

Model Consistency

Central Florida Coordination Area
Public Workshop
October 27, 2010

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Southwest Florida Water Management District*

Model Consistency

Purpose:

- To understand how the models perform in the overlap area
 - Conceptual framework
 - Model response
 - Sources of water to wells
- In conjunction with other tools and data analysis, to assess use of the models to determine effects of current and projected levels of groundwater withdrawals





CFCA Work Plan

Phased Assessment Approach:

- Determine groundwater availability
 - *First step – determine potential for additional groundwater availability beyond current withdrawal amounts and distributions*
- Solution development

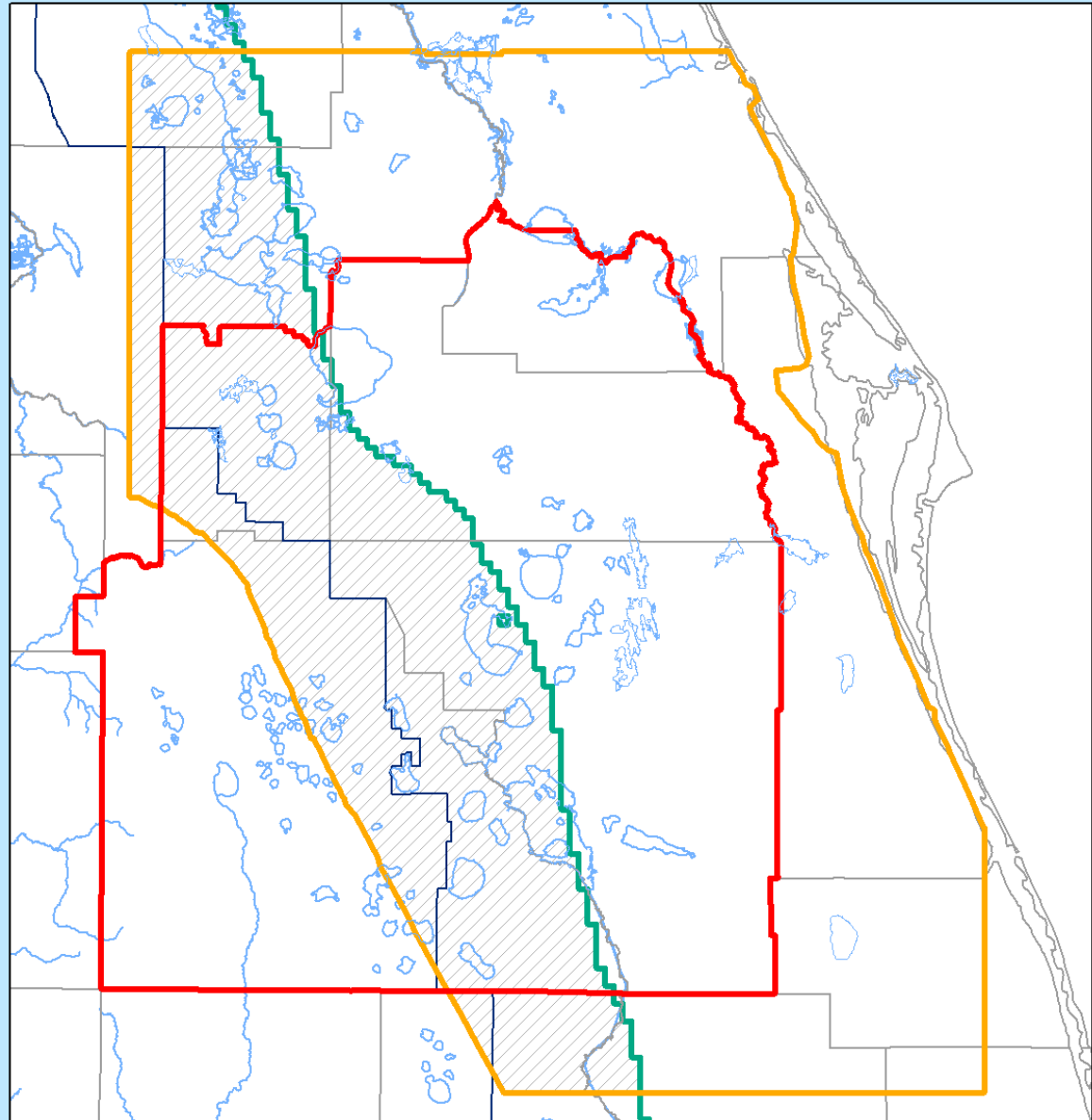
CENTRAL FLORIDA COORDINATION AREA

DWRM and ECFT Area of Overlap

-  CFCA Boundary
-  ECFT Active Area
-  DWRM Active Area
-  ModelOverlap










0 5 10 20
Miles



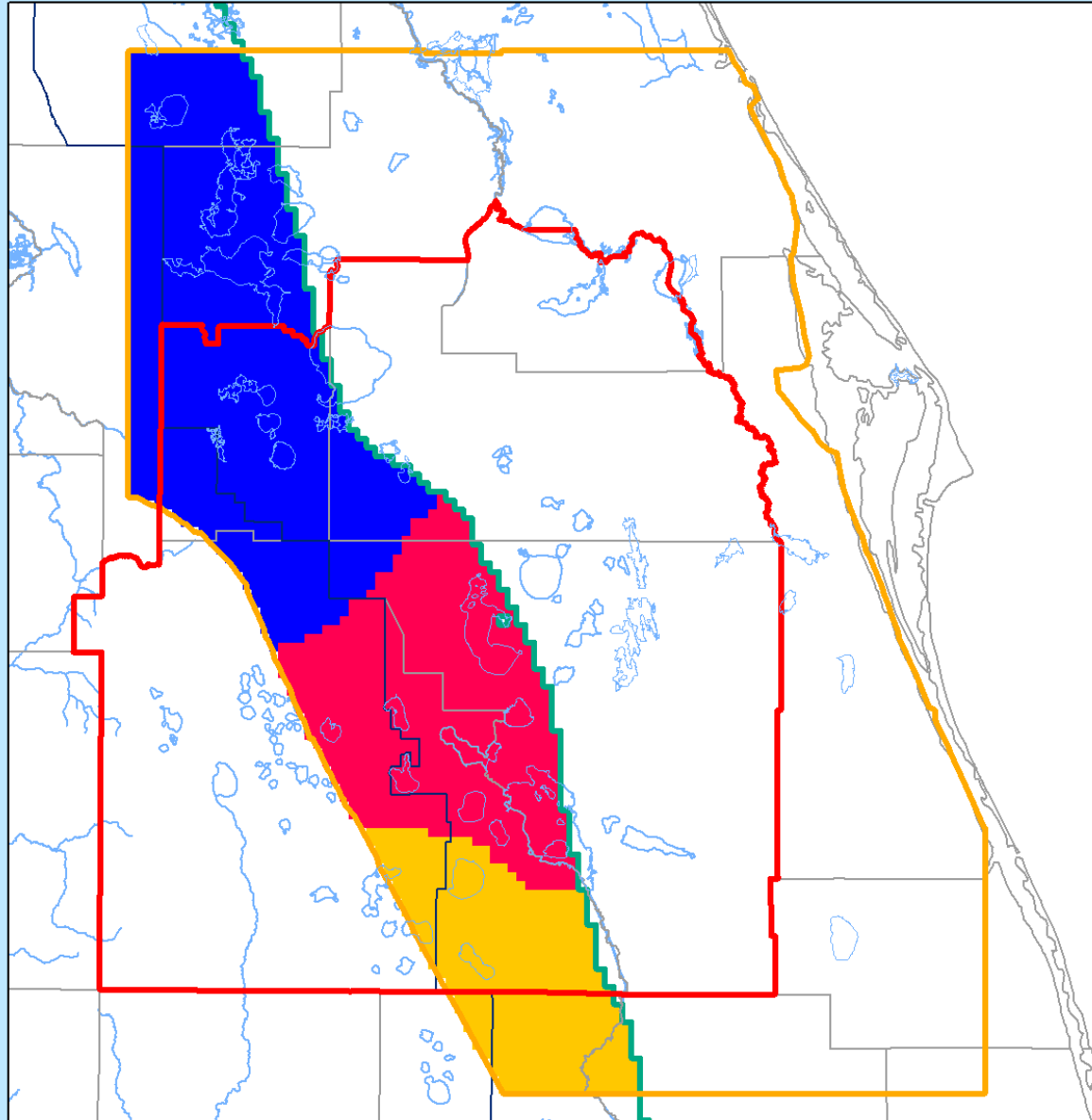
CENTRAL FLORIDA COORDINATION AREA

DWRM and ECFT Area of Overlap

-  CFCA Boundary
-  ECFT Active Area
-  DWRM Active Area
-  North Zone
-  Central Zone
-  South Zone
-  ModelOverlap



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Miles



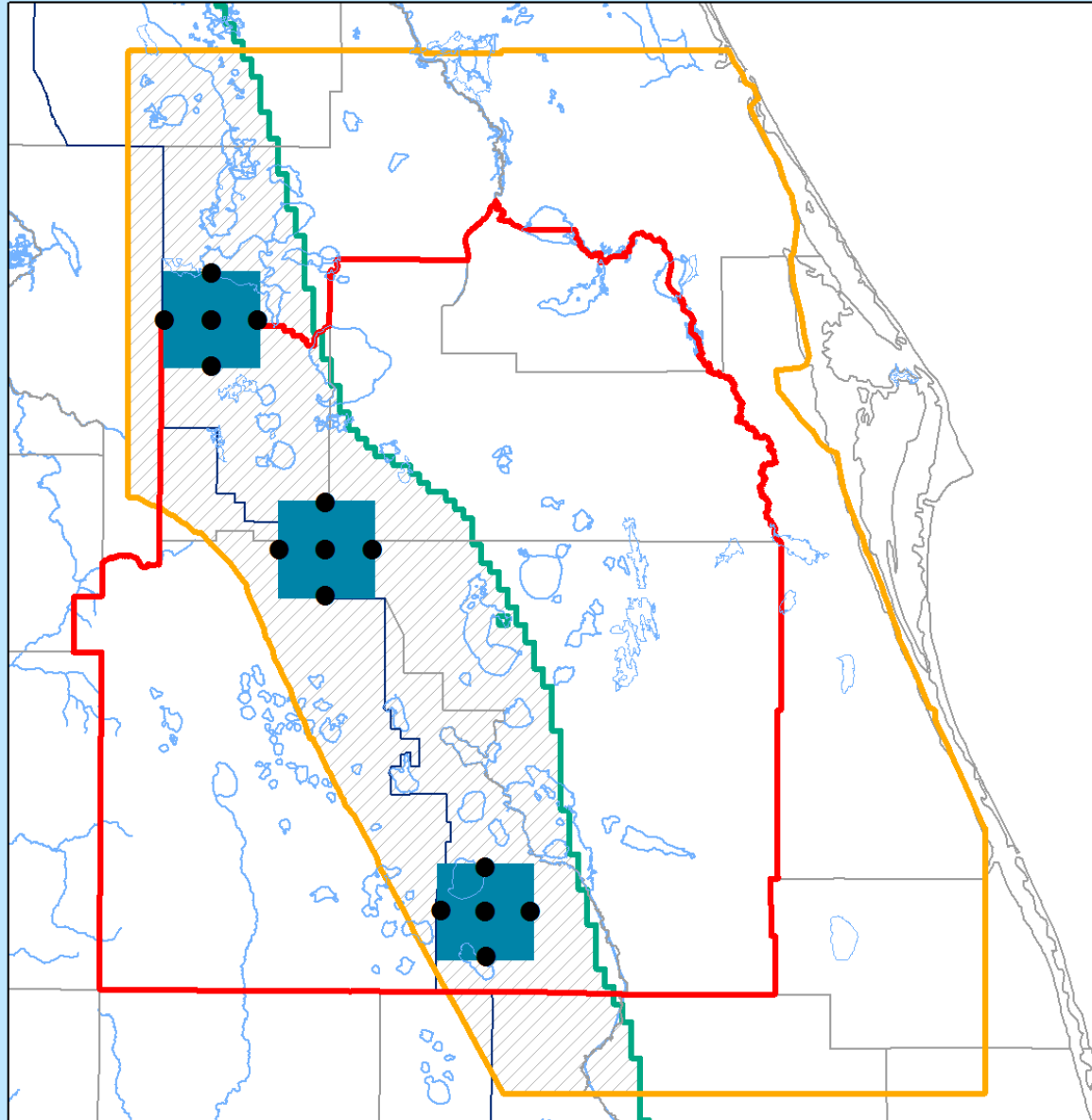
CENTRAL FLORIDA COORDINATION AREA

DWRM and ECFT Area of Overlap

- Test Site
- Test Site Areas
- CFCFA Boundary
- ECFT Active Area
- DWRM Active Area
- ▨ ModelOverlap









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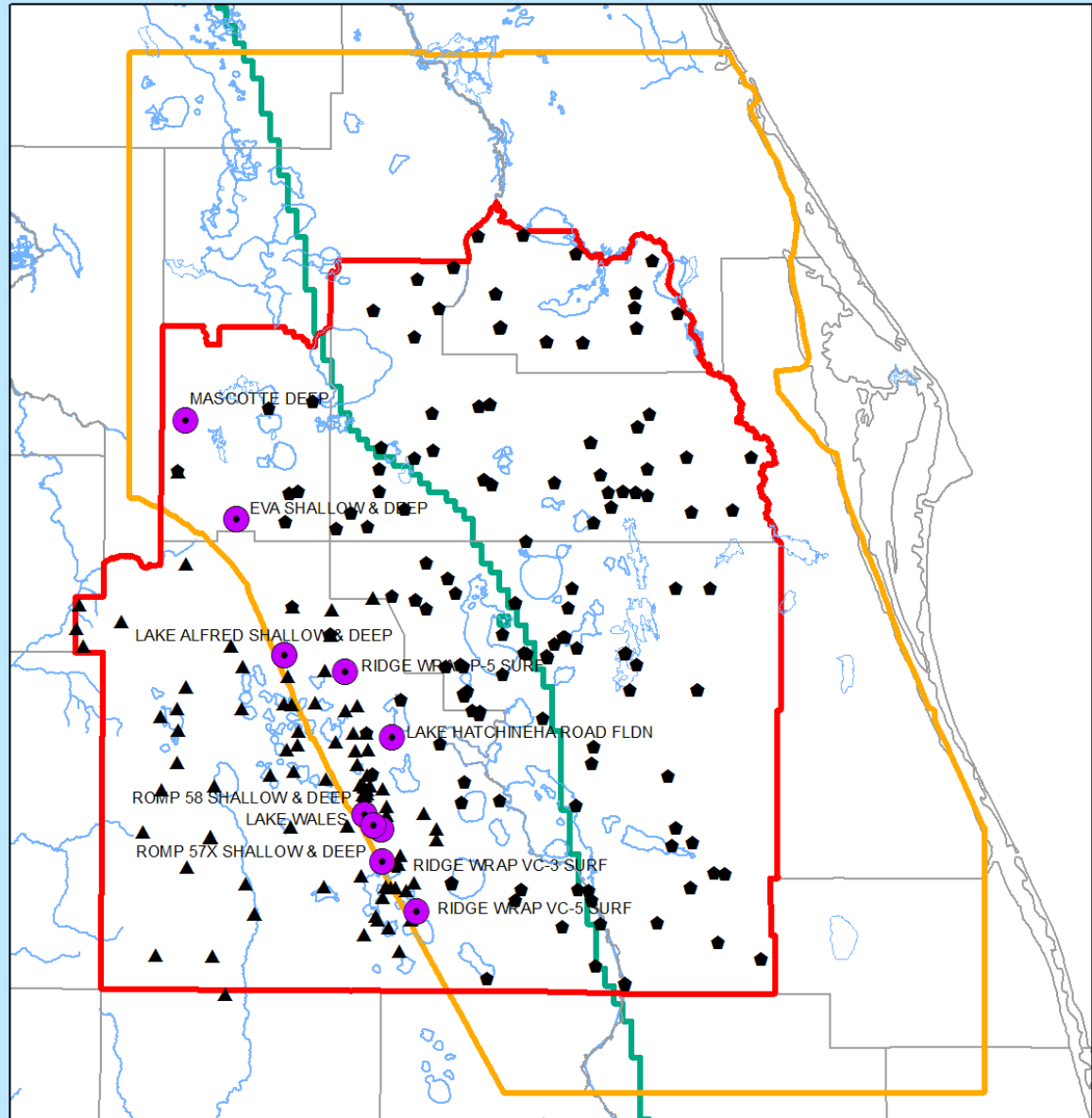
CENTRAL FLORIDA COORDINATION AREA

DWRM and ECFT Area of Overlap

-  Overlapping Calib Pts
-  ECFT Calib Pts
-  DWRM Calib Pts
-  CFCA Boundary
-  ECFT Active Area
-  DWRM Active Area



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Miles



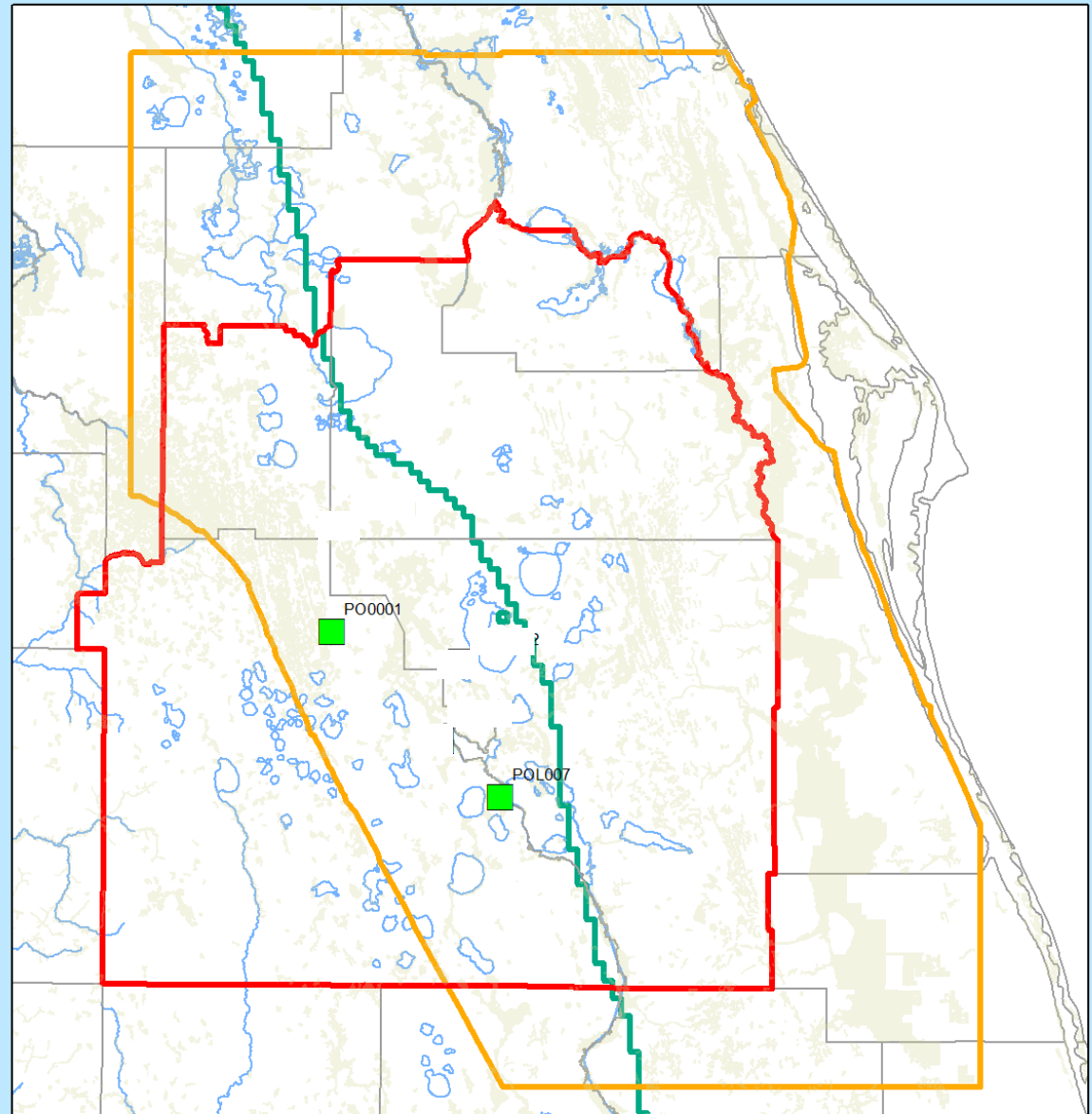
CENTRAL FLORIDA COORDINATION AREA

DWRM and ECFT

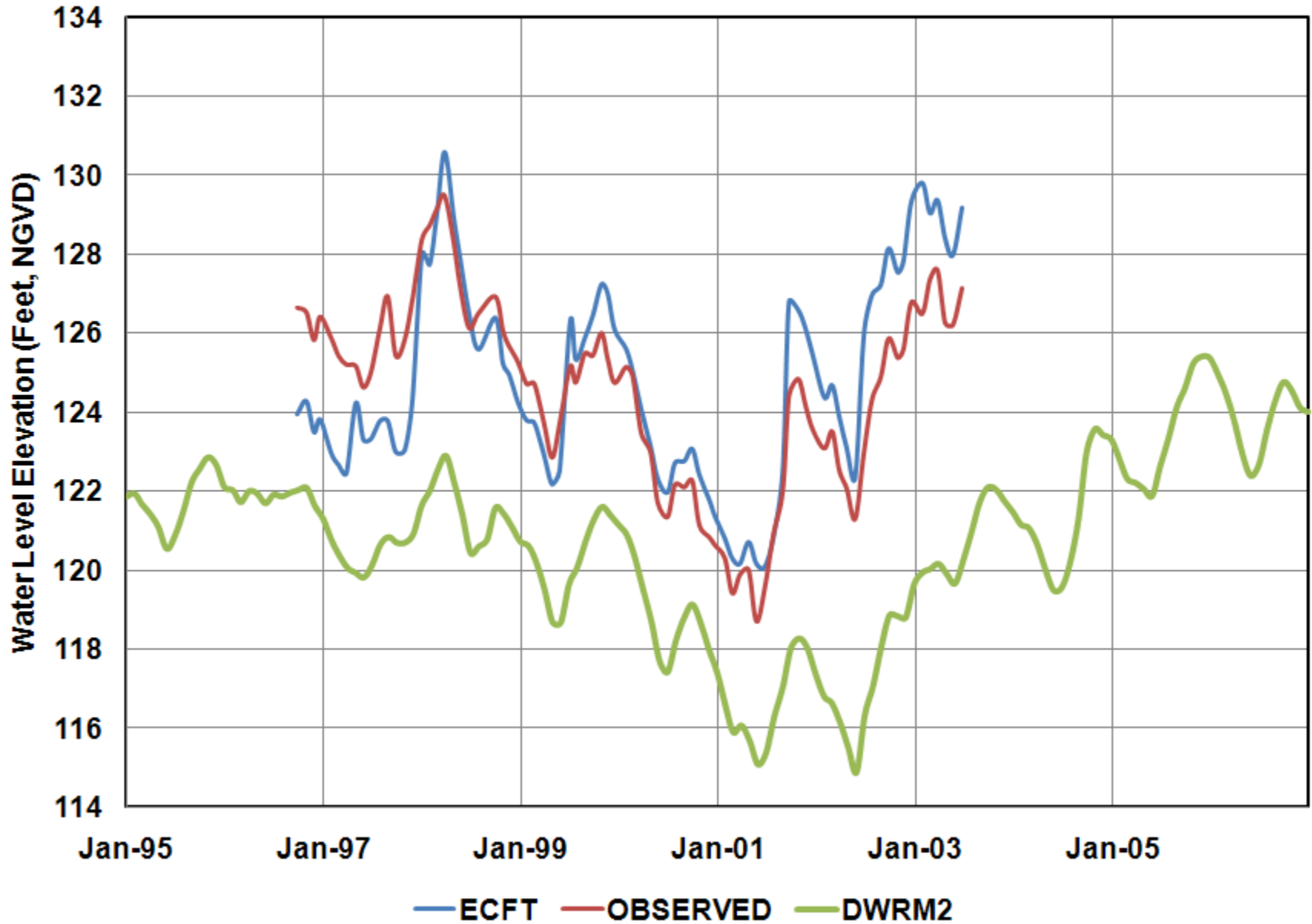
-  Well Sites
-  CFCA Boundary
-  ECFT Active Area
-  DWRM Active Area



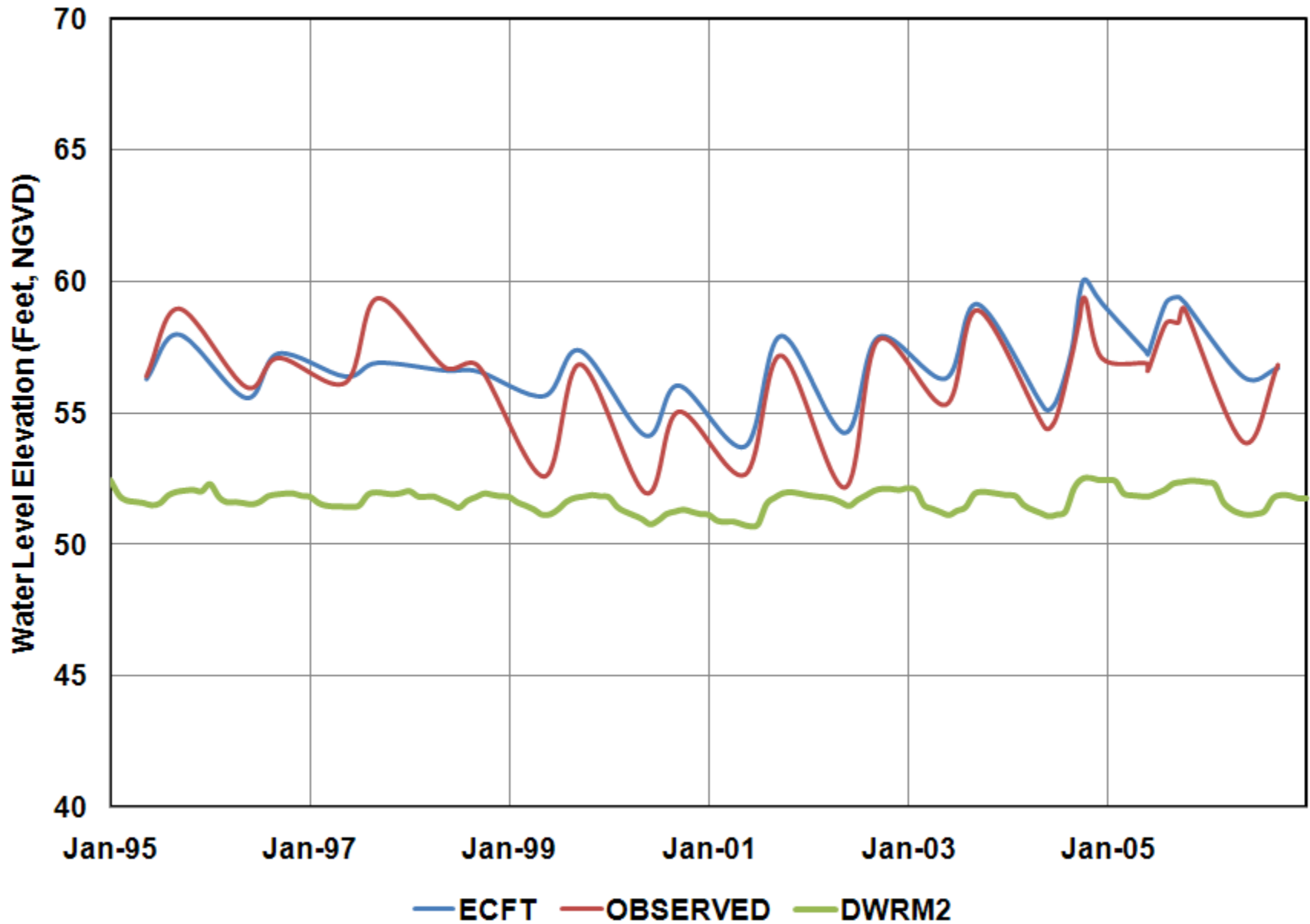
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CFCA Work Plan

Modeling Approach:

- Existing models can be used in the process to determine existing levels of impact
 - History of use for each District
 - Credible past performance
 - Tools were already in development – quick response
- Solution development
 - Depends on assessment of existing impacts