

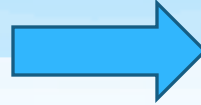
# Real-Time Management Framework

Discussion of Phased Approach  
Lower San Joaquin River Committee  
June 13, 2013

# Summary of Phased Approach

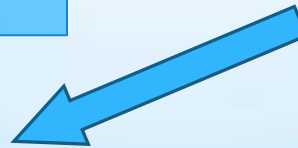
## Phase 1:

- Feasibility and Scientific review
- Basin Wide Decision Support tool (WARMF)
- Grassland Pilot Study
- Evaluation of sensor network; add most important sensors



## Phase 2:

- Complete evaluation of hardware needs
- Stakeholders Gain Understanding of salinity discharges
- Implementation of data transfer/management protocols



## Phase 3:

- Data transfer/management protocol refinements
- Basin wide RTMP management structure



## Phase 4:

- RTMP fully operational
- Adaptive management

# Phase 1

## Background/Feasibility/Scientific Review

- \* WARMF tool development
- \* Scientific Review
  - \* Westside Assessment
  - \* Pilot Project
  - \* RTMP Implementation in Other Watersheds
- \* Identify Best Feasible Management Measures
- \* More than 15 projects completed within the Basin



# Phase 2

## Implementation of Hardware/Software

- \* Stakeholders
  - \* Gain an Understanding of their own discharge
- \* WARMF/Visualization Tool
- \* Data Management System



# Phase 3

## Basin-wide Assimilation and Management

- \* Coordinate Salinity Management Basin-wide
- \* Determine Data management responsibilities
  - \* River Forecast Model responsibilities
- \* Automate Data Processing and Management of the RTMP System

# Phase 4

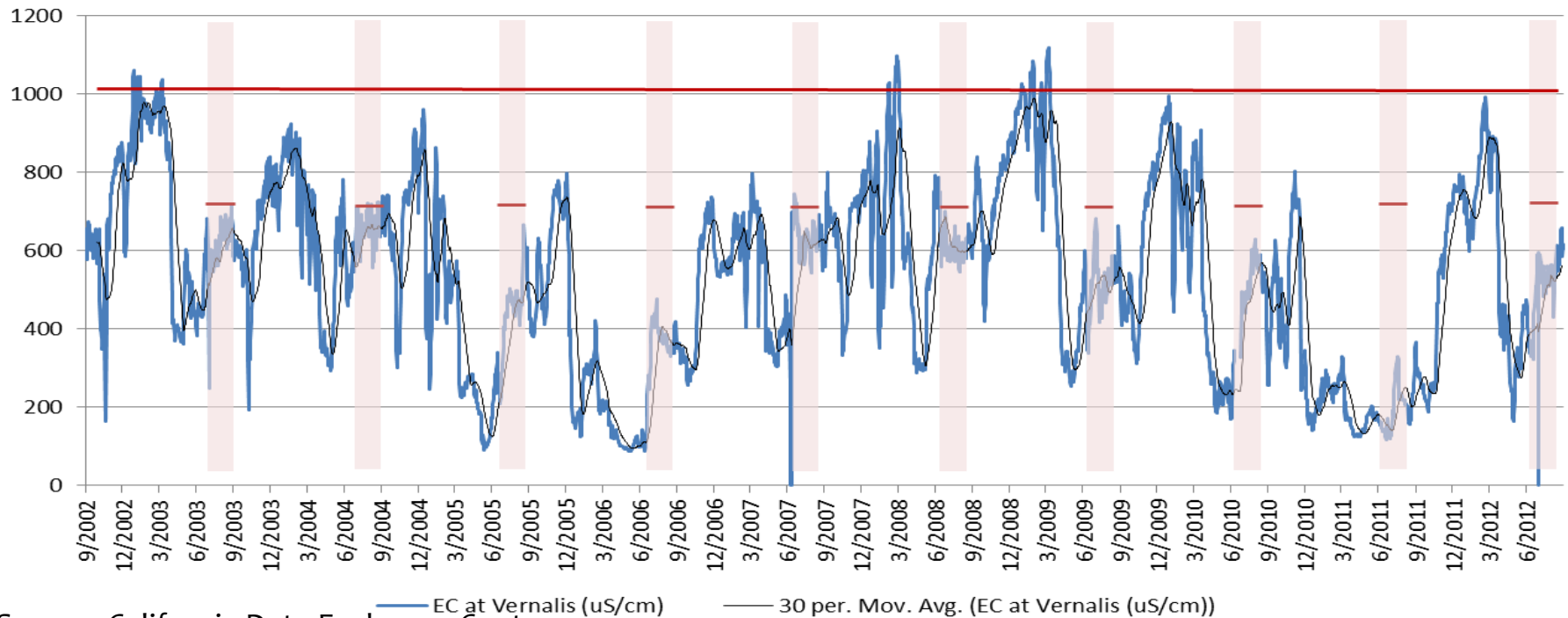
## Fully Operational Throughout the Basin

- \* Fully Operational RTMP for salinity management
  - \* Responsibilities for Operation, Management, Monitoring and Reporting
- \* Adaptive Management

# Conclusion

DRAFT

EC at Vernalis (uS/cm)



Source: California Data Exchange Center

- \* Phased approach is a way to reasonably manage implementation of the San Joaquin River Total Maximum Daily Load (TMDL)