

# Thoughts on Next Calibration

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# Overview



Where are we now?

Why look at recalibration?

Should we recalibrate?



What needs to be done?



## Where Are We Now?

- Last calibration completed by Interagency Ecological Program (IEP) Work Team in 2000
- Increased number of groups outside DWR applying DSM2
- DSM2 User's Group
- Improvements to DSM2 model (DSM2v7)



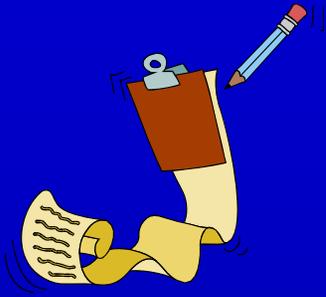
# Why Look at Recalibration?

- Its been six years since the last calibration
- More bathymetry, flow, and quality data collected
- Potential changes in modeling Delta Island Consumptive Use
- Expanded capabilities of DSM2 to represent hydraulic structures
- New applications of DSM2
  - Learning more about how the Delta works
  - Expanding the use of DSM2



# Should We Recalibrate?

- Is there enough of the newer observed data to justify a new calibration?
- Can the calibration be improved given the limitations of the one dimensional model?
- Would resources be better used by adding to the currently calibrated model?



# What Needs to be Done?

- Assign a project lead – Jamie Anderson
- Develop a team to evaluate current calibration/new data
- Assess need for re-calibration
- Calibrate and validate (if needed)

# Preliminary Time Line Without Full Calibration

**Evaluate Current  
Calibration/New Data**



**Dec, 2006**

**Mar, 2007**

**Jun, 2007**

**Enhance Current  
Calibration/Validation**



**Sep, 2007**

**Dec, 2007**

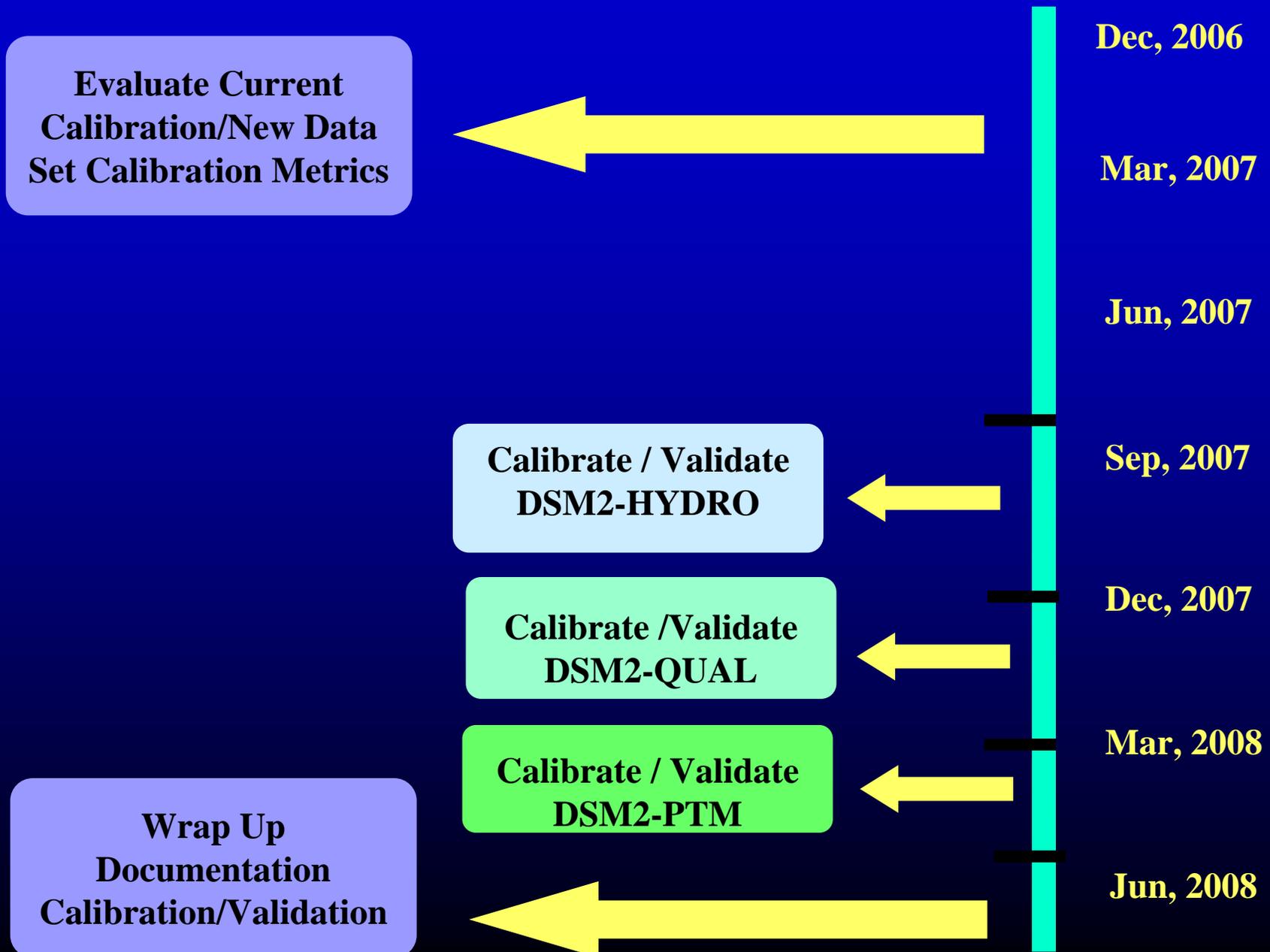
**Wrap Up  
Documentation of  
Enhancements**



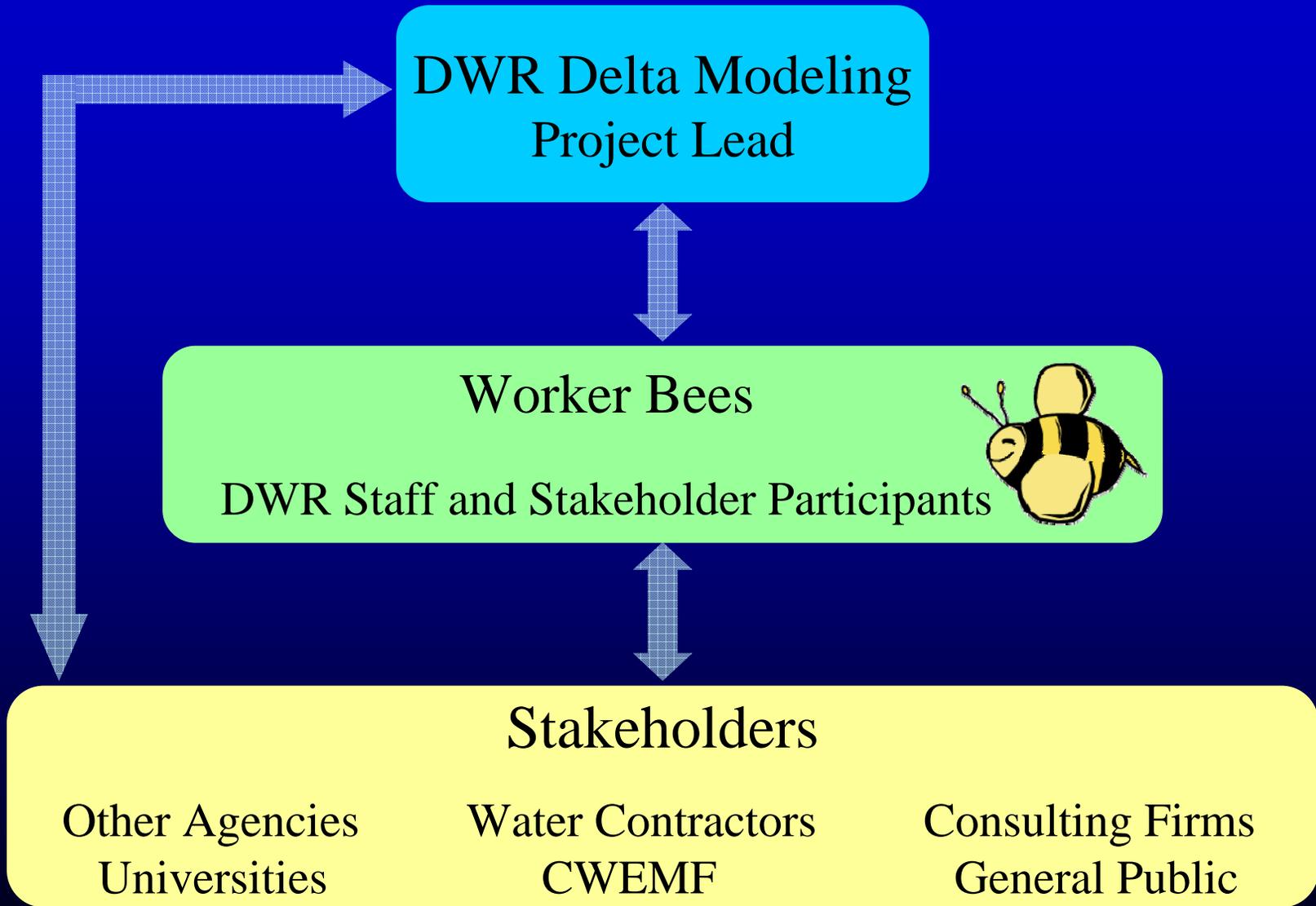
**Mar, 2008**

**Jun, 2008**

# Preliminary Ambitious Calibration Time Line



# DSM2 Calibration Team



# Potential Work Team Topics

HYDRO

QUAL

PTM

Is recalibration  
needed at this time?

Field Data  
Availability/Quality

Calibration/Validation  
Metrics

Calibration/Validation  
Parameters

Calibration/Validation  
Time Periods

Documentation  
Reports, Journal Articles

Website

# Contacts

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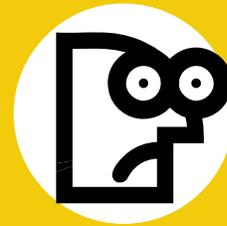
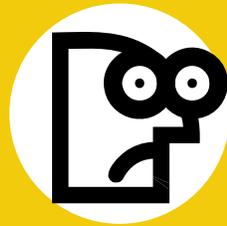
DSM2 User Group Bulletin Board

<http://modeling.water.ca.gov/forum/index.php>

Delta Modeling Section

<http://baydeltaoffice.water.ca.gov/modeling/deltamodeling/>

# Questions?



**It's QUESTION TIME!!**