature
 - Depth
- Integrated into the District telemetry network

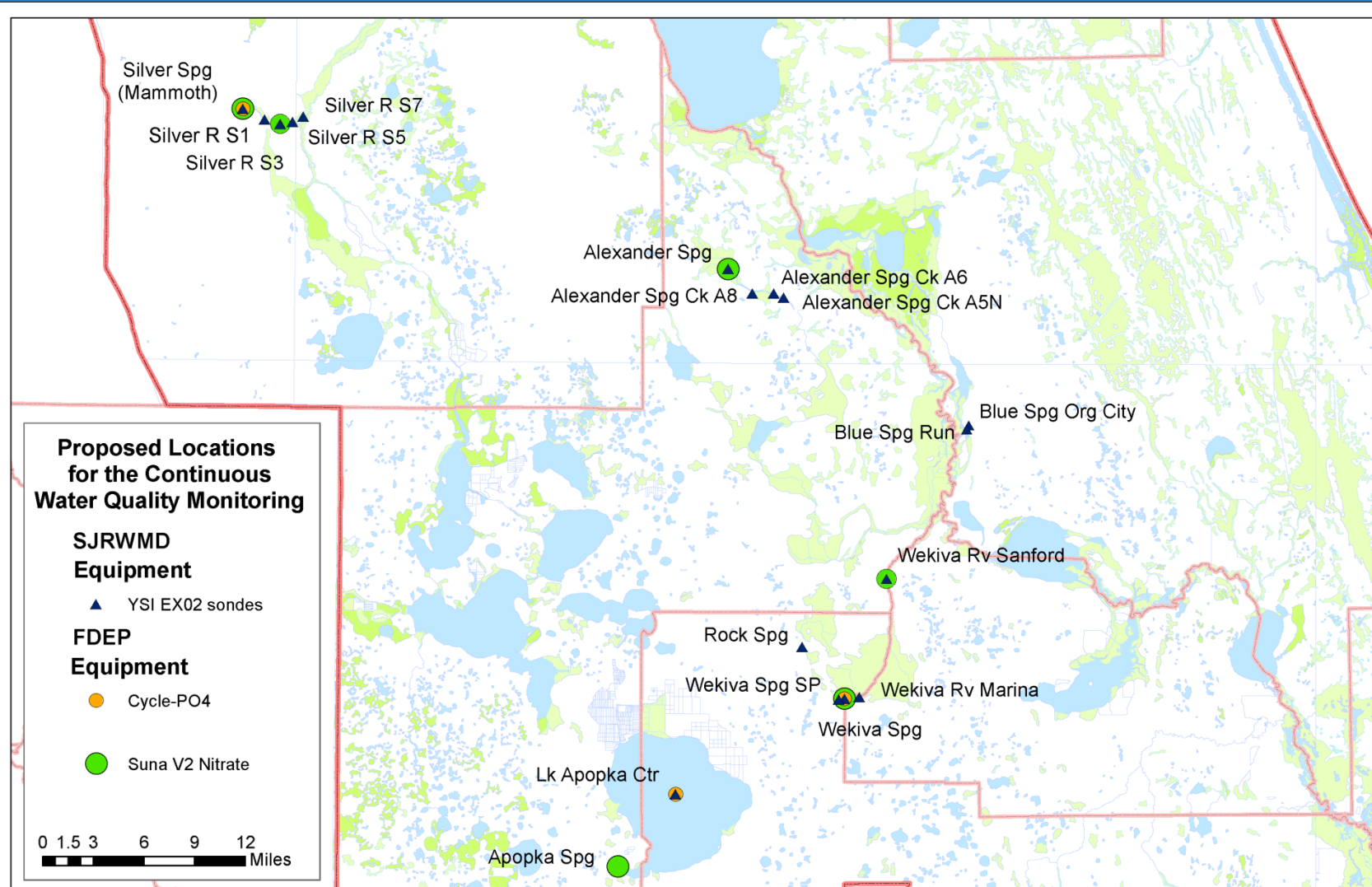


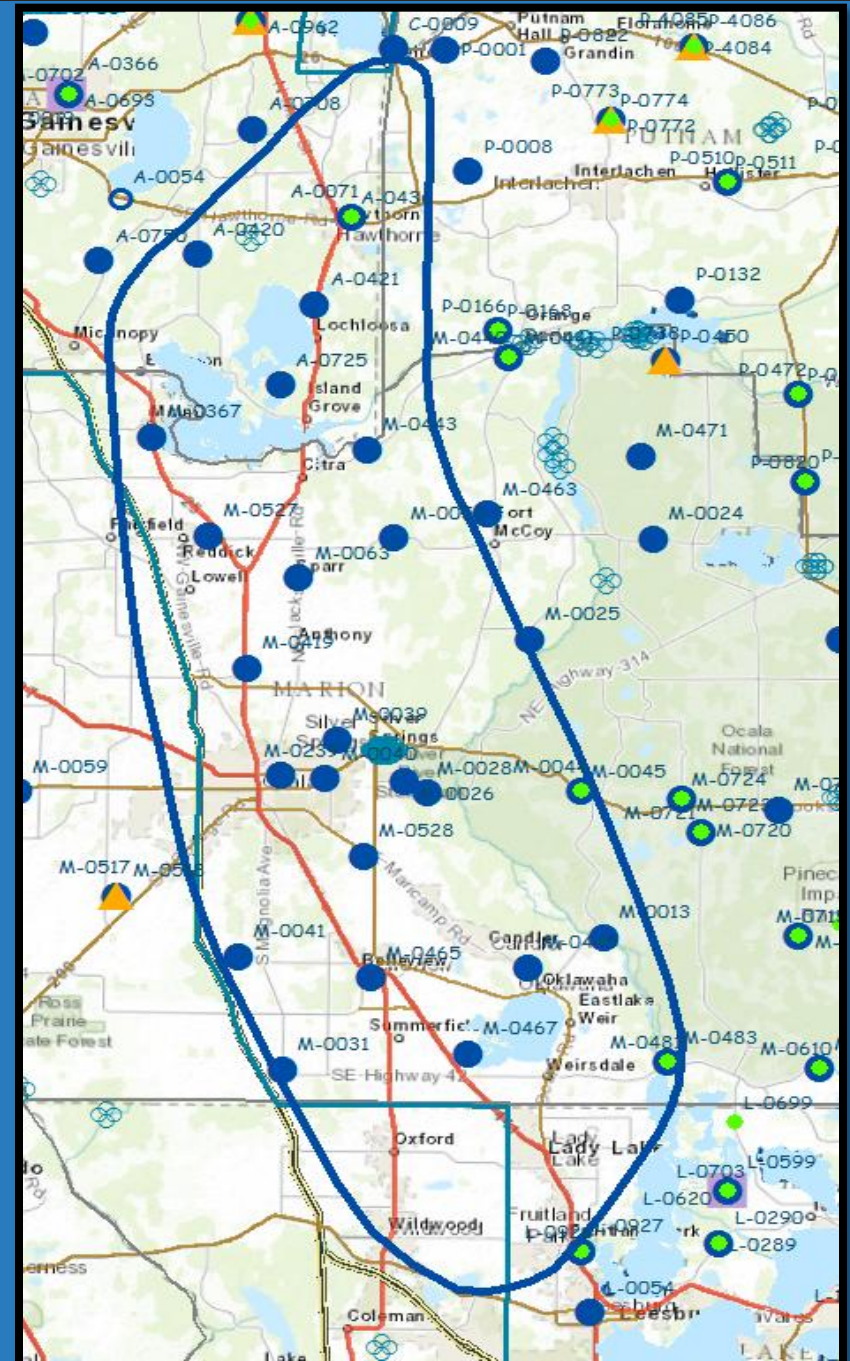
Coordination

- Requested DEP for quality sensors
- Coordination between DEP request and Springs Protection Initiative to prevent duplication of effort or equipment
- Requested water quality sensors will complement equipment used in Springs Protection Initiative



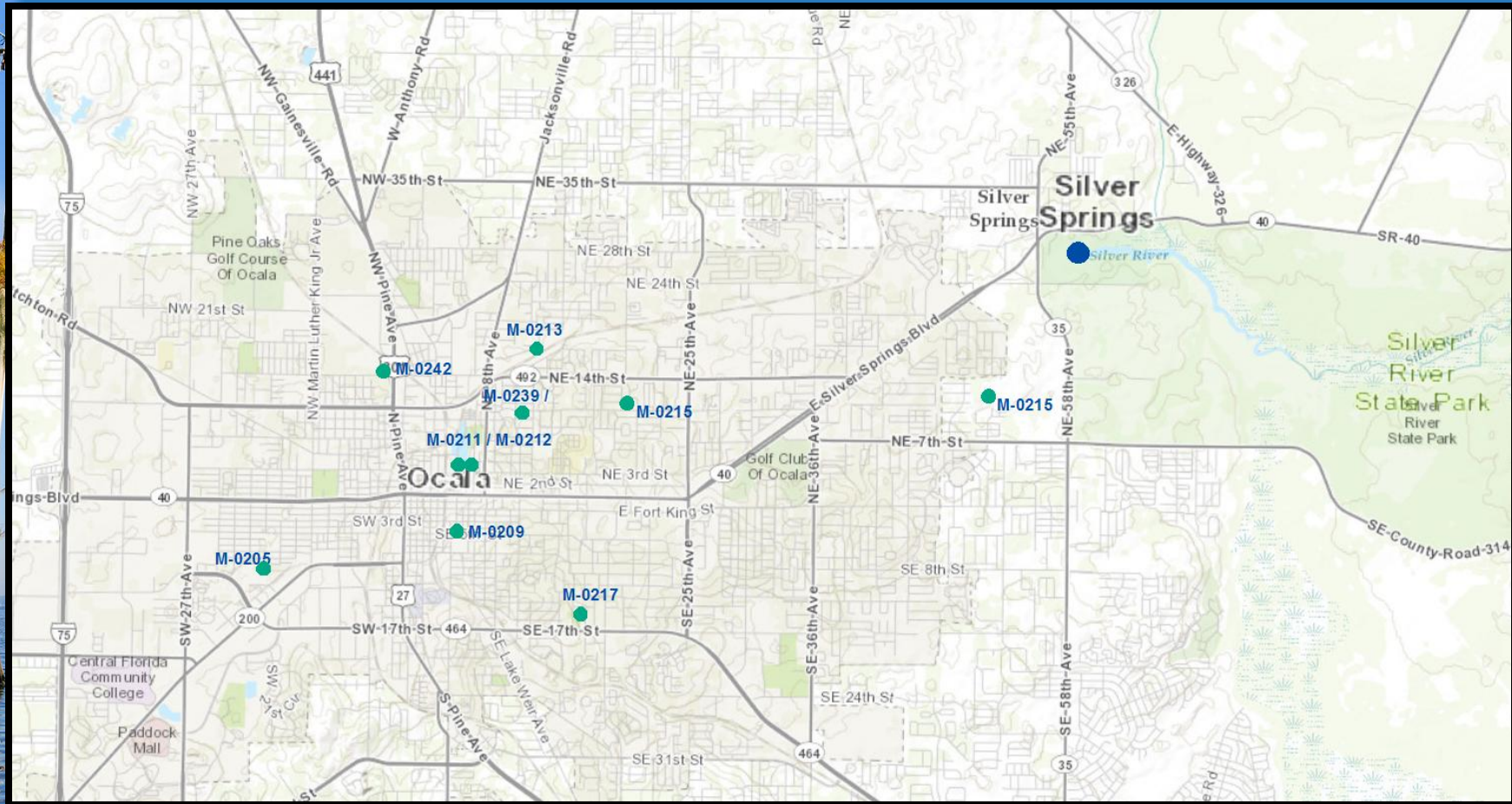
Proposed Continuous Water Quality Monitoring Locations (Springs Initiative and DEP)

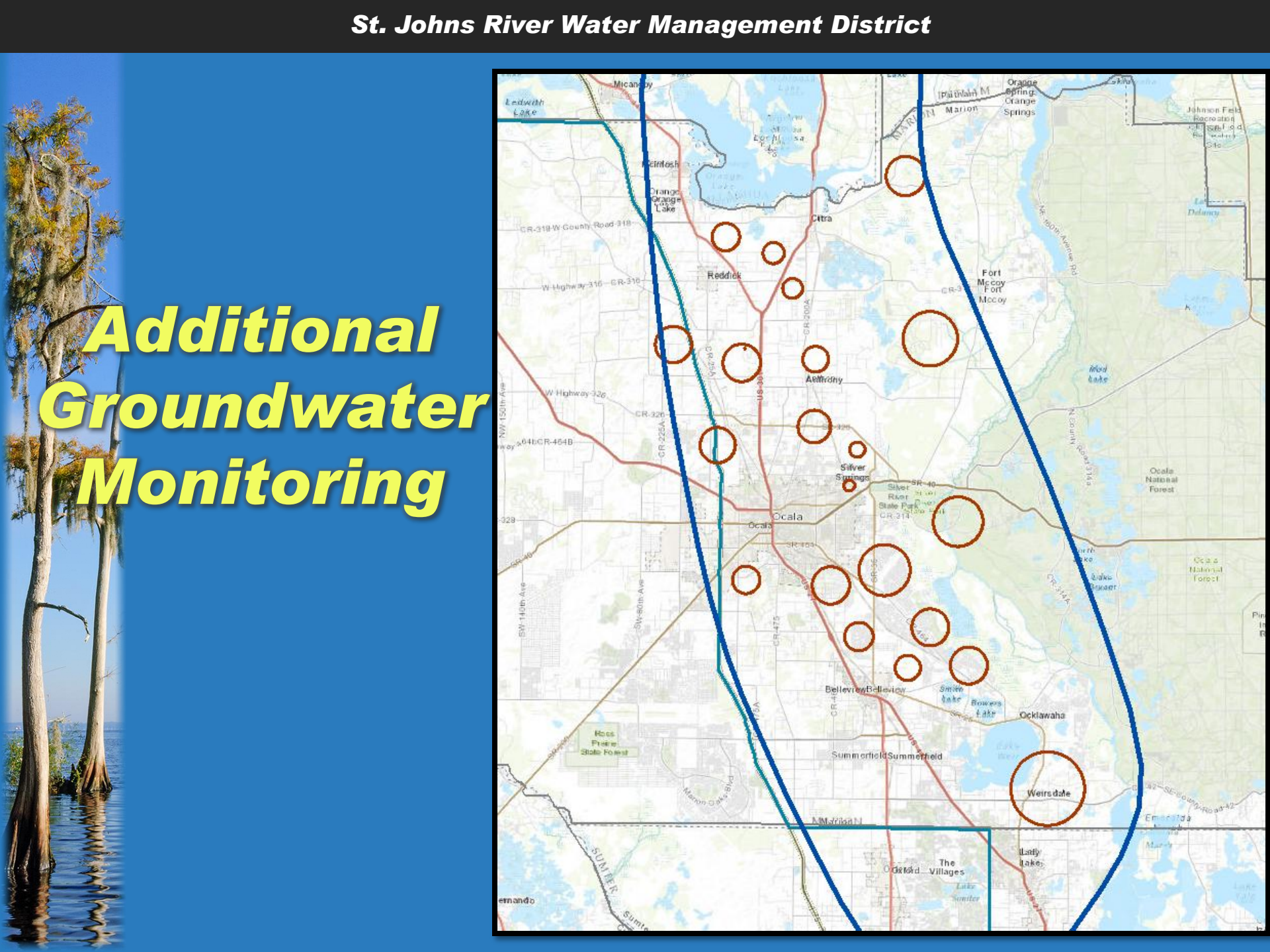




Existing Groundwater Monitoring

Ocala FDEP – VISA project
Sampled 3 times (1990, 1994, 1997)



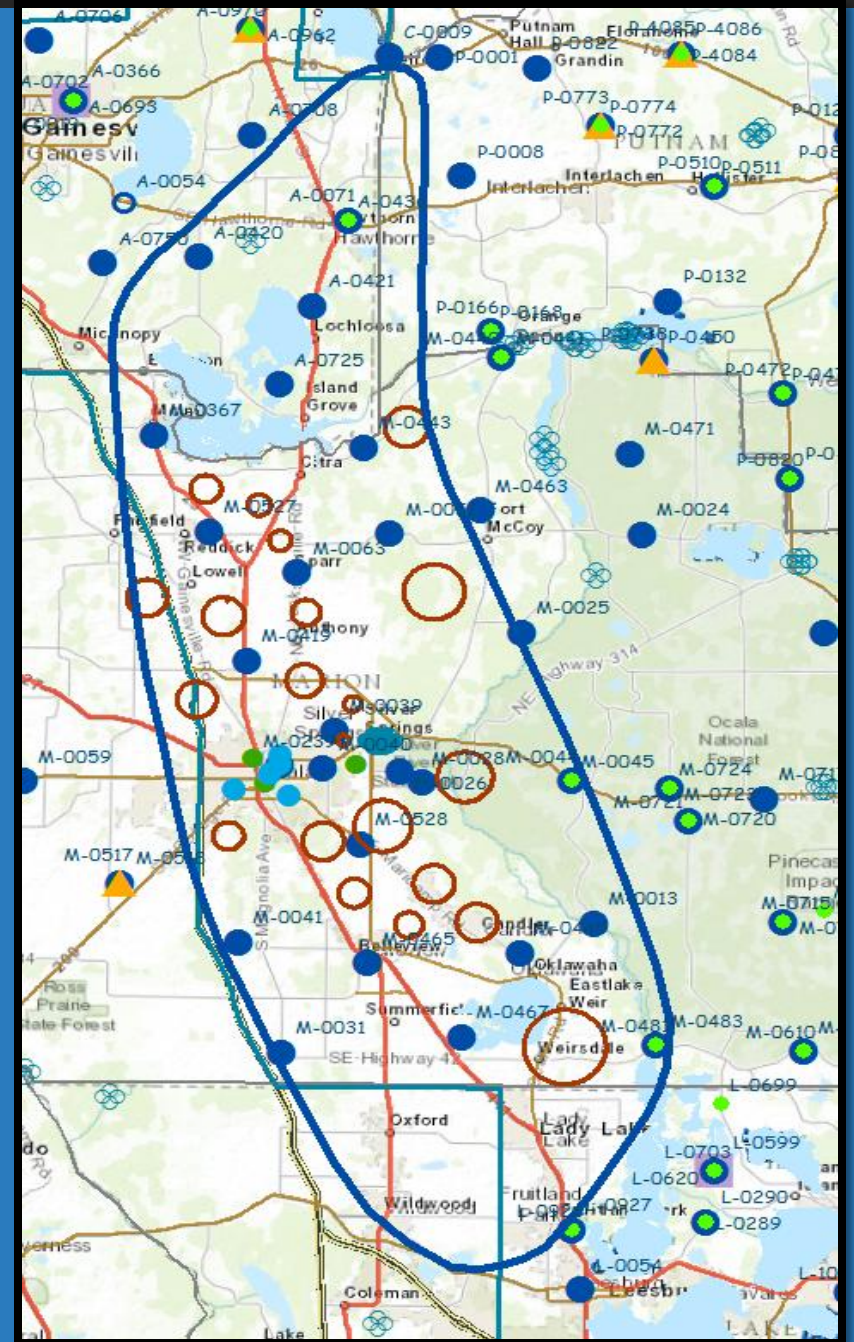
[illegible]

Coordination

- Potential new well locations identified by SJRWMD and DEP
- DEP to identify monitoring locations and obtain access
 - Use URS under contract to DEP to:
 - Identify monitoring locations
 - Verify land use
 - Obtain easement access
- Wells installed by SJRWMD



Groundwater Monitoring Including new sites



Path Forward

- Identifying monitoring sites over next few months
- Coordination with SWFWMD
- Well installations
- Water quality sampling



Questions?



