

[SUMMARY OF FINAL SUBMITTED VERSION]

PROGRESS REPORT BY PERMITTEE FOR 2015

Primary Owner: U.S. BUREAU OF RECLAMATION
 Primary Contact: U.S. BUREAU OF RECLAMATION

Date Submitted: 06/30/2016

Application Number: A005626
 Permit Number: 012721

Source(s) of Water	POD Parcel Number	County
SACRAMENTO RIVER		Sacramento
SACRAMENTO RIVER		Glenn
SACRAMENTO RIVER		Tehama
SACRAMENTO RIVER		Shasta
OLD RIVER		Contra Costa
SACRAMENTO RIVER		Shasta
SACRAMENTO RIVER		Contra Costa

MAX Direct Diversion Rate: 8000 CFS
 MAX Collection to Storage: 3190000 AC-FT
 Face Value: 7998004 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Industrial	0	09/01 to 06/30	10/01 to 06/30
Irrigation	999999.9	09/01 to 06/30	10/01 to 06/30
Stockwatering	0	09/01 to 06/30	10/01 to 06/30
Recreational	0	09/01 to 06/30	10/01 to 06/30
Domestic	0	09/01 to 06/30	10/01 to 06/30
Municipal	0	09/01 to 06/30	10/01 to 06/30
Other Fish and Wildlife Protection and/or Enhancement			

1. Permit Review	
I have reviewed my water right permit	Yes

2. Compliance with Permit Terms and Conditions	
I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	

3. Changes to the Project	
Intake location has been changed	
Description of intake location changes	
Type of use has changed	

Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

4-6. Permitted Project Status

Project Status	Not Complete
6a. Construction work has commenced	Yes
6b. Construction is completed	Yes
6c. Beneficial uses of water has commenced	Yes
6d. Project will be completed within the time period specified in the permit	No
6e. Explanation of work remaining to be done	Petition filed to extend time to put water to beneficial use.
6f. Estimated date of completion	12/31/2030

7. Purpose of Use

Domestic	incidental
Irrigation	1654610 Acres Mixed Crop Types
Industrial	mixed
Municipal	0
Recreational	Recreational activities at Shasta Lake, San Luis Reservoir
Stockwatering	incidental
Fish and Wildlife Protection and/or Enhancement	Sacramento River, Delta fishery
Other	water quality

8. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	8206	137298	11979
February	4742	611885	4742
March	61786	78249	63667
April	6724	32913	66241
May	0	0	118727
June	0	0	88826
July	0	0	120866
August	0	0	105552
September	0	0	40869
October	0	0	87932
November	247	0	50140
December	14683	110388	36014
Total	96388	970733	795555
Type of Diversion	Both Direct Diversion and Diversion to Storage		
Comments			

Water Transfers	
8e. Water transferred	Yes
8f. Quantity transferred (Acre-Feet)	266
8g. Dates which transfer occurred	9/4 to 9/21
8h. Transfer approved by	SWRCB

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2015	
8q. Amount (Acre-Feet) projected for 2016	
8r. Exchange or settlement of prior rights	
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

9. Maximum Rate of Diversion for each Month	
Month	Maximum Rate of Diversion (CFS)
January	4912
February	46341
March	5268
April	2456
May	0
June	0
July	0
August	0
September	0
October	0
November	4
December	8968

10. Storage					
Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level
Shasta Lake	No	81.16	No	164.10	staff gauge reading

Conservation of Water	
11. Are you now employing water conservation efforts?	Yes
Description of water conservation efforts	Reclamation encourages water conservation through financial assistance.
12. Amount of water conserved	

Water Quality and Wastewater Reclamation

13. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
14. Amount of reclaimed, desalinated, or polluted water used	

Conjunctive Use of Groundwater and Surface Water

15. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your permit?	No
16. Amounts of groundwater used	

Additional Remarks

Due to length, remarks attached.

Attachments

File Name	Description	Size
2015CVP Summary.pdf	2015 CVP Summary	21 KB
2015 Progress Report for A005628 Remarks.pdf	Remarks on 2015 Progress Report	45 KB

Contact Information of the Person Submitting the Form

First Name	Lisa
Last Name	Holm
Relation to Water Right	Primary Owner of Record
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

**Summary of Central Valley Project Operations 1/
Calendar Year 2015
Inventory of Water Quantities in Acre-feet**

Facilities and Area of Use	Reservoir Evaporation	Irrigation Diversions	M & I Deliveries	Power Use <u>2/</u>	River Release <u>3/</u>	Acres Irrigated
Trinity River						
Trinity Lake and vicinity	26,563	- na -	- na -	636,413	- na -	- na -
Lewiston Lake and vicinity	2,391	- na -	- na -	0	485,394	- na -
Diversions from Lewiston Lake to Whiskeytown Lake	- na -	- na -	- na -	444,455	- na -	- na -
Trinity River Subtotal	28,954	- na -	- na -	1,080,868	485,394	- na -
Clear Creek						
Whiskeytown Lake <u>4/</u>	8,839	- na -	1,422	- na -	148,125	- na -
Diversions - Whiskeytown Lake to Keswick Reservoir	- na -	- na -	- na -	383,804	- na -	- na -
Clear Creek Subtotal	8,839	- na -	1,422	383,804	148,125	- na -
Sacramento River						
Shasta Lake	73,216	- na -	- na -	3,169,927	- na -	- na -
Keswick Reservoir	2,460	- na -	- na -	3,721,437	40,617	- na -
CVP Redding area (Keswick, Shasta, Bella Vista)	- na -	766	10,853	- na -	- na -	15,152
Sacramento Valley Canals	- na -	46,261	90	- na -	- na -	169,872
Sacramento River Settlement Contractors	- na -	985,542 <u>5/</u>	48,136 <u>5/</u>	- na -	- na -	432,925
Sacramento River Subtotal	75,676	1,032,569	59,079	6,891,364	40,617	617,949
American River						
Folsom Lake	19,074	0	5,597 <u>6/</u>	870,257	- na -	- na -
Lake Natoma	2,045	- na -	- na -	813,529	56,407	- na -
Folsom South Canal (from Lake Natoma)	- na -	- na -	33,250	- na -	- na -	- na - <u>7/</u>
Lower American River Diversions	- na -	- na -	39,490 <u>6/</u>	- na -	- na -	- na -
American River Subtotal	21,119	0	78,337	1,683,786	56,407	0
Stanislaus River						
New Melones Lake	20,942	- na -	- na -	512,345	54,374 <u>8/</u>	- na -
Stanislaus River <u>9/</u>	- na -	361,713 <u>6/</u>	2,513 <u>6/</u>	- na -	- na -	- na -
Stanislaus River Subtotal	20,942	361,713	2,513	512,345	54,374	- na -

Facilities and Area of Use	Reservoir Evaporation	Irrigation Diversions	M & I Deliveries	Power Use ^{2/}	River Release ^{3/}	Acres Irrigated
Delta and Westside of San Joaquin Valley						
Contra Costa Canal and Contra Loma Reservoir	- na -	0	68,380	- na -	- na -	0
Delta Mendota and San Luis Canals						
Delta-Mendota Canal	- na -	28,449	2,022	- na -	- na -	78,835 ^{10/}
Waterfowl Conservation	- na -	105,867	- na -	- na -	- na -	- na -
San Luis Reservoir ^{11/}	63,002	- na -	- na -	1,118,045	- na -	- na -
O'Neill Forebay ^{11/}	- na - ^{12/}	- na -	- na -	302,993	- na -	- na -
San Luis and Coalinga Canal	- na -	150,381	10,577	- na -	- na -	387,357 ^{13/}
Cross Valley Canal	- na -	768	- na - ^{6/}	- na -	- na -	- na -
San Felipe Service Area (Pacheco Tunnel)	- na -	2,671	36,807	- na -	- na -	636 ^{14/}
Mendota Pool						
Mendota Pool and vicinity ^{15/ 16/}	- na -	51,660	- na -	- na -	- na -	5,750 ^{17/}
Waterfowl Conservation	- na -	- na - ^{18/}	- na -	- na -	- na -	- nr - ^{7/}
Exchange Contract ^{19/ 16/}	- na -	409,178	- na -	- na -	- na -	194,836 ^{19/}
Delta and Westside Subtotal	63,002	748,974	117,786	1,421,038	- na -	667,414
San Joaquin River						
Millerton Lake and vicinity	12,198	0	134	- na - ^{20/}	245,312 ^{21/}	- na - ^{22/}
Friant-Kern Canal	- na -	27,871	4,788	- na -	- na -	369,247 ^{23/}
Madera Canal	- na -	0	- na -	- na -	- na -	0 ^{24/}
San Joaquin River Subtotal	12,198	27,871	4,922	- na -	245,312	369,247
Total - CVP	230,730	2,171,127	264,059	11,973,205	1,030,229	1,654,610

LEGEND: na = not applicable; nr = not reported; ua = unavailable

- 1/ Does not include water quantities and acreage for either American River Division or Black Butte Unit.
- 2/ Releases made through power generation facilities. Though these releases are totaled, the same water may pass through multiple facilities.
- 3/ As appropriate value is shown only for regulating reservoir; Includes river outlet releases for downstream uses and/or flood control releases, including temperature control, water quality and Delta standards.
- 4/ M & I use by Clear Creek Community Service District.
- 5/ Total delivery under water right settlement contracts; includes water under contractors water rights.
- 6/ Includes water under water service and water right settlement contracts; some of this water includes water under contractors water rights.
- 7/ The total amount of acres irrigated is unavailable.
- 8/ River release is made at Goodwin Dam.
- 9/ Water service contract and water right settlement deliveries are made at Goodwin Dam.
- 10/ Does not include acreage of Banta-Carbona ID, Byron-Behtany ID, and Patterson ID, as numbers were not available in time.
- 11/ Joint State/Federal use facility.
- 12/ The total amount of Reservoir Evaporation is unavailable.
- 13/ Does not include acreage of Pacheco WD and Panoche WD, as numbers were not available in time.

- 14/ Does not include acreage of San Benito County WD, as numbers were not available in time.
- 15/ All contractors including water right settlement contractors except Exchange Contractors below
- 16/ Water diverted directly from San Joaquin River is under water rights of settlement contractors.
- 17/ Does not include irrigated acreage in Coelho Family Trust, Dudley & Indart, James ID, Meyers Farms Family Trust, and Reclamation District 1606.
- 18/ Amount reported under deliveries for San Luis Canal.
- 19/ Represents the combined irrigation diversions and acres irrigated of Central California Irrigation District, Columbia Canal Co., Firebaugh Canal Co., and San Luis Canal Co. Irrigated acres do not include Central California ID and Firebaugh Canal WD, as numbers were not available in time.
- 20/ Generation facilities at Friant Dam and associated water rights are not operated or held by Reclamation.
- 21/ Releases include water for water right Settlement Contracts between Friant and Gravelly Ford.
- 22/ Total area in water right settlement contracts.
- 23/ Does not include acreage of Arvin-Edison WD, Garfield WD, Hills Valley ID, International ID, Karweah Delta WCD, Kern-Tulare WD, Lower Tule River ID, Porterville ID, Stone Corral ID, Tri-Valley WD and Tulare ID, as numbers were not available in time.
- 24/ Madera canal acreages were not available in time.

2015 Progress Report for A005628

Remarks:

All data is preliminary and subject to change.

Operations are integrated within the Central Valley Project (CVP) and also coordinated with the Department of Water Resources (DWR) consistent with the provisions of the Coordinated Operations Agreement (COA) dated November 24, 1986. 2015 was a critically dry year based on the water year classification and the continuing drought conditions presented significant operational challenges. Throughout 2015, Reclamation worked closely with DWR, the SWRCB, the National Marine Fisheries Service, U.S. Fish and Wildlife Service and the California Department of Fish and Wildlife, and used the operational flexibility of the coordinated operations of the CVP and State Water Project (SWP) to minimize the effects of the severe drought on water supply, fisheries resources and the Delta. Interagency coordination included frequent meetings of the Real-Time Drought Operations Management Team (RTDOT). Reclamation and DWR developed a Drought Contingency Plan (DCP) which was provided to the SWRCB. The CVP and SWP operated under a Temporary Urgency Change Order during significant portions of 2015.

Part 2: CVP water rights permit terms and conditions are specified in D1641. Due to the historically dry conditions, the Governor declared a state of emergency on January 17, 2014 and issued subsequent proclamations and executive orders throughout the drought to address critical issues related to the historic drought. Project Delta operations were very challenging due to the continuing drought conditions and low reservoir storage. Reclamation and DWR jointly filed a Temporary Urgency Change Petition (TUCP) on January 23, 2015 to temporarily modify some of the requirements in D1641 including Delta Outflow, Delta Cross Channel Gate operations, Minimum San Joaquin River Flow and export limits. The changes were necessary to preserve upstream storage to aid in meeting temperature, instream flow and salinity requirements later in the year and to ensure delivery of minimum health and safety supplies to municipalities served by the CVP. The SWRCB issued an order approving the TUCP on February 3, 2015. Reclamation and DWR filed subsequent requests for changes to additional D-1641 criteria including the Western Delta compliance location, Rio Vista flows, further changes to the San Joaquin River minimum flows and flexibility in the export limits. The order was subsequently modified by the SWRCB as necessary to adapt to the unique conditions presented by the drought. The TUC remained in effect through the end of 2015. The joint petitions, SWRCB orders and supporting information including the DCP and correspondence with the fisheries agencies can be viewed at http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/tucp/ Reclamation and DWR also filed a joint petition for change to consolidate the CVP and SWP places of use downstream of the Jones and Banks pumping plants in order to facilitate exchanges between CVP and SWP south of Delta contractors (CPOU). The SWRCB issued an order approving the petition on April 27, 2015. The water exchanged under that order has reported to the Board separately as required by the order approving the CPOU. Reclamation operations throughout 2015 were consistent with the provisions of D-1641 (as modified by the TUCP), the BiOps, the COA and the CPOU.

Part 4: Amount used is consumptive use only (withdrawal and direct diversion). Includes withdrawals from water restored in San Luis under this Permit. Transfer was from Contra Costa Water District to BBID (previously stored LV water through an exchange with CVP diversions).

Part 5: Rate of Diversion is the maximum rate of diversion to storage + direct diversion. Direct diversion rates are the average daily rate of monthly diversions (since only monthly data was available to preparer).

Part 7: Reclamation does not collect annual data on water conservation, reclamation, or conjunctive use.

CVP Summary Attached.