

State of California
State Water Resources Control Board
DIVISION OF WATER RIGHTS
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ENVIRONMENTAL INFORMATION
FOR PETITIONS
(THIS IS NOT A CEQA DOCUMENT)

APPLICATION NO. 18085 PERMIT NO. 13856 LICENSE NO. –

1. **DESCRIPTION OF PROPOSED CHANGES TO EFFECTUATE**
TEMPORARY WATER TRANSFER

Placer County Water Agency (“PCWA”) proposes to transfer a total of 20,000 acre-feet (“AF”) of water currently stored in its Middle Fork Project (“MFP”) reservoirs on the Rubicon and American Rivers to the San Diego County Water Authority (“SDCWA”) for domestic, municipal and industrial use within the service area of SDCWA. To accomplish the transfer, the following temporary changes in the place of use and points of diversion under PCWA’s MFP water right permit are needed:

- 1) Allow temporary storage of Transfer Water in Folsom Reservoir.
- 2) Allow re-diversion of Transfer Water at the State Water Project’s Clifton Court Forebay and Harvey O. Banks Pumping Plant.
- 3) Allow use of Transfer Water within the SDCWA service area.

Under the proposed transfer, PCWA could release 20,000 AF of Transfer Water from its Middle Fork Project reservoirs into the Middle Fork and North Fork American Rivers from May 1, 2009 through December 31, 2009, however, the main transfer period would likely be between June and September 2009. The released water would flow into Folsom Reservoir where it may be diverted and stored until the Transfer Water can be conveyed through, and diverted from, the Sacramento-San Joaquin Delta (“Delta”). SDCWA would withdraw the Transfer Water from Folsom Reservoir when it can be diverted at the State Water Project’s (“SWP”) Clifton Court Forebay and Banks Pumping Plant.

In order to facilitate this transfer, SDCWA may execute a Warren Act contract or other wheeling/storage agreement with the U.S. Bureau of Reclamation (“Reclamation”). Additionally, the California Department of Water Resources (“DWR”) and Reclamation will coordinate SWP and Central Valley Project (“CVP”) operations to convey the Transfer Water through the Delta. After diversion from the Delta, the Transfer Water

will either be put to immediate use in the SDCWA service area, or stored in San Luis Reservoir or other SWP facilities for later use within the SDCWA service area.

PCWA proposes to release up to 20,000 acre-feet of water stored in its Middle Fork Project for transfer to the SDCWA ("Transfer Water"). The Transfer Water will be released from PCWA's Ralston Afterbay Reservoir on the Middle Fork of the American River to points of rediversion at the State Water Project's Clifton Court Forebay and Harvey O. Banks Pumping Plant. Conveyance of the Transfer Water will be scheduled in cooperation with DWR and Reclamation such that it will use available surplus release, pumping and transmission capacity and will not disrupt normal CVP or SWP operations.

PCWA has determined that it has at least 20,000 AF of surplus water stored in the Middle Fork Project. PCWA reached this conclusion by reviewing projected MFP inflow, storage, and operations data. Specifically, PCWA had approximately 222,200 AF of water in storage in its Middle Fork Project reservoirs as of 4/21/2009 (French Meadows and Hell Hole Reservoirs) and the projected runoff from 4/21/09 through the end of June is another 120,000 AF. This water is stored pursuant to a Federal Energy Regulatory Commission license (Project No. 2079) and water right permits nos. 13855, 13856, 13857, and 13858. The estimated total MFP water supply in 2009 is therefore about 342,200 AF. PCWA anticipates supplying the following quantities of water to its MFP customers in 2009: City of Roseville – 15,000 AF; San Juan Water District – 13,000 AF; and, Sacramento Suburban Water District – 13,000 AF. In addition, PCWA anticipates diverting 10,000 AF for its own retail customers in 2009. Deducting from the total supply the estimated 51,000 AF of consumptive demands within PCWA's MFP service area, and FERC's 50,000 AF required minimum combined reservoir carryover, leaves 241,200 AF available to be used for power generation or reserved as additional carryover storage for 2010, which is well above the proposed transfer amount of 20,000 AF.

This proposed transfer would require temporarily adding Reclamation's Folsom Lake facility and the SWP's Clifton Court Forebay and Banks Pumping Plant as new points of rediversion under Permits 18085 and 18087. The service area of SDCWA would be temporarily added to the place of use of Permits 18085 and 18087.

In order to refill Middle Fork Project reservoirs without injury to downstream vested rights following the transfer, PCWA will enter into a refill agreement with Reclamation, similar to refill agreements that PCWA and Reclamation have entered into in past years to facilitate other similar PCWA water transfers.

Only existing facilities will be utilized to accomplish this transfer. The project does not involve construction or modification of any facilities. Land uses within the PCWA and SDCWA service areas will not change as a result of this transfer. This transfer is critically needed to provide water supplies to SDCWA, which has experienced several years of below average rainfall and reduced water supply allocations due to a combination of dry hydrology and increased regulatory restrictions on SWP pumping. Because the proposed transfer is temporary, and because its purpose is drought relief to make up for these lost supplies, the proposed transfer will not result in additional land use changes.

CA 95670 Phone: (916) 358-2899, FAX: (916) 358-2899. PCWA has not received DFG's opinion regarding the project, but will provide this information to the appropriate State Water Resources Control Board ("SWRCB") staff when available. PCWA expects DFG to indicate that the transfer will not unreasonably affect fish or wildlife resources because very similar transfers have been done in the past with no adverse impacts identified by DFG. In fact, in the past DFG has advocated such transfers as part of the transfer of water to the CAL-FED Environmental Water Account ("EWA").

4. ENVIRONMENTAL DOCUMENTS

a. Has any California public agency prepared a CEQA environmental document for your project?

No. CEQA is not required for this proposed temporary water transfer because temporary water transfers under Water Code § 1725 are statutorily exempt from CEQA. (Water Code § 1729; CEQA Guidelines § 15282(u). However, see response to 4.c below regarding relevant environmental documents.

b. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency.

N/A

c. If NO, check the appropriate box and explain below, if necessary:

No environmental document pursuant to CEQA is required for the proposed water transfer that is the subject of this petition. Pursuant to Water Code § 1729, "a proposed temporary change under this article shall be exempt from the requirements of Division 13 (commencing with Section 21000) of the Public Resources Code." (See also CEQA Guidelines § 15282(u).)

A relevant environmental document prepared for a similar project is Reclamation's Finding of No Significant Impact ("FONSI") for the 2009 Drought Water Bank, dated April 14, 2009, and attached hereto as Attachment 1.

While this document analyzed a full scale Drought Water Bank project, which would be much larger and different scope and application, some of the analyses and conclusions generated pursuant to NEPA are applicable to this water transfer. Of particular relevance is the fact that a water transfer of 20,000 AF from PCWA's MFP was considered in the cumulative effects analysis.

5. WASTE/WASTE WATER

a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation?

No. This transfer project will not generate waste or wastewater containing sewage or chemicals of any kind. As explained in Section 8 of this Environmental Information Form, the amount of water proposed for transfer will only slightly increase baseline water flows in the American and Sacramento Rivers and in the Delta. This negligible increase will not cause erosion, turbidity, or sedimentation.

b. Will a waste discharge permit be required for your project?

No.

c. What method of treatment and disposal will be used?

N/A

6. ARCHEOLOGY

a. Have any archeological reports been prepared on this project?

No. The proposed transfer would not alter the existing physical conditions within the American and Sacramento Rivers, or the Delta, in any way that could impact or affect archeological resources within those watersheds.

b. Will you be preparing an archeological report to satisfy another public agency?

No. See response to Question 6a.

c. Do you know of any archeological or historic sites located within the general project area?

No. The project area is very large and there may be archeological or historic sites along the riverbanks or underwater in the American and Sacramento Rivers and in the Delta, as well as at Folsom Lake. However, as explained in response to Question 6a and elsewhere in this report and the associated application materials, this transfer project will cause no effects to any such resources within the project area.

7. ENVIRONMENTAL SETTING

Attach three complete sets of color photographs, clearly dated and labeled, showing the vegetation that exists at the below-listed three locations. For time extension petitions, the photographs should document only those areas of the project that will be impacted during the requested extension period.

a) Along the stream channel immediately downstream from the proposed point(s) of diversion.

A map depicting PCWA's Middle Fork Project in relation to Folsom Reservoir is attached as Attachment 2 hereto. Because of the large geographic area within the scope

of PCWA's Middle Fork Project, and the distance between PCWA's reservoirs and Folsom Lake and the SWP's Delta pumping facilities, it is not practical to attach photographs. The general vegetation throughout the Middle Fork Project is described in Section 8 below. No vegetation within the PCWA service area from the MFP reservoirs to Folsom Lake and the Sacramento-San Joaquin Delta will be adversely affected by the slight increase in flows that may occur as a result of this transfer. In fact, these additional releases may benefit vegetation by providing slightly higher flows and correspondingly moister soils during this drier than average year.

The proposed points of rediversion are Folsom Lake and the SWP's Clifton Court Forebay and Banks Pumping Plant in the southwestern edge of the Sacramento-San Joaquin Delta. There is no stream channel immediately downstream of the SWP point of diversion because it is the beginning of the California Aqueduct, a man made conveyance facility. A map of the location of the SWP pumping facilities is attached as Attachment 3 hereto.

b) Along the stream channel immediately upstream from the proposed point(s) of diversion.

The stream channels immediately upstream from the SWP's Delta pumping facilities comprise various sloughs and channels in the Sacramento-San Joaquin Delta ("Delta"). (See Attachment 4.) Because of the large geographic area within the Delta, it is not practical to attach photographs. The Delta is an estuarine ecosystem of sloughs and channels that has been heavily modified by agriculture and other human uses for approximately 150 years. During the past 50 years in particular, the natural environment of the Delta has been significantly altered by the construction and maintenance of a vast network of flood control levees. Additionally, dredging and point and non-point water discharges to the Delta have also impacted the environmental setting of the Delta. Added to these physical effects are the serious adverse biological effects of numerous aquatic invasive species, including fish, invertebrates, and plants. No vegetation within the Sacramento-San Joaquin Delta should be adversely affected by the slight increase in flows that may occur as a result of this transfer.

c) At the place(s) where the water is to be used.

A map depicting the SDCWA service area is attached hereto as Attachment 5. Because of the large geographic area encompassed by this service area, it is not practical to attach photographs. Similarly, this area contains various diverse assemblages of native and non-native vegetation and associated habitat types. This water transfer will not affect these environmental resources. By providing additional water supplies during a period of water shortage, this transfer may provide water that supports vegetation, particularly man made habitats such as outdoor landscaping and urban parkways within the SDCWA service area.

8. ADDITIONAL CONSIDERATIONS

PCWA recognizes that the SWRCB serves an important public duty and must base its approval of this petition on a variety of factors including a determination that it is in the public's interest and that it will not injure other legal users of water or unreasonably affect fish wildlife and other instream beneficial uses. (Water Code § 1725.) PCWA provides the following environmental information to further assist and support the SWRCB in its determination that approval of the petition will not unreasonably affect fish, wildlife and other instream beneficial uses. Some of the conclusions and discussion in this section are supported by DWR's and Reclamation's analyses contained in Attachment 1.

The following table describes the major vegetation communities surrounding PCWA's MFP reservoirs and the Rubicon and American River sections that will carry released water: (See next page)

Vegetation Communities Commonly Occurring Within PCWA's MFP Project Area:

<u>Tree Dominated Communities</u>	<u>Shrub Dominated Communities</u>
Subalpine Conifer	Alpine Dwarf-Shrub
Red Fir	Low Sage
Lodgepole Pine	Bitterbrush ✓
Mixed Conifer ✓	Sagebrush ✓
Sierran Mixed Conifer	Montane Chaparral
White Fir	Mixed Chaparral ✓
Klamath Mixed Conifer	Chamise-Redshank Chaparral
Douglas-Fir ✓	Coastal Scrub
Jeffrey Pine ✓	Desert Succulent Shrub
Ponderosa Pine ✓	Desert Wash
Eastside Pine	Desert Scrub
Redwood	Alkali Desert Scrub
Pinyon-Juniper	
Juniper	<u>Herbaceous Dominated Communities</u>
Aspen	Annual Grassland ✓
Closed-Cone Pine-Cypress	Perennial Grassland
Montane Hardwood-Conifer	Wet Meadow
Montane Hardwood ✓	Fresh Emergent Wetland ✓
Valley Foothill Hardwood	Saline Emergent Wetland
Blue Oak Woodland ✓	Pasture
Valley Oak Woodland ✓	
Coastal Oak Woodland	<u>Aquatic Communities</u>
Valley Foothill Hardwood-Conifer ✓	Riverine ✓
Blue Oak-Digger Pine	Lacustrine ✓
Eucalyptus	Estuarine
Montane Riparian	Marine
Valley Foothill Riparian	
Desert Riparian	<u>Developed Communities</u>
Palm Oasis	Cropland
Joshua Tree	Orchard-Vineyard
	Urban ✓

(Literature source: Mayer, K.E., and W.F. Laudenslayer, Jr., (eds). 1988. A Guide to Wildlife Habitats of California. California Department of Forestry and Fire Protection, Sacramento. 166 pp. (Note: You may view a copy of this document at our public counter at the address given at the top of this form or you may purchase a copy by calling the California Department of Fish and Game, Wildlife Habitat Relationships (WHR) Program at (916) 653-7203.)

Vegetation

No vegetation will be affected by the release of the additional water for this transfer. Therefore, wildlife habitat will not be affected by the proposed additional releases of Transfer Water from PCWA's reservoirs. Water use in the proposed new place of use

would support the same land-uses that currently exist within the SDCWA service area. This transfer will not cause additional acreage to be developed or put to use, and it will not cause a change or intensification in existing land uses. The transferred water will simply provide much needed water supplies this summer and fall that have been lost due to the synergistic effect of three consecutive years of dry hydrology and regulatory pumping restrictions on SWP and CVP operations.

Water Quality

The proposed transfer may improve water quality by slightly increasing flows and adding high quality snowmelt to existing water bodies. There is no evidence that the proposed transfer will negatively affect water quality in any unreasonable, significant, or measurable way.

When the Transfer Water is diverted at the SWP south Delta pumping facilities, all existing state and federal regulations will be complied with, including Decision 1641 and any related SWRCB orders, State and Federal endangered species acts and all biological opinions and take permits issued by the U.S. Fish and Wildlife Service and National Marine Fisheries Service. This compliance will further prevent impacts to water quality.

Wildlife and Fish Resources

Reclamation has agreed to implement the reasonable and prudent alternatives that will regulate CVP pumping in 2009, contained in the U.S. Fish and Wildlife Service's 2008 Biological Opinion on the effects of combined SWP and CVP operations on the Delta smelt. (Attachment 6.) DWR's SWP pumping must also comply with these reasonable and prudent alternatives. Additionally, there is close monitoring and coordination between DWR, Reclamation, USFWS, and the National Marine Fisheries Service ("NMFS"), and DFG regarding the effects of combined project operations on the host of species inhabiting the Delta and its tributaries. Similar coordination occurs on the lower American River. This allows the relevant agencies to quickly deal with circumstances as they arise, and to avoid significant impacts to species of special concern (i.e., listed and protected under state or federal laws).

Given the small amount of water involved in this transfer relative to the amount of water in the system and pumped by the projects, it is not expected that any fish species will be adversely affected by the proposed additional releases from PCWA's reservoirs. Almost identical change petitions and transfers have been granted by the SWRCB in the past to support acquisition of water assets by the EWA. For instance, in 2001 the SWRCB issued Order WR 2001-18-DWR, which approved the transfer of 20,000 AF from PCWA's Middle Fork Project reservoirs to the California Department of Water Resources to support the EWA. A copy of this order is attached as Attachment 7. Notably, that order found that because "the water proposed for transfer would temporarily benefit fishery resources by providing increased flows and decreased water temperatures in a critically dry year there is no apparent reason why increased flows during the summer would harm fishery resources." Similar circumstances exist this year,

and if the proposed transfer causes any effect on fish, the effect should be the same beneficial effect noted by the SWRCB during the 2001 transfer.

The amount of change in streamflow, water quality, timing of diversion or use, return flows, and effect on legal users of water will be minimal and will cause no adverse economic, physical, or environmental effects. PCWA's release of an additional 20,000 AF from the MFP is a small increment of the water that will be released from the MFP into Folsom Lake this year. Approximately 190,000 AF will be released from the MFP during the transfer period; therefore, the release of Transfer Water will increase the normal release by about 10%. After release, this additional 20,000 AF will flow first to Folsom Lake and then to points of redistribution in the south Delta at the SWP pumping facilities. Once leaving Folsom Lake, the 20,000 AF of Transfer Water will comprise an increasingly miniscule increment of water when compared to the average flows in the lower American and Sacramento Rivers, and the Delta. Data from Reclamation's Central Valley Operations Office showing the average Delta outflow and CVP and SWP pumping during the May through October period support this conclusion.

Because Reclamation cannot finalize its official reports and flow calculations until months after the fact, data from May and June 2008 and July through October 2007 are used to illustrate likely baseline conditions to evaluate the potential effect of the proposed transfer. May through October is the relevant time period because water flows during this period are the most susceptible to operational changes as a result of water transfers. This is largely due to the fact that the normal winter storms that alter and often dominate the hydrology of the Delta and its tributaries do not usually occur until November and later; therefore, the Delta and its tributaries are largely controlled by water project operations before these storms occur.

The May – October data provided in this application are the most recent data for the relevant months provided by Reclamation's Central Valley Operations Office in its monthly reports (available at http://www.usbr.gov/mp/cvo/pub_rpts.html). Furthermore, these data are considered representative of likely conditions in 2009 because both 2007 and 2008 were similarly dry or critically dry years, much like 2009. Also, 2007 and 2008 were years in which the SWP and CVP were subject to restrictions on allowable reverse flows in Old and Middle Rivers, which restricted SWP and CVP Delta pumping in order to prevent "take" of the Delta smelt under the U.S. Endangered Species Act. Similar restrictions on reverse flows and related pumping constraints, imposed by the U.S. Fish and Wildlife Service, will likely apply in 2009 as well. Thus, these data provide the Board with information to review the proposed transfer in light of the potential hydrologic conditions likely to occur during the proposed transfer as required by Water Code § 1727(b)(1).

The following table, derived from data in Attachment 8, presents the average Delta outflow and pumping rates in cubic feet per second ("cfs") during the period May through October, which constitutes the primary portion of the proposed transfer period:

**2007-2008 Average Daily Delta Outflow and Combined SWP/CVP Pumping
in Acre-Feet per Day.***

	May	June	July	August	September	October
Lower American River (AF/day)	2,592	6,795	7,464	5,631	3,431	2,636
Sacramento River at Freeport (AF/day)	17,077	21,996	37,753	34,016	31,023	21,253
Delta Inflow (AF/day)	25,614	26,976	41,983	38,261	34,793	25,479
Combined SWP/CVP Pumping (AF/day)	3,945	4,344	22,575	22,298	19,507	14,953
Delta Outflow (AF/day)	17,093	15,300	11,466	8,051	10,726	8,011

* Data from Reclamation operations reports (See Attachment 8 and text for explanation).

The 20,000 AF of Transfer Water will not be transferred all at once, but will be released from the MFP and conveyed across the Delta to the SWP pumping facilities over a period of time during the remainder of 2009, all within existing pumping and other regulatory constraints. As indicated from the table above, in comparison to the amount proposed for transfer, much larger volumes of water are expected to move through the American and Sacramento Rivers and the Delta. Thus, the transfer of an additional 20,000 AF would increase flows by only a very small amount of the total in any of the water bodies listed and would also cause only a very small increase to SWP Delta pumping. Thus, while the exact operations required to implement the proposed transfer cannot be stated with precision at this time, it is clear that the transfer will only negligibly affect streamflows, water quality, timing of diversion or use, return flows, and effect on legal users of water.

The hydrologic systems and project operations affected by this transfer experience wide fluctuations in river stages and pumping operations due to natural events and because of other water project operations such as compliance with D-1641. The data presented represent the low flow and low pumping circumstances that are likely to occur in 2009, but the fact that the river flows and pumping rates are greater in average and wetter years

also supports the conclusion that slightly increased flows, with a concomitant increase in SWP pumping rates, will not significantly or unreasonably affect streamflow, water quality, timing of diversion or use, return flows, or other legal users of water.

Because of the minimal changes in existing conditions, other legal users of water will not be adversely affected by this transfer project. The only effects of this transfer on other legal users of water will be a very slight increase in river flows from PCWA's MFP to the proposed points of rediversion at the SWP delta pumping facilities. Furthermore, when the Transfer Water is diverted by the SWP south Delta pumping facilities, all existing state and federal regulations will be complied with, including Decision 1641, State and Federal endangered species acts, and all biological opinions and take permits.

The transfer period at issue here occurs during a time when delta smelt and longfin smelt are not at high risk of entrainment at the SWP pumps because during the July to September period when a majority of the Transfer Water is likely to be conveyed through the Delta, the majority of the populations of both species are further downstream at the confluence of the Sacramento and San Joaquin Rivers or in the Suisun Marsh or Napa River areas, all of which are beyond the zone of influence of the SWP pumps. This means that slightly increased SWP pumping will not have a meaningful effect on populations of these species.

Additionally, salmonid entrainment by the SWP is generally low or absent during the summer and early fall months during which time the majority of Transfer Water will be conveyed through the Delta and diverted for export to SDCWA. This is partially due to the fact that outmigrating smolts have already left the freshwater system by this time, and the projects do not entrain a high number of adult salmonids because they are strong swimmers able to avoid entrainment influences of SWP pumping. This fact, coupled with the fact that any SWP pumping will only be slightly increased and well within the range of current and past pumping rates and all regulatory requirements, leads to a conclusion that salmonids will not be unreasonably or significantly affected by the proposed transfer.

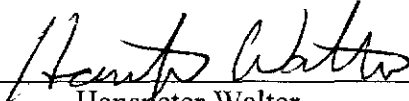
Other wildlife and plant species in the project area should not be affected by the slight changes in streamflows caused by this transfer.

CERTIFICATION

I hereby certify that the statements I have furnished above and in the attached exhibits are complete to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge.

Date: May 6, 2009

KRONICK, MOSKOVITZ, TIEDEMANN &
GIRARD
Attorneys for Placer County Water Agency

By: 
Hanspeter Walter

FINDING OF NO SIGNIFICANT IMPACT

2009 DROUGHT WATER BANK

United States Department of the Interior
Bureau of Reclamation
Mid-Pacific Region
Sacramento, California

Recommended: Rebecca Victorine 4/14/09
Natural Resource Specialist Date

Concur: Timothy B. ... 4/14/09
Program Manager Date

Concur: Tracy ... 4/14/09
Program Management Branch Chief Date

Concur: Mike Clark 4/14/09
Regional Environmental Affairs Officer Date

Approved: Paul ... 4/14/09
Regional Resources Manager Date

FONSI Number: 09-03-MP

2009 DROUGHT WATER BANK

**Bureau of Reclamation
Mid-Pacific Region
Sacramento, California**

BACKGROUND

Since 2007 and 2008 were critically dry years and reservoir storage levels are expected to be low in 2009, it is likely that some California water providers will need to supplement local and imported supplies with water transfers from willing sellers. Based on the initial water supply allocations from the CVP and SWP, the nature of the supply shortage will likely severely limit supply for existing agricultural use and limit supply for municipal needs including minimum health and safety requirements. To help facilitate the transfer of water throughout the State, the Department of Water Resources (DWR) proposes to initiate a 2009 Drought Water Bank (DWB). To implement the DWB, DWR will purchase water from willing sellers upstream of the Sacramento-San Joaquin Delta (Delta). This water will be conveyed, using State Water Project (SWP) or Central Valley Project (CVP) facilities, to water users that are at risk of experiencing water shortages in 2009 due to drought conditions and that require supplemental water supplies to meet anticipated demands. The Governor of California has requested emergency drought assistance under the Reclamation States Emergency Drought Relief Act of 1991 (Act), Public Law 102-250, as amended. The Commissioner of the Bureau of Reclamation (Reclamation) has determined that emergency drought assistance is merited. The Mid Pacific Region of Reclamation will participate in the DWB pursuant to Section 101 of the Act, to ensure that operations of the two projects can be coordinated effectively to maximize the ability of the DWB to move water from willing sellers to buyers to address critical water needs. Reclamation will review and approve, as appropriate, proposed transfers by CVP contractors in accordance with the Interim Guidelines for the Implementation of Water Transfers under the Central Valley Project Improvement Act (CVPIA).

Since the transfers Reclamation proposes to approve for the DWB represent only a portion of overall transfers supporting the DWB, the DWB is not dependent upon Reclamation's approval, and DWR would likely proceed with DWB transfers that do not require Reclamation's approval, the Proposed Action only includes those actions over which Reclamation has approval authority. The remainder of the transfers that could occur under the DWB are considered in the context of cumulative impacts.

Twenty CVP contractors have expressed interest in submitting proposals for transfer of water to DWR for the 2009 DWB. Subject to approval in accordance with the Interim Guidelines for the Implementation of Water Transfers under the CVPIA, as applicable, Reclamation proposes to approve these transfers. The proposed action would make water available to the DWB from willing sellers upstream of the Delta during the 2009 water year only. A total of up to 199,885 af of CVP water would be made available for transfer through a combination of crop idling, crop substitution, groundwater substitution, and

reservoir reoperation.

An environmental assessment (EA) was prepared to evaluate the potential environmental impacts associated with the proposed action and the no action alternative. The EA is attached for reference. The estimates analyzed in the EA reflect the potential upper limit of available water. However, actual transfers would depend on hydrology, DWB funding (interested buyers), and the amounts that sellers would ultimately have available for transfer in 2009, as well as compliance with CVPIA transfer requirements, as applicable.

Also, not all of the potential buyers analyzed in the EA may end up actually purchasing water from the DWB in 2009. It is anticipated that water made available to them from the DWB would be prioritized based on criteria DWR developed as follows: existing health and safety domestic needs, municipal supply subject to water shortage contingency plan measures, and agricultural irrigation for existing crops and livestock subject to water shortage contingency plan measures. Buyers' participation in the DWB will be subject to the terms identified in on DWR's DWB website (<http://www.water.ca.gov/drought/>), including meeting a needs assessment and having a plan with the goal of 20% reduction in water demand based on conservation efforts.

FINDINGS

In accordance with the National Environmental Policy Act of 1969, as amended, the Mid-Pacific Regional Office of the U.S. Bureau of Reclamation (Reclamation) has found that the approval of proposed transfers of CVP water in support of the 2009 DWB is not a major Federal action that would significantly affect the human environment. Therefore, an environmental impact statement is not required.

This finding of no significant impact is based on the following:

Surface Water Resources: Acquisition of water via crop idling would reduce water supply for Sacramento River users not participating in the DWB who rely on return flows from fields that, under the proposed action, would be idled. In order to minimize this impact, sellers would be required to maintain water levels in drainage systems that do not reduce supplies to downstream users.

Groundwater substitution could decrease water levels in neighboring surface water channels. Well reviews and monitoring programs will be implemented in accordance with all applicable local, regional and State regulations and basin management objectives to minimize this potential impact.

Acquisition of water via groundwater substitution or crop idling would change the rate and timing of flows in the Sacramento and Lower American Rivers. However, flow and temperature requirements, including Water Right Orders 90-5 and 91-1 temperature control planning requirements for the Sacramento River, will continue to be met under the proposed action, which would minimize the magnitude of such changes.

Transfer of stored reservoir water from Reclamation via Orland Unit Water Users Association could reduce carryover storage compared to the no action alternative. To avoid potential adverse effects, DWR and Reclamation will not approve reservoir reoperation transfers that would draw down reservoirs beyond historic operational levels. Additionally, the State Water Resources Control Board will review the proposed reservoir release to ensure that potential effects to supply or to other legal users will be minimized.

Water transfers will be conveyed through existing facilities. Water transfers involving conveyance through the Delta will be implemented within the operational parameters of the Biological Opinions on the Continued Long-term Operations of the CVP/SWP (Opinions) and any other regulatory restrictions in place at the time of implementation of the water transfers. Current Operational parameters applicable to conveyance of transfer water for the DWB include: a maximum amount of 600,000 acre feet per year is allowed for all types of water transfers; and transfer water will be conveyed during July through September only. Contract provisions of the SWP and CVP will be honored in determining access to Delta pumping capability if this capacity becomes constrained.

Under the Proposed Action, additional water supply would benefit water users who meet the previously mentioned critical needs criteria for existing uses only. Given these factors, the effects of the Proposed Action on surface water resources will not be significant.

Groundwater Resources: Crop idling and groundwater substitution transfers under the proposed action could affect groundwater resources, including changes in groundwater levels and related secondary effects. Also, groundwater pumping within the vicinity of a surface water body could change existing interactions between surface water and groundwater, potentially adversely affecting riparian habitat and downstream users. Excessive groundwater extraction from confined and unconfined aquifers could result in a lowering of groundwater levels and, in confined aquifers, a decline in water pressure, increasing the potential for subsidence. Changes in groundwater levels or in the prevailing groundwater flow regime could cause a change in groundwater quality through a number of mechanisms.

Well reviews and monitoring and mitigation plans will be implemented under the proposed action to minimize potential effects to groundwater resources. These reviews and plans will be required from sellers for review by DWR and Reclamation during the transfer approval process. DWR and Reclamation will be responsible for ensuring that well reviews and monitoring and mitigation plans are coordinated and implemented in conjunction with local ordinances, basin management objectives, and all other applicable regulations. Therefore, the Proposed Action will not have a significant adverse impact on groundwater resources.

Water Quality: Transfer of water via stored reservoir water, groundwater substitution and crop idling under the proposed action would alter surface water elevation and reservoir storage in Lake Shasta and Folsom Reservoir. However, any differences in water surface elevation and reservoir storage would not be of sufficient magnitude and frequency to affect water quality in such a way that would result in long-term adverse effects to designated beneficial uses, exceedance of existing regulatory standards or substantial degradation of water quality. Also, transfer of water under the proposed action via stored reservoir water, groundwater substitution, and crop idling under the proposed action would not substantially change Sacramento or Lower American River flows or water temperatures.

Because there would be little to no increase in sediment transport under the proposed action as compared to the no action alternative, there would be little to no decrease in the physiochemical qualities of surface water and adverse effects to designated beneficial uses, exceedance of existing regulatory standards, or substantial degradation of water quality would not be expected.

Because there would be less total leaching potential under the proposed action as compared to the no action alternative due to a decrease in applied irrigation water with crop idling, there would not be a decrease in water quality due to timing and application of water to the land as a result of crop idling. In fact, there would potentially be an improvement in the quality of surface water runoff returning to rivers and lakes.

Under the Proposed Action, there would be an increase in the amount of groundwater substituted for surface water under the proposed action, as compared to the no action alternative. However, this increase would be so small in comparison to the amount of surface water currently used to irrigate agricultural fields that the quality of the surface water, even after mixing with groundwater, would not be substantially decreased. The previously mentioned reviews, monitoring and mitigation plans that will be required of sellers will also minimize the potential for adverse effects to water quality from groundwater substitution under the proposed action.

Conveyance of transfer water under the Proposed Action will be implemented using standard CVP and SWP operating procedures designed to improve the water quality to users south and downstream of the Delta. Carriage water will be used to protect and maintain chloride concentrations in the Delta and Reclamation will only approve water transfers under the proposed action if they meet all of the required provisions of DWR's acceptance criteria governing conveyance of non-Project water through the California Aqueduct. Therefore, the proposed action would not have a significant adverse effect on water quality.

Geology and Soils: Water transfers via crop idling would result in temporary conversion of lands from rice crops to fallowed fields. However, the rice crop cycle and soil texture reduces the potential for erosion. Therefore, there would be little to no soil loss from wind erosion off the idled rice fields, and the proposed action would not significantly affect geology and soils.

Agriculture and Land Use: Water transfers via crop idling would temporarily alter agricultural land use conditions. However, temporal (one year) water transfers from the DWB are expected to contribute a relatively small amount of rice idling acreage in relation to the normal variation in planted rice acreage resulting from typical farming practices. To minimize potential adverse impacts to agricultural land use, proposed water transfers would be approved only if no more than 20 percent of rice fields would be idled cumulatively (from all sources of fallowing) in each county. If crop idling would change the classification of farmland to levels less than Prime Farmland, Farmland of Statewide Importance, or Unique Farmland under the Farmland Mapping and Monitoring Program and Prime Farmland under the Williamson Act, Reclamation would not approve transfer of water from that parcel. Therefore, the Proposed Action will not have a significant adverse impact on agriculture and land use.

Vegetation and Wildlife: Decreasing groundwater levels could reduce part of the water base for habitat. The well review and required monitoring and mitigation plans described in the groundwater section would minimize or avoid potential adverse effects to habitat from groundwater - surface water interaction.

Crop idling under the proposed action would reduce return flows, potentially affecting neighboring managed seasonal wetlands. As a part of the contractual agreements, DWR will require the willing seller of water for crop idling to maintain their drainage systems at a water level that will maintain existing wetlands and provide habitat for western pond turtle.

Crop idling of seasonally flooded agricultural land under the Proposed Action could reduce the amount of over winter forage for migratory birds. In order to limit reduction in the amount of over-winter forage for migratory birds, Reclamation will avoid or minimize actions near known wintering areas and areas that support core populations of special status species such as the black tern and greater sandhill crane. Therefore, the Proposed Action will not have a significant impact on vegetation and wildlife.

Fisheries: Potential changes in flows and water temperatures under the Proposed Action would not be of sufficient frequency or magnitude to affect Chinook salmon or steelhead adult immigration, spawning, egg incubation, and initial rearing, or juvenile rearing and emigration. Transfers involving conveyance through the Delta will be implemented within the operational parameters of the Biological Opinions on Continued Long-term Operations of the CVP/SWP. Water transfers under the Proposed Action will be implemented in accordance with meeting flow and temperature requirements on the

Sacramento River. Therefore, the Proposed Action will not have a significant impact on fisheries.

Special Status Species: In compliance with Section 7 of the Endangered Species Act, Reclamation conducted formal consultation with the Service on the Proposed Action. Reclamation has determined that the Proposed Action is not likely to adversely affect the San Joaquin kit fox and may adversely affect the giant garter snake (GGS).

The 2009 DWB will adopt the crop idling conservation measures from the Environmental Water Account (EWA) Biological Opinion (2004) with some modifications. The following conservation measures to protect the giant garter snake (GGS) will be incorporated into contracts between DWR and the water seller:

- The block size of idled rice parcels will be limited to 320 acres in size with no more than 20 percent of rice fields idled cumulatively (from all sources of fallowing) in each county, or area within 1 mile of the following refuge areas: Sacramento National Wildlife Refuge Complex (Sacramento, Delevan, Colusa, Sutter, Butte Sink and Llano Seco Unit), Gray Lodge Wildlife Area (WA), Upper Butte Basin WA, and Gilsizer Slough Conservation Easement. The 320-acre blocks will not be located on opposite sides of a canal or other waterway, and will not be immediately adjacent to another fallowed parcel (a checkerboard pattern is the preferred layout);
- Parcels participating in crop idling for the 2009 DWB will not include:
 - Lands between Refuges that serve as corridors: lands adjacent to Hunters and Logan Creeks between Sacramento National Wildlife Refuge (NWR) and Delevan NWR; the Colusa Basin drainage canal between Delevan and Colusa NWRs; Little Butte Creek between Llano Seco (NWR unit) and Upper Butte Basin WA; and Butte Creek between Upper Butte Basin and Gray Lodge WA;
 - Lands adjacent to Butte Creek, Colusa Drainage Canal, Gilsizer Slough, the land side of the Toe Drain along the Sutter Bypass, Willow Slough and Willow Slough Bypass in Yolo County, and
 - Lands in the Natomas Basin;
- The water seller will maintain a depth of at least two feet of water in the major irrigation and drainage canals (but never more than existing conditions) to provide movement corridors;
- Water will not be purchased from a field fallowed by another program in the two previous years;
- As part of a Giant Garter Snake Baseline Monitoring and Research Strategy for the development of a GGS Conservation Strategy, DWR and Reclamation

are proposing research goals to help quantify and evaluate the response of the GGS to riceland idling.

- In addition, during formal consultation with the Service, Reclamation has committed to implementing the following measures as described in the April 14, 2009 Biological Opinion:
 - Reclamation will work with DWR to document the compliance with the commitment to assure that idled parcels are no more than 320 acres in size, not located across a canal or other waterway, are not immediately adjacent to another fallowed parcel, and are distributed across the landscape in a checkerboard pattern.
 - Reclamation will reject parcels that do not conform to these criteria from participating in the DWB.
 - Reclamation will create maps showing the location of parcels enrolled to sell water to the DWB by rice fallowing or crop substitution which demonstrate compliance with the spatial criteria for fallowing rice. Reclamation will provide the maps to the Service by June 14, 2009.
 - Reclamation will gather information on the level of participation by DWB entities in the BMP's for giant garter snake.
 - Reclamation will provide this information to the Service at the end of August 2009.
 - Reclamation will submit a monthly compliance report prepared by DWR to the Sacramento Fish and Wildlife Office beginning thirty (30) calendar days from signing contracts to participate in the DWB. This report will detail: (i) total acreage affected and location where the fallowing occurred; (ii) confirmation that acreage fallowed conformed to the checkerboard pattern; (iii) confirmation that buffer zones have been complied with; (iv) confirmation that water levels are being maintained in ditches around affected fields; (v) occurrences of incidental take of any giant garter snake, if any; (vi) an explanation of failure to meet such measures, if any; and (vii) other pertinent information.

In their April 14, 2009 Biological Opinion (BO), the Service concurred that the Proposed Action is not likely to adversely affect the San Joaquin kit fox and determined that the proposed action is not likely to result in jeopardy to the giant garter snake (GGS). The proposed conservation measures that have been coordinated with the Service and will be incorporated into the Proposed Action will minimize adverse impacts to GGS populations by reducing stressors, and therefore the Proposed Action will not have a significant impact on GGS. The BO also determined that effects of the Proposed Action on delta smelt were included in the consultation for the Continued Long-term Operation

of the Central Valley Project and State Water Project, and that no additional adverse effects to delta smelt will occur beyond those evaluated in that consultation.

Air Quality: Increased groundwater pumping under the Proposed Action will increase NO_x emissions. Reclamation, DWR and willing sellers will work together to implement one, or a combination, of the following mitigation measures to reduce air quality impacts within their district: retrofit non-program pumps in amounts necessary to offset the maximum increases in project-related air pollutant emissions; or purchase offsets to compensate for producing project-related emissions. Inclusion of the proposed mitigation measures into the Proposed Action will ensure that the Proposed Action will be implemented in compliance with all applicable air quality standards, and therefore will not have a significant impact on air quality.

Power: The proposed action will not change the amount of water that is released from the reservoirs, but could alter the release pattern. Buyers will be responsible for covering any additional costs associated with changes in release patterns. The proposed action will result in an average electricity increase at the Project pumps during July, August, and September, depending on the amount of water actually transferred under the proposed action. In addition, groundwater wells in the Sacramento Valley will increase their use of electricity for water supply replacement. However, this increase in electricity use will represent less than 2 percent of the projected statewide electrical surplus during these months. Therefore, the Proposed Action will not have a significant impact on power.

Cultural Resources: Under the Proposed Action, Reclamation will not approve transfers that would drawdown reservoirs beyond historic operational levels. If reservoir operations remain within historic levels, then the proposed action will have no potential to affect historic properties pursuant to the regulations at 36 CFR Part 800.3(a)(1) resulting in no affect to cultural resources.

Indian Trust Assets: Based on the actions to be undertaken it is determined that there will be potential effects to Indian Trust Assets (ITAs). However, during the transfer approval process, if Reclamation identifies potential impacts to ITAs, tribal consultation will then precede any approval of a DWB groundwater transfer in the vicinity of the identified tribes and avoidance and mitigation measures will be collaboratively developed and implemented by sellers so that the Proposed Action will not have a significant impact on ITAs.

Socioeconomics: The maximum amount of water that will be made available by crop idling under the Proposed Action is 183,385 af. This equates to approximately 55,571 acres of crop idling. However, it is likely that the actual amount of water that is actually transferred via this method in 2009 will be less. This is a worst case scenario analysis. In order to avoid or decrease adverse social effects on community stability, Reclamation and DWR will not approve DWB water transfers via crop idling if more than 20 percent of recent harvested rice acreage in the county would be idled.

Therefore, the Proposed Action will not have a significant adverse impact on socioeconomics.

Environmental Justice: Because of the farmworker profile, crop idling could have disproportionate effects on low income and minority farmworkers. However, to minimize the potential for this effect, crop idling (from all sources) would be restricted to no more than 20% of rice acreage in any county. The proposed action also has the potential benefit of alleviating the need for some idling and or farm laborer job loss in areas receiving transfer water through the DWB. As the Proposed Action would not disproportionately expose low income or minority populations to adverse environmental or human health impacts, the Proposed Action would not have a significant environmental justice impact.

Climate Change: Since the proposed action would have no construction element and would use existing facilities within the range of normal operations, it would have no effect on climate change. As the proposed action is for a one year program, climate change is not expected to affect the proposed action.

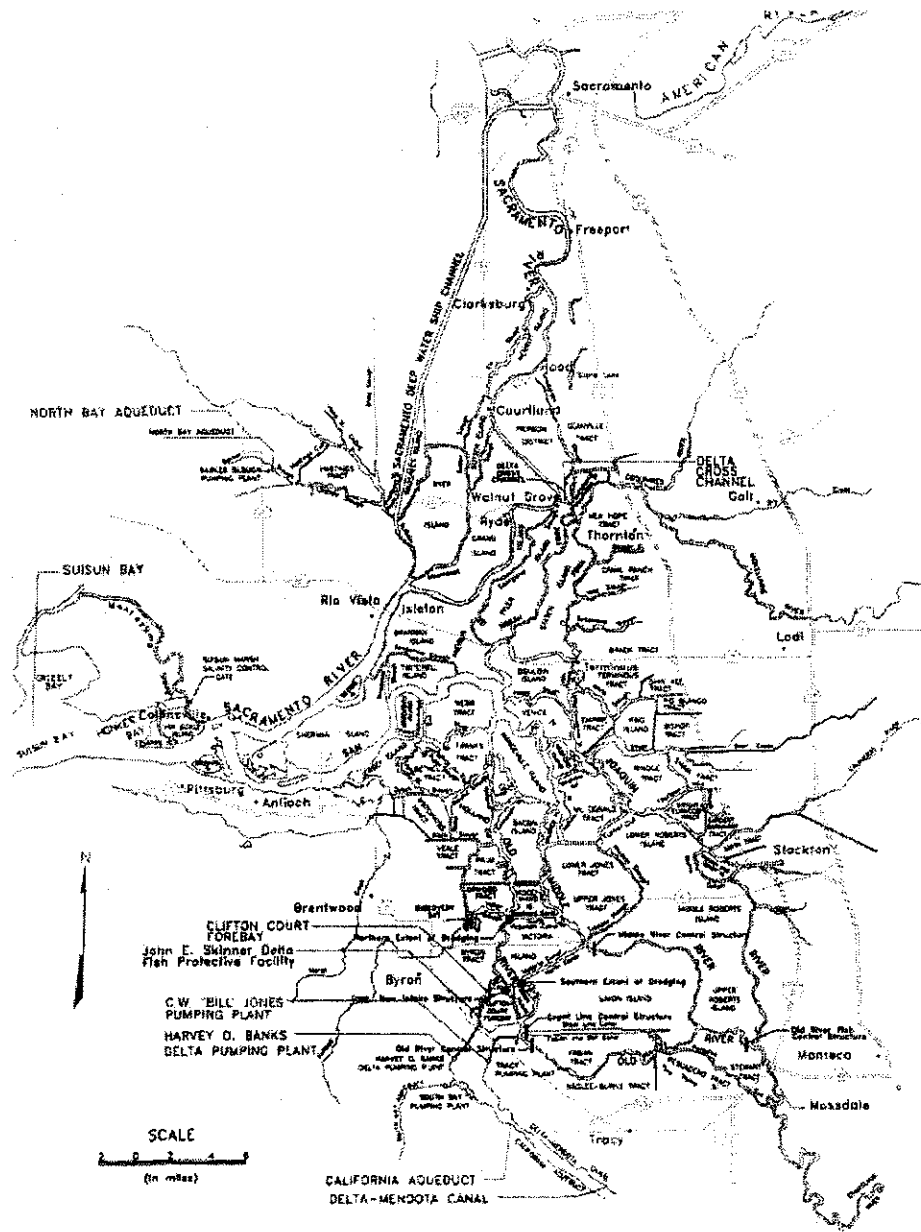
Aesthetics: The proposed action does not involve construction, introduction of new scenic features, or activities that would visually change the landscape for more than one season. The proposed action could, however, result in temporary changes or seasonal changes in the landscape. These changes would be minor, and thus the Proposed Action would not significantly impact aesthetics.

Cumulative Effects: Crop idling and groundwater substitution transfers have been implemented in previous drought response efforts, such as in the 1990's. Crop idling is also done on a regular basis as part of crop rotation and for other reasons, such as in response to hydrologic conditions, in the potentially affected areas. Groundwater use has also been implemented to supplement surface water in the past in many of the potentially affected areas, and other potential programs utilizing groundwater are described in the EA.

Fourteen non-CVP entities have indicated interest in providing water for the 2009 DWB. As previously described for potential CVP sellers, the EA analyzes estimates that reflect the potential upper limit of available water. From non-CVP sources, the DWB could potentially transfer up to 62,750 af from crop idling, 48,300 af from groundwater substitution, and 60,000 af from reservoir reoperation. Totals from all sources for the DWB would be up to 183,385 af from crop idling, 117,550 af from groundwater substitution, and 70,000 af from reservoir reoperation. The cumulative total amount potentially transferred under the DWB from all sources would be up to 370,935 af. All water transfers under the DWB will be implemented in accordance with requirements for meeting flow and temperature requirements on the Sacramento River. Also, all water transfers involving conveyance through the Delta will be implemented within the operational parameters of all applicable water quality standards and the Biological Opinions on Continued Long-term Operations of the CVP/SWP, including the limitations

of 600,000 af for all water transfers and transfer window of July through September.










Approval of the proposed water transfers under the DWB would not have highly controversial or uncertain environmental effects or involve unique or unknown environmental risks. Given the short-term nature of the proposed water transfer program, impacts to the previously discussed resource categories associated with the Proposed Action would be temporary in nature, and would not contribute to a cumulatively significant adverse impact when added to other past, present and reasonably foreseeable future actions.

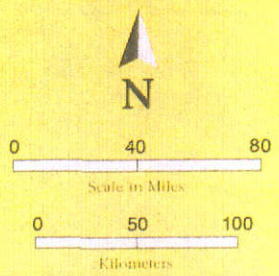


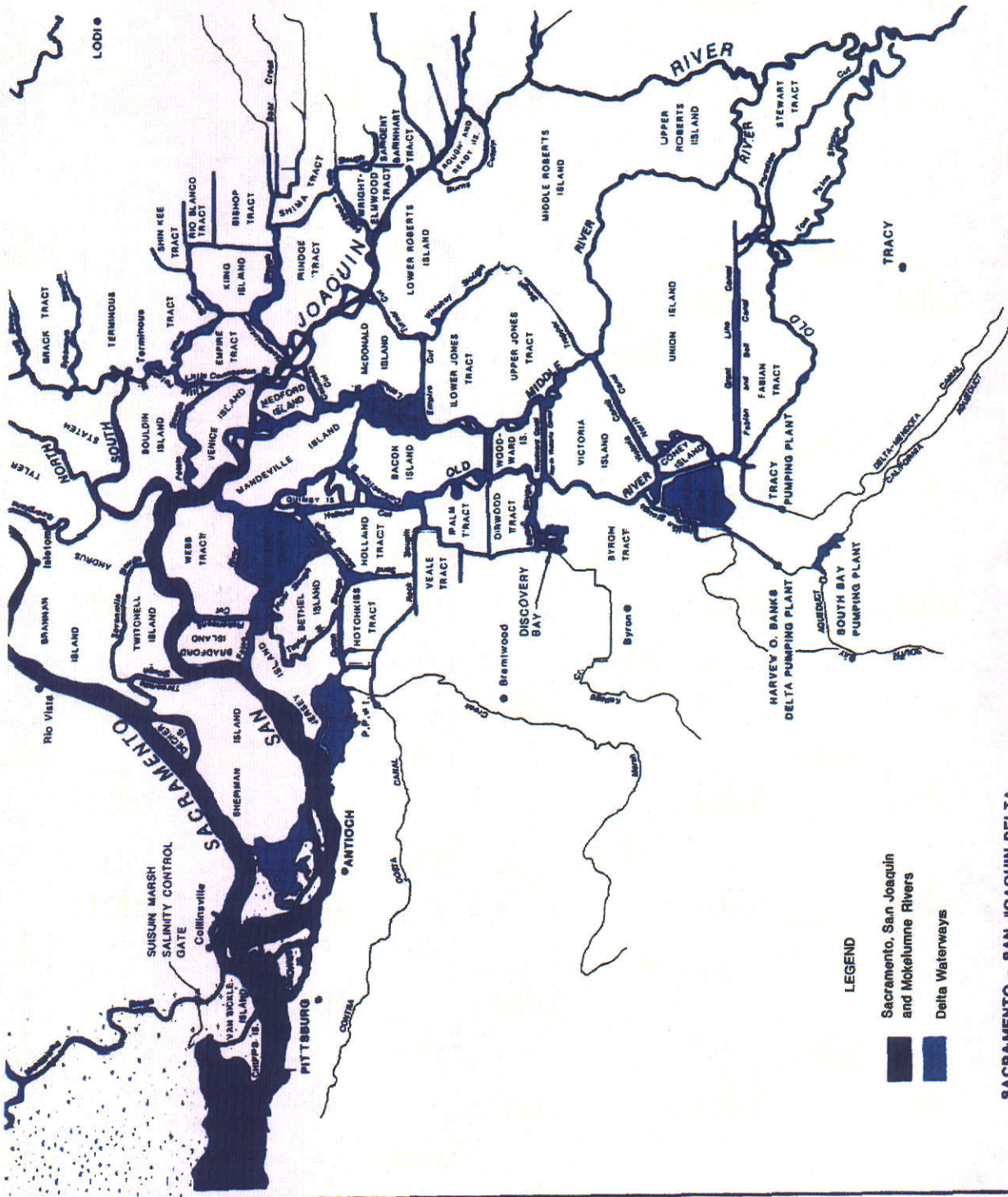
Sacramento-San Joaquin Delta

CALIFORNIA STATE WATER PROJECT

STATE WATER PROJECT (SWP) FACILITIES

-  RIVERS
-  LAKES
-  CVP CANALS AND AQUEDUCTS
-  SWP AQUEDUCT
-  LOCAL EXTENSION
-  STATE-FEDERAL WATER PROJECT
-  CVP FACILITIES
-  STATE WATER PROJECT FACILITIES
-  STATE-FEDERAL WATER PROJECT FACILITIES



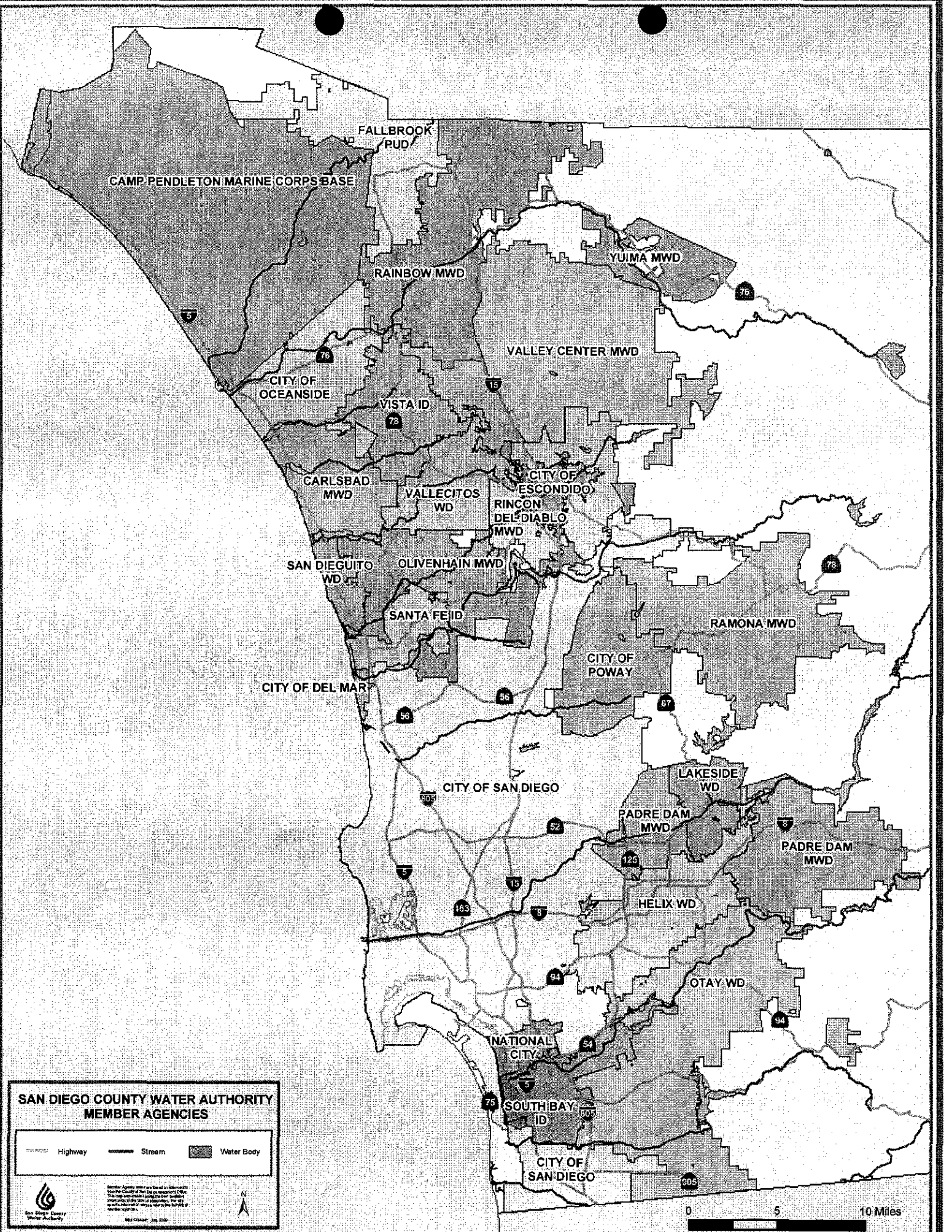


LEGEND

- Sacramento, San Joaquin and Mokelumne Rivers
- Delta Waterways

SACRAMENTO - SAN JOAQUIN DELTA

Delta Waterways



**SAN DIEGO COUNTY WATER AUTHORITY
MEMBER AGENCIES**

Highway
 Stream
 Water Body



Member Agencies are listed as follows on this map. The County of San Diego is a member of the San Diego County Water Authority. The map is for informational purposes only. It is not intended to be used for legal purposes. The map is not a warranty of any kind.





United States Department of the Interior

BUREAU OF RECLAMATION
Mid-Pacific Regional Office
2800 Cottage Way
Sacramento, California 95825-1898

IN REPLY
REFER TO:
MP-100
ENV-1.10

DEC 15 2008

RECEIVED

DEC 15 2008

SACRAMENTO FISH
& WILDLIFE OFFICE

MEMORANDUM

To: Regional Director, Region 8
U.S. Fish and Wildlife Service

From: Donald R. Glaser
Regional Director

Subject: Biological Opinion for Delta Smelt, Dated December 15, 2008

We are in receipt of the Biological Opinion regarding the effects of the continued long-term operation of the Central Valley Project (CVP) and State Water Project (SWP) on delta smelt dated December 15, 2008. We appreciate all the hard work of you and your staff in the Section 7 consultation and preparation of this document.

At this time, the Bureau of Reclamation provisionally accepts the Reasonable and Prudent Alternative (RPA) developed by the U.S. Fish and Wildlife Service (Service) and included in the Biological Opinion conditioned upon the further development and evaluation of the two RPA components directed at habitat. RPA Component 3, the fall action, and RPA Component 4, the tidal habitat restoration action, both need additional review and refinement before Reclamation will be able to determine whether implementation of these actions by the Projects is reasonable and prudent. Further, these actions have the potential to impact listed salmonids; thus, these actions need to be coordinated with the National Marine Fisheries Service (NMFS) through Reclamation's ongoing consultation with NMFS regarding the effects of long-term Project operations.

Reclamation recognizes and appreciates that these Components have been designed with flexibility, and that the adaptive management process described in the Component 3 is intended to refine the action; however, we believe that both Components need to be developed in more detail before Reclamation can unconditionally accept the RPA. Reclamation would like to continue to work with you and your staff regarding how these Components of the RPA will be implemented so that we can better understand the required changes in CVP and SWP operations. If Reclamation, in coordination with the Department of Water Resources, ultimately determines that these two Components are not reasonable and prudent, Reclamation will reinitiate consultation.

Reclamation will begin immediate implementation of the RPA by modifying operations as required to comply with the Biological Opinion. We will notify you as soon as we determine if we can unconditionally accept the Reasonable and Prudent Alternative, or whether reinitiation of consultation is warranted.

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
ORDER WR 2001 - 18 - DWR

IN THE MATTER OF PERMITS 13856 AND 13858
(APPLICATIONS 18085 AND 18087)
TEMPORARY CHANGE INVOLVING THE TRANSFER OF
UP TO 20,000 ACRE-FEET OF WATER
TO CALFED'S ENVIRONMENTAL WATER ACCOUNT
ADMINISTERED BY THE DEPARTMENT OF WATER RESOURCES
UNDER PLACER COUNTY WATER AGENCY'S WATER RIGHT

ORDER AUTHORIZING TEMPORARY CHANGE IN PLACE OF USE,
PURPOSE OF USE, AND POINT OF REDIVERSION
BY THE CHIEF OF THE DIVISION OF WATER RIGHTS:

1.0 SUBSTANCE OF PETITION

On June 15, 2001,

Placer County Water Agency
c/o Einar Maisch, Dir. Strat. Serv.
144 Ferguson Road
Auburn, CA 95670

filed with the State Water Resources Control Board (SWRCB) a Petition for Temporary Change under Water Code section 1725, *et seq.* If approved, the service areas of the State Water Project and Central Valley Project would be temporarily added to the authorized place of use under water right permits 13856 and 13858 held by the Placer County Water Agency (PCWA). The approval would allow a transfer of 20,000 acre-feet of water under PCWA's water rights to CALFED's Environmental Water Account. The temporary change would be effective until December 31, 2001. The use of the transferred water would be administered by the Department of Water Resources as part of CALFED's Environmental Water Account.

2.0 BACKGROUND

2.1 Substance of PCWA's Permits Permit 13856 was issued to PCWA on January 10, 1963. Permit 13856 authorizes PCWA to divert up to 1225 cubic feet per second and collect to storage 249,000 acre-feet from November 1 to July 1 of each year for domestic, irrigation, industrial, municipal and recreational purposes.

Permit 13858 was issued to PCWA on January 10, 1963. Permit 13858 authorizes PCWA to divert up to 800 cubic feet per second and collect to storage 66,000 acre-feet from November 1 to July 1 of each year for domestic, irrigation, industrial, municipal and recreational purposes.

3.0 AVAILABILITY OF WATER FOR TRANSFER

PCWA estimates it will have approximately 186,300 acre-feet of water in storage by June 30, 2001, in its Middle Fork Project reservoirs (French Meadows and Hell Hole reservoirs). This water is stored pursuant to a Federal Energy Regulatory Commission license (Project No. 2079) and water right permits 13855, 13856, 13857, and 13858. Of this amount, 34,800 acre-feet is committed to be delivered to PCWA's contractors or is needed for delivery to PCWA's customers during the proposed transfer period. Of the remaining 151,500 acre-feet, 51,500 acre-feet will be used for power generation and 100,000 acre-feet is reserved for carryover storage for 2002, in the absence of the transfer. Minimum storage under FERC License 2079 is 50,000 acre-feet, leaving a surplus of 50,000 acre-feet available for transfer. PCWA proposes to transfer only 20,000 acre-feet of this surplus.

The 20,000 acre-feet proposed to be released for transfer to the Environmental Water Account is currently in storage and will not be released this year except to the extent the transfer petition is approved. The Department of Water Resources and the US Bureau of Reclamation have agreed that the release of this water from storage is "new water" which would not otherwise be available during this dry year.

In light of the above, I find in accordance with Water Code section 1727(b)(1) that the proposed transfer would not injure any legal user of the water and that the proposed temporary change of water rights involves only the amount of water that would have been consumptively used or stored in the absence of the temporary change.

4.0 ENVIRONMENTAL CONSIDERATIONS

In accordance with Water Code section 1729, temporary changes involving transfer of water are exempt from the requirements of the California Environmental Quality Act (Public Resources Code section 21000, et seq.). However, the SWRCB must consider potential impacts on fish, wildlife and other instream beneficial uses in accordance with Water Code section 1727(b)(2).

The proposed temporary change in place of use, purpose of use, and point of diversion involves water that was previously stored. Since the water proposed for transfer would temporarily benefit fishery resources by providing increased flows and decreased water temperatures in a critically dry year there is no apparent reason why increased flows during the summer would harm fishery resources.

In light of the above, I find that in accordance with Water Code section 1727(b)(2) that the proposed transfer would have no unreasonable effects on fish, wildlife or other instream beneficial uses.

5.0 COMMENTS RECEIVED ON THE PROPOSED TRANSFER/EXCHANGE

Only one comment by the United States Bureau of Reclamation (USBR) was received by the July 19, 2001 deadline date. USBR approved of the transfer and agreed that the transfer would not adversely affect the water rights or operations of the CVP provided PCWA adheres to the refill agreement criteria established by Contract No. 01-WC-20-2034.

6.0 TRANSFER ALLOCATION

The amount authorized for transfer under the submitted petition is 20,000 acre-feet. PCWA has until December 31, 2001 to transfer the above water. Any water transferred prior to the date of this order and after December 31, 2001 is not authorized.

7.0 SWRCB'S DELEGATION OF AUTHORITY

On April 29, 1999, the SWRCB adopted Resolution 99-031, continuing the delegation of authority to approve petitions for temporary changes to the Chief of the Division of Water Rights, provided the necessary statutory findings can be made.

8.0 CONCLUSIONS

There is adequate information in the Division's files to make the evaluation required by Water Code section 1727; and therefore I find as follows:

1. The proposed temporary change will not injure any legal user of the water.
2. The proposed temporary change will not unreasonably affect fish, wildlife, or other instream beneficial uses.
3. The proposed transfer involves only an amount of water that would have been consumptively used or stored in the absence of the temporary change.

ORDER

NOW, THEREFORE, IT IS ORDERED that the petition for temporary change in the point of diversion, place of use and purpose of use under Placer County Water Agency's Permits 13856 and 13858 of up to 20,000 acre-feet of water is approved.

All existing terms and conditions of the subject permit remain in effect, except as temporarily amended by the following provisions:

1. The transfer shall be carried out between the issuance date of this order and December 31, 2001.

2. For the purposes of this transfer, the place of use shall be temporarily changed as follows:

The authorized place of use is temporarily expanded to include the service areas of the State Water Project and Central Valley Project as shown on maps on file with the SWRCB.

3. For the purposes of this transfer, Permits 13856 and 13858 are temporarily amended to include the following additional points of diversion:

Harvey O. Banks Pumping Plant within the NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Projected section 20, T1S, R3E, MDB&M.

CVP Pumping Plant within the SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Projected section 31, T1S, R4E, MDB&M.

4. For the purposes of this transfer, Permits 13856 and 13858 are temporarily amended to include fish and wildlife enhancement.
5. Within 60 days of the completion of the transfer/exchange, but no later than April 1, 2002, the permittee shall provide to the Chief of the Division of Water Rights a report describing the use of the water transferred pursuant to this Order. The report shall include a summary showing the monthly amounts of water actually transferred under this Order.

The report should include the following information:

- a. General locations where the transferred water was used;
 - b. The monthly amounts of water each location received; and
 - c. The average application rate of water in the locations.
6. Permittee shall comply with all existing operation standards at the point of diversion including those contained in Water Right Decision 1641, other applicable water right permits, licenses or orders, and applicable conditions set forth in biological opinions established under the State or Federal Endangered Species Acts.
 7. The refill criteria set forth under contract No. 01-WC-20-2034 between PCWA and USBR dated July 3, 2001, shall govern the conditions which refill occurs for the transferred storage allowed in this order.
 8. Pursuant to Water Code sections 100 and 275 and the common law public trust doctrine, all rights and privileges under this transfer and temporary change Order, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the SWRCB in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use or unreasonable method of diversion of said water.

The continuing authority of the SWRCB also may be exercised by imposing specific requirements over and above those contained in this Order to minimize waste of water and to meet reasonable water requirements without unreasonable draft on the source.

9. This Order does not authorize any act which results in the taking of a threatened or endangered species or any act which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2097) or the federal Endangered Species Act (16 U.S.C.A. sections 1531 to 1544). If a "take" will result from any act authorized under this temporary transfer, the Permittee shall obtain authorization for an incidental take permit prior to construction or operation.

Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the temporary transfer authorized under this Order.

10. I reserve jurisdiction to supervise the transfer, exchange and use of water under this Order, and to coordinate or modify terms and conditions, for the protection of vested rights, fish, wildlife, instream beneficial uses and the public interest as future conditions may warrant.

David L. Bunting
for Harry M. Schueller, Chief
Division of Water Rights

Dated: August 2, 2001



State Water Resources Control Board



Winston H. Hickox
Secretary for
Environmental
Protection

Division of Water Rights
1001 I Street, 14th Floor • Sacramento, California 95814 • (916) 341-5300
Mailing Address: P.O. Box 2000 • Sacramento, California • 95812-2000
FAX (916) 341-3400 • Web Site Address: <http://www.swrcb.ca.gov>
Division of Water Rights: <http://www.waterrights.ca.gov>

Gray Davis
Governor

In Reply Refer
to: 333:BRC:18085,18087

AUG 02 2001

Placer County Water Agency
c/o Elinar Maisch, Dir. Strat. Serv.
144 Ferguson Road
Auburn, CA 95670

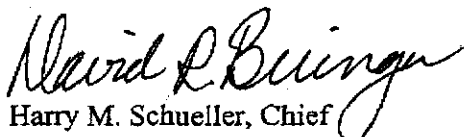
Dear Ms. Maisch:

PERMITS 13856 AND 13858 (APPLICATIONS 18085 AND 18087)
UPPER AMERICAN RIVER IN PLACER COUNTY

Enclosed is a copy of the Order approving temporary changes in the point of redirection, purpose of use, and place of use in response to Placer County Water District's request for a temporary transfer of water under Water Code section 1725, et seq. This transfer of water is limited to a period commencing on the date of the Order through December 31, 2001.

Should you have any questions, please contact Brian Coats, the staff person assigned to this project at (916) 341-5311.

Sincerely,

for 
Harry M. Schueller, Chief
Division of Water Rights

Enclosure

cc: (See attached list)

Placer County Water Agency
c/o Elinar Maisch, Dir. Strat. Serv.
Page 2

CC Mailing List:

Department of Water Resources
c/o Dan Flory
P.O. Box 942836
Sacramento, CA 94236-001

Kronick, Moskovitz, Tiedemann and Girard
c/o Janet Goldsmith
400 Capitol Mall, 27th Floor
Sacramento, CA 95814-3363

Table 16

U.S. Bureau of Reclamation - Central Valley Operations Office
Delta Outflow Computation (values in c.f.s.)

May 2008

Estimated numbers are in bold if italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport	SRTP	Yolo + Misc	East Side Streams	S. Joaquin River@Vernalis	7-day Average	Monthly Average	Total Delta Inflow		Clifton Court (CLT)	Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
1-May-08	8,241	210	715	696	2,997	3,099	2,987	12,859	2,000	803	537	177	85	85	1,518	1,467	9,341	9,737	9,341	9.8%	11.4%	9.9%
2-May-08	8,138	208	716	669	2,987	3,073	3,008	12,719	2,000	696	835	189	60	88	1,748	1,465	8,970	9,405	9,158	11.8%	11.2%	10.0%
3-May-08	8,127	207	689	633	3,029	3,057	3,019	12,685	2,050	695	837	206	50	86	1,774	1,468	8,862	9,146	9,058	11.7%	11.0%	10.2%
4-May-08	7,828	206	676	620	3,041	3,036	3,029	12,371	2,100	690	838	216	50	88	1,782	1,531	8,489	8,909	8,915	11.9%	11.7%	10.9%
5-May-08	6,993	204	663	623	3,057	3,021	3,031	11,540	2,100	688	842	216	85	84	1,745	1,530	7,695	8,623	8,671	12.5%	12.0%	11.1%
6-May-08	7,120	203	656	641	3,043	3,040	3,047	11,663	2,100	690	844	209	53	84	1,774	1,531	7,789	8,490	8,524	12.7%	12.4%	11.3%
7-May-08	7,766	201	654	650	3,126	3,063	3,063	12,397	2,150	688	843	208	67	90	1,761	1,531	8,487	8,519	8,519	11.8%	12.3%	11.5%
8-May-08	8,287	200	643	639	3,155	3,097	3,084	12,924	2,150	692	842	203	56	90	1,772	1,533	9,002	8,471	8,579	11.4%	12.0%	11.6%
9-May-08	7,970	200	657	635	3,231	3,134	3,106	12,693	2,200	699	843	200	63	89	1,770	1,538	8,723	8,435	8,595	11.7%	11.6%	11.7%
10-May-08	8,060	200	680	638	3,283	3,163	3,120	12,861	2,200	694	843	203	50	91	1,781	1,538	8,880	8,438	8,624	11.6%	11.6%	11.9%
11-May-08	7,875	200	668	633	3,246	3,216	3,148	12,622	2,250	684	842	203	50	92	1,771	1,536	8,601	8,454	8,622	11.7%	11.6%	11.9%
12-May-08	7,358	200	642	589	3,429	3,277	3,175	12,218	2,300	686	840	204	53	89	1,765	1,530	8,153	8,519	8,583	12.1%	11.8%	11.9%
13-May-08	8,019	200	636	607	3,472	3,305	3,186	12,934	2,300	688	838	199	66	85	1,745	1,526	8,889	8,676	8,606	11.3%	11.7%	11.8%
14-May-08	8,195	200	611	586	3,317	3,317	3,180	12,909	2,350	690	839	223	76	83	1,760	1,527	8,799	8,721	8,620	11.3%	11.6%	11.7%
15-May-08	8,458	200	619	570	3,240	3,315	3,191	13,087	2,350	698	843	241	92	107	1,798	1,533	8,939	8,712	8,641	11.1%	11.2%	11.6%
16-May-08	8,203	200	647	583	3,215	3,294	3,188	12,848	2,400	489	835	245	89	144	1,624	1,465	8,824	8,726	8,653	9.6%	10.7%	11.0%
17-May-08	7,450	200	669	632	3,138	3,273	3,183	12,089	2,450	697	840	245	0	92	1,875	1,468	7,764	8,567	8,600	12.7%	11.1%	11.3%
18-May-08	7,032	200	723	673	3,100	3,221	3,177	11,728	2,450	690	843	245	50	98	1,826	1,465	7,452	8,403	8,537	12.6%	11.6%	11.4%
19-May-08	7,668	200	778	651	3,068	3,175	3,175	12,365	2,500	695	847	245	100	83	1,771	1,538	8,094	8,394	8,513	11.7%	12.3%	11.9%
20-May-08	7,608	200	852	602	3,147	3,136	3,169	12,408	2,550	522	848	245	93	90	1,610	1,481	8,249	8,303	8,500	10.3%	11.5%	11.1%
21-May-08	7,662	200	885	567	3,046	3,080	3,153	12,370	2,550	873	847	221	97	95	1,940	1,544	7,880	8,172	8,471	13.1%	11.7%	11.5%
22-May-08	9,517	200	888	527	2,844	2,996	3,129	13,976	2,600	695	847	210	102	97	1,747	1,544	9,629	8,270	8,523	10.3%	11.2%	11.4%
23-May-08	10,560	200	860	509	2,632	2,869	3,091	14,761	2,650	1,495	976	214	142	107	2,650	1,911	9,481	8,361	8,564	15.8%	13.1%	14.0%
24-May-08	10,124	200	841	482	2,243	2,702	3,043	13,900	2,700	1,495	1,052	205	76	98	2,775	2,187	8,425	8,456	8,558	17.8%	14.6%	16.2%
25-May-08	11,267	200	827	489	1,932	2,532	2,996	14,715	2,750	1,062	1,045	185	76	87	2,304	2,375	9,661	8,771	8,602	13.8%	15.8%	17.5%
26-May-08	10,712	200	788	510	1,879	2,354	2,954	14,089	2,750	1,499	1,048	180	76	90	2,742	2,401	8,597	8,843	8,602	17.5%	16.3%	17.7%
27-May-08	9,751	200	739	489	1,900	2,176	2,911	13,079	2,800	1,038	1,044	201	0	80	2,363	2,246	7,916	8,796	8,577	15.9%	15.7%	16.7%
28-May-08	9,918	200	704	500	1,805	2,012	2,868	13,127	2,850	1,175	1,045	202	123	66	2,366	2,283	7,911	8,800	8,553	16.0%	16.5%	16.8%
29-May-08	9,880	200	706	472	1,896	1,881	2,828	12,954	2,900	1,188	1,040	201	76	89	2,442	2,177	7,812	8,512	8,520	16.6%	16.2%	16.0%
30-May-08	10,396	200	759	483	1,709	1,798	2,789	13,547	2,950	1,498	1,047	219	74	131	2,821	2,331	7,776	8,271	8,496	18.2%	17.0%	16.9%
31-May-08	10,742	200	794	489	1,662	1,748	2,750	13,887	3,000	1,199	1,043	224	50	112	2,528	2,338	8,359	8,262	8,491	15.8%	16.9%	17.0%
Total	266,925	6,240	22,395	18,097	86,669	89,459	94,785	400,326	75,450	26,793	27,556	6,585	2,179	2,893	61,648	53,534	263,228	267,163	267,814	401.8%	397.2%	397.4%
Average	8,610	201	722	584	2,796	2,886	3,058	12,914	2,434	864	889	212	70	93	1,989	1,727	8,491	8,618	8,618	13.0%	12.8%	12.8%

Table 16

U.S. Bureau of Reclamation - Central Valley Operations Office
Delta Outflow Computation (values in c.f.s.)

June 2008

Estimated numbers are in bold italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport	S RTP	Yolo + Misc	East Side Streams	S. Joaquin River@Vernalis	7-day Average	Monthly Average	Total Delta Inflow		Clifton Court (CLT)	Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBB)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
1-Jun-08	10,754	200	797	496	1,583	1,694	1,505	13,830	3,050	987	1,054	368	50	92	2,450	2,278	8,330	8,072	8,330	14.4%	16.1%	16.4%
2-Jun-08	11,333	200	802	494	1,505	1,637	1,504	14,334	3,100	986	1,042	376	112	86	2,377	2,104	8,857	8,109	8,594	13.4%	14.5%	14.9%
3-Jun-08	11,230	200	800	372	1,502	1,581	1,473	14,104	3,150	988	1,048	375	76	92	2,426	2,035	8,528	8,196	8,572	13.9%	13.9%	14.2%
4-Jun-08	10,487	200	788	338	1,412	1,528	1,436	13,225	3,200	778	979	373	76	99	2,153	1,940	7,872	8,191	8,397	12.7%	13.3%	13.4%
5-Jun-08	10,719	200	812	306	1,324	1,472	1,412	13,361	3,250	797	858	384	78	98	2,058	1,816	8,053	8,254	8,328	11.8%	12.8%	12.6%
6-Jun-08	10,517	200	870	296	1,316	1,411	1,383	13,199	3,300	789	858	399	17	114	2,144	1,686	7,755	8,251	8,232	12.3%	12.3%	11.9%
7-Jun-08	10,560	200	850	291	1,236	1,350	1,350	13,137	3,350	794	851	390	35	114	2,113	1,649	7,674	8,153	8,153	12.2%	12.1%	11.8%
8-Jun-08	10,348	200	818	308	1,152	1,307	1,331	12,826	3,400	990	853	401	45	110	2,309	1,711	7,117	7,979	8,023	14.0%	12.9%	12.5%
9-Jun-08	9,239	200	779	308	1,204	1,263	1,316	11,730	3,450	586	851	392	143	110	1,796	1,641	6,484	7,640	7,852	11.0%	12.5%	11.8%
10-Jun-08	8,554	200	773	291	1,195	1,224	1,289	11,013	3,500	197	425	332	59	114	1,009	1,300	6,504	7,351	7,717	5.1%	10.3%	9.3%
11-Jun-08	9,610	200	790	302	1,140	1,193	1,281	12,042	3,550	197	427	253	78	124	923	894	7,569	7,308	7,704	4.5%	6.9%	6.1%
12-Jun-08	9,990	200	775	325	1,107	1,156	1,263	12,397	3,600	193	423	242	89	134	902	620	7,895	7,285	7,720	4.2%	4.8%	4.2%
13-Jun-08	10,436	200	794	348	1,060	1,153	1,259	12,838	3,650	398	854	315	86	124	1,605	831	7,583	7,261	7,709	9.1%	6.0%	5.7%
14-Jun-08	10,408	200	801	341	1,210	1,192	1,271	12,960	3,700	398	859	412	76	124	1,716	1,042	7,544	7,242	7,697	9.1%	7.5%	7.4%
15-Jun-08	10,516	200	818	326	1,428	1,225	1,282	13,288	3,750	390	857	426	76	120	1,718	1,252	7,820	7,343	7,706	8.8%	9.0%	9.1%
16-Jun-08	11,103	200	812	318	1,438	1,266	1,294	13,871	3,800	988	857	444	100	116	2,306	1,449	7,765	7,526	7,709	12.6%	10.2%	10.6%
17-Jun-08	10,829	200	832	277	1,478	1,294	1,287	13,616	3,850	992	856	394	67	120	2,295	1,647	7,471	7,664	7,695	13.1%	11.5%	12.2%
18-Jun-08	11,013	200	834	251	1,339	1,342	1,305	13,837	3,900	997	853	406	67	115	2,304	1,847	7,433	7,644	7,681	13.1%	12.9%	13.8%
19-Jun-08	11,090	200	846	215	1,440	1,323	1,285	13,791	3,950	796	928	412	94	119	2,163	1,808	7,678	7,613	7,681	11.8%	12.7%	13.4%
20-Jun-08	11,415	200	818	231	926	1,278	1,265	13,590	4,000	795	1,018	421	93	129	2,271	1,796	7,319	7,578	7,662	12.7%	12.5%	13.3%
21-Jun-08	12,165	200	826	290	897	1,199	1,247	14,378	4,050	789	1,019	439	76	123	2,294	1,782	8,034	7,646	7,680	12.0%	12.2%	13.0%
22-Jun-08	12,566	200	840	311	877	1,122	1,231	14,794	4,100	980	1,024	439	50	156	2,548	1,875	8,146	7,692	7,701	13.2%	12.6%	13.7%
23-Jun-08	12,343	200	840	294	894	1,041	1,217	14,571	4,100	1,198	1,018	438	41	154	2,768	2,009	7,703	7,883	7,701	14.9%	13.4%	14.6%
24-Jun-08	12,562	200	839	258	914	984	1,206	14,773	4,150	1,185	1,491	440	55	125	3,185	2,299	7,438	7,879	7,690	17.7%	15.3%	16.5%
25-Jun-08	12,551	200	842	253	938	912	1,195	14,784	4,200	1,184	1,014	448	61	122	2,707	2,363	7,877	7,742	7,698	14.5%	15.7%	16.7%
26-Jun-08	12,120	200	860	286	939	923	1,187	14,405	4,200	998	1,013	446	68	125	2,514	2,295	7,691	7,744	7,698	13.5%	15.2%	16.0%
27-Jun-08	11,925	200	837	320	999	941	1,181	14,281	4,250	987	1,020	433	66	123	2,497	2,072	7,534	7,775	7,692	13.6%	13.9%	14.3%
28-Jun-08	11,639	200	812	320	1,026	956	1,174	13,997	4,250	974	1,021	423	50	120	2,488	2,005	7,259	7,664	7,676	13.9%	13.7%	13.8%
29-Jun-08	12,118	200	792	321	980	971	1,188	14,411	4,300	1,019	1,020	406	50	123	2,518	2,014	7,593	7,585	7,673	13.8%	13.8%	13.8%
30-Jun-08	12,589	200	785	286	1,003	988	1,164	14,843	4,300	1,189	1,535	411	117	114	3,132	2,253	7,411	7,543	7,665	17.6%	15.1%	15.3%
Total	332,709	6,000	24,482	9,373	35,462	36,925	38,779	408,026	112,400	24,539	27,925	11,838	2,153	3,541	65,690	52,311	229,936	231,410	236,037	364.8%	365.4%	372.4%
Average	11,090	200	816	312	1,182	1,231	1,293	13,601	3,747	818	931	395	72	118	2,190	1,744	7,665	7,714	7,665	12.2%	12.2%	12.4%

Table 16

U.S. Bureau of Reclamation - Central Valley Operations Office
Delta Outflow Computation (values in c.f.s.)

July 2007

Estimated numbers are in bold italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport	S RTP	Yolo + Misc	East Side Streams	S. Joaquin River@Vernalis	Total Delta	7-day Average	Monthly Average		Clifton Court (CLT)	Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
	-prev day-	-prev wk-	-prev day-	-prev day-	-prev day-																	
1-Jul-07	18,552	209	658	313	1,224	1,299	1,288	20,956	4,300	6,668	3,926	418	76	136	11,072	7,099	5,584	7,349	5,584	50.2%	36.3%	41.1%
2-Jul-07	19,165	209	658	332	1,286	1,287	1,283	21,652	4,300	6,362	4,452	426	110	133	11,261	8,952	6,071	7,196	5,827	49.5%	42.9%	50.5%
3-Jul-07	19,933	208	657	325	1,297	1,243	1,191	22,420	4,350	5,339	4,442	428	82	135	10,261	10,402	7,809	7,291	6,488	43.3%	47.6%	57.3%
4-Jul-07	20,001	208	652	295	987	1,190	1,133	22,143	4,350	5,593	4,385	431	86	135	10,458	10,197	7,335	7,298	6,700	44.7%	45.8%	54.8%
5-Jul-07	19,583	207	652	312	960	1,143	1,103	21,694	4,400	5,611	4,440	430	60	134	10,555	9,937	6,740	7,206	6,708	46.1%	44.6%	52.4%
6-Jul-07	18,367	207	652	324	983	1,104	1,084	20,533	4,400	5,830	4,358	385	75	132	10,631	10,072	5,502	6,898	6,507	49.3%	46.8%	52.4%
7-Jul-07	17,706	206	648	325	989	1,062	1,062	19,875	4,400	5,025	4,346	403	71	127	9,831	9,870	5,645	6,384	6,384	46.8%	47.3%	50.8%
8-Jul-07	17,819	206	635	344	929	1,013	1,048	19,933	4,400	5,780	4,344	425	60	121	10,610	9,894	4,923	6,289	6,201	50.5%	48.9%	50.2%
9-Jul-07	17,616	206	621	332	948	977	1,047	19,723	4,400	5,990	4,354	442	10	117	10,893	9,947	4,430	6,055	6,004	52.4%	49.9%	50.0%
10-Jul-07	17,300	206	613	313	1,045	969	1,036	19,477	4,400	5,990	4,406	436	84	128	10,877	10,288	4,200	5,539	5,824	53.0%	51.9%	51.3%
11-Jul-07	17,888	206	604	301	929	974	1,032	19,928	4,400	6,661	4,385	434	59	128	11,549	10,585	3,979	5,060	5,656	55.1%	53.5%	52.2%
12-Jul-07	18,139	206	608	304	992	978	1,030	20,249	4,400	6,456	4,386	416	79	124	11,303	10,761	4,546	4,746	5,564	53.2%	53.7%	52.4%
13-Jul-07	19,317	206	595	306	1,013	981	1,029	21,437	4,400	5,946	4,391	412	0	126	10,874	10,741	6,163	4,841	5,610	48.2%	52.1%	51.7%
14-Jul-07	19,739	206	578	302	1,011	999	1,030	21,836	4,400	6,927	4,365	407	50	130	11,779	10,823	5,657	4,843	5,613	51.5%	50.9%	51.7%
15-Jul-07	19,418	206	555	319	1,053	1,016	1,033	21,551	4,400	7,158	4,354	419	50	132	12,012	11,047	5,139	4,873	5,582	53.2%	51.0%	52.7%
16-Jul-07	19,763	206	541	342	1,069	1,024	1,037	21,921	4,400	7,147	4,353	422	197	132	11,857	11,435	5,664	5,050	5,587	51.6%	52.1%	54.2%
17-Jul-07	19,535	206	539	330	1,102	1,034	1,035	21,712	4,400	7,163	4,376	431	79	128	12,019	11,517	5,293	5,206	5,569	52.8%	52.5%	54.7%
18-Jul-07	19,905	206	529	286	997	1,027	1,030	21,923	4,400	7,167	4,382	427	80	121	12,017	11,529	5,506	5,424	5,566	52.3%	52.2%	54.7%
19-Jul-07	19,708	206	556	275	946	1,024	1,028	21,691	4,400	6,960	4,367	432	54	112	11,816	11,472	5,475	5,557	5,561	52.0%	52.4%	54.7%
20-Jul-07	19,763	206	521	279	988	1,017	1,024	21,757	4,350	7,178	4,363	414	53	126	12,029	11,472	5,378	5,445	5,552	52.8%	52.4%	54.5%
21-Jul-07	19,960	206	519	292	963	1,001	1,020	21,940	4,350	6,274	4,391	238	50	131	10,984	11,178	6,606	5,580	5,602	48.4%	51.0%	52.8%
22-Jul-07	20,370	206	525	314	941	995	1,021	22,356	4,350	7,160	4,379	207	50	131	11,827	11,248	6,179	5,729	5,628	51.4%	50.9%	52.7%
23-Jul-07	20,302	206	528	327	1,030	986	1,022	22,393	4,350	7,175	4,385	241	114	128	11,814	11,255	6,229	5,810	5,655	51.1%	50.3%	52.2%
24-Jul-07	19,958	206	548	311	1,036	1,006	1,027	22,059	4,350	7,170	4,418	238	58	128	11,896	11,562	5,813	5,884	5,661	52.3%	51.6%	53.1%
25-Jul-07	19,300	206	536	286	1,140	1,034	1,031	21,468	4,300	6,584	4,458	239	58	125	11,348	11,397	5,820	5,929	5,667	51.2%	51.5%	52.1%
26-Jul-07	18,887	206	536	291	1,140	1,050	1,034	21,060	4,300	7,084	4,443	223	60	126	11,816	11,386	4,944	5,853	5,640	54.4%	52.6%	52.0%
27-Jul-07	18,652	206	536	287	1,100	1,061	1,034	20,781	4,300	7,177	4,467	214	64	132	11,926	11,404	4,555	5,735	5,600	55.7%	53.8%	52.2%
28-Jul-07	18,490	206	532	288	1,040	1,072	1,033	20,556	4,250	7,125	4,427	218	60	126	11,836	11,574	4,470	5,430	5,559	55.9%	55.4%	53.2%
29-Jul-07	18,430	206	528	288	1,019	1,078	1,035	20,471	4,250	7,144	4,464	217	76	126	11,876	11,601	4,345	5,168	5,517	56.3%	56.0%	53.5%
30-Jul-07	18,449	206	526	276	1,071	1,085	1,036	20,528	4,250	7,186	4,434	239	52	126	11,933	11,593	4,345	4,899	5,478	56.4%	56.2%	53.7%
31-Jul-07	18,049	206	543	268	1,082	1,066	1,036	20,148	4,200	7,173	4,420	234	66	119	11,878	11,607	4,070	4,650	5,433	57.2%	56.6%	54.0%
Total	590,044	6,398	17,930	9,487	32,312	32,795	32,919	656,171	134,900	204,222	135,862	10,944	2,124	3,951	352,855	333,858	168,416	179,215	179,526	1598.5%	1570.3%	1625.7%
Average	19,034	206	578	306	1,042	1,058	1,062	21,167	4,352	6,588	4,383	353	69	127	11,382	10,770	5,433	5,781	5,781	51.6%	50.7%	52.4%

Table 16

U.S. Bureau of Reclamation - Central Valley Operations Office
Delta Outflow Computation (values in c.f.s.)

August 2007

Estimated numbers are in bold italic print

Date	DELTA INFLOW									NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport	S RTP	Yolo + Misc	East Side Streams	S. Joaquin River@Yermalis	7-day Average	Monthly Average	Total Delta Inflow	Clifton Court (CLT)		Tracy (TRA)	Contra Costa (CCC)	Byron Belhany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)	
1-Aug-07	17,397	206	528	300	1,013	1,033	905	19,444	4,200	7,144	4,413	230	42	119	11,865	11,590	3,379	4,301	3,379	59.2%	57.6%	54.4%	
2-Aug-07	17,218	206	525	312	905	1,016	942	19,166	4,200	7,173	4,458	242	87	127	11,912	11,594	3,054	4,031	3,216	60.2%	58.9%	54.9%	
3-Aug-07	16,959	207	534	327	979	1,006	952	19,006	4,150	7,164	4,459	238	53	127	11,934	11,604	2,921	3,798	3,118	60.9%	60.1%	55.5%	
4-Aug-07	17,347	207	553	335	973	1,011	978	19,415	4,150	5,959	4,452	256	50	128	10,744	11,222	4,521	3,805	3,469	53.4%	58.1%	54.1%	
5-Aug-07	17,138	207	557	365	1,056	1,018	1,006	19,323	4,100	7,167	4,459	215	50	125	11,915	11,220	3,308	3,657	3,437	59.9%	58.0%	54.7%	
6-Aug-07	16,574	207	559	389	1,116	1,018	1,019	18,845	4,100	7,171	4,385	199	0	123	11,677	11,197	2,868	3,446	3,342	61.3%	58.2%	55.4%	
7-Aug-07	17,508	208	550	372	1,087	1,026	1,026	19,725	4,050	7,178	4,372	204	50	123	11,827	11,577	3,848	3,414	3,414	58.3%	59.8%	57.7%	
8-Aug-07	17,579	208	533	317	1,069	1,051	1,033	19,706	4,050	7,172	4,434	212	69	126	11,875	11,570	3,781	3,472	3,460	58.5%	59.4%	58.0%	
9-Aug-07	17,333	208	515	292	1,077	1,070	1,041	19,425	4,000	7,171	4,461	203	59	124	11,900	11,596	3,525	3,539	3,467	59.6%	58.8%	58.4%	
10-Aug-07	17,901	206	571	318	1,110	1,083	1,044	20,108	4,000	7,168	4,444	191	74	130	11,860	11,617	4,248	3,729	3,545	57.4%	58.5%	58.6%	
11-Aug-07	18,316	208	621	324	1,068	1,072	1,038	20,537	3,950	6,573	4,430	175	76	126	11,229	11,416	5,358	3,848	3,710	53.2%	56.7%	57.6%	
12-Aug-07	18,092	208	621	344	975	1,055	1,035	20,240	3,950	7,155	4,423	152	50	125	11,805	11,398	4,485	4,016	3,775	57.0%	55.8%	57.6%	
13-Aug-07	18,417	208	627	355	1,001	1,051	1,036	20,608	3,900	7,164	4,373	130	65	125	11,726	11,373	4,982	4,318	3,868	55.7%	55.3%	57.4%	
14-Aug-07	18,721	208	640	330	1,056	1,041	1,034	20,955	3,850	7,171	4,422	155	42	122	11,833	11,571	5,272	4,522	3,968	55.1%	55.9%	58.3%	
15-Aug-07	18,489	208	642	316	1,002	1,019	1,026	20,657	3,850	7,187	4,441	155	32	122	11,872	11,588	4,935	4,687	4,032	56.1%	55.8%	58.2%	
16-Aug-07	18,438	208	654	318	919	986	1,017	20,537	3,800	7,174	4,453	137	57	126	11,833	11,618	4,904	4,884	4,087	56.3%	55.9%	58.1%	
17-Aug-07	18,274	208	665	314	878	963	1,011	20,339	3,800	7,175	4,443	132	81	127	11,795	11,624	4,744	4,954	4,126	56.7%	56.4%	57.7%	
18-Aug-07	17,756	208	661	322	909	963	1,009	19,856	3,750	7,167	4,444	126	53	122	11,806	11,618	4,300	4,803	4,135	58.2%	57.1%	57.6%	
19-Aug-07	16,743	208	646	320	975	963	1,008	18,892	3,700	7,176	4,420	123	50	123	11,792	11,608	3,400	4,648	4,087	61.1%	58.8%	57.6%	
20-Aug-07	16,887	208	629	326	1,004	965	1,011	19,054	3,700	7,171	4,313	124	0	122	11,729	11,564	3,825	4,454	4,073	60.3%	59.8%	57.5%	
21-Aug-07	16,819	208	640	302	1,069	973	1,013	19,038	3,650	7,168	4,391	114	12	123	11,784	11,547	3,604	4,216	4,051	60.7%	60.7%	57.6%	
22-Aug-07	16,281	208	642	286	1,054	980	1,012	18,471	3,600	7,173	4,446	108	42	128	11,812	11,554	3,059	3,948	4,006	62.7%	61.2%	57.9%	
23-Aug-07	16,202	208	655	292	972	999	1,011	18,329	3,600	7,169	4,429	94	53	129	11,767	11,592	2,962	3,671	3,960	63.0%	62.1%	58.3%	
24-Aug-07	16,226	208	661	285	1,008	1,017	1,013	18,388	3,550	7,171	4,488	87	54	129	11,821	11,625	3,017	3,424	3,921	63.1%	62.9%	58.7%	
25-Aug-07	16,341	208	670	296	1,040	1,025	1,013	18,555	3,500	5,996	4,392	87	50	125	10,549	11,215	4,508	3,453	3,944	55.7%	60.6%	57.0%	
26-Aug-07	16,354	208	666	321	1,029	1,035	1,016	18,578	3,450	5,998	4,408	84	50	127	10,567	10,818	4,561	3,619	3,968	55.7%	58.2%	55.4%	
27-Aug-07	16,297	208	639	318	1,073	1,035	1,017	18,535	3,450	5,502	4,381	84	0	123	10,090	10,226	4,986	3,815	4,006	53.3%	54.9%	52.8%	
28-Aug-07	16,117	208	606	305	1,066	1,017	1,014	18,302	3,400	5,494	4,372	77	46	120	10,017	10,052	4,885	3,988	4,037	53.7%	54.2%	52.4%	
29-Aug-07	15,997	208	603	299	934	1,009	1,011	18,041	3,350	5,490	4,417	76	27	126	10,082	9,886	4,609	4,219	4,057	54.8%	53.9%	52.1%	
30-Aug-07	15,928	208	581	273	915	996	1,008	17,905	3,300	5,488	4,443	72	55	125	10,072	9,901	4,533	4,444	4,073	55.2%	54.5%	52.6%	
31-Aug-07	16,000	208	587	291	918	977	1,005	18,004	3,250	5,496	4,394	74	62	133	10,035	9,909	4,719	4,687	4,094	54.6%	54.8%	53.1%	
Total	531,649	6,440	18,781	9,864	31,250	31,474	31,305	597,984	117,350	209,731	137,059	4,555	1,494	3,871	353,723	348,489	126,911	125,821	117,836	1790.9%	1792.5%	1747.5%	
Average	17,150	208	606	318	1,008	1,015	1,010	19,290	3,785	6,768	4,421	147	48	125	11,410	11,242	4,094	4,059		57.8%	57.8%	56.4%	

Table 16

U.S. Bureau of Reclamation - Central Valley Operations Office
Delta Outflow Computation (values in c.f.s.)

September 2007

Estimated numbers are in bold italic print

Date	DELTA INFLOW								NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport -prev day-	SRTP -prev wk-	Yolo + Misc -prev day-	East Side Streams -prev day-	S. Joaquin River@Vernalis -prev day-	7-day Average	Monthly Average	Total Delta Inflow		Clifton Court (CLT)	Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)
1-Sep-07	16,200	208	589	310	905	962	924	18,212	3,200	5,989	4,373	80	50	130	10,522	10,061	4,490	4,685	4,490	56.6%	55.5%	54.2%
2-Sep-07	16,500	208	610	323	924	948	948	18,565	3,200	5,989	4,379	83	50	128	10,529	10,207	4,636	4,724	4,683	55.6%	55.8%	55.1%
3-Sep-07	16,800	207	610	338	971	953	999	18,924	3,150	5,988	4,367	83	50	128	10,514	10,361	5,260	4,762	4,682	54.4%	55.5%	56.0%
4-Sep-07	16,300	207	590	328	1,103	963	1,002	18,526	3,100	5,990	4,385	70	36	130	10,518	10,359	4,908	4,765	4,874	55.7%	55.2%	56.1%
5-Sep-07	16,000	207	566	318	1,008	968	991	18,099	3,050	5,991	4,350	64	34	130	10,501	10,350	4,548	4,756	4,808	56.9%	55.7%	56.2%
6-Sep-07	16,500	207	549	314	950	979	982	18,520	3,000	5,985	4,405	60	55	127	10,522	10,362	4,997	4,823	4,840	55.8%	56.1%	56.2%
7-Sep-07	16,862	206	515	291	993	997	997	18,867	2,950	5,989	4,386	62	50	127	10,513	10,369	5,405	4,921	4,921	54.7%	55.8%	56.1%
8-Sep-07	16,856	206	533	264	1,027	1,012	1,001	18,886	2,900	5,990	4,381	63	50	129	10,493	10,372	5,493	5,064	4,992	54.5%	55.0%	56.0%
9-Sep-07	17,220	206	521	236	1,035	1,022	1,005	19,218	2,900	5,989	4,406	75	38	125	10,557	10,374	5,761	5,196	5,077	53.9%	54.4%	55.9%
10-Sep-07	17,040	206	508	240	1,036	1,015	1,010	19,030	2,850	5,993	4,319	71	50	126	10,458	10,353	5,722	5,262	5,142	53.9%	54.1%	55.7%
11-Sep-07	17,106	206	505	241	1,053	1,012	1,008	19,111	2,800	5,991	4,407	66	35	124	10,553	10,369	5,758	5,383	5,198	54.2%	54.0%	55.6%
12-Sep-07	16,801	206	500	235	991	1,015	1,005	18,733	2,750	4,992	4,352	63	15	116	9,508	10,018	6,475	5,659	5,304	49.8%	52.7%	53.6%
13-Sep-07	16,049	206	474	232	970	1,009	1,001	17,931	2,700	4,992	4,358	63	53	116	9,477	9,698	5,754	5,767	5,339	51.8%	52.0%	51.9%
14-Sep-07	16,744	206	453	238	953	994	995	18,596	2,650	4,999	4,328	63	27	113	9,476	9,340	6,470	5,919	5,420	50.0%	50.5%	49.9%
15-Sep-07	16,606	206	429	235	920	986	994	18,396	2,600	4,993	4,363	59	25	115	9,504	9,344	6,292	6,033	5,478	50.7%	50.8%	49.9%
16-Sep-07	15,970	206	424	239	980	983	995	17,819	2,600	4,985	4,328	60	30	114	9,456	9,332	5,763	6,033	5,496	52.1%	50.9%	50.0%
17-Sep-07	16,316	206	399	234	1,011	980	997	18,166	2,550	4,486	4,005	55	62	117	8,601	9,053	7,015	8,218	5,585	46.4%	49.7%	48.6%
18-Sep-07	15,977	206	385	208	1,032	977	996	17,808	2,500	4,484	4,157	56	23	118	8,792	8,815	6,516	6,327	5,637	48.4%	48.9%	47.4%
19-Sep-07	15,363	206	433	181	971	972	993	17,154	2,450	4,490	4,342	56	45	120	8,963	8,655	5,741	6,222	5,642	51.2%	48.6%	46.7%
20-Sep-07	14,877	206	467	174	939	968	990	16,663	2,450	4,496	4,300	57	25	106	8,933	8,756	5,280	6,154	5,624	52.6%	50.7%	47.6%
21-Sep-07	15,828	206	447	185	926	968	986	17,592	2,400	4,495	4,356	62	3	104	9,014	8,826	6,178	6,112	5,691	50.3%	51.4%	48.3%
22-Sep-07	15,321	206	417	181	920	964	985	17,045	2,350	5,490	4,271	76	15	105	9,927	9,136	4,768	5,895	5,610	57.2%	53.3%	50.4%
23-Sep-07	14,907	206	364	199	950	976	990	16,626	1,209	5,034	4,287	79	25	100	9,476	9,311	5,941	5,920	5,625	55.9%	54.4%	51.9%
24-Sep-07	14,547	206	316	190	1,096	992	996	16,355	1,159	4,494	4,294	96	0	99	8,983	9,290	6,213	5,805	5,649	53.7%	55.6%	52.4%
25-Sep-07	14,395	206	281	186	1,139	1,012	1,001	16,207	1,109	5,499	4,325	95	15	101	10,005	9,311	5,093	5,602	5,627	60.5%	56.7%	53.1%
26-Sep-07	14,306	206	250	190	1,115	1,026	1,002	16,067	1,109	5,493	4,340	123	13	93	10,036	9,482	4,922	5,485	5,600	61.1%	58.4%	54.7%
27-Sep-07	13,849	206	278	189	1,034	1,037	1,002	15,556	1,059	5,975	4,358	147	12	107	10,577	9,997	3,920	5,291	5,538	66.4%	62.6%	58.2%
28-Sep-07	13,296	206	330	187	1,003	1,055	1,004	15,022	2,200	5,493	4,318	155	22	114	10,058	9,992	2,764	4,803	5,439	65.2%	64.2%	59.1%
29-Sep-07	11,997	206	438	185	1,051	1,081	1,008	13,877	2,150	3,968	4,300	154	20	147	8,549	9,471	3,178	4,576	5,361	59.4%	63.8%	57.1%
30-Sep-07	12,707	206	448	184	1,132	1,091	1,013	14,675	2,150	5,489	4,303	149	0	99	10,040	9,290	2,485	4,082	5,285	66.7%	63.9%	56.8%
Total	469,242	6,188	13,627	7,051	30,138	29,918	29,829	526,246	73,245	160,231	129,803	2,442	932	3,508	295,053	290,654	157,949	162,244	158,757	1656.0%	1648.3%	1600.6%
Average	15,641	206	454	235	1,005	997	994	17,542	2,441	5,341	4,327	81	31	117	9,835	9,688	5,285	5,408	5,285	55.2%	54.9%	53.4%

Table 16

U.S. Bureau of Reclamation - Central Valley Operations Office
Delta Outflow Computation (values in c.f.s.)

October 2007

Estimated numbers are in bold italic print

Date	DELTA INFLOW									NDCU	DELTA EXPORTS							OUTFLOW INDEX			Export/Inflow		
	Sacto R @Freeport	S RTP	Yolo + Misc	East Side Streams	S. Joaquin River@Vernalis			Total Delta Inflow	Clifton Court (CLT)		Tracy (TRA)	Contra Costa (CCC)	Byron Bethany (BBID)	NBA	Total Delta Exports	3-day Avg TRA & CLT	NDOI daily	7-day Avg	Monthly Avg	Daily (%)	3 Day (%)	14 Day (%)	
	-prev day-	-prev wk-	-prev day-	-prev day-	-prev day-	Average	Average	Inflow															
1-Oct-07	12,207	206	393	180	1,166	1,107	1,248	14,152	2,150	4,497	4,322	148	0	76	9,042	8,959	2,960	3,818	2,960	62.3%	62.9%	55.8%	
2-Oct-07	12,176	205	345	810	1,248	1,116	1,212	14,784	2,100	4,494	4,331	147	18	54	9,009	9,145	3,675	3,415	3,318	59.6%	62.9%	57.7%	
3-Oct-07	12,011	204	300	483	1,175	1,130	1,187	14,173	2,050	3,995	4,323	104	16	66	8,472	8,654	3,651	3,233	3,429	58.6%	60.1%	55.3%	
4-Oct-07	11,794	203	276	328	1,138	1,146	1,169	13,739	2,050	3,498	4,274	147	7	79	7,991	8,305	3,698	3,202	3,496	66.5%	58.3%	53.8%	
5-Oct-07	11,793	202	269	310	1,113	1,149	1,149	13,687	2,000	3,498	4,263	131	24	94	7,961	7,950	3,728	3,339	3,542	56.5%	57.2%	52.4%	
6-Oct-07	12,385	201	265	292	1,073	1,149	1,146	14,216	2,000	2,991	4,357	112	0	95	7,556	7,627	4,060	3,551	3,728	51.7%	54.9%	51.0%	
7-Oct-07	11,917	200	305	289	1,131	1,155	1,155	13,842	1,950	2,998	4,345	111	15	75	7,513	7,484	4,379	3,821	3,821	52.9%	53.7%	50.7%	
8-Oct-07	11,575	199	313	258	1,209	1,150	1,162	13,554	1,950	2,995	4,270	112	50	68	7,395	7,319	4,209	4,000	3,870	53.2%	52.8%	50.2%	
9-Oct-07	11,464	199	314	250	1,209	1,145	1,160	13,438	1,950	2,992	4,276	111	0	60	7,439	7,292	4,047	4,053	3,889	54.1%	53.4%	50.7%	
10-Oct-07	10,750	199	306	250	1,143	1,139	1,154	12,648	1,900	2,990	4,257	111	12	58	7,404	7,260	3,344	4,099	3,835	57.2%	54.8%	51.4%	
11-Oct-07	11,540	199	286	270	1,097	1,139	1,150	13,392	302	3,498	4,259	113	8	58	7,921	7,424	5,169	4,219	3,956	57.9%	56.4%	53.2%	
12-Oct-07	11,629	199	225	253	1,112	1,149	1,149	13,418	302	3,486	4,230	111	6	47	7,869	7,573	5,247	4,436	4,064	57.5%	57.5%	54.7%	
13-Oct-07	10,750	199	196	264	1,145	1,182	1,165	12,554	-1,751	3,489	4,181	112	5	43	7,820	7,714	6,485	4,987	4,250	61.1%	58.7%	56.1%	
14-Oct-07	10,632	199	147	265	1,356	1,211	1,183	12,599	-1,801	3,497	4,202	111	0	63	7,873	7,695	6,527	5,004	4,413	61.1%	59.8%	56.6%	
15-Oct-07	10,515	199	112	255	1,412	1,238	1,197	12,493	-1,801	3,498	4,290	103	4	80	7,967	7,719	6,327	5,306	4,540	62.3%	61.5%	57.3%	
16-Oct-07	9,880	199	102	252	1,400	1,268	1,207	11,833	-204	2,996	4,222	96	7	65	7,371	7,589	4,666	5,395	4,548	60.9%	61.5%	57.1%	
17-Oct-07	9,858	199	86	248	1,357	1,309	1,218	11,748	-432	2,987	4,225	83	5	63	7,352	7,406	4,829	5,607	4,565	61.3%	61.5%	56.6%	
18-Oct-07	10,330	199	20	250	1,384	1,378	1,238	12,183	1,572	3,489	4,212	82	8	64	7,840	7,377	2,771	5,264	4,465	63.2%	61.8%	56.8%	
19-Oct-07	10,608	199	20	253	1,589	1,461	1,264	12,669	1,572	3,492	4,251	93	6	69	7,900	7,552	3,197	4,972	4,398	61.1%	61.9%	58.5%	
20-Oct-07	10,175	199	0	263	1,726	1,510	1,286	12,363	1,572	2,987	4,247	93	0	72	7,398	7,560	3,393	4,530	4,348	58.5%	60.9%	59.2%	
21-Oct-07	10,306	199	0	275	1,703	1,550	1,305	12,483	1,572	2,981	4,238	91	0	54	7,364	7,399	3,547	4,104	4,310	57.8%	59.2%	58.4%	
22-Oct-07	10,068	199	0	277	1,688	1,591	1,323	12,232	1,800	2,990	4,209	104	0	73	7,376	7,217	3,056	3,637	4,253	58.9%	58.4%	57.4%	
23-Oct-07	10,372	199	0	271	1,690	1,638	1,338	12,532	1,750	2,498	4,220	112	24	82	6,888	7,045	3,894	3,527	4,237	53.4%	56.7%	56.3%	
24-Oct-07	10,401	199	0	259	1,683	1,685	1,354	12,542	1,750	2,498	4,278	126	10	91	6,984	6,898	3,808	3,381	4,219	54.0%	55.4%	55.1%	
25-Oct-07	9,940	199	0	251	1,716	1,720	1,373	12,106	1,750	2,495	4,241	135	14	98	6,955	6,743	3,401	3,471	4,187	55.5%	54.3%	54.2%	
26-Oct-07	9,597	199	0	269	1,834	1,752	1,395	11,899	1,750	2,495	4,253	121	8	103	6,965	6,754	3,184	3,469	4,148	56.6%	55.4%	54.8%	
27-Oct-07	9,414	199	0	285	1,951	1,821	1,425	11,849	1,750	1,992	4,202	101	0	103	6,398	6,559	3,701	3,513	4,131	52.3%	54.8%	53.5%	
28-Oct-07	9,385	199	0	284	2,186	1,909	1,456	12,054	1,750	1,994	4,202	114	0	95	6,405	6,379	3,899	3,563	4,123	51.4%	53.4%	52.2%	
29-Oct-07	9,953	199	0	290	2,302	1,997	1,485	12,744	1,700	2,497	4,253	81	17	106	6,920	6,380	4,124	3,716	4,123	52.8%	52.2%	52.1%	
30-Oct-07	8,951	199	0	283	2,304	2,083	1,512	11,737	1,700	2,498	4,257	106	13	106	6,954	6,567	3,083	3,600	4,088	57.4%	53.8%	53.6%	
31-Oct-07	9,788	199	4	273	2,290	2,172	1,539	12,554	1,700	2,991	4,200	115	7	99	7,398	6,899	3,456	3,550	4,068	57.2%	55.9%	56.1%	
Total	332,164	6,197	4,284	9,040	46,530	44,149	39,306	398,215	38,402	86,296	131,891	3,438	282	2,360	233,703	230,426	126,111	125,201	125,321	1774.9%	1781.6%	1698.6%	
Average	10,715	200	138	292	1,501	1,424	1,268	12,846	1,239	3,106	4,255	111	9	76	7,539	7,433	4,068	4,039		57.3%	57.5%	54.8%	

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 11

MAY 2008

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: August 18, 2008

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES	
		1000 ACRE-FEET IN LAKE	CHANGE			RIVER SPILL	OUTLET	PUMPING PLANT	C.F.S.	INCHES		
		536.8										
1	421.43	539.8	+3.0	2,917	1,115	0	0	236	59	.21	.00	
2	421.78	542.7	+2.9	2,903	1,130	0	0	243	64	.23	.00	
3	422.15	545.8	+3.1	2,916	1,079	0	0	240	42	.15	.00	
4	422.60	549.6	+3.8	3,194	991	0	0	245	56	.20	.00	
5	422.86	551.7	+2.2	2,442	1,034	0	0	253	56	.20	.00	
6	423.39	556.2	+4.5	3,660	1,111	0	0	235	60	.21	.00	
7	423.97	561.1	+4.9	4,169	1,399	0	0	237	60	.21	.00	
8	424.62	566.7	+5.5	3,831	733	0	0	240	63	.22	.00	
9	425.01	570.0	+3.3	3,095	1,106	0	0	251	60	.21	.00	
10	425.45	573.8	+3.8	3,207	976	0	0	259	63	.22	.00	
11	425.88	577.5	+3.7	3,380	1,191	0	0	259	64	.22	.00	
12	426.34	581.5	+4.0	3,394	1,068	0	0	253	64	.22	.00	
13	426.75	585.0	+3.6	3,180	1,045	0	0	257	84	.29	.00	
14	427.15	588.5	+3.5	3,146	1,028	0	0	272	90	.31	.00	
15	427.47	591.3	+2.8	3,274	1,512	0	0	274	76	.26	.00	
16	428.17	597.4	+6.1	4,522	1,040	0	0	284	103	.35	.00	
17	428.79	602.9	+5.5	4,125	989	0	0	284	94	.32	.00	
18	429.42	608.5	+5.6	4,370	1,203	0	0	296	53	.18	.00	
19	429.90	612.8	+4.3	3,582	1,040	0	0	291	98	.33	.00	
20	430.33	616.6	+3.8	3,290	995	0	0	276	78	.26	.00	
21	430.47	617.9	+1.3	2,680	1,696	0	0	258	93	.31	.00	
22	430.60	619.0	+1.2	2,344	1,394	0	0	263	99	.33	.00	
23	430.64	619.4	+0.4	1,896	1,372	0	0	278	66	.22	.00	
24	430.67	619.7	+0.3	1,964	1,572	0	0	244	12	.04	.05	
25	430.73	620.2	+0.5	2,324	1,761	0	0	238	54	.18	.00	
26	430.74	620.3	+0.1	1,873	1,515	0	0	253	60	.20	.00	
27	430.78	620.6	+0.4	1,992	1,496	0	0	262	54	.18	.18	
28	430.65	619.5	-1.2	1,531	1,801	0	0	254	63	.21	.00	
29	430.64	619.4	-0.1	2,055	1,776	0	0	261	63	.21	.00	
30	430.49	618.0	-1.3	1,796	2,135	0	0	270	69	.23	.00	
31	430.38	617.1	-1.0	2,068	2,228	0	0	271	66	.22	.00	
TOTALS			+80.5	91,120	40,531	0	0	8,037	2,086	7.13	.23	
ACRE-FEET			+80,500	180,737	80,393	0	0	15,941	4,138			

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES, PUMPING AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	80,393	OUTLET	0	THIS MONTH =	.23
SPILL	0	TOTAL	96,334	JULY 1, 2007 TO DATE =	14.69
PUMPING PLANT	15,941				

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 11

JUNE 2008

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: August 8, 2008

DAY	ELEV	STORAGE		COMPUTED INFLOW C.F.S.	POWER	RELEASE - C.F.S.		PUMPING PLANT	EVAPORATION		PRECIP INCHES
		1000 ACRE-Feet IN LAKE	CHANGE			RIVER SPILL	OUTLET		C.F.S.	INCHES	
		617.1									
1	430.16	615.1	-2.0	1,736	2,389	0	0	272	69	.23	.00
2	429.92	612.9	-2.1	1,644	2,378	0	0	277	71	.24	.00
3	429.75	611.4	-1.5	1,825	2,241	0	0	269	77	.26	.00
4	429.55	609.6	-1.8	1,552	2,103	0	0	269	77	.26	.00
5	429.40	608.3	-1.3	1,788	2,103	0	0	269	89	.30	.00
6	429.12	605.8	-2.5	1,397	2,290	0	0	273	89	.30	.00
7	428.91	604.0	-1.9	1,564	2,136	0	0	281	86	.29	.00
8	428.71	602.2	-1.8	1,565	2,084	0	0	288	83	.28	.00
9	428.40	599.5	-2.7	1,571	2,562	0	0	294	94	.32	.00
10	427.90	595.1	-4.4	1,692	3,536	0	0	286	91	.31	.00
11	427.10	588.1	-7.0	1,557	4,690	0	0	283	114	.39	.00
12	426.36	581.6	-6.4	1,607	4,455	0	0	295	99	.34	.00
13	425.66	575.6	-6.1	1,290	3,952	0	0	302	86	.30	.00
14	424.88	568.9	-6.7	1,430	4,414	0	0	301	95	.33	.00
15	424.08	562.0	-6.8	1,270	4,345	0	0	292	74	.26	.00
16	423.27	555.2	-6.9	1,319	4,393	0	0	295	88	.31	.00
17	422.45	548.3	-6.9	1,153	4,262	0	0	287	79	.28	.00
18	421.58	541.0	-7.3	918	4,193	0	0	304	81	.29	.00
19	420.72	533.9	-7.1	1,282	4,496	0	0	293	83	.30	.00
20	419.90	527.2	-6.7	1,105	4,117	0	0	296	91	.33	.00
21	419.10	520.6	-6.5	1,245	4,125	0	0	308	101	.37	.00
22	418.29	514.1	-6.6	1,360	4,254	0	0	303	106	.39	.00
23	417.48	507.6	-6.5	1,155	4,050	0	0	301	84	.31	.00
24	416.87	502.7	-4.9	1,317	3,414	0	0	296	64	.24	.00
25	416.06	496.3	-6.4	841	3,749	0	0	285	45	.17	.00
26	415.42	491.3	-5.0	1,146	3,325	0	0	283	74	.28	.00
27	414.93	487.4	-3.8	1,335	2,938	0	0	298	37	.14	.00
28	414.35	482.9	-4.5	1,359	3,284	0	0	287	63	.24	.00
29	413.75	478.3	-4.6	1,178	3,168	0	0	286	68	.26	.00
30	413.04	472.8	-5.5	933	3,335	0	0	289	67	.26	.00
TOTALS			-144.2	41,134	102,781	0	0	8,662	2,425	8.58	.00
ACRE-Feet			-144,200	81,589	203,866	0	0	17,181	4,810		

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES, PUMPING AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-Feet)			PRECIPITATION	
POWER	203,866	OUTLET	0	THIS MONTH =	.00
SPILL	0	TOTAL	221,047	JULY 1, 2007 TO DATE =	14.69
PUMPING PLANT	17,181				

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 11

JULY 2007

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: September 26, 2007

DAY	ELEV	STORAGE		COMPUTED INFLOW C.F.S.	POWER	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES	
		1000 ACRE-FEET IN LAKE	CHANGE			RIVER SPILL	OUTLET	PUMPING PLANT	C.F.S.	INCHES		
		655.9										
1	433.84	648.5	-7.5	1,134	4,537	0	0	282	83	.27	.00	
2	432.94	640.2	-8.3	894	4,671	0	0	291	91	.30	.00	
3	432.29	634.3	-5.9	1,505	4,101	0	0	296	91	.30	.00	
4	431.74	629.3	-5.0	1,389	3,543	0	0	286	75	.25	.00	
5	431.18	624.2	-5.1	1,551	3,714	0	0	304	84	.28	.00	
6	430.65	619.5	-4.8	1,803	3,793	0	0	310	102	.34	.00	
7	430.20	615.4	-4.0	1,508	3,162	0	0	303	77	.26	.00	
8	429.67	610.7	-4.7	1,057	3,100	0	0	294	47	.16	.00	
9	429.16	606.2	-4.5	1,378	3,327	0	0	291	47	.16	.00	
10	428.77	602.7	-3.5	1,603	2,975	0	0	281	88	.30	.00	
11	428.14	597.2	-5.6	1,225	3,701	0	0	262	65	.22	.00	
12	427.46	591.2	-6.0	1,372	4,049	0	0	264	64	.22	.00	
13	426.77	585.2	-6.0	1,160	3,867	0	0	242	87	.30	.00	
14	426.17	580.0	-5.2	1,899	4,154	0	0	284	87	.30	.00	
15	425.50	574.2	-5.8	1,646	4,186	0	0	284	89	.31	.00	
16	424.79	568.1	-6.1	1,449	4,153	0	0	289	80	.28	.00	
17	423.91	560.6	-7.5	1,136	4,574	0	0	273	71	.25	.00	
18	423.28	555.3	-5.3	1,825	4,196	0	0	264	51	.18	.00	
19	422.54	549.0	-6.2	1,189	4,013	0	0	262	51	.18	.00	
20	421.80	542.9	-6.2	1,445	4,226	0	0	268	70	.25	.00	
21	421.12	537.2	-5.6	1,610	4,113	0	0	269	75	.27	.00	
22	420.39	531.2	-6.0	1,648	4,331	0	0	276	75	.27	.00	
23	419.60	524.7	-6.5	1,371	4,288	0	0	276	69	.25	.00	
24	418.93	519.3	-5.5	1,314	3,717	0	0	275	74	.27	.00	
25	418.37	514.7	-4.5	1,532	3,486	0	0	273	54	.20	.00	
26	417.88	510.8	-3.9	1,464	3,122	0	0	263	70	.26	.00	
27	417.43	507.2	-3.6	1,537	3,002	0	0	270	81	.30	.00	
28	416.91	503.0	-4.2	1,488	3,228	0	0	275	80	.30	.00	
29	416.28	498.0	-5.0	1,137	3,297	0	0	278	80	.30	.00	
30	415.72	493.6	-4.4	1,304	3,184	0	0	282	66	.25	.00	
31	415.20	489.5	-4.1	1,116	2,847	0	0	270	58	.22	.00	
TOTALS			-166.5	43,689	116,657	0	0	8,637	2,282	8.00	.00	
ACRE-FEET			-166,500	86,657	231,389	0	0	17,131	4,526			

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES, PUMPING AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-FEET)		PRECIPITATION	
POWER	231,389	OUTLET	0	THIS MONTH = .00
SPILL	0	TOTAL	248,520	JULY 1, 2007 TO DATE = .00
PUMPING PLANT	17,131			

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 11

AUGUST 2007

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: October 17, 2007

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.		PUMPING PLANT	EVAPORATION		PRECIP INCHES
		1000 ACRE-FEET IN LAKE	CHANGE			RIVER SPILL	OUTLET		C.F.S.	INCHES	
		489.5									
1	414.58	484.7	-4.8	1,370	3,439	0	0	290	81	.31	.00
2	414.03	480.4	-4.3	1,304	3,099	0	0	284	78	.30	.00
3	413.47	476.1	-4.3	1,364	3,185	0	0	280	75	.29	.00
4	412.94	472.0	-4.1	1,356	3,054	0	0	286	72	.28	.00
5	412.31	467.2	-4.8	1,144	3,202	0	0	283	82	.32	.00
6	411.65	462.2	-5.0	1,090	3,276	0	0	261	79	.31	.00
7	411.10	458.1	-4.2	1,396	3,199	0	0	249	43	.17	.00
8	410.53	453.8	-4.3	1,232	3,078	0	0	255	53	.21	.00
9	409.86	448.8	-5.0	1,131	3,349	0	0	254	50	.20	.00
10	409.26	444.3	-4.4	1,078	2,997	0	0	263	57	.23	.00
11	408.68	440.1	-4.3	1,194	3,014	0	0	265	67	.27	.00
12	408.24	436.8	-3.2	1,539	2,823	0	0	264	76	.31	.00
13	407.76	433.4	-3.5	1,452	2,889	0	0	269	56	.23	.00
14	407.29	429.9	-3.4	1,557	2,950	0	0	270	53	.22	.00
15	406.85	426.8	-3.2	1,269	2,544	0	0	267	58	.24	.00
16	406.36	423.3	-3.5	1,407	2,840	0	0	262	75	.31	.00
17	405.88	419.8	-3.4	1,139	2,539	0	0	263	65	.27	.00
18	405.42	416.6	-3.3	1,448	2,752	0	0	269	69	.29	.00
19	404.86	412.6	-4.0	1,113	2,777	0	0	272	57	.24	.00
20	404.36	409.1	-3.5	1,366	2,807	0	0	270	54	.23	.00
21	403.94	406.2	-2.9	1,483	2,637	0	0	272	54	.23	.00
22	403.47	402.9	-3.3	1,342	2,627	0	32	267	56	.24	.00
23	403.03	399.9	-3.0	1,305	2,449	0	57	271	63	.27	.00
24	402.48	396.1	-3.8	975	2,544	0	0	267	62	.27	.00
25	401.97	392.6	-3.5	1,308	2,737	0	0	266	62	.27	.00
26	401.53	389.7	-3.0	1,379	2,562	0	0	261	55	.24	.00
27	400.93	385.6	-4.0	954	2,676	0	0	267	52	.23	.00
28	400.47	382.5	-3.1	1,290	2,552	0	0	235	52	.23	.00
29	400.24	381.0	-1.5	1,906	2,358	0	0	266	56	.25	.00
30	399.75	377.8	-3.3	1,525	2,842	0	0	262	61	.27	.00
31	399.43	375.6	-2.1	1,493	2,217	0	0	274	67	.30	.00
TOTALS			-114.0	40,909	88,014	0	89	8,284	1,940	8.03	.00
ACRE-FEET			-114,000	81,143	174,576	0	177	16,431	3,848		

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES, PUMPING AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-FEET)			PRECIPITATION	
POWER	174,576	OUTLET	177	THIS MONTH =	.00
SPILL	0	TOTAL	191,184	JULY 1, 2007 TO DATE =	.00
PUMPING PLANT	16,431				

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 11

SEPTEMBER 2007

FOLSOM LAKE DAILY OPERATIONS

RUN DATE: October 31, 2007

DAY	ELEV	STORAGE		COMPUTED* INFLOW C.F.S.	POWER	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES	
		1000 ACRE-Feet IN LAKE	CHANGE			RIVER SPILL	OUTLET	PUMPING PLANT	C.F.S.	INCHES		
		375.6										
1	398.92	372.3	-3.4	1,411	2,761	0	0	276	69	.31	.00	
2	398.33	368.4	-3.9	984	2,582	0	0	277	68	.31	.00	
3	397.89	365.6	-2.9	1,211	2,308	0	0	280	68	.31	.00	
4	397.51	363.1	-2.5	1,385	2,269	0	0	281	72	.33	.00	
5	397.05	360.1	-3.0	1,035	2,245	0	0	251	37	.17	.00	
6	396.62	357.4	-2.8	880	1,962	0	0	260	45	.21	.00	
7	396.29	355.3	-2.1	1,386	2,138	0	0	255	56	.26	.00	
8	395.89	352.7	-2.5	996	1,994	0	0	244	43	.20	.00	
9	395.53	350.5	-2.3	1,169	2,020	0	0	255	40	.19	.00	
10	395.02	347.2	-3.2	990	2,314	0	0	257	44	.21	.00	
11	394.63	344.8	-2.4	891	1,843	0	0	241	36	.17	.00	
12	394.49	343.9	-0.9	1,286	1,445	0	0	238	44	.21	.00	
13	394.31	342.8	-1.1	925	1,243	0	0	230	19	.09	.00	
14	394.04	341.1	-1.7	1,322	1,905	0	0	228	40	.19	.00	
15	393.80	339.6	-1.5	1,103	1,588	0	0	228	35	.17	.00	
16	393.58	338.3	-1.4	1,185	1,596	0	0	233	41	.20	.00	
17	393.43	337.3	-0.9	1,173	1,364	0	0	235	41	.20	.00	
18	393.12	335.4	-1.9	844	1,540	0	0	231	37	.18	.00	
19	392.93	334.3	-1.2	1,152	1,475	0	0	223	43	.21	.00	
20	392.77	333.3	-1.0	1,237	1,507	0	0	185	37	.18	.00	
21	392.62	332.4	-0.9	1,207	1,440	0	0	191	37	.18	.00	
22	392.52	331.8	-0.6	1,173	1,263	0	0	189	29	.14	.00	
23	392.35	330.7	-1.0	1,034	1,356	0	0	190	10	.05	.03	
24	392.12	329.3	-1.4	811	1,307	0	0	193	18	.09	.00	
25	391.96	328.3	-1.0	1,051	1,318	0	0	198	26	.13	.00	
26	391.87	327.8	-0.5	1,213	1,242	0	0	206	38	.19	.00	
27	391.84	327.6	-0.2	1,523	1,364	0	0	210	40	.20	.00	
28	391.68	326.7	-1.0	1,434	1,667	0	0	205	48	.24	.00	
29	391.39	324.9	-1.7	753	1,427	0	0	187	20	.10	.04	
30	391.08	323.0	-1.9	702	1,424	0	0	186	34	.17	.00	
TOTALS			-52.8	33,466	51,907	0	0	6,863	1,215	5.79	.07	
ACRE-Feet			-52,800	66,380	102,958	0	0	13,613	2,410			

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES, PUMPING AND EVAPORATION.

SUMMARY

	RELEASE (ACRE-Feet)			PRECIPITATION	
POWER	102,958	OUTLET	0	THIS MONTH =	.07
SPILL	0	TOTAL	116,571	JULY 1, 2007 TO DATE =	.07
PUMPING PLANT	13,613				

UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. BUREAU OF RECLAMATION-CENTRAL VALLEY PROJECT-CALIFORNIA

Table 11

OCTOBER 2007

FOLSOM LAKE DAILY OPERATIONS

RUN DATE February 7, 2008

DAY	ELEV	STORAGE		COMPUTED INFLOW C.F.S.	POWER	RELEASE - C.F.S.			EVAPORATION		PRECIP INCHES	
		1000 ACRE- FEET IN LAKE	CHANGE			RIVER SPILL	OUTLET	PUMPING PLANT	C.F.S.	INCHES		
		323.0										
1	390.97	322.4	-0.7	1,169	1,278	0	0	192	32	.16	.00	
2	390.79	321.3	-1.1	1,071	1,392	0	0	187	32	.16	.00	
3	390.52	319.7	-1.6	645	1,221	0	0	200	34	.17	.00	
4	390.27	318.2	-1.5	732	1,262	0	0	186	34	.17	.00	
5	390.03	316.8	-1.4	744	1,263	0	0	181	20	.10	.00	
6	389.75	315.1	-1.6	800	1,424	0	0	178	29	.15	.00	
7	389.47	313.5	-1.6	849	1,467	0	0	187	25	.13	.00	
8	389.16	311.7	-1.8	729	1,418	0	0	199	31	.16	.00	
9	388.97	310.6	-1.1	869	1,211	0	0	189	31	.16	.00	
10	388.91	310.2	-0.3	1,430	1,412	0	0	164	29	.15	.00	
11	388.79	309.5	-0.7	1,108	1,291	0	0	153	15	.08	.83	
12	388.65	308.7	-0.8	1,136	1,375	0	0	150	21	.11	.00	
13	388.48	307.7	-1.0	769	1,142	0	0	145	0	.00	.12	
14	388.25	306.4	-1.3	825	1,321	0	0	146	31	.16	.00	
15	387.99	304.9	-1.5	855	1,442	0	0	150	23	.12	.00	
16	387.75	303.5	-1.4	960	1,494	0	0	147	13	.07	.00	
17	387.39	301.4	-2.1	459	1,364	0	0	135	0	.00	.09	
18	387.03	299.4	-2.1	347	1,240	0	0	128	19	.10	.01	
19	386.77	297.9	-1.5	688	1,282	0	0	134	15	.08	.00	
20	386.60	296.9	-1.0	950	1,291	0	0	138	6	.03	.18	
21	386.44	296.0	-0.9	1,020	1,321	0	0	138	17	.09	.01	
22	386.28	295.1	-0.9	944	1,238	0	0	139	24	.13	.00	
23	386.01	293.6	-1.5	809	1,416	0	0	146	17	.09	.00	
24	385.79	292.4	-1.2	791	1,233	0	0	150	28	.15	.00	
25	385.56	291.1	-1.3	854	1,323	0	0	156	22	.12	.00	
26	385.47	290.6	-0.5	1,118	1,197	0	0	153	22	.12	.00	
27	385.09	288.5	-2.1	787	1,684	0	0	158	15	.08	.00	
28	384.90	287.4	-1.1	938	1,289	0	0	163	17	.09	.00	
29	384.73	286.5	-0.9	1,174	1,477	0	0	152	18	.10	.09	
30	384.47	285.0	-1.4	773	1,337	0	0	140	18	.10	.09	
31	384.31	284.2	-0.9	794	1,099	0	0	129	11	.06	.00	
TOTALS			-38.8	27,157	41,204	0	0	4,913	649	3.39	1.42	
ACRE- FEET			-38,800	53,866	81,728	0	0	9,745	1,287			

COMMENTS:

* COMPUTED INFLOW IS THE SUM OF CHANGE IN STORAGE, RELEASES, PUMPING AND EVAPORATION.

SUMMARY

	RELEASE (ACRE- FEET)			PRECIPITATION	
POWER	81,728	OUTLET	0	THIS MONTH =	1.42
SPILL	0	TOTAL	91,473	JULY 1, 2007 TO DATE =	1.49
PUMPING PLANT	9,745				