

Water Year 2003
CVPIA §3406b(2) and CALFED
Environmental Water Account
(EWA) Accounting

December 10, 2003

Agenda

- Introduction
- b(2) Process, Base Definition, Implementation
- WY 2003 CVP Operations with b(2) Actions
- WY 2003 b(2) Accounting
- EWA Background
- WY 2003 EWA Actions
- WY 2003 EWA Accounting
- 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 acquisitions to keep them b(2) neutral.**

Base Case Definition

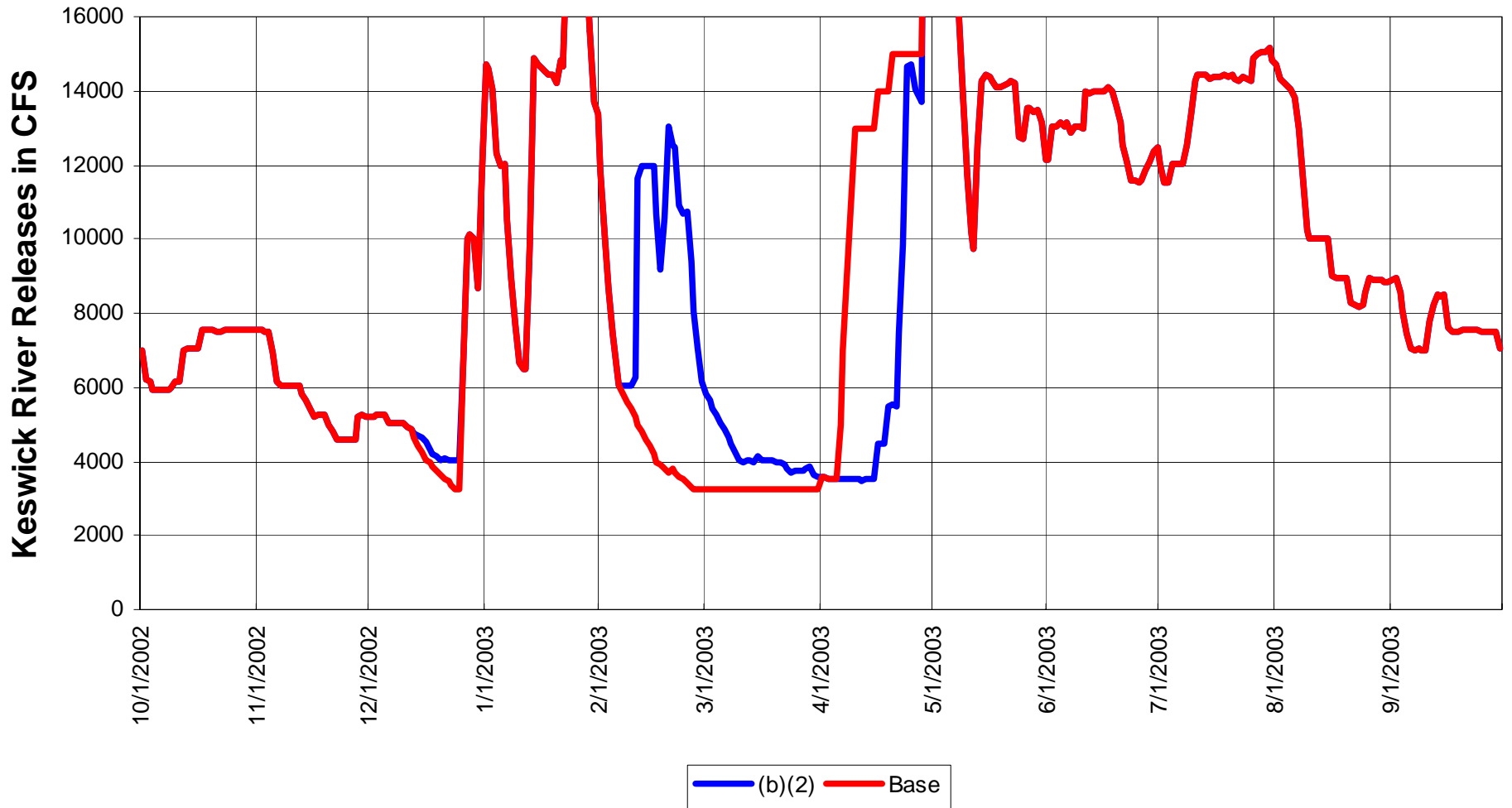
- **Upper Sacramento**
 - 1992 Winter Run Biological Opinion (Temperature Operations) & WR 90-5.
 - COE Flood Control Requirements.
- **Clear Creek**
 - 1960 MOA with CDFG.
- **Trinity River**
 - Interim 452,000 AF Trinity River release per Wanger
 - Safety of Dams.
- **American River**
 - “Modified 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

WY 2003 Implementation

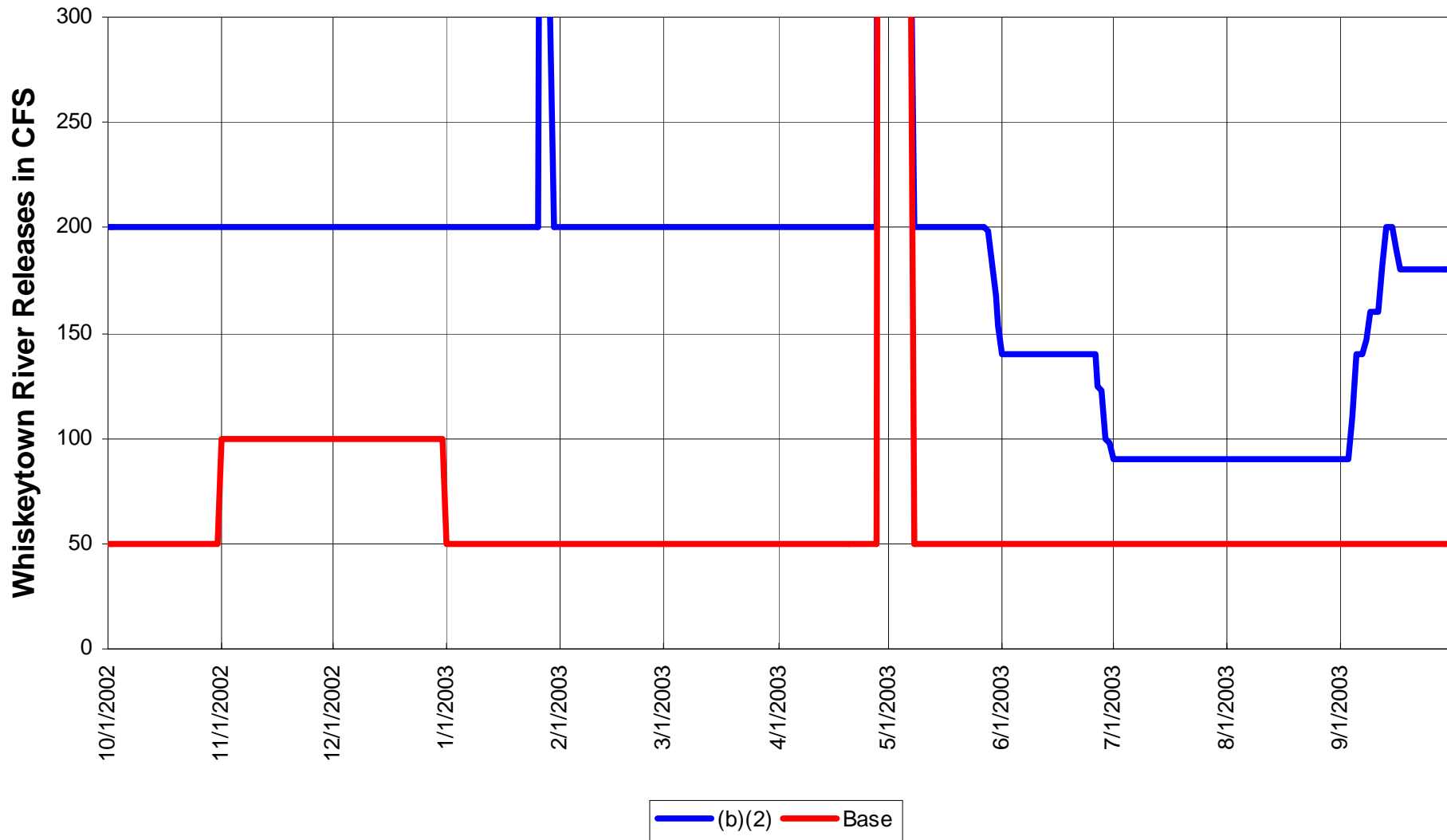
- October 1999 DOI b(2) Decision .
- As amended by District Court rulings in October 2001 and February 2002.
- No use of b(2) banking.
- Continued use of b(1) re-operation.
- Integration of EWA into b(2) operations.

**WY 2003 CVP Operations
with b(2) Actions**

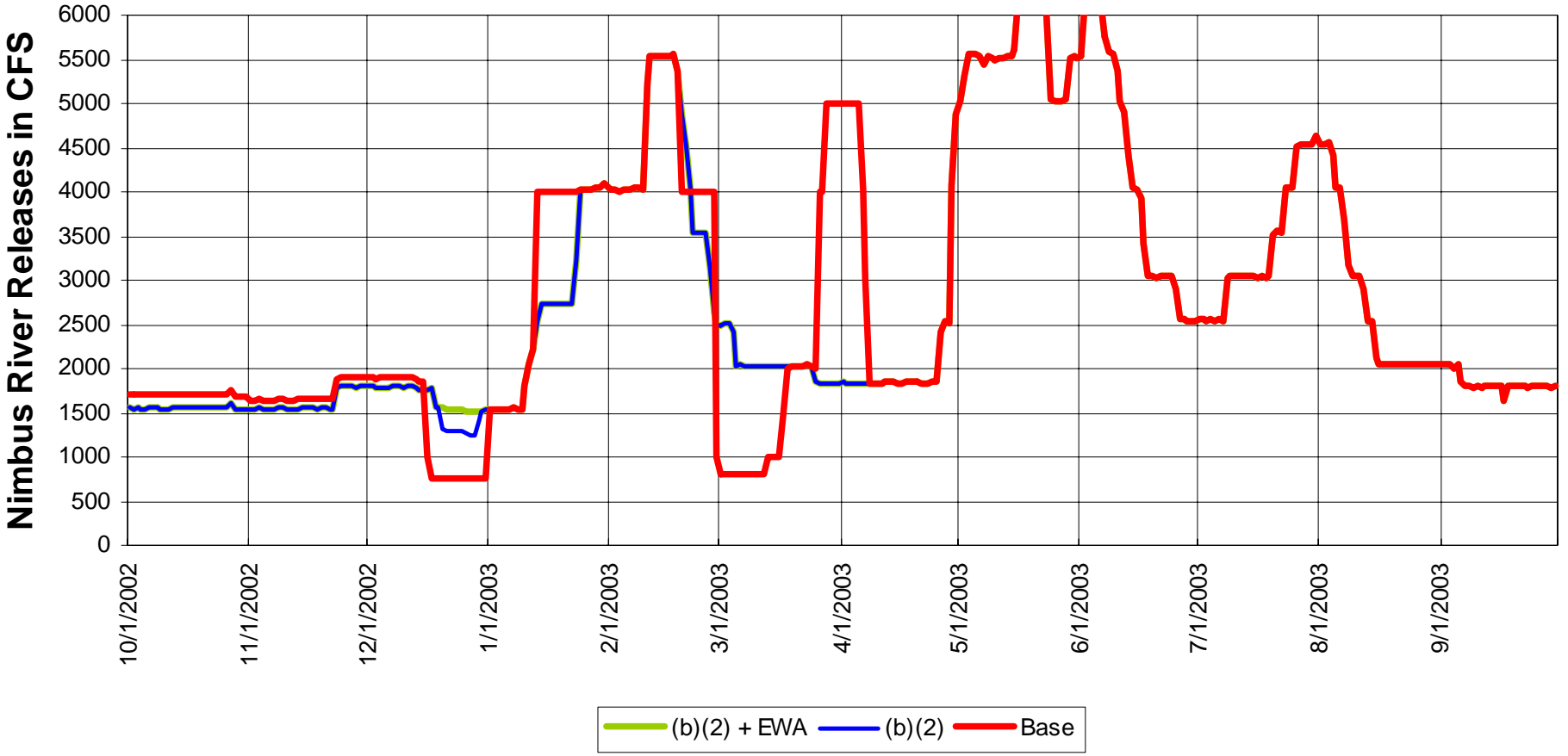
Sacramento River Daily Operations



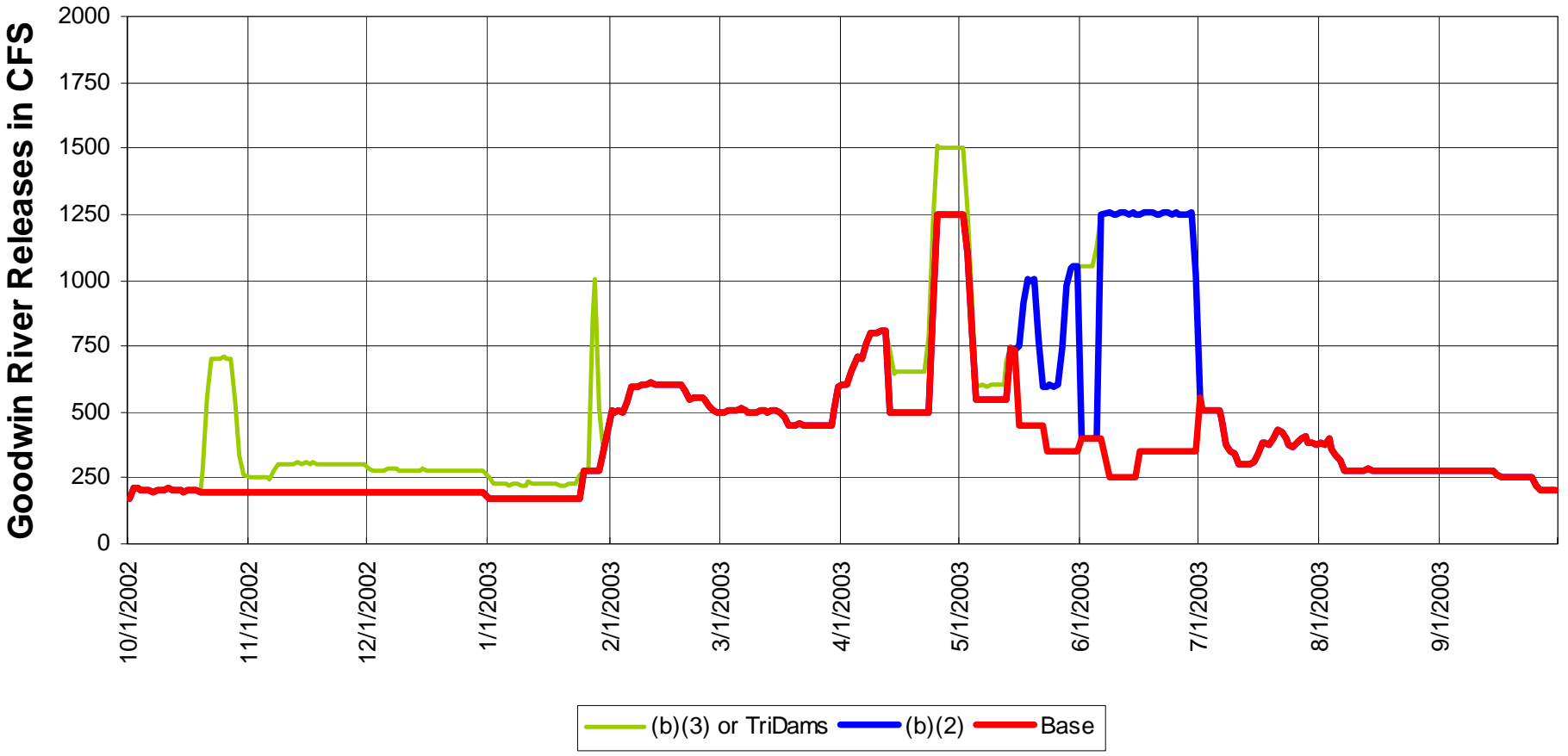
Clear Creek Daily Operations



American River Daily Operations

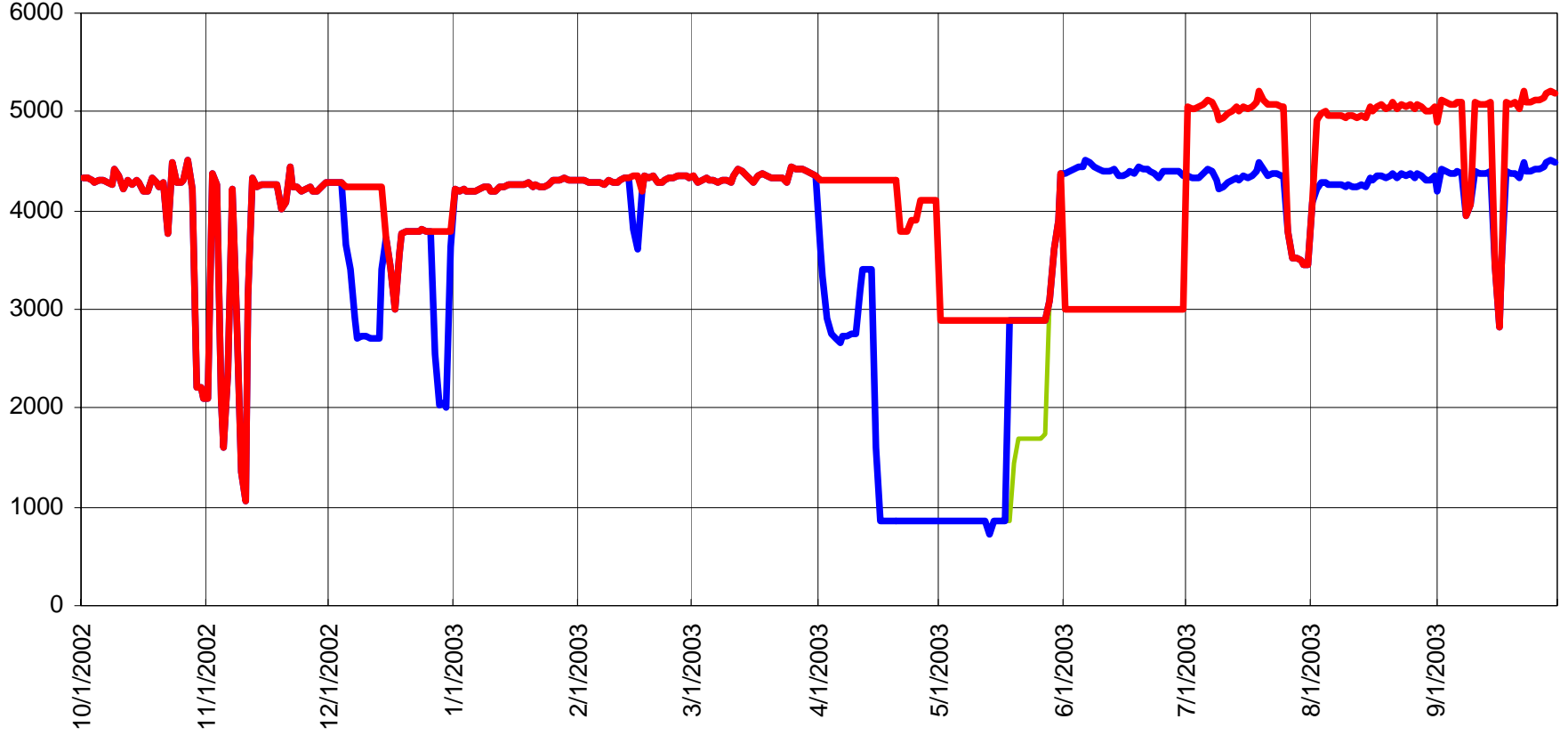


Stanislaus River Daily Operations



CVP Delta Daily Operations

CVP Export Pumping (Tracy+Banks) in CFS



(b)(2) + EWA (b)(2) Base

b(2) Accounting

b(2) Calculation

- **Storage/Release Metric: Oct 1 – Sep 30**

Daily increase in release with b(2) operations vs base operations. Reoperation 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. Reoperation between days at a facility with no foreseeable impact is excluded.

Final b(2) Accounting Water Year 2003

	Oct	Nov	Dec	Jan	Feb*	Mar	Apr	May	Jun	Jul	Aug	Sep	Tot
Storage/Release Metric (Oct 1-Sep 30)*	0	0	-36	-12	-187	-112	-8	-21	-51	-2	-2	-7	-438
Export Metric (Oct 1-Sep 30)	0	0	-39	0	-3	0	-137	-69	0	-35	-42	-35	-358
Total (b)(2) Expenditures													-796

* February's release cost reduced by 65 TAF to reflect COA adjustment.

WY 2004 Implementation

- Dec 2002 Draft DOI b(2) Decision finalized and issued in May 2003.
- June 2003 Appellate Court ruling issued.
- Continued use of b(1) re-operation.
- Integration of EWA into b(2) operations.