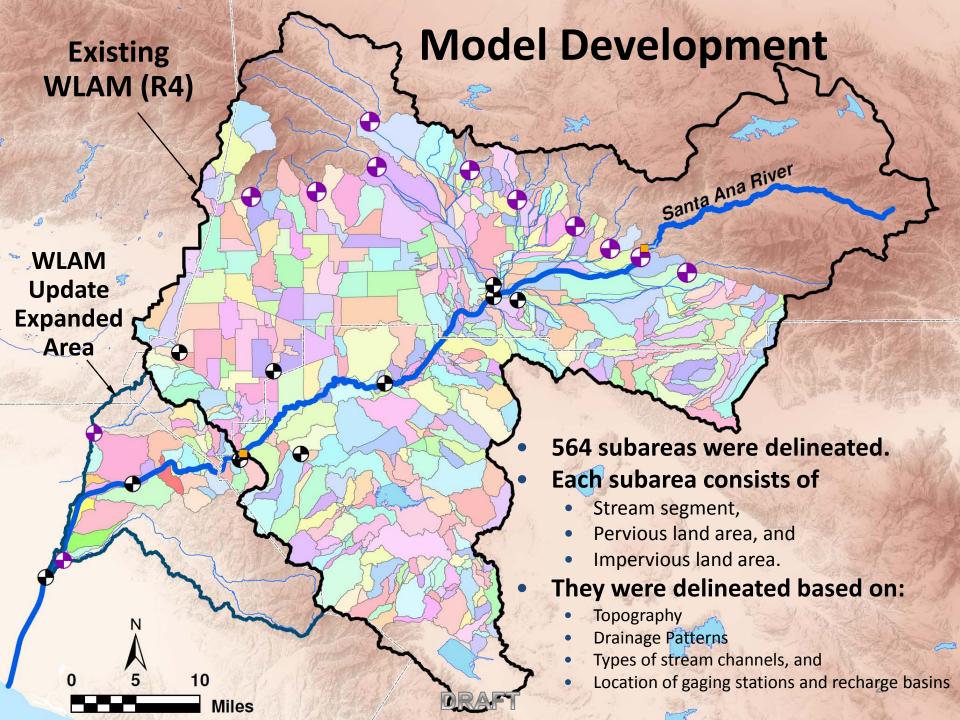
# Santa Ana River Wasteload Allocation Model Update

#### **BASIN MONITORING PROGRAM TASK FORCE**

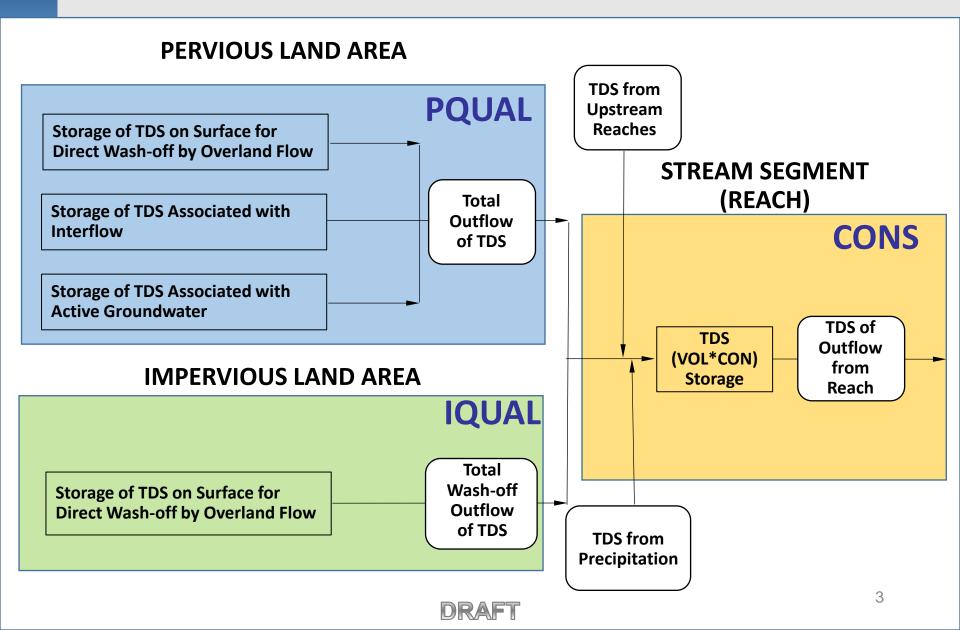
August 16, 2017



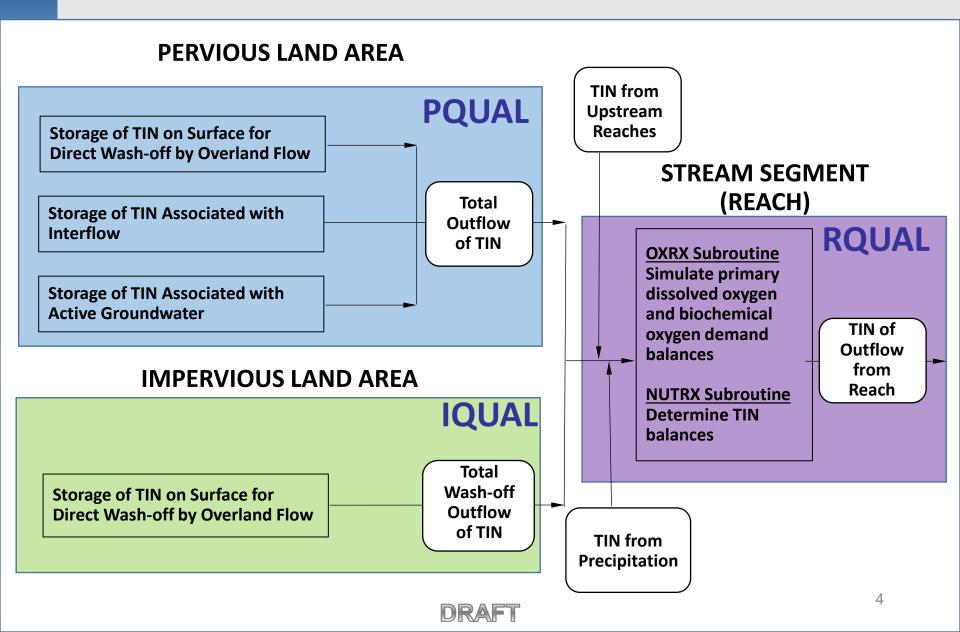




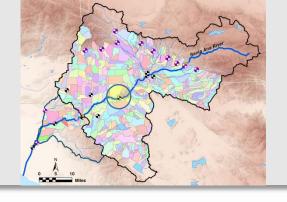
## **Schematic Diagram of HSPF TDS Simulation**



## **Schematic Diagram of HSPF TIN Simulation**

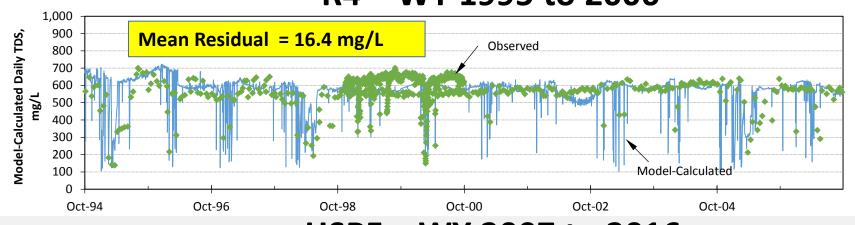


# Daily TDS at Santa Ana River at MWD Crossing

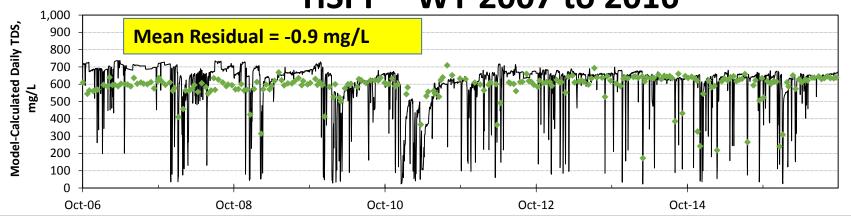




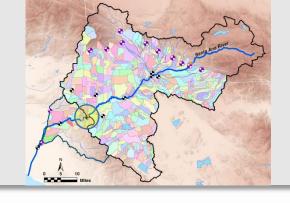




### HSPF - WY 2007 to 2016

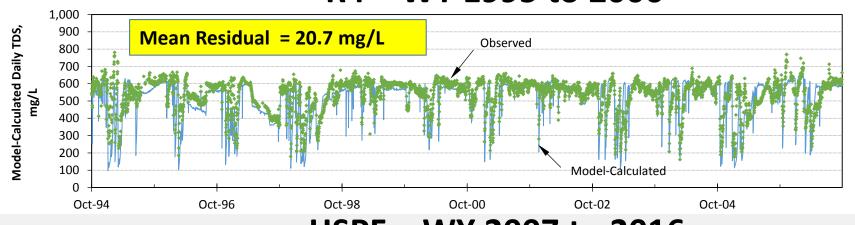


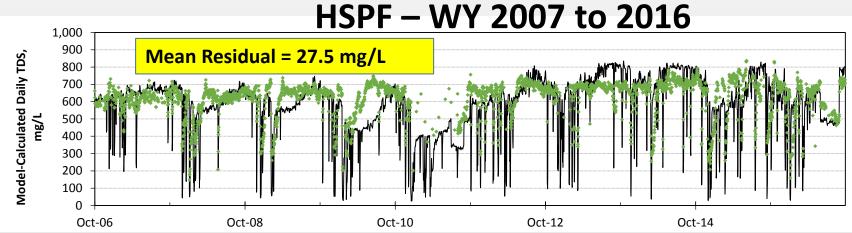
# Daily TDS at Santa Ana River below Prado



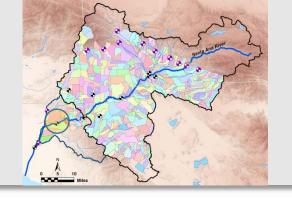


#### R4 - WY 1995 to 2006



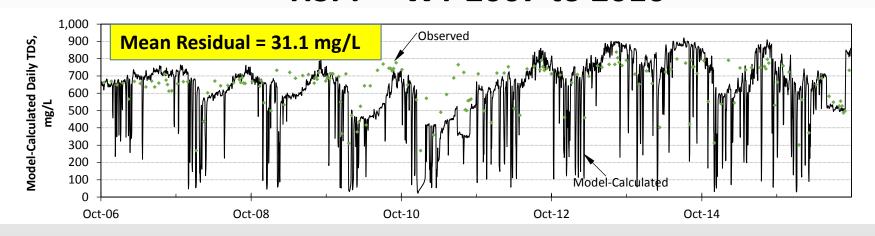


# Daily TDS at Santa Ana River at Imperial HWY near Anaheim

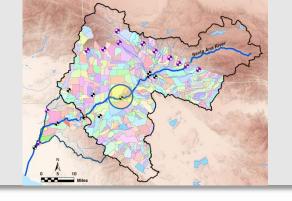




#### HSPF – WY 2007 to 2016

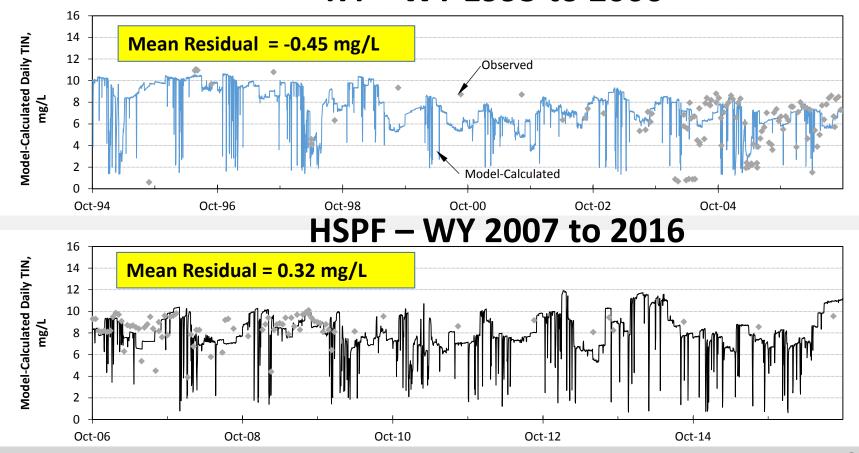


# Daily TIN at Santa Ana River at MWD Crossing





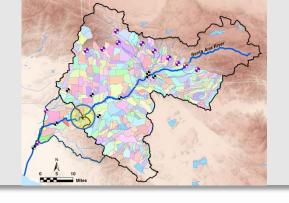
#### R4 - WY 1995 to 2006



## Daily TIN at Santa Ana River below Prado

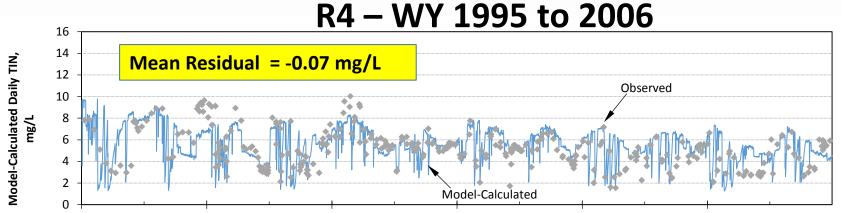
Oct-96

Oct-94



Oct-04

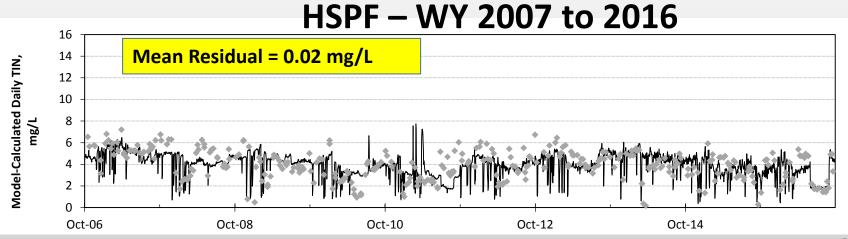




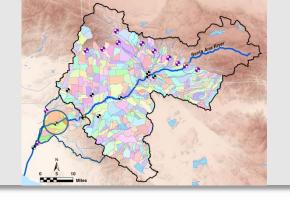
Oct-00

Oct-02

Oct-98

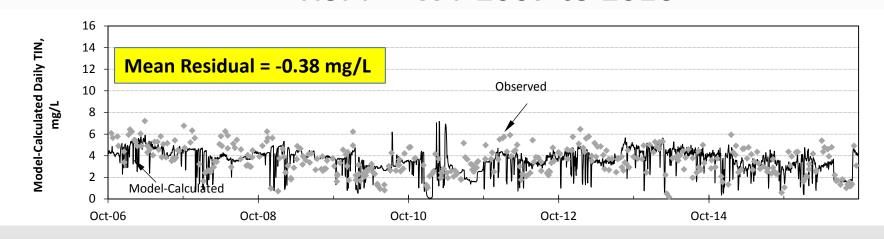


# Daily TIN at Santa Ana River at Imperial HWY near Anaheim





#### HSPF – WY 2007 to 2016



## **Next Steps**



- Complete TDS and TIN Recalibration of WLAM
- Work with SAWPA staff, Basin Monitoring Program Task Force Representatives, and the Regional Board staff
  - To specify range of portable discharge conditions including:
    - Maximum expected discharge of treated water under current and 2040 conditions
    - Maximum expected re-use of recycled water under current and 2040 conditions
    - Effluent limits for TIN and TDS in the most recent NPDES permit
  - To identify percolation ponds and retention basins where treated wastewater is regularly recharged to groundwater and where such discharge are presently governed by permits issued by the Regional Board



