

**[SUMMARY OF FINAL SUBMITTED VERSION]**

**PROGRESS REPORT BY PERMITTEE FOR 2013**

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

Date Submitted: 06/27/2014

Application Number: A005626  
 Permit Number: 012721

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

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
Domestic	0	09/01 to 06/30	10/01 to 06/30
Irrigation	999999.9	09/01 to 06/30	10/01 to 06/30
Fish and Wildlife Protection and/or Enhancement	0	09/01 to 06/30	10/01 to 06/30
Recreational	0	09/01 to 06/30	10/01 to 06/30
Stockwatering	0	09/01 to 06/30	10/01 to 06/30
Other	0	09/01 to 06/30	10/01 to 06/30
Industrial	0	09/01 to 06/30	10/01 to 06/30
Municipal	0	09/01 to 06/30	10/01 to 06/30

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	Reclamation has a petition to extend time for beneficial use on file with the SWRCB.
6f. Estimated date of completion	12/31/2030

7. Purpose of Use	
Domestic	Incidental
Irrigation	959323 Acres Mixed Crop Types
Industrial	Mixed
Municipal	0
Recreational	Recreational activities at Shasta Lake
Stockwatering	Incidental
Fish and Wildlife Protection and/or Enhancement	Sacramento River, Delta Flows
Other	Water Quality

8. Amount of Water Diverted and Used		
Month	Amount directly diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	376164.1	220564.1
February	333919.4	202019.4
March	404378.2	248078.2
April	378243.4	360943.4
May	227163.4	653063.4
June	193495.6	617795.6
July	0	504400
August	0	332500
September	162907.8	358207.8
October	165038.6	326838.6
November	163980.4	219780.4
December	121753.7	145753.7
Total	2527044.6	4189944.6
Comments		

9. Maximum Rate of Diversion for each Month	
Month	Maximum Rate of Diversion

(CFS)

SJC-167

January	9891.8
February	8013.4
March	9907
April	11106.1
May	4282.6
June	3739.3
July	2935.9
August	3139.6
September	3189.4
October	3054
November	3412
December	3325

**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	32.64	No	139.04	staff gauge reading

**Conservation of Water**

11. Are you now employing water conservation efforts?	No
Description of water conservation efforts	
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**

The electronic data are submitted provisionally, as an attempt to discretize diversions and storage among individual permits, as requested. The provisional attachment shows the break down between diversions to storage and direct diversions, which are combined in this submittal. Storage and diversions were distributed in order of permit/license priority. Individual contractors implement conservation measures. Reclamation also maintains an annual grant program to support conservation activities. Attached files representing the official submittal of Reclamation. The irrigated acreage number does not include any Districts which did not timely report. Municipal use figures not provided by contractors. CVP Summary attached.

**Attachments**

File Name	Description	Size
<a href="#">A5626 2013 Report.pdf</a>		188 KB
<a href="#">CVPSUMMARY2013.pdf</a>		45 KB

**Contact Information of the Person Submitting the Form**

First Name	Robert
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Last Name	Colella
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

## ATTACHMENT TO 2013 PERMITTEE REPORT

### Shasta Reservoir

### Operations under Application 005626/Permit 012721

spillway elevation	1076.2			
minimum elevation	978.68	date	11/19/2012	97.52
maximum elevation	1,043.56	date	4/18/2013	32.64
minimum elevation	937.16	date	12/31/2013	139.04

	Amount collected to storage, AF1	Amount directly diverted, AF1,2	Amount collected to storage or directly diverted, AF1	Amount withdrawn from storage, AF2	Amount used, AF2	Maximum rate of direct diversion, cfs3	Maximum rate of diversion to storage cfs3	Maximum rate of combined direct and storage diversions, cfs
Jan	155,600.0	220,564.1	376,164.1	0.0	220,564.1	5,621.0	7,878.8	9,891.8
Feb	131,900.0	202,019.4	333,919.4	0.0	202,019.4	4,491.0	4,191.9	8,013.4
Mar	156,300.0	248,078.2	404,378.2	0.0	248,078.2	5,782.0	6,060.6	9,907.0
Apr	116,300.0	261,943.4	378,243.4	99,000.0	360,943.4	5,704.0	6,414.1	11,106.1
May	0.0	227,163.4	227,163.4	425,900.0	653,063.4	4,282.6	0.0	4,282.6
Jun	0.0	193,495.6	193,495.6	424,300.0	617,795.6	3,739.3	0.0	3,739.3
Jul	0.0	0.0	0.0	504,400.0	504,400.0	0.0	0.0	2,935.9
Aug	0.0	0.0	0.0	332,500.0	332,500.0	0.0	0.0	3,139.6
Sep	0.0	162,907.8	162,907.8	195,300.0	358,207.8	3,189.4	0.0	3,189.4
Oct	0.0	165,038.6	165,038.6	161,800.0	326,838.6	3,054.0	0.0	3,054.0
Nov	0.0	163,980.4	163,980.4	55,800.0	219,780.4	3,412.0	0.0	3,412.0
Dec	0.0	121,753.7	121,753.7	24,000.0	145,753.7	3,325.0	0.0	3,325.0
<b>TOTAL</b>	560,100.0	1,966,944.5	2,527,044.5	2,223,000.0	4,189,944.5		0.0	

1 These two columns are combined to provide the numbers reported as "Amount directly diverted or collected to

storage". The Diversion to Storage is also reported under Permit 12720.

2 These two columns are combined to provide the numbers reported as "Amount used". The withdrawals from storage are also reported under Permit 12720.

3 Daily diversion rates were combined to determine the maximum combined rate of diversion for each month.

Summary of Central Valley Project Operations 1/  
 Calendar Year 2013  
 Inventory of Water Quantities in Acre-feet

SJC-167

Facilities and Area of Use	Reservoir Evaporation	Irrigation Diversions	M & I Deliveries	Power Use <sup>2/</sup>	River Release <sup>3/</sup>	Acres Irrigated
<b>Trinity River</b>						
Clair Engle Lake and vicinity	42,202	- na -	- na -	1,226,232	- na -	- na -
Lewiston Lake and vicinity	2,393	- na -	- na -	12	489,594	- na -
Diversions from Lewiston Lake to Whiskeytown Lake	- na -	- na -	- na -	800,302	- na -	- na -
<b>Trinity River Subtotal</b>	<b>44,595</b>	<b>- na -</b>	<b>- na -</b>	<b>2,026,546</b>	<b>489,594</b>	<b>- na -</b>
<b>Clear Creek</b>						
Whiskeytown Lake <sup>4/</sup>	8,452	2,697	2,261	- na -	141,022	- na -
Diversions - Whiskeytown Lake to Keswick Reservoir	- na -	- na -	- na -	699,148	- na -	- na -
<b>Clear Creek Subtotal</b>	<b>8,452</b>	<b>2,697</b>	<b>2,261</b>	<b>699,148</b>	<b>141,022</b>	<b>- na -</b>
<b>Sacramento River</b>						
Shasta Lake	91,301	0	2,001	4,596,774	- na -	- na -
Keswick Reservoir	2,554	- na -	- na -	5,390,080	94,100	- na -
CVP Redding area (Keswick, Shasta, Bella Vista)	- na -	6,277	8,897	- na -	- na -	12,284
Sacramento Valley Canals	- na -	280,244	332	- na -	- na -	75,041 <sup>5/</sup>
Sacramento River Settlement Contractors	- na -	1,735,351 <sup>6/</sup>	76,797 <sup>6/</sup>	- na -	- na -	333,900 <sup>7/</sup>
<b>Sacramento River Subtotal</b>	<b>93,855</b>	<b>2,021,872</b>	<b>86,026</b>	<b>9,986,854</b>	<b>94,100</b>	<b>421,225</b>
<b>American River</b>						
Folsom Lake	29,888	0	87,429 <sup>8/</sup>	1,508,851	- na - <sup>3/</sup>	0
Lake Natoma	1,380	- na -	- na -	1,536,241	1,711,583	- na -
Folsom South Canal (from Lake Natoma)	- na -	- na -	16,024	- na -	- na -	- na -
Lower American River Diversions	- na -	- na -	48,077 <sup>8/</sup>	- na -	- na -	- na -
<b>American River Subtotal</b>	<b>31,268</b>	<b>0</b>	<b>151,530</b>	<b>3,045,092</b>	<b>0</b>	<b>0</b>
<b>Stanislaus River</b>						
New Melones Lake	45,090	- na -	- na -	982,374	414,372 <sup>9/</sup>	- na -
Stanislaus River <sup>10/</sup>	- na -	541,064 <sup>8/</sup>	46,087 <sup>8/</sup>	- na -	- na -	- na -
<b>Stanislaus River Subtotal</b>	<b>45,090</b>	<b>541,064 <sup>11/</sup></b>	<b>46,087</b>	<b>982,374</b>	<b>414,372</b>	<b>- na -</b>

Facilities and Area of Use	Reservoir Evaporation	Irrigation Diversions	M & I Deliveries	Power Use <sup>2/</sup>	River Release <sup>3/</sup>	Acres Irrigated
<b>Delta and Westside of San Joaquin Valley</b>						
Contra Costa Canal and Contra Loma Reservoir	- na -	0	136,441	- na -	- na -	0
<b>Delta Mendota and San Luis Canals</b>						
Delta-Mendota Canal	- na -	62,187	6,082	- na -	- na -	65,360
Waterfowl Conservation	- na -	308,170	- na -	- na -	- na -	- na -
San Luis Reservoir <sup>12/</sup>	71,862	- na -	- na -	1,113,926	- na -	- na -
O'Neill Forebay <sup>12/</sup>	- na - <sup>13/</sup>	- na -	- na -	243,582	- na -	- na -
San Luis and Coalinga Canal	- na -	441,110	11,839	- na -	- na -	459,239 <sup>14/</sup>
Cross Valley Canal	- na -	8,831	0 <sup>8/</sup>	- na -	- na -	- na -
San Felipe Service Area (Pacheco Tunnel)	- na -	24,816	81,589	- na -	- na -	0 <sup>15/</sup>
<b>Mendota Pool</b>						
Mendota Pool and vicinity <sup>16/ 17/</sup>	- na -	47,860	- na -	- na -	- na -	10,343 <sup>18/</sup>
Waterfowl Conservation(Reported under San Luis Canal)	- na -	- na -	- na -	- na -	- na -	- nr -
Exchange Contract <sup>19/ 17/</sup>	- na -	624216	- na -	- na -	- na -	58,009
<b>Delta and Westside Subtotal</b>	<b>71,862</b>	<b>1,517,190</b>	<b>235,951</b>	<b>1,357,508</b>	<b>- na -</b>	<b>592,951</b>
<b>San Joaquin River</b>						
Millerton Lake and vicinity	20,718	25	14	- na - <sup>20/</sup>	142,911 <sup>21/</sup>	- na - <sup>22/</sup>
Interim Restoration (Releases under P.L. 111-11)	- na -	- na -	- na -	- na -	177,100	- na -
Exchange Contract (Recapture under P.L. 111-11)	- na -	93717	- na -	- na -	- na -	- na - <sup>23/</sup>
Friant-Kern Canal	- na -	442,155	16,976	- na -	- na -	750,787 <sup>24/</sup>
Madera Canal	- na -	102,101	46	- na -	- na -	110,505 <sup>25/</sup>
<b>San Joaquin River Subtotal</b>	<b>20,718</b>	<b>637,998</b>	<b>17,036</b>	<b>- na -</b>	<b>320,011</b>	<b>861,292</b>
<b>Total - CVP</b>	<b>315,840</b>	<b>4,720,821</b>	<b>538,891</b>	<b>18,097,522</b>	<b>1,459,099</b>	<b>1,875,468</b>

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

- 1/ Does not include water quantities and acreage for 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. Does not include power releases.
- 4/ M & I use by Clear Creek Community Service District.
- 5/ Does not include irrigated acreage in Corning WD, Colusa County WD, or 4-M WD.
- 6/ Total delivery under water right settlement contracts and contractors water rights.
- 7/ Does not include irrigated acreage in RD-108, RD-1004, Robert's Ditch IC, Tisdale I&DC, or 4-E WD.
- 8/ Includes water under water service and water right settlement contracts; some water under contractors water rights.
- 9/ River release is made at Goodwin Dam.
- 10/ Water service contract and water right settlement deliveries are made at Goodwin Dam.
- 11/ Stanislaus River Irrigation Diversions include releases reported from Goodwin Reservoir Daily Operations, Joint Main & South Main Canal Releases.
- 12/ Joint State/Federal use facility.
- 13/ The total amount of Reservoir Evaporation is unavailable.
- 14/ Does not include irrigated acreage in Pacheco WD and Panoche WD.
- 15/ Districts did not report irrigated acreage in time for this report.
- 16/ All contractors include water right settlement contractors except Exchange Contractors below
- 17/ Water diverted directly from San Joaquin River is under water rights of settlement contractors.
- 18/ Does not include irrigated acreage in Coelho Family Trust , Dudley, Laguna WD, and RD No 1066 (all reported not farming) as well as James ID (not reported in time).
- 19/ Represents the irrigation diversions of Central California Irrigation District, Columbia Canal Co., and San Luis Canal Co. and acres irrigated reported for San Luis and Columbia Canal Cos.
- 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/ Acres irrigated incorporated in Mendota Pool figure.
- 24/ Does not include irrigated acreage in Elano-Earlimart ID, Garfield WD, Pixley ID, and Southern San Joaquin MUD.
- 25/ Does not include irrigated acreage in Gravelly Ford WD or Madera ID.



