



2015 WATER DIVERSION REPORT

The following Water Diversion Report has been updated to include January through December of 2015. The corresponding evapotranspiration from Camino, and rainfall totals from Camino and Jenkinson Lake weather stations have been included for your reference.

If you have any questions, please contact Jim Murphy in the Engineering Department at 530-642-4408 or jmurphy@eid.org.



2015 WATER DIVERSION REPORT

YEARS: 2011 – 2015

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WATER DIVERSION REPORT
ALL SOURCES
Diversions in Acre-Feet

Month	2015	2014	2013	2012	2011
January	1,272	2,014	1,516	1,668	1,395
February	1,118	1,131	1,369	1,425	1,303
March	1,687	1,311	1,969	1,367	1,372
April	1,873	1,699	2,358	1,397	1,644
May	2,206	2,602	3,870	3,213	2,774
June	3,256	3,796	4,951	4,528	3,262
July	3,959	4,308	6,004	5,760	4,986
August	3,916	4,153	5,582	6,035	5,590
September	3,392	3,400	4,243	4,899	4,964
October	2,497	2,594	3,373	3,410	2,693
November	1,433	1,539	2,378	1,595	1,774
December	1,202	1,235	1,869	1,283	1,697
TOTAL	27,810	29,784	39,482	36,580	33,453

SOURCES:

1. Folsom Reservoir - CVP water service contract, rediversion of pre-1914 ditch water rights and Weber Reservoir storage, and Project 184 Warren Act Contract diversions
2. Jenkinson Lake - Storage, direct diversion, and pre-1914 water rights.
3. Project 184's El Dorado Forebay Reservoir - Pre-1914 water rights.



WATER DIVERSION REPORT
FOLSOM RESERVOIR - TOTAL
Diversions in Acre-Feet

Month	2015	2014	2013	2012	2011
January	198	97	2	303	89
February	129	139	1	244	0
March	363	228	1	166	1
April	394	332	318	312	266
May	443	541	632	732	644
June	685	736	911	934	690
July	842	780	1,188	1,163	976
August	838	814	980	1,184	1,020
September	721	650	654	958	967
October	605	496	590	664	498
November	264	249	372	269	333
December	185	141	51	47	301
TOTAL	5,666	5,203	5,700	6,976	5,785

SOURCE:

1. USBR Water Service Contract (CVP) - 14-06-1357A-LTR1 (7,550 AF)
2. USBR Warren Act Contract (Ditches) - 06-WC-20-3315 (4,560 AF)
3. USBR Warren Act Contract (P184) - 15-WC-20-4654 (8,500 AF)

NOTE:

USBR Warren Act Contract No. 15-WC-20-4654 (Project 184) was approved in 2014. The terms of this temporary Warren Act Contract allow El Dorado Irrigation District to deliver up to 8,500 AF per year.



WATER DIVERSION REPORT
FOLSOM RESERVOIR - CVP WATER SERVICE CONTRACT
Diversions in Acre-Feet

Month	2015	2014	2013	2012	2011
January	198	97	2	303	89
February	129	139	1	244	0
March	0	228	1	166	1
April	0	0	0	0	0
May	0	0	0	0	0
June	0	306	0	934	0
July	0	634	860	1,163	106
August	0	736	740	1,184	6
September	0	532	496	958	176
October	0	92	255	664	213
November	0	7	0	269	333
December	0	141	51	47	301
TOTAL	327	2,912	2,406	5,932	1,225

SOURCE:

Annual Diversion Reports and USBR Delivery Reports



WATER DIVERSION REPORT
FOLSOM RESERVOIR - DITCHES / WEBER RESERVOIR
 Diversions in Acre-Feet

Month	2015	2014	2013	2012	2011
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	332	318	312	266
May	0	541	632	732	644
June	0	430	911	0	690
July	0	146	328	0	870
August	0	78	240	0	1,014
September	0	118	158	0	791
October	0	404	335	0	285
November	0	242	372	0	0
December	0	0	0	0	0
TOTAL	0	2,291	3,294	1,044	4,560

SOURCE:
 Annual Diversion Reports and Warren Act Delivery Reports



WATER DIVERSION REPORT
FOLSOM RESERVOIR - PROJECT 184 WARREN ACT CONTRACT
Diversions in Acre-Feet

Month	2015	2014	2013	2012	2011
January	0	97	2	303	89
February	0	139	1	244	0
March	363	228	1	166	1
April	394	0	0	0	0
May	443	0	0	0	0
June	685	306	0	934	0
July	842	634	860	1,163	106
August	838	736	740	1,184	6
September	721	532	496	958	176
October	605	92	255	664	213
November	264	7	0	269	333
December	185	141	51	47	301
TOTAL	5,340	2,912	2,406	5,932	1,225

SOURCE:

Annual Diversion Reports and USBR Delivery Reports



WATER DIVERSION REPORT
SLY PARK RESERVOIR (JENKINSON LAKE)
 Diversions in Acre-Feet

Month	2015	2014	2013	2012	2011
January	1,074	1,548	954	1,242	807
February	989	470	597	744	898
March	833	573	1,085	679	740
April	697	705	917	644	698
May	982	1,011	1,861	1,431	1,218
June	1,692	1,600	2,382	2,404	1,705
July	2,159	2,008	3,046	3,367	3,026
August	2,131	1,859	2,775	3,621	3,586
September	1,964	1,700	1,889	2,761	3,039
October	1,830	2,071	2,741	2,673	2,075
November	1,164	1,263	1,959	1,282	1,414
December	1,017	1,067	1,770	1,236	1,394
TOTAL	16,532	15,876	21,975	22,084	20,600

SOURCE:

Sly Park Reservoir (Jenkinson Lake) Daily Operations Report

NOTES:

1. The 2012, 2013, 2014, and 2015 totals include pre-1914 water rights delivered to Jenkinson Lake via the Hazel Creek Tunnel.



WATER DIVERSION REPORT
FOREBAY - PROJECT 184 (PRE-1914)
Diversions in Acre-Feet

Month	2015	2014	2013	2012	2011
January	-	369	560	123	499
February	-	522	771	437	405
March	492	510	883	522	631
April	782	663	1,123	441	680
May	781	1,050	1,377	1,050	912
June	879	1,460	1,657	1,190	867
July	958	1,520	1,770	1,230	984
August	947	1,480	1,827	1,230	984
September	706	1,050	1,700	1,180	958
October	63	27	43	73	120
November	5	27	48	44	27
December	-	27	48	0	2
TOTALS	5,612	8,705	11,807	7,520	7,069

SOURCE:

Summary of Daily Discharge to the EID Main Ditch from Forebay Reservoir (Gage A-18)

NOTES:

1. Forebay diversions include raw water customers and consumptive use via the Reservoir 1 WTP, and do not include diversions to Jenkinson Lake via the Hazel Creek tunnel for consumptive use or the beneficial use of pre-1914 water right entitlements at the El Dorado Powerhouse.
2. Forebay deliveries are limited from Oct - Dec each year due to scheduled repairs and improvements to the El Dorado Canal system.



WATER DIVERSION REPORT
HAZEL CREEK TUNNEL TO JENKINSON LAKE
 Diversions in Acre-Feet

Month	2015	2014	2013	2012	2011
January	-	202	651	134	-
February	-	2,730	1,300	-	-
March	2,439	822	1,440	-	-
April	3,010	447	126	-	-
May	1,894	438	-	-	-
June	-	1,250	-	116	-
July	-	-	8	443	-
August	-	-	-	-	-
September	-	-	-	146	-
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
TOTALS	7,343	5,889	3,525	839	-

SOURCE

Hazel Tunnel Diversion (Gage H-1)

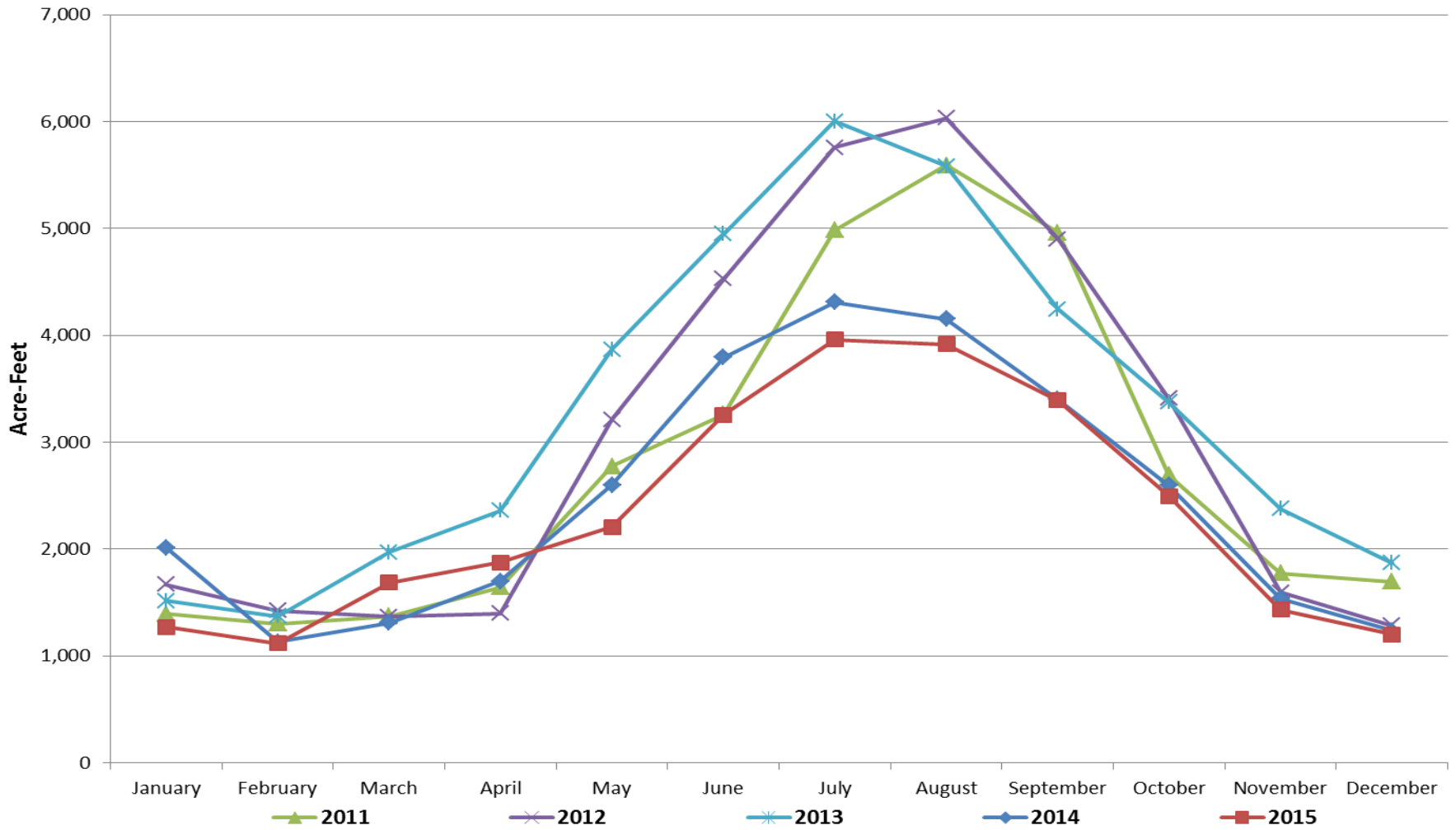
NOTES

The listed portions of the Forebay Project 184 pre-1914 water rights were diverted through the Hazel Creek Tunnel to Jenkinson Lake for consumptive use.



Historic Water Deliveries

Amount Diverted and Delivered into Distribution System





WATER DIVERSION REPORT

RAINFALL TOTALS

In Inches

	2015		2014		2013		2012		2011	
Mon	Camino	Sly Park	Camino	Sly Park	Camino	Sly Park	Camino	Sly Park	Camino	Sly Park
Jan	0.00	0.06	1.31	1.46	0.96	0.56	5.63	6.84	2.60	2.82
Feb	5.81	7.54	10.71	13.58	0.82	0.92	2.72	1.67	5.47	5.47
Mar	0.66	0.92	5.79	7.33	2.72	2.39	11.34	13.48	15.24	17.71
Apr	2.46	3.05	2.46	4.16	1.54	2.66	6.10	7.69	1.65	2.13
May	1.12	0.87	1.41	0.71	0.00	1.28	0.59	0.27	3.35	5.07
Jun	0.31	0.75	0.05	0.00	0.00	1.57	0.75	0.02	3.46	2.53
Jul	0.01	0.05	0.24	0.03	0.00	0.00	0.55	0.20	0.00	0.00
Aug	0.00	0.00	0.16	0.00	0.00	0.00	0.08	0.00	0.00	0.00
Sep	1.97	0.03	1.05	0.94	0.00	2.40	0.12	0.00	0.04	0.77
Oct	1.91	4.69	1.35	0.95	0.65	0.08	1.82	2.30	4.65	3.47
Nov	5.24	5.72	2.88	4.34	1.31	1.80	8.27	9.28	1.57	2.04
Dec	7.41	13.55	8.37	10.75	0.26	0.02	9.63	12.79	0.04	0.03
TOTAL	26.90	37.23	35.78	44.25	8.26	13.68	47.60	54.54	38.07	42.04

SOURCE:

Camino - California Irrigation Management Information Service (CIMIS) weather station at Camino/Fruitridge

Sly Park - Weather station data from Jenkinson Lake (Sly Park Reservoir)



WATER DIVERSION REPORT
EVAPOTRANSPIRATION
In Inches

Month/Year	2015	2014	2013	2012	2011
January	2.30	2.63	1.79	1.92	1.78
February	2.77	2.01	2.52	2.33	2.01
March	4.58	3.71	3.95	2.28	2.17
April	5.53	5.26	5.44	4.53	4.17
May	6.25	7.20	6.66	7.07	5.34
June	8.58	8.71	7.73	7.74	6.63
July	8.57	8.93	9.27	8.8	8.42
August	8.28	7.87	8.17	8.71	8.09
September	6.22	6.00	5.77	6.62	6.24
October	4.37	4.36	4.48	3.81	3.33
November	1.87	2.09	2.59	1.82	1.93
December	1.18	1.2	2.1	1.05	1.99
TOTAL	60.50	59.97	60.47	56.68	52.10
May-Sep Average	7.58	7.74	7.52	7.79	6.94

SOURCE:

Camino - California Irrigation Management Information Service (CIMIS) weather station at Camino/Fruitridge.

DEFINITION:

Evapotranspiration (ET_o) is the combination of evaporation of moisture from the surface of the soil and transpiration through plants, in which water is extracted by the plant's roots and diffused into the atmosphere by the leaves. The factors used in calculating ET are wind velocity, solar radiation (affected by clear or cloudy skies), air temperature, humidity and air pressure. Moisture the soil does not receive in precipitation would need to be made up by irrigation.