

Environmental Measures Team

Potential Next Step Options

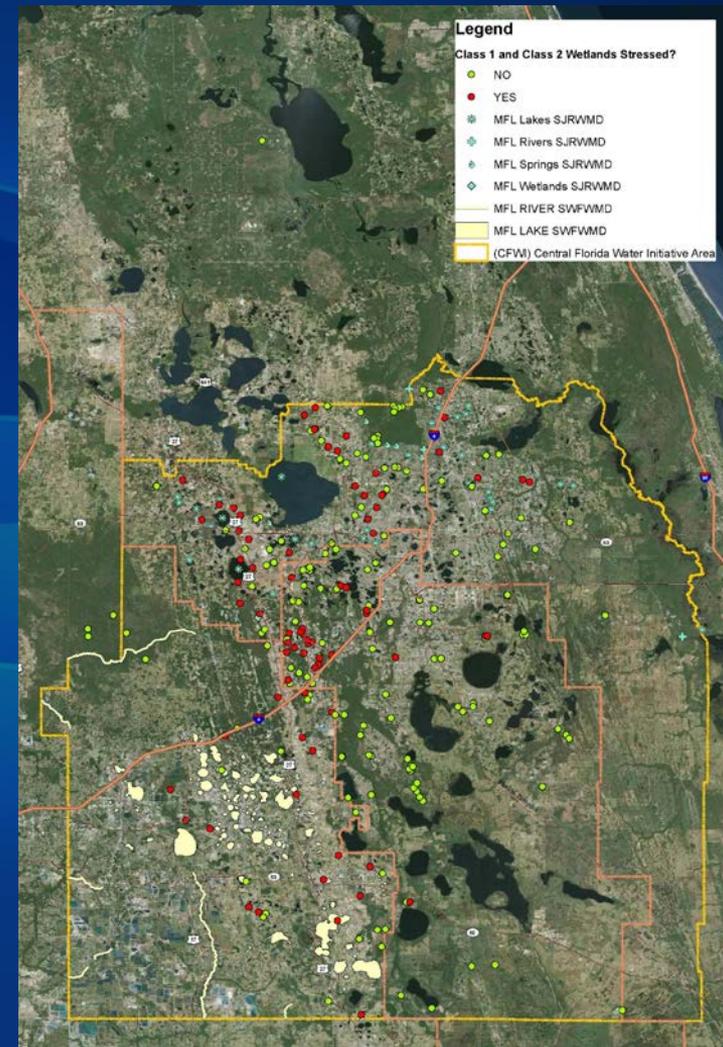
*Management Oversight Committee
April 2, 2018*



Proposed Next-Step Option 1

Statistical Analysis (Used for 2015 CFWI
RWSP) With Existing EMT Dataset:

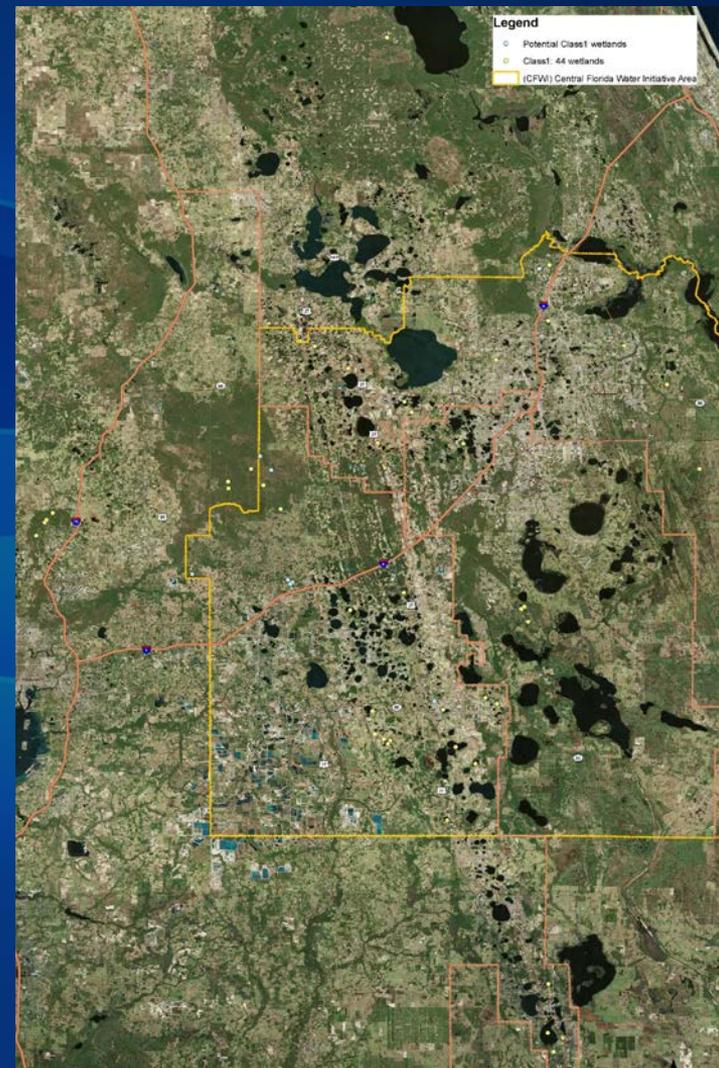
- No changes to EMT dataset
 - 44 Class 1 wetlands
 - 200 Class 2 wetlands
- Conduct analysis using original EMT dataset and updated ECFTX model runs provided by the HAT



Proposed Next-Step Option 2A

Statistical Analysis (Used for 2015 CFWI
RWSP) With Expanded EMT Dataset:

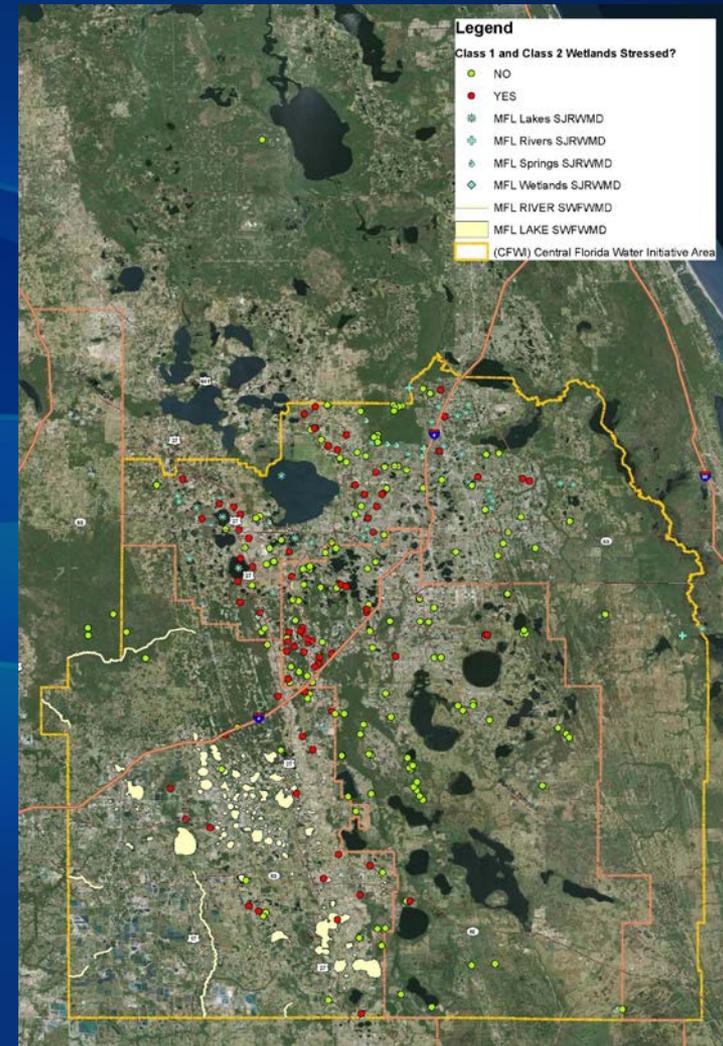
- Expanded Class 1 Wetland Dataset
 - 8 potential wetlands, isolated (1 SJR, 7 SWF)
 - Conduct stress status evaluation by experienced District wetland scientists using stream-lined data form
 - Additional level of effort: 4 field days, 4 office days



Proposed Next-Step Option 2B

Statistical Analysis Methodology (Used for 2015 CFWI RWSP) With Expanded EMT Dataset:

- Expanded Class 2 Wetland Dataset
 - Isolated wetlands identified by DMIT distributed in known data gaps
 - Conduct stress status evaluations
 - ~60 wetlands identified
 - Additional level of effort (per District): 2 weeks field work, 3 weeks office work



Proposed Next-Step Option 3

GIS-Based Analysis Using a Kinser-Minno Type Method:

- Identifies wetland areas susceptible to adverse impacts due to reduced water levels in the surficial aquifer and the relative likelihood of harm in response to projected water level declines
- Uses GIS layers as screening tools
- Spatially identifies areas with low, moderate, or high potential for adverse change to wetland function due to surficial aquifer water level declines



Proposed Next-Step Option 3

GIS-Based Analysis Using a Kinser-Minno Type Method:

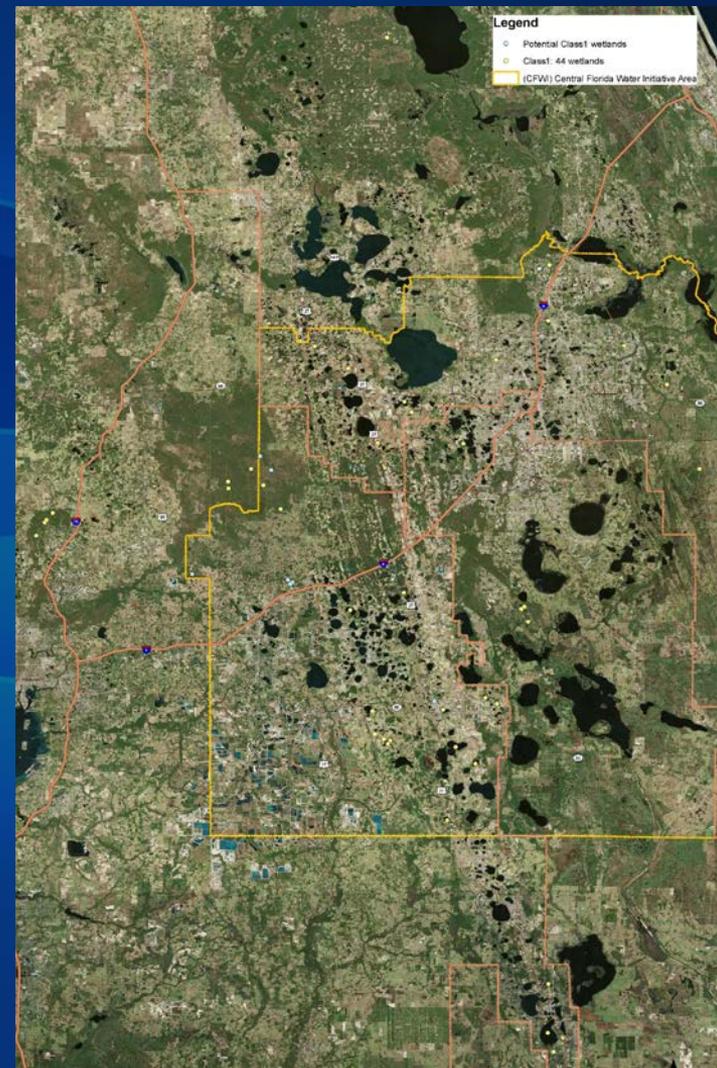
- Appropriate list of filters (e.g., ridge wetlands, plains wetlands, isolated, connected) specific to CFWI area wetlands, as well a set of appropriate values of wetland stress, would need to be developed
- Majority of analysis can be conducted by utilizing GIS layers
- Additional level of effort: 1 week of field work to verify existing wetland characteristics; several weeks of office work for GIS layers analysis, once the filters and layers are established
- Staff to do the GIS work would have to be identified



Proposed Next-Step Option 4

Statistical Analysis (Used for 2015 CFWI RWSP)
With Updated and Expanded Class 1 Wetlands
Dataset:

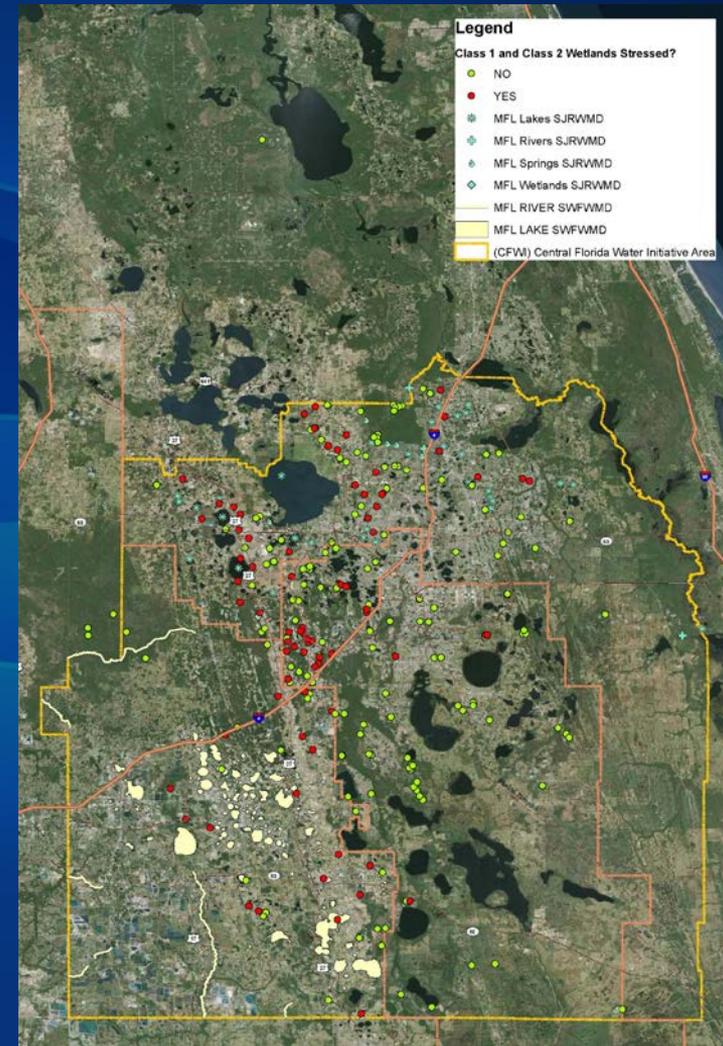
- Revisit 44 Class 1 wetlands and conduct stress status evaluation
- Conduct stress status evaluations of 8 additional Class 1 wetlands
- Additional level of effort: 12 field days, 9 office days



Proposed Next-Step Option 5

Statistical Analysis Methodology (Used for 2015 CFWI RWSP) With Updated Class 2 Wetland Dataset:

- Revisit some or all 200 Class 2 wetlands and conduct stress status evaluation
- Additional level of effort: many weeks of field and office work



Recommendation

- Option 4
- District EMT staff together one day, then work independently
- Split work effort approximately equally
- Include wetland mapping in RWSP
- Identify and document recommendation for future work.

