

CALFED BAY-DELTA PROGRAM

Office Memorandum

Date: February 19, 1998

To: Rick Breitenbach

From: Dave Samson *DS*

Subject: CALFED vs. ISDP Facility Descriptions

CALFED Alternatives include a variety of South Delta and CVP-SWP Improvements that are components of DWR's Interim South Delta Program. The specific ISDP facilities that are featured in various alternatives include flow control structures (Middle River, Grant line Canal, Old River) and a fish control structure at the head of Old River. Channel dredging in Old River adjacent to Victoria Island is also derived from the ISDP.

Although the proposed location is the same, the component that does vary between the Programs is the new Clifton Court Forebay Intake Structure. The ISDP concept features a 25,000 – 30,000 cfs gated structure that is operated in conjunction with the tidal cycle. This design would allow for continuous pumping of 10,300 cfs from the Banks Pumping Plant. CALFED's proposed intake facility consists of a fish-screening complex and a 15,000 cfs pump station that can be continuously operated independent from tidal influence. Further studies are required to support the theory of continuous pumping at a rate of 15,000 cfs, year around, without adversely impacting stages and water quality in south Delta channels. The results of these studies may also indicate that channel enlargement in Old River might not be required at this export flow rate.

CALFED's CVP-SWP Improvements also include a 4,600 cfs channel (intertie) between Clifton Court and the Tracy intake channel, as well as new state-of-the-art fish screens for the existing Tracy Fish Screening Facility. These features are not part of the ISDP. Alternatives 2D, 2E, 3H, and 3I include channel improvements in Old River that feature set-back levees and habitat. This set-back levee concept would preclude the need for the ISDP dredging component on Old River.

Cc: Stein Buer
Mark Cowin