

**WELCOME!**



**Water Year 2007  
CVPIA §3406(b)(2) and  
CALFED Environmental  
Water Account (EWA)  
Accounting**

**December 12, 2007**

# Agenda

- **Introduction**
- **(b)(2) Process, Base Case Definition, Implementation**
- **CVP Operations with (b)(2) Actions**
- **(b)(2) Accounting**
- **(b)(2) Banking**
- **Questions**

# **(b)(2) Process**

- **B2IT – (b)(2) Interagency Team**
  - **Members – USBR, USFWS, NOAA Fisheries, DWR and DFG**
  - **Met weekly or bi-weekly as needed to review CVP operations, produce forecasts of operations, review (b)(2) daily accounting and resolve issues at a technical level.**
- **Forecasts produced monthly with (b)(1) and (b)(2) action placeholders.**
- **Hypothetical daily operation created using actual hydrology.**
- **Daily accounting done by a comparison of the hypothetical base operations to actual operations (not including EWA or water augmentation tools). Both operations usually include water acquisition to keep them (b)(2) neutral.**

# Base Case Definition

- Upper Sacramento
  - 1992 Winter Run Biological Opinion (Temperature Operations) & WR 90-5.
  - COE Flood Control Requirements.
- Clear Creek
  - 1960 MOA with CDFG
- Trinity River
  - December 2000 Trinity ROD (453,000 AF)
- American River
  - “Modified D-893”
  - COE Flood Control Requirements with SAFCA enhancements.
- Stanislaus River
  - 1987 Instream Flow Agreement & D-1422
  - COE Flood Control Requirements.
- Delta
  - D-1485
  - 1986 COA

# Implementation

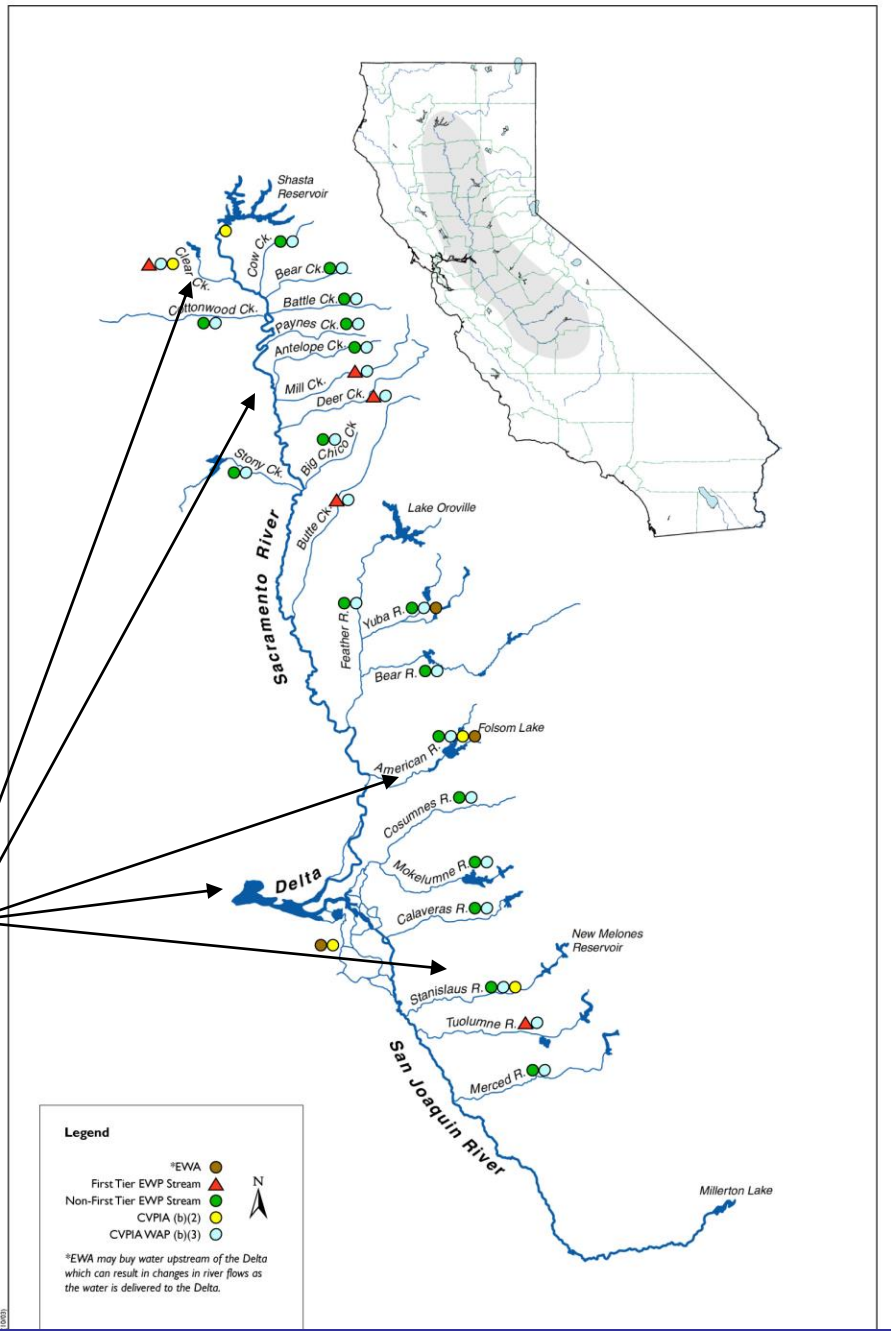
- **May 2003 DOI (b)(2) Decision.**
- **As clarified by December 2003 Interior Guidance Memo and January 2004 Appellate Court ruling.**
- **(b)(2) banked water layered on top of 2007 (b)(2) water use.**
- **Continued use of (b)(1) re-operation.**
- **Integration of EWA and (b)(2) operations.**

# **CVPIA Section 3406 (b)(2) water**

## **Technical basis:**

- **(b)(2) fish actions are based on real-time monitoring, AFRP documents, published literature, IEP and DFG reports.**
- **CVPIA's mandate to double natural production of anadromous fish.**
- **CVPIA's instructions to "...provide flows of suitable quality, quantity, and timing to protect all life stages of anadromous fish..."**
- **(b)(2) fish actions are monitored, evaluated, and modified based on the best science available.**

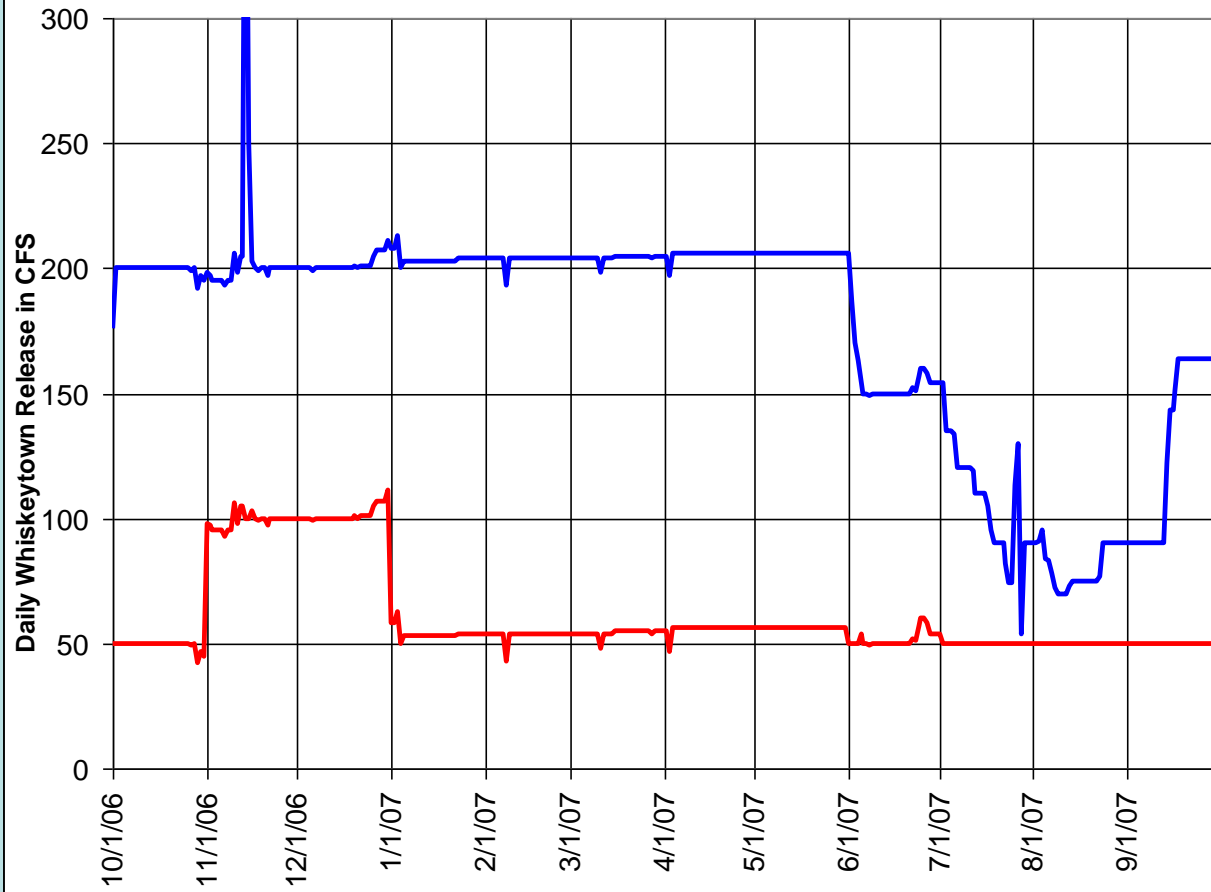
**B2 water**  
 Primarily CVP  
 controlled streams  
 and Delta  
 Actions.





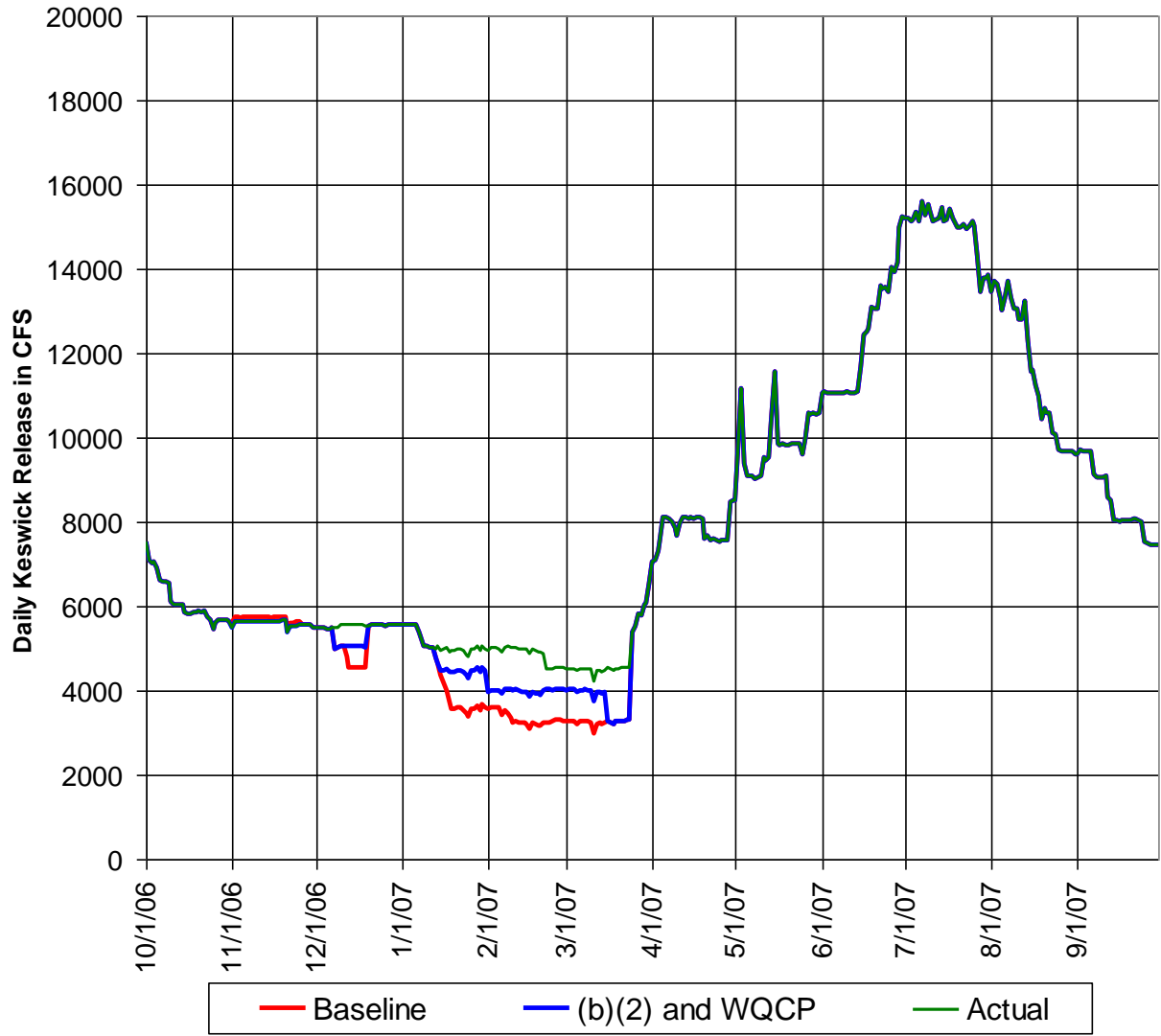
# **CVP Operations**

# Clear Creek Operations

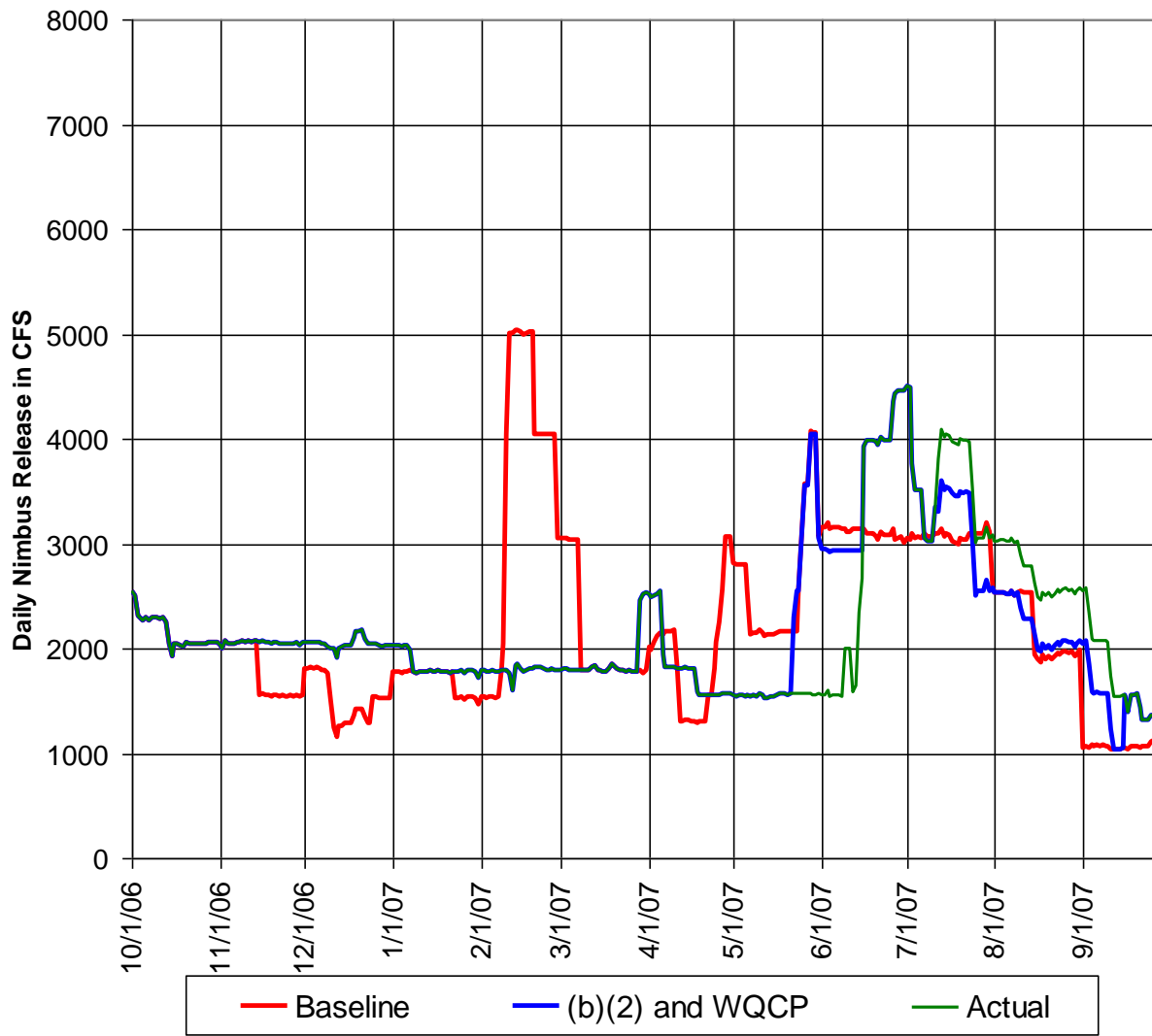


— Baseline                      — (b)(2) and WQCP

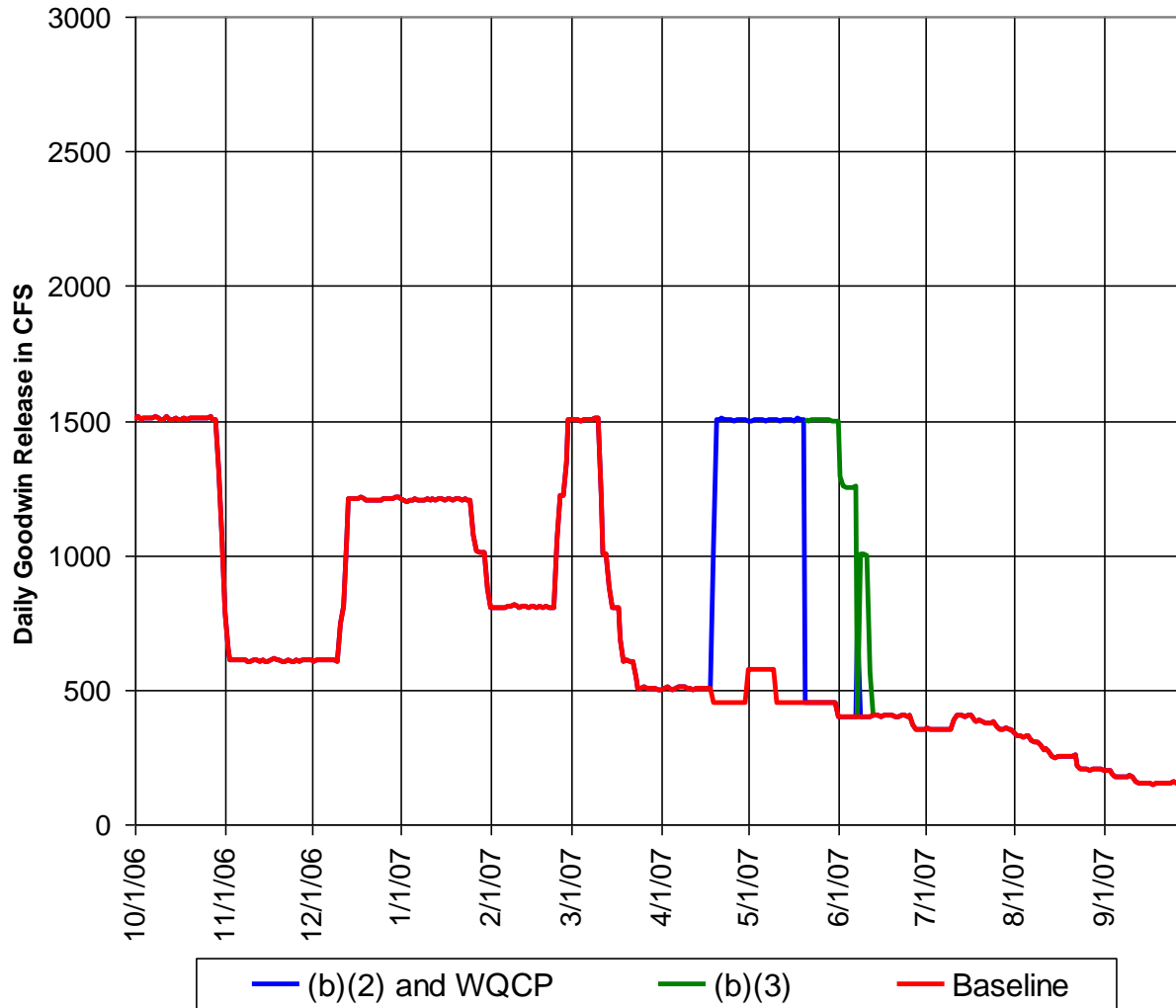
# Sacramento River Operations



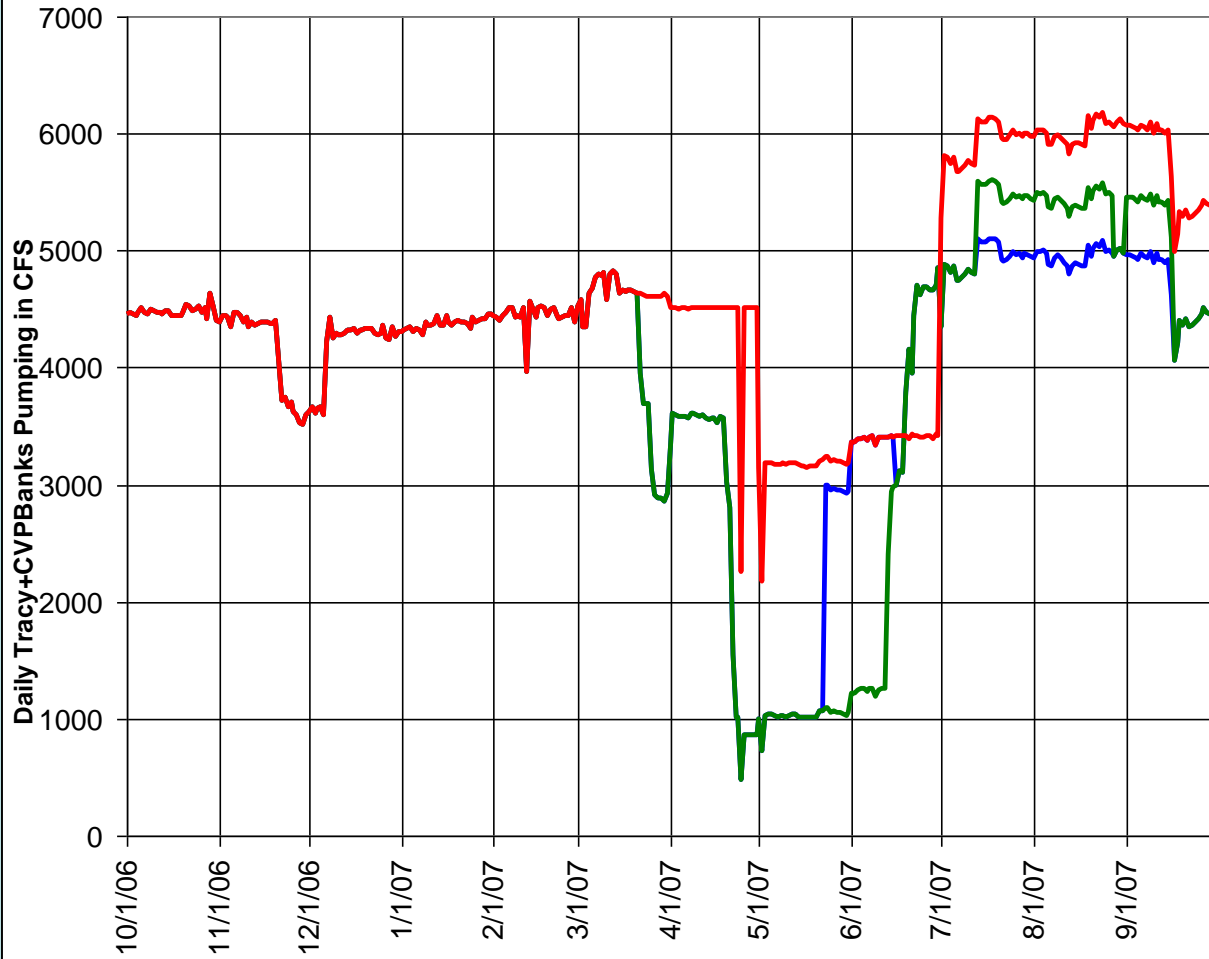
# American River Operations



# Stanislaus River Operations



# CVP Delta Export Operations



(b)(2) and WQCP      Actual      Baseline

**(b)(2) Accounting**

# **(b)(2) Calculation**

- **Release Metric: Oct 1 – Sep 30**

**Daily increase in release with (b)(2) operations vs base operations. Re-operation between northern CVP reservoirs is excluded from the accounting.**

- **Delta Metric: Oct 1 – Sep 30**

**Daily reduction in CVP exports with (b)(2) operations vs base operations. Re-operation between days at a facility with no foreseeable impacts is excluded.**



# **(b)(2) Banking Program**

- 195,000 acre-feet of carried over (b)(2) water from WY 2006 was stipulated to be banked in Shasta reservoir.**
- The banked (b)(2) water is considered a discrete, physical volume of water in Shasta reservoir that will be used for fish actions and accounted for separately from the Water Year 2007 (b)(2) allocation.**
- 115.5 taf of this banked water was used to support in-stream flows on the Sacramento River in WY 2007.**
- The remainder of the banked water was returned to the project in Shasta Reservoir at the end of WY 2007.**

# Water Year 2007 (b)(2) Accounting

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Release Metric (Oct 1-Sep 30)	9.2	17.4	46.9	43.7	48.7	36	43.9	49.5	35.2	23.1	5	27.7	386.3
Export Metric (Oct 1-Sep 30)	0	0	0	0	0	26.8	101	96.9	0	61	65.3	60.7	411.9
Total (b)(2) Expenditures	9.2	17.4	46.9	43.7	48.7	62.8	145	146	35.2	84.1	70.3	88.4	798.2
banked (b)(2) use	0	0	11.9	18	48.3	37.2	0	0	0	0	0	0	115.4
banked (b)(2) returned to project	0	0	0	0	0	0	0	0	0	0	0	79.5	79.5

- Questions?