

## Other Operational Changes Made to Benefit Delta Smelt, Delta Smelt Critical Habitat, and the Proposed Sacramento Splittail

- (1) Starting gate-- If the best estimate of the Eight River Index is more than 900 TAF in January, the daily average or 14-day running average electrical conductivity at Collinsville (station C2) shall attain 2.64 mmhos/cm or less between February 1 and February 14 for at least one day. If the Eight River Index is between 650 TAF and 900 TAF in January, the operations coordination group established by the Framework Agreement shall decide if the daily average or 14-day running average electrical conductivity at Collinsville (station C2) shall attain 2.64 mmhos/cm for at least one day between February 1 and February 14. Disputes will be resolved by the CALFED policy group described above.

At the discretion of the Ops Group, the starting gate requirement may also be met by a minimum daily Delta 3-day running average outflow of 7,100 cfs, if the January Eight River Index is between 650 and 900 TAF.

- (2) San Joaquin River pulse flow-- The operating criteria listed above specifies that during the April and May 30-day pulse flow period, combined CVP and SWP exports may be the greater of 1,500 cfs or 100 percent of the Vernalis flow. Reclamation will pursue acquisition of additional flow (acquired flow) to provide San Joaquin flows at Vernalis during the April and May 30-day pulse in excess of those exported by the CVP and SWP. Any such acquired flows will be identified as being in excess of those attributable to CVP releases, unregulated accretions or unstorable flows. Through the CALFED process and other associated discussions, Reclamation and DWR will encourage measures that will minimize the diversion of acquired flows during the 30-day pulse flow period. An Operations Plan shall be submitted to the Service by April 1 of each year describing Reclamation's and DWR's Delta operations and forecasted San Joaquin River flows during the April and May 30-day pulse flow. The objective of this Operations Plan is to provide a flow at Vernalis that exceeds CVP plus SWP export by an amount equal to 50 percent of the identified pulse flow associated with the most recently available forecasted San Joaquin 60/20/20 Index (at 90 percent of exceedance).\* In an effort to accomplish this goal, Reclamation and DWR will also consider re-allocation within the Principles for Agreement or other means to provide Vernalis flows or Delta exports consistent with this objective.

\*Two examples of possible Operations Plans that meet the stated objective:

- (a) "Above Normal" San Joaquin Index with X2 requirement west of Chipps Island--  
 Base flow - 5,400 cfs (Reclamation will identify base flow in Operations Plan)  
 CVP+SWP export - 5,400 cfs (equal to 100 percent of base flow)  
 Identified pulse flow - 7,020 cfs  
 Acquired flow objective - 3,510 cfs (equal to 50 percent of identified pulse flow)  
 Total flow objective at Vernalis - 8,910 cfs (base flow plus acquired flow)
- (b) "Critical" San Joaquin Index with X2 requirement at the Confluence--  
 Base flow - 1,400 cfs  
 CVP+SWP export - 1,500 cfs (greater of 1,500 cfs or base flow)  
 Identified pulse flow - 3,110 cfs