

## Potential Maps/Dashboards of interest to the SWC Water Operations Committee

- (1) **Current Operations Summary**, recreate cover page including:
  - a. Storage: Trinity (CLE), Shasta (SHA), Oroville (ORO), Folsom (FOL), Del Valle (DLV), San Luis (inc. Total (SNL), SWP (LUS), and CVP (SLF)), New Melones (NML), Southern Reservoirs (inc. Pyramid (PYM), Castaic (CAS), Silverwood (SLW), and Perris (PRR))
  - b. Releases: Keswick, Oroville (ORO), Nimbus (NAT)
  - c. Daily Discharge: Freeport (FPT), Vernalis (VNS), Yolo Bypass, East Side Streams
  - d. Delta Cross Channel Gate and Suisun Marsh Salinity Control Gate Operation Status
  - e. Delta Outflow (NDOI)
  - f. Delta Conditions (e.g., Balanced, Excess, or Excess with Restrictions)
  - g. Exports: Clifton Court (CLC) and Jones PP (TRP)
- (2) **D1641 Water Quality for M&I (Chloride)**, including:
  - a. Contra Costa Canal at PP#1, San Joaquin River at Antioch WW Intake, West Canal at mouth of Clifton Court Forebay, Delta Mendota Canal at Tracy, Barker Slough at NBA Intake, Cache Slough at City of Vallejo Intake
- (3) **D1641 Water Quality for Agriculture (Electrical Conductivity)**, including
  - a. Western Delta: Emmaton (EMM) and Jersey Point (JER)
  - b. Interior Delta: South Fork Mokelumne River at Terminous, San Joaquin River at San Andreas Landing
  - c. Southern Delta: San Joaquin River at Vernalis (VNS), San Joaquin River at Brandt Bridge, Middle River at Old River, Middle River at Victoria Canal, Old River at Grant Line Canal, Head of Old River, Old River at Tracy, West Canal at mouth of Clifton Court Forebay, Delta Mendota Canal at Tracy
- (4) **D1641 Flow Objectives for Fish**, including:
  - a. Delta outflow (NDOI)
  - b. Electrical conductivity (Collinsville (CLL), Chipps Island (MAL), Port Chicago (PCT)) and corresponding X2 (CX2)
  - c. Sacramento River at Rio Vista flow
  - d. San Joaquin River at Vernalis (VNS) flow
  - e. Delta inflow
  - f. Exports (Clifton Court, Jones, and Combined)
  - g. Suisun Marsh Salinity: electrical conductivity at Sacramento River at Collinsville, Montezuma Slough at National Steel, Montezuma Slough near

Beldon Landing, Chadbourne Slough at Sunrise Duck Club, Suisun Slough  
300 feet south of Volanti Slough

**(5) ITP OMR Management**, including:

- a. OMR Index
- b. Freeport (FPT) flow and turbidity
- c. QWEST flow
- d. Old River at Bacon Island (OBI), Old River at Franks Tract (OSJ), and Holland Cut (HOL) turbidity
- e. Clifton Court (CLC) temperature
- f. Mossdale (MSD) temperature
- g. Prisoners Point (PPT) temperature
- h. Jersey Point and Rio Vista temperature (end of Turbidity Bridge mgmt. period)

**(6) Summary of San Joaquin Tributary Storage**

- a. Storage and Top of Conservation at: Millerton, McClure, Don Pedro, and New Melones
- b. Flows: San Joaquin at Dos Palos (SDP), San Joaquin at Maze Rd Bridge (MRB), and San Joaquin River at Vernalis (VNS)

**(7) Hydroclimate**

- a. Bulletin 120 report (help inform Spring X2 requirements)
- b. Water Supply Indices forecast (help inform D1641 requirements)
- c. Precipitation and Snowpack
  - i. North 8-Station Index, San Joaquin 5-Station Index, 8 River Cumulative Unimpaired Runoff
  - ii. SWC for North, Central and South Sierra
  - iii. 6-day precipitation forecast

# D-1641 BAY-DELTA STANDARDS STATIONS

## FLOW/OPERATIONAL

- ◆ Fish and Wildlife
- ◆ SWP/CVP Export Limits
- ◆ Export/Inflow Ratio
- Minimum Delta Outflow
- Habitat Protection Outflow
- Salinity Starting Condition
- River Flows:
- @ Rio Vista
- @ Vernalis - Base
- Pulse
- ◆ Delta Cross Channel Gates

## WATER QUALITY

- Municipal & Industrial
- All Export Locations
- Contra Costa Canal
- Agriculture
- Western/Interior Delta
- Southern Delta
- Fish and Wildlife
- San Joaquin River Salinity
- Suisun Marsh Salinity

