

Status of CFWI Reference Condition

December 2, 2011

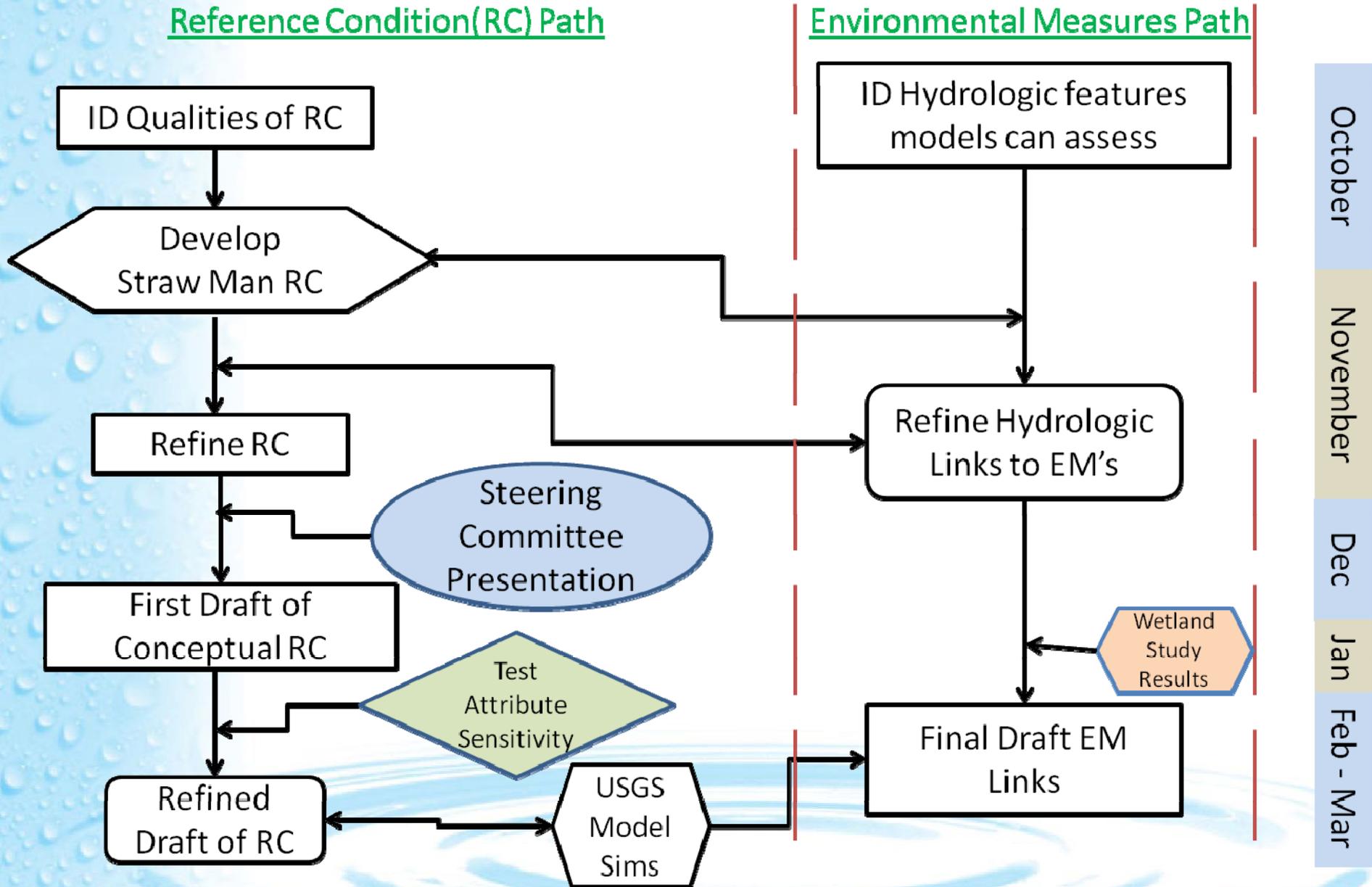
Central Florida Water Initiative Steering Committee

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SFWMD*

What is a Reference Condition?

- A reference from which to measure changes in hydrologic and environmental conditions.
- A tool needed for analysis and not a statement defining acceptable environmental condition

Reference Condition Formulation



Activities Since Last Meeting

- Identified the preferred qualities
- Developed a straw man
- Met with HAT, MFLT and EMT teams to discuss and receive input
- Defined the reference condition attributes for model testing

Qualities of a Preferred CFWI Reference Condition

- Hydrologic conditions represent a span of time – *generally a longer time is better.*
- Well documented links between water levels and changes in environmental conditions – *suggests a more recent period.*
- Fixed (unchanging) features defining conditions where possible.

Draft Reference Condition Attributes

- Duration of time series for simulation:
 - Calibration period of USGS model – 1995 thru 2006
- Unchanged features of the RC will include:
 - Land use conditions – 2005
 - Water use condition: - calendar year of 2005.
 - Applied recharge and reuse conditions: - calendar year of 2005.
- Changing RC attributes:
 - Climatic conditions: - 1995 – 2006.
 - Managed drainage features: - the period of operations consistent from 1995 – 2005.

Next Steps in RC Refinement

- Complete a narrative description **(Dec 2011)**
- Continue (RC) refinements with the MFLT and EMT and begin discussion on hydrologic linkage(s) between model and environmental measures. **(Dec – Jan 2012)**
- Test the attributes using the USGS model. **(Jan 2012 – mid-March)**
- Finalize the (RC) and environmental measure linkages. **(Mar – Apr 2012)**