Alan Day – *President*
Division 5

George W. Osborne – *Director*
Division 1

Greg Prada – *Director*
Division 2

El Dorado Irrigation District

Bill George – *Director*
Division 3

Dale Coco, MD – *Director*
Division 4

Jim Abercrombie
General Manager

Thomas D. Cumpston
General Counsel

In Reply Refer To: EEO 2014-322

June 27, 2014

VIA FIRST-CLASS MAIL

Barbara Evoy, Deputy Director
Division of Water Rights
State Water Resources Control Board
P.O. Box 2000
Sacramento, CA 95812-2000

SUBJECT: Annual Operations Report for Water Year 2013
Pursuant to Condition No. 7 of Water Rights Permit 21112

Dear Ms. Evoy:

Condition No. 7 of State Water Resources Control Board (SWRCB) Water Right Permit No. 21112 requires the El Dorado Irrigation District (EID or District) to provide an annual operations report to the SWRCB. Enclosed for filing is the report of diversions for the 2013 water year pursuant to that condition.

The first attachment provides withdrawals from Folsom Lake. Attachment 1A shows the monthly diversions (in acre-feet) to the El Dorado Hills Water Treatment Plant (EDHWTP), and allocates the totals among the various District water rights and entitlements under which those diversions were made. Attachment 1B shows total daily intake at the EDHWTP (in millions of gallons per day and acre-feet). The monthly "total" lines match the total monthly diversions shown in Attachment 1A; except where, as indicated, adjustments to incorrect data were necessary.

The second attachment provides daily operation information for the Project 184 Kyburz diversion dam. Attachment 2A shows average daily flow (in cubic feet per second) into the Project 184 El Dorado Canal (USGS 1143900, aka EID A-11). Attachment 2B shows average daily flow (in cubic feet per second) in the South Fork American River downstream of the Kyburz diversion dam (USGS 11439500, aka EID A-12). Average daily flow for the South Fork immediately upstream of the Kyburz diversion dam is the sum of the two gage flows.

The third attachment provides daily operation information on water diverted into the District Main Canal and distribution system from the Project 184 Forebay Reservoir. Attachment 3 shows average daily flow (in cubic feet per second) into the Main Canal (aka EID A-18). The fourth attachment provides daily operation information for Lake Aloha. Attachment 4A provides available daily storage data, expressed in acre-feet (USGS 11434900, aka EID A-1). Attachment 4B provides average daily flow (in cubic feet per second) in Pyramid Creek at Twin Bridges (USGS 11435100, aka EID A-40).

The fifth attachment provides daily operation information for Caples Lake. Attachment 5A provides daily storage data, expressed in acre-feet (USGS 11436950, aka EID A-5). Attachment 5B provides average daily flow (in cubic feet per second) released at the Caples Lake dam outlet (USGS 11436999, aka EID A-6).

The sixth attachment provides daily operation information for Silver Lake. Attachment 6A provides daily storage data, expressed in acre-feet (USGS 11435900, aka EID A-8). Attachment 6B provides average daily flow (in cubic feet per second) released at the Silver Lake dam outlet (USGS 11436000, aka EID A-9). Attachment 6C provides flow readings of Silver Lake leakage, in cubic feet per second (USGS 11436500, aka EID A-24). These data reflect readings taken during the months that appreciable leakage occurs, which is normally between a full reservoir and a 12.0 foot staff gage reading (which corresponds to a 3,756 AF storage volume).

Condition No. 7 in SWRCB Water Right Permit No. 21112 also requires the District to record the beneficial use of water authorized by the Order and to report diversions to the Division of Water Rights. No diversions or beneficial uses of water were made pursuant to Permit 21112 in water year 2013.

Condition No. 13 in SWRCB Water Right Permit No. 21112 requires the District to make an annual report on lake level impacts to recreational uses at Lake Aloha, Caples Lake, and Silver Lake. Permittee received no written complaints of adverse effects on recreation resulting from lake levels at Lake Aloha, Caples Lake, and Silver Lake, and is aware of no adverse effects on recreational uses or aesthetic values at Lake Aloha, Caples Lake, and Silver Lake in 2013.

In 2013, Permittee operated Caples Lake and Silver Lake according to the Order Issuing New License for Project 184, issued on October 18, 2006 by the Federal Energy Regulatory Commission. The lake levels at Caples Lake and Silver Lake equaled or exceeded the target minimum levels prescribed in Permit 21112.

On August 23, 2013, Lake Aloha lake levels went below the August end-of-the-month minimum lake-level operational requirements for a critically-dry water year (minimum = 5.0 feet) as specified in Permit 21112 and, by reference, the Project No. 184 license. This is because the District was exercising its pre-1914 water right (S009035), which allows use of up to 360 acre-feet per year and is not subject to the minimum lake-level targets specified in Permit 21112. The District made discretionary releases from Lake Aloha between 8/23 and 8/31 solely under the pre-1914 water right for drinking water uses. The total volume of water utilized during the period from 8/23 to 8/31 is estimated to be 70 acre-feet (5 cfs approximately = 10 acre-feet per day). The District exercised these rights during this period in response to critically dry conditions in the watershed this year.

Finally, we have enclosed a CD that contains all of the attachments in electronic form. In the attachments, the character "E" denotes an estimate. Note, however, that all data from USGS gages, including estimates, were approved by the USGS in December 2013.

We trust that this submission meets the SWRCB needs and complies with our permit obligations.

Please contact me at (530) 642-4029 or bmueller@eid.org if you have any comments or questions.

Sincerely,

Brian Mueller, P.E.
Director of Engineering

BM/JM:krc

Enclosures: Attachments 1 through 6 (CD)

cc w/ enclosures:

Robert E. Donlan, Esq.
Ellison, Schneider & Harris, LLP
2015 H Street
Sacramento, CA 95814

Ernest Mona, Hearings and Special Programs
State Water Resources Control Board
P.O. Box 2000
Sacramento, CA 95812-2000

El Dorado Irrigation District:
Jim Abercrombie, General Manager
Thomas D. Cumpston, General Counsel
Brian D. Poulsen, Jr. Deputy General Counsel
Cindy Megerdigian, P.E., Water/Hydro Engineering Manager
Jim Murphy, Administrative Analyst

El Dorado Irrigation District

Folsom Lake Withdrawals (All Sources)

WY 2013 (Acre Feet)

	PERMIT #21112	USBR Water Service Contract 14-06-200-1357A-LTR1	USBR Warren Act Contract **10-WC-20-3977**	Total Water Diverted
October	0	664	0	664
November	0	269	0	269
December	0	47	0	47
January	0	2	0	2
February	0	1	0	1
March	0	1	0	1
April	0	0	318	318
May	0	0	632	632
June	0	0	911	911
July	0	860	328	1,188
August	0	740	240	980
September	0	496	158	654
TOTAL	**0**	**3,080**	**2,587**	**5,667**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
10/1/12	10786	10.749	32.989
10/2/12	10072	10.072	30.912
10/3/12	18903	8.831	27.103
10/4/12	28841	9.938	30.501
10/5/12	37116	8.275	25.397
10/6/12	46266	9.150	28.082
10/7/12	54087	7.821	24.003
10/8/12	65572	11.485	35.249
10/9/12	71577	6.005	18.430
10/10/12	79930	8.353	25.636
10/11/12	88823	8.893	27.293
10/12/12	97462	8.639	26.514
10/13/12	105940	8.478	26.020
10/14/12	113440	7.500	23.018
10/15/12	122267	8.827	27.091
10/16/12	128891	6.624	20.330
10/17/12	136420	7.529	23.107
10/18/12	142288	5.868	18.009
10/19/12	150384	8.096	24.847
10/20/12	158580	8.196	25.154
10/21/12	164447	5.867	18.006
10/22/12	172242	7.795	23.924
10/23/12	176620	4.378	13.436
10/24/12	180927	4.307	13.219
10/25/12	184050	3.123	9.585
10/26/12	187231	3.181	9.763
10/27/12	190514	3.283	10.076
10/28/12	194434	3.920	12.031
10/29/12	197921	3.487	10.702
10/30/12	201648	3.727	11.439
10/31/12	205408	3.938	12.085
	Total		**663.95**
	Less reported*		**664.00**
	overreported*		**0.05**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
11/1/12	208974	3.566	10.944
11/2/12	5483	5.483	16.828
11/3/12	8121	2.638	8.096
11/4/12	11036	2.915	8.946
11/5/12	14464	3.428	10.521
11/6/12	18059	3.595	11.033
11/7/12	21910	3.851	11.819
11/8/12	25696	3.786	11.620
11/9/12	29202	3.506	10.760
11/10/12	32054	2.852	8.753
11/11/12	34587	2.533	7.774
11/12/12	38017	3.430	10.527
11/13/12	41293	3.276	10.054
11/14/12	44127	2.834	8.698
11/15/12	47155	3.028	9.293
11/16/12	49835	2.680	8.225
11/17/12	52454	2.619	8.038
11/18/12	55516	3.062	9.398
11/19/12	58032	2.516	7.722
11/20/12	60463	2.431	7.461
11/21/12	62733	2.270	6.967
11/22/12	65259	2.526	7.753
11/23/12	67577	2.318	7.114
11/24/12	69572	1.995	6.123
11/25/12	72199	2.627	8.063
11/26/12	74619	2.420	7.427
11/27/12	77370	2.751	8.443
11/28/12	79668	2.298	7.053
11/29/12	81425	1.757	5.392
11/30/12	84123	2.698	8.280
	Total		**269.13**
	Less reported*		**269.00**
	underreported*		**-0.13**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
12/1/12	85647	1.524	4.677
12/2/12	365	0.365	1.120
12/3/12	373	0.008	0.025
12/4/12	380	0.007	0.021
12/5/12	388	0.008	0.025
12/6/12	393	0.005	0.015
12/7/12	393	0.000	0.000
12/8/12	393	0.000	0.000
12/9/12	496	0.103	0.316
12/10/12	1788	1.292	3.965
12/11/12	4108	2.320	7.120
12/12/12	8344	4.236	13.001
12/13/12	10642	2.298	7.053
12/14/12	12334	1.692	5.193
12/15/12	13566	1.232	3.781
12/16/12	13566	0.000	0.000
12/17/12	13566	0.000	0.000
12/18/12	13705	0.139	0.427
12/19/12	13705	0.000	0.000
12/20/12	13705	0.000	0.000
12/21/12	13705	0.000	0.000
12/22/12	13705	0.000	0.000
12/23/12	13705	0.000	0.000
12/24/12	13705	0.000	0.000
12/25/12	13705	0.000	0.000
12/26/12	13705	0.000	0.000
12/27/12	13705	0.000	0.000
12/28/12	13705	0.000	0.000
12/29/12	13705	0.000	0.000
12/30/12	13705	0.000	0.000
12/31/12	13705	0.000	0.000
	Total		**46.74**
	Less reported*		**47.00**
	underreported*		**0.26**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
01/01/13	13705	0.000	0.000
01/02/13	13705	13.705	42.062
01/03/13	0	-13.705	-42.062
01/04/13	2	0.002	0.006
01/05/13	2	0	0.000
01/06/13	2	0	0.000
01/07/13	2	0	0.000
01/08/13	2	0	0.000
01/09/13	2	0	0.000
01/10/13	2	0	0.000
01/11/13	211	0.209	0.641
01/12/13	445	0.234	0.718
01/13/13	445	0	0.000
01/14/13	445	0	0.000
01/15/13	522	0.077	0.236
01/16/13	522	0	0.000
01/17/13	522	0	0.000
01/18/13	522	0	0.000
01/19/13	522	0	0.000
01/20/13	522	0	0.000
01/21/13	522	0	0.000
01/22/13	522	0	0.000
01/23/13	522	0	0.000
01/24/13	522	0	0.000
01/25/13	522	0	0.000
01/26/13	522	0	0.000
01/27/13	522	0	0.000
01/28/13	522	0	0.000
01/29/13	522	0	0.000
01/30/13	522	0	0.000
01/31/13	522	0	0.000
	Total		**1.60**
	Less reported*		**2.00**
	underreported*		**0.40**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
02/01/13	522	0	0.000
02/02/13	0	0	0.000
02/03/13	0	0	0.000
02/04/13	0	0	0.000
02/05/13	0	0	0.000
02/06/13	0	0	0.000
02/07/13	0	0	0.000
02/08/13	0	0	0.000
02/09/13	0	0	0.000
02/10/13	0	0	0.000
02/11/13	0	0	0.000
02/12/13	0	0	0.000
02/13/13	0	0	0.000
02/14/13	39	0.039	0.120
02/15/13	215	0.176	0.540
02/16/13	215	0	0.000
02/17/13	215	0	0.000
02/18/13	215	0	0.000
02/19/13	215	0	0.000
02/20/13	215	0	0.000
02/21/13	215	0	0.000
02/22/13	215	0	0.000
02/23/13	215	0	0.000
02/24/13	215	0	0.000
02/25/13	215	0	0.000
02/26/13	215	0	0.000
02/27/13	215	0	0.000
02/28/13	215	0	0.000
	Total		**0.66**
	Less reported*		**1.00**
	underreported*		**0.34**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
03/01/13	215	0.000	0.000
03/02/13	0	0.000	0.000
03/03/13	0	0.000	0.000
03/04/13	0	0.000	0.000
03/05/13	0	0.000	0.000
03/06/13	0	0.000	0.000
03/07/13	315	0.315	0.967
03/08/13	315	0.000	0.000
03/09/13	315	0.000	0.000
03/10/13	315	0.000	0.000
03/11/13	315	0.000	0.000
03/12/13	315	0.000	0.000
03/13/13	315	0.000	0.000
03/14/13	315	0.000	0.000
03/15/13	315	0.000	0.000
03/16/13	315	0.000	0.000
03/17/13	315	0.000	0.000
03/18/13	315	0.000	0.000
03/19/13	315	0.000	0.000
03/20/13	315	0.000	0.000
03/21/13	315	0.000	0.000
03/22/13	315	0.000	0.000
03/23/13	315	0.000	0.000
03/24/13	315	0.000	0.000
03/25/13	315	0.000	0.000
03/26/13	375	0.060	0.184
03/27/13	375	0.000	0.000
03/28/13	375	0.000	0.000
03/29/13	375	0.000	0.000
03/30/13	375	0.000	0.000
03/31/13	375	0.000	0.000
	Total		**1.15**
	Less reported*		**1.00**
	underreported*		**-0.15**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
04/01/13	375	0.000	0.00000
04/02/13	328	0.328	1.00666
04/03/13	404	0.076	0.23325
04/04/13	1261	0.857	2.63021
04/05/13	2347	1.086	3.33304
04/06/13	3194	0.847	2.59952
04/07/13	4011	0.817	2.50745
04/08/13	6299	2.288	7.02209
04/09/13	9274	2.975	9.13056
04/10/13	10997	1.723	5.28805
04/11/13	13024	2.027	6.22105
04/12/13	19079	6.055	18.58337
04/13/13	23644	4.565	14.01042
04/14/13	29092	5.448	16.72043
04/15/13	33690	4.598	14.11170
04/16/13	38706	5.016	15.39458
04/17/13	41733	3.027	9.29015
04/18/13	44975	3.242	9.95000
04/19/13	49523	4.548	13.95824
04/20/13	50998	1.475	4.52691
04/21/13	55619	4.621	14.18229
04/22/13	60934	5.315	16.31224
04/23/13	66016	5.082	15.59714
04/24/13	71856	5.840	17.92351
04/25/13	77256	5.400	16.57311
04/26/13	81550	4.294	13.17869
04/27/13	86409	4.859	14.91273
04/28/13	91654	5.245	16.09740
04/29/13	97324	5.670	17.40177
04/30/13	103769	6.445	19.78031
	Totals		**318.48**
	Less reported*		**318.00**
	underreported*		**-0.48**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
05/01/13	109571	5.80	17.807
05/02/13	5762	5.76	17.684
05/03/13	11813	6.05	18.571
05/04/13	16835	5.02	15.413
05/05/13	24517	7.68	23.577
05/06/13	31424	6.91	21.198
05/07/13	35907	4.48	13.759
05/08/13	38543	2.64	8.090
05/09/13	42135	3.59	11.024
05/10/13	46583	4.45	13.651
05/11/13	52954	6.37	19.553
05/12/13	58838	5.88	18.059
05/13/13	65664	6.83	20.950
05/14/13	73597	7.93	24.347
05/15/13	80935	7.34	22.521
05/16/13	90088	9.15	28.091
05/17/13	95925	5.84	17.914
05/18/13	102105	6.18	18.967
05/19/13	106983	4.88	14.971
05/20/13	113813	6.83	20.962
05/21/13	123399	9.59	29.420
05/22/13	131996	8.60	26.385
05/23/13	141036	9.04	27.745
05/24/13	149292	8.26	25.338
05/25/13	156031	6.74	20.683
05/26/13	163645	7.61	23.368
05/27/13	171391	7.75	23.773
05/28/13	179765	8.37	25.701
05/29/13	185495	5.73	17.586
05/30/13	193192	7.70	23.623
05/31/13	200229	7.04	21.597
	Totals		**632.33**
	Less reported*		**632.00**
	underreported*		**-0.33**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
06/01/13	207146	6.917	21.229
06/02/13	10187	10.187	31.265
06/03/13	19561	9.374	28.770
06/04/13	29694	10.133	31.099
06/05/13	40105	10.411	31.952
06/06/13	51454	11.349	34.831
06/07/13	62366	10.912	33.490
06/08/13	72809	10.443	32.051
06/09/13	83901	11.092	34.042
06/10/13	96360	12.459	38.238
06/11/13	106169	9.809	30.105
06/12/13	115420	9.251	28.392
06/13/13	124180	8.760	26.885
06/14/13	135327	11.147	34.211
06/15/13	147796	12.469	38.269
06/16/13	159088	11.292	34.656
06/17/13	169962	10.874	33.373
06/18/13	181205	11.243	34.506
06/19/13	191446	10.241	31.431
06/20/13	202168	10.722	32.907
06/21/13	213695	11.527	35.377
06/22/13	222778	9.083	27.877
06/23/13	235389	12.611	38.704
06/24/13	242932	7.543	23.150
06/25/13	248078	5.146	15.794
06/26/13	252069	3.991	12.249
06/27/13	258039	5.970	18.322
06/28/13	266353	8.314	25.516
06/29/13	276482	10.129	31.087
06/30/13	289884	13.402	41.132
	Total		**910.91**
	Less reported*		**911.00**
	underreported*		**0.09**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
07/01/13	301464	11.580	35.540
07/02/13	13096	13.096	40.193
07/03/13	25177	12.081	37.078
07/04/13	37905	12.728	39.063
07/05/13	48800	10.895	33.438
07/06/13	62624	13.824	42.427
07/07/13	73650	11.026	33.840
07/08/13	86365	12.715	39.024
07/09/13	100391	14.026	43.047
07/10/13	112215	11.824	36.289
07/11/13	122752	10.537	32.339
07/12/13	135627	12.875	39.515
07/13/13	148049	12.422	38.124
07/14/13	159829	11.780	36.154
07/15/13	172254	12.425	38.133
07/16/13	185768	13.514	41.476
07/17/13	198248	12.480	38.302
07/18/13	210828	12.580	38.609
07/19/13	223877	13.049	40.049
07/20/13	235700	11.823	36.286
07/21/13	250060	14.360	44.072
07/22/13	264398	14.338	44.005
07/23/13	275995	11.597	35.592
07/24/13	286054	10.059	30.872
07/25/13	298667	12.613	38.710
07/26/13	311462	12.795	39.269
07/27/13	324963	13.501	41.436
07/28/13	335825	10.862	33.337
07/29/13	349669	13.844	42.489
07/30/13	362943	13.274	40.739
07/31/13	375180	12.237	37.557
Total			**1,187.00**
Less reported*			**1,188.00**
underreported*			**1.00**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
08/01/13	387110	11.930	36.614
08/02/13	12572	12.572	38.585
08/03/13	23248	10.676	32.766
08/04/13	36414	13.166	40.408
08/05/13	45372	8.958	27.493
08/06/13	55646	10.274	31.532
08/07/13	67047	11.401	34.991
08/08/13	78424	11.377	34.917
08/09/13	89221	10.797	33.137
08/10/13	97679	8.458	25.958
08/11/13	107658	9.979	30.626
08/12/13	118482	10.824	33.220
08/13/13	128302	9.820	30.139
08/14/13	138915	10.613	32.572
08/15/13	149398	10.483	32.173
08/16/13	157675	8.277	25.403
08/17/13	169371	11.696	35.896
08/18/13	179923	10.552	32.385
08/19/13	191205	11.282	34.626
08/20/13	201601	10.396	31.906
08/21/13	211646	10.045	30.829
08/22/13	222807	11.161	34.254
08/23/13	231898	9.091	27.901
08/24/13	241678	9.780	30.016
08/25/13	250871	9.193	28.214
08/26/13	260641	9.770	29.985
08/27/13	269804	9.163	28.122
08/28/13	279170	9.366	28.745
08/29/13	288802	9.632	29.562
08/30/13	298661	9.859	30.258
08/31/13	307374	8.713	26.741
Total			**979.97**
Less reported*			**980.00**
underreported*			**0.03**

Raw water Flow to the EDHWTP

Date	Read	MGD	Acre Feet
09/01/13	317897	10.523	32.296
09/02/13	9081	9.081	27.870
09/03/13	15208	6.127	18.804
09/04/13	21103	5.895	18.092
09/05/13	29362	8.259	25.348
09/06/13	39431	10.069	30.903
09/07/13	48451	9.020	27.683
09/08/13	56146	7.695	23.617
09/09/13	64502	8.356	25.645
09/10/13	72649	8.147	25.004
09/11/13	81434	8.785	26.962
09/12/13	88565	7.131	21.886
09/13/13	96054	7.489	22.984
09/14/13	104912	8.858	27.186
09/15/13	114442	9.530	29.248
09/16/13	122159	7.717	23.684
09/17/13	128814	6.655	20.425
09/18/13	134980	6.166	18.924
09/19/13	144112	9.132	28.027
09/20/13	151453	7.341	22.530
09/21/13	157585	6.132	18.820
09/22/13	162872	5.287	16.226
09/23/13	165146	2.274	6.979
09/24/13	168274	3.128	9.600
09/25/13	173395	5.121	15.717
09/26/13	179511	6.116	18.771
09/27/13	185475	5.964	18.304
09/28/13	190245	4.770	14.640
09/29/13	197957	7.712	23.669
09/30/13	202489	4.532	13.909
Totals			**653.75**
Less reported*			**654.00**
underreported*			**0.25**

Attachment 2A

WESTERN HYDROLOGIC SYSTEMS

(A-11) EID EL DORADO CANAL NEAR KYBURZ, CA.

USGS #: 11-4390.00

Discharge, Cubic Feet Per Second, Water Year OCT 2012 To SEP 2013

Daily Mean Values

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	0	0	125E	141	135	131	147	148	124	91	32
2	0	0	0	122E	141	134	132	147	150	129	94	31
3	0	0	0	123E	141	135	132	149	149	123	94	32
4	0	0	0	128	141	134	133	149	149	115	93	32
5	0	0	0	129	141	135	132	149	149	109	92	32
6	0	0	9.7E	129	141	133	132	150	148	122	91	30
7	0	0	50 E	133	140	132	132	149	148	122	90	29
8	0	0	69 E	138	137	123	132	149	148	119	89	31
9	0	0	88 E	140	128	132	132	149	149	115	88	32
10	0	0	107 E	141	138	132	132	150	149	122	87	32
11	0	0	106 E	139	133	132	133	149	149	121	86	36
12	0	0	106 E	127	141	132	133	149	147	118	85	38
13	0	0	112 E	101	141	133	133	149	147	116	84	37
14	0	0	97 E	100	141	129	132	149	141	114	82	35
15	0	0	93 E	94	141	127	133	149	148	113	81	33
16	0	0	116 E	95	142	126	133	149	139	85	79	32
17	0	0	139 E	116	142	126	135	148	131	34	78	52
18	0	0	140 E	123	142	128	136	148	124	55	77	62
19	0	0	134 E	128	137	131	137	148	117	85	78	62
20	0	0	123 E	128	124	132	139	149	112	108	76	61
21	0	0	123 E	128	133	131	138	149	135	107	77	73
22	0	0	123 E	129	130	131	139	149	127	105	73	83
23	0	0	123 E	130	140	131	140	149	120	133	70	70
24	0	0	124 E	134	135	131	141	148	134	132	65	69
25	0	0	124 E	137	138	132	142	148	149	129	56	77
26	0	0	124 E	137	136	132	145	148	148	131	53	76
27	0	0	121 E	136	133	132	146	149	148	127	43	75
28	0	0	127 E	138	134	133	146	147	137	124	40	68
29	0	0	127 E	140	------	133	147	149	121	122	40	60
30	0	0	127 E	140	------	133	147	148	110	120	34	15
31	0	------	128 E	141	------	134	------	148	------	112	32	------
TOTAL	17	0	2,860.7	3,949	3,852	4,074	4,095	4,607	4,171	3,491	2,298	1,427
MEAN	.55	0	92.3	127	138	131	137	149	139	113	74.1	47.6
MAX	17	0	140	141	142	135	147	150	150	133	94	83
MIN	0	0	0	94	124	123	131	147	110	34	32	15
AC-FT	34	0	5,670	7,830	7,640	8,080	8,120	9,140	8,270	6,920	4,560	2,830

CAL YEAR 2012	TOTAL	26,508.30	MEAN	72.4	MAX	152	MIN	0	AC-FT	52,580
WTR YEAR 2013	TOTAL	34,841.70	MEAN	95.5	MAX	150	MIN	0	AC-FT	69,110

Attachment 2B

WESTERN HYDROLOGIC SYSTEMS

(A-12) EID SOUTH FORK AMERICAN RIVER NEAR KYBURZ, CA.

USGS #: 11-4395.00

Discharge, Cubic Feet Per Second, Water Year OCT 2012 To SEP 2013

Daily Mean Values

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	62	887	68	82	60	543	602	293	51	31	23
2	44	80	2,490	61	81	87	455	462	307	47	23	23
3	41	58	1,130	58	74	132	445	521	313	46	22	22
4	39	54	651	55	72	132	615	527	358	46	22	
5	36	53	1,570	55	75	124	795	456	332	46	22	
6	35	54	1,460	57	68	134	595	599	271	46	22	
7	34	54	682	50	64	123	548	629	248	46	23	
8	34	53	390	48	56	119	581	701	226	45	23	
9	34	59	277	56	59	110	436	591	219	45	23	
10	34	60	213	61	49	104	379	581	210	46	23	
11	34	54	173	54	44	121	523	615	151	45	23	
12	36	61	167	51	51	143	618	634	101	45	23	
13	39	59	141	91	50	206	675	684	78	46	23	
14	37	60	101	114	50	273	705	767	69	46	23	
15	36	59	100	148	51	326	631	818	75	46	23	
16	35	58	99	87	57	302	509	760	66	46	23	
17	34	102	150	58	55	268	417	646	66	97E	23	
18	34	280	158	52	54	243	370	437	66	76E	23	
19	34	150	92	50	59	230	371	412	66	47	23	
20	34	109	90	51	64	414	385	394	66	46	23	
21	34	190	80	54	53	408	458	376	66	46	23	
22	41	235	84	59	49	314	557	307	67	46	23	
23	57	114	92	61	55	254	591	272	67	46	24	
24	52	95	101	68	54	232	552	253	107	45	25	
25	49	87	87	183	52	255	482	252	377	45	25	
26	50	78	92	241	51	251	521	239	229	45	25	
27	50	73	77	181	52	250	583	245	87	45	25	
28	53	79	68	128	52	316	627	657	67	46	24	
29	56	221	84	110	------	385	641	631	67	46	24	
30	55	1,070	73	86	------	431	687	548	67	46	23	
31	55	------	68	82	------	609	------	468	------	46	23	------
TOTAL	1,283	3,821	11,927	2,578	1,633	7,356	16,295	16,084	4,782	1,506	728	68
MEAN	41.4	127	385	83.2	58.3	237	543	519	159	48.6	23.5	22.7
MAX	57	1,070	2,490	241	82	609	795	818	377	97	31	23
MIN	34	53	68	48	44	60	370	239	66	45	22	22
AC-FT	2,540	7,580	23,660	5,110	3,240	14,590	32,320	31,900	9,490	2,990	1,440	135
												*

CAL YEAR 2012	TOTAL	79,105	MEAN	216	MAX	2,890	MIN	18	AC-FT	156,900
WTR YEAR 2013	TOTAL*	68,061	MEAN	201	MAX	2,490	MIN	22	AC-FT	135,000

* Incomplete Record

Attachment 3

EL DORADO IRRIGATION DISTRICT

(A-18) EID EL DORADO IRRIGATION DISTRICT WEIR

Discharge, Cubic Feet Per Second, Water Year OCT 2012 To SEP 2013

Daily Mean Values

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	1.0	0	0	14.1	14.2	20.4	17.7	29.3	28.5	30.2	30.2
2	.7	1.1	0	0	14.3	14.3	20.6	15.7	29.2	28.4	30.3	30.4
3	.6	1.1	0	0	14.3	14.3	16.3	15.9	29.2	28.5	30.2	30.4
4	.9	1.1	0	1.1	14.3	14.2	15.5	16.4	29.1	28.4	30.1	30.4
5	1.0	1.2	0	1.9	14.3	14.2	15.4	16.4	29.1	28.3	30.3	30.4
6	1.0	1.1	0	1.9	14.3	14.2	15.4	16.2	29.1	28.0	30.1	30.3
7	.9	1.0	0	1.9	14.2	14.2	15.4	16.2	28.9	28.2	30.0	30.0
8	1.0	1.0	0	2.4	14.1	14.2	15.5	18.9	29.1	28.2	29.9	28.9
9	.9	.9	0	5.5	14.1	14.2	18.4	21.2	29.5	28.4	29.5	30.4
10	1.0	.9	0	7.7	14.2	14.2	20.3	21.2	29.4	28.4	30.2	30.3
11	.9	1.0	0	7.9	14.1	14.2	21.4	21.2	29.4	28.4	30.2	30.4
12	.9	1.0	0	8.0	14.1	14.2	19.0	21.2	29.4	28.4	30.2	30.2
13	.9	1.0	0	7.8	14.1	14.2	16.3	21.3	29.4	28.1	30.2	30.2
14	.9	1.1	0	9.7	14.2	14.2	16.3	21.3	29.6	27.6	30.3	30.4
15	.9	1.1	0	14.6	14.2	14.2	14.7	23.9	29.5	27.4	30.3	30.4
16	.9	1.1	0	14.6	14.2	14.3	13.6	26.0	29.4	29.8	30.0	30.3
17	.9	1.1	0	11.9	14.2	14.2	15.7	26.0	29.4	30.9	30.2	30.4
18	1.0	1.0	0	11.7	14.2	14.2	18.9	26.0	29.4	29.5	30.2	30.3
19	1.1	1.0	0	11.8	14.2	14.2	20.6	26.0	29.3	30.2	30.3	30.3
20	1.1	1.0	0	11.8	14.2	14.2	20.2	27.3	29.4	30.2	30.3	30.4
21	1.0	1.0	0	11.9	14.2	14.2	20.3	28.8	29.4	30.2	30.3	30.2
22	1.0	.3	0	12.1	14.2	14.2	22.3	28.8	29.4	30.2	30.2	27.8
23	1.1	0	0	12.1	14.3	14.2	23.0	28.8	29.3	30.2	30.3	21.4
24	1.2	0	0	13.9	14.2	14.2	25.3	28.9	29.4	30.3	30.2	24.4
25	1.2	0	0	15.0	14.2	14.2	25.3	28.9	29.1	30.2	30.1	29.4
26	1.0	0	0	15.0	14.2	14.2	25.3	29.1	29.3	30.3	29.9	31.2
27	1.0	0	0	14.9	14.2	14.2	25.4	29.1	29.3	30.3	29.2	31.1
28	1.0	0	0	15.0	14.2	14.2	25.4	29.0	28.8	30.3	29.6	31.1
29	1.0	0	0	15.0	------	17.8	22.4	29.1	28.5	30.4	30.2	31.0
30	1.0	0	0	14.4	------	20.1	20.7	29.1	28.3	30.3	30.3	11.5
31	.9	------	0	14.1	------	20.1	------	29.2	------	30.2	30.4	------
TOTAL	36.9	22.1	0	285.6	397.6	455.9	585.3	734.8	876.9	906.7	933.7	874.1
MEAN	1.2	.7	0	9.2	14.2	14.7	19.5	23.7	29.2	29.2	30.1	29.1
MAX	8.0	1.2	0	15.0	14.3	20.1	25.4	29.2	29.6	30.9	30.4	31.2
MIN	.6	0	0	0	14.1	14.2	13.6	15.7	28.3	27.4	29.2	11.5
AC-FT	73	44	0	566	789	904	1,161	1,457	1,739	1,798	1,852	1,734

CAL YEAR 2012	TOTAL	3,793.80	MEAN	10.4	MAX	20.0	MIN	0	AC-FT	7,525
WTR YEAR 2013	TOTAL	6,109.60	MEAN	16.7	MAX	31.2	MIN	0	AC-FT	12,120

Attachment 4A

WESTERN HYDROLOGIC SYSTEMS

(A-1) Lake Aloha

USGS #: 11434900

MIDNIGHT CONTENTS IN ACRE-FEET Water Year OCT 2012 To SEP 2013

09/30/12

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	0	348	1,830	1,600	1,280	1,470	2,900	4,600	4,510	1,610	0
2	16	0	749	1,820	1,590	1,270	1,470	2,960	4,600	4,420	1,510	0
3	9.6	0	918	1,810	1,580	1,280	1,490	3,050	4,610	4,340	1,430	0
4	3.4	0	965	1,800	1,570	1,280	1,530	3,170	4,630	4,250	1,340	0
5	0	0	1,200	1,830	1,600	1,280	1,470	3,250	4,600	4,150	1,250	0
6	0	0	1,400	1,780	1,550	1,300	1,600	3,320	4,680	4,050	1,170	0
7	0	0	1,410	1,770	1,540	1,310	1,610	3,380	4,730	3,940	1,070	0
8	0	0	1,440	1,760	1,530	1,300	1,560	3,430	4,770	3,830	991	0
9	0	0	1,450	1,750	1,520	1,290	1,640	3,470	4,830	3,720	911	0
10	0	0	1,450	1,830	1,590	1,280	1,530	3,240	4,680	3,530	830	0
11	0	0	1,450	1,830	1,590	1,280	1,530	3,510	4,680	3,430	752	0
12	0	0	1,450	1,750	1,480	1,270	1,740	3,790	4,790	3,380	674	0
13	0	0	1,480	1,740	1,470	1,270	1,800	3,920	4,740	3,270	570	0
14	0	0	1,500	1,730	1,450	1,290	1,860	4,030	4,680	3,160	463	0
15	0	0	1,500	1,700	1,440	1,320	1,880	4,120	4,680	3,060	355	0
16	0	0	1,490	1,700	1,430	1,330	1,880	4,220	4,690	3,030	234	0
17	0	0	1,550	1,680	1,420	1,340	1,880	4,290	4,710	3,010	195	0
18	0	17	1,590	1,670	1,410	1,350	1,910	4,330	4,720	2,990	156	0
19	0	38	1,590	1,670	1,410	1,350	1,950	4,360	4,710	2,900	118	0
20	0	54	1,610	1,650	1,410	1,390	1,980	4,410	4,700	2,770	82	0
21	0	79	1,580	1,640	1,390	1,420	2,030	4,470	4,630	2,640	48	0
22	0	116	1,630	1,630	1,370	1,420	2,110	4,530	4,560	2,610	16	0
23	0	142	1,720	1,620	1,360	1,410	2,180	4,560	4,490	2,500	0	0
24	0	160	1,770	1,610	1,350	1,410	2,220	4,580	4,500	2,400	0	0
25	0	178	1,770	1,630	1,330	1,410	2,280	4,590	4,820	2,300	0	0
26	0	192	1,850	1,650	1,310	1,410	2,350	4,590	4,860	2,220	0	0
27	0	203	1,870	1,650	1,300	1,410	2,460	4,610	4,790	2,110	0	0
28	0	213	1,860	1,640	1,280	1,410	2,560	4,790	4,730	2,010	0	0
29	0	229	1,850	1,630	------	1,420	2,660	4,800	4,660	1,900	0	0
30	0	283	1,850	1,610	------	1,430	2,800	4,720	4,580	1,790	0	0
31	0	------	1,840	1,610	------	1,450	------	4,630	------	1,700	0	------
MAX	22	283	1,870	1,830	1,600	1,450	2,800	4,800	4,860	4,510	1,610	0
MIN	0	0	348	1,610	1,280	1,270	1,470	2,900	4,490	1,700	0	0
CHANGE		283	1,560	-236	-322	171	1,340	1,830	-46	-2,890	-1,700	0

CAL YEAR 2012 MEAN 981 MAX 4,970 MIN 0
WTR YEAR 2013 MEAN 0 MAX 4,860 MIN 0

Attachment 4B

WESTERN HYDROLOGIC SYSTEMS

(A-40) EID PYRAMID CREEK NEAR TWIN BRIDGES, CA.

USGS #: 11-4351.00

Discharge, Cubic Feet Per Second, Water Year OCT 2012 To SEP 2013

Daily Mean Values

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	21	46	19	22	17	34	77	86	74	40	5.6
2	3.6	19	132	19	21	20	30	63	93	73	40	4.7
3	3.5	15	94	19	21	22	35	79	90	72	40	3.7
4	3.4	14	41	19	21	20	52	76	87	70	39	2.6
5	3.3	14	44	19	21	20	55	65	82	69	39	1.7
6	3.3	13	60	19	20	20	39	86	63	67	39	1.2
7	3.3	12	46	19	19	19	38	59	57	66	38	.84
8	3.2	12	33	19	18	18	39	61	57	65	38	.63
9	3.2	14	29	20	17	18	30	73	56	65	37	.49
10	3.2	14	26	21	16	18	31	88	59	64	37	.44
11	3.2	17	25	20	16	20	48	94	77	63	36	.46
12	3.7	14	26	21	16	25	57	96	76	63	36	.55
13	3.5	14	26	20E	16	31	66	102	65	62	35	.80
14	3.2	15	23	19E	16	38	63	86	55	61	34	.81
15	3.0	14	23	18	17	38	48	72	30	57	34	.81
16	2.9	13	23	17	17	33	38	82	25	22	33	.73
17	2.8	32	23	18	16	29	30	68	24	14	32	.72
18	2.7	37	24	18	16	28	28	53	23	15	31	.76
19	2.6	25	24	18	16	27	32	55	23	51	30	.74
20	2.5	21	21	18	17	37	44	56	23	56	29	.72
21	2.3	60	20	19	15	32	60	60	57	55	27	1.2
22	3.5	41	21	19	15	27	75	56	60	55	26	1.9
23	7.0	24	21	19	15	25	73	42	60	55	24	1.7
24	6.7	22	22	23	21	26	64	39	106	54	15	1.5
25	6.7	20	25	38	14	28	61	55	281	54	8.8	1.4
26	6.2	17	24	36	15	26	72	57	149	53	7.7	1.3
27	8.0	16	24	27	15	26	85	65	87	52	7.4	1.2
28	10	18	24	23	15	32	85	214	81	52	7.4	1.2
29	12	26	21	22	------	36	93	158	77	51	7.0	1.1
30	14	52	21	21	------	37	97	131	75	50	6.6	1.1
31	14	------	22	22	------	40	------	117	------	42	6.3	------
TOTAL	154.2	646	1,034	649	484	833	1,602	2,485	2,184	1,722	860.2	42.60
MEAN	4.97	21.5	33.4	20.9	17.3	26.9	53.4	80.2	72.8	55.5	27.7	1.42
MAX	14	60	132	38	22	40	97	214	281	74	40	5.6
MIN	2.3	12	20	17	14	17	28	39	23	14	6.3	.44
AC-FT	306	1,280	2,050	1,290	960	1,650	3,180	4,930	4,330	3,420	1,710	84

CAL YEAR 2012	TOTAL	11,639.50	MEAN	31.8	MAX	213	MIN	1.4	AC-FT	23,090
WTR YEAR 2013	TOTAL	12,696.00	MEAN	34.8	MAX	281	MIN	.44	AC-FT	25,180

Attachment 5A

WESTERN HYDROLOGIC SYSTEMS

(A-5) EID CAPLES LAKE NEAR KIRKWOOD

USGS #: 11-4369.50

MIDNIGHT CONTENTS IN ACRE-FEET Water Year OCT 2012 To SEP 2013

09/30/12

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14,500	14,100	14,200	15,100	15,000	14,600	15,000	18,900	22,100	21,900	18,800	16,000
2	14,500	14,100	14,500	15,100	15,000	14,500	15,000	19,000	22,200	21,900	18,700	16,000
3	14,500	14,100	14,600	15,100	15,000	14,500	15,100	19,300	22,200	21,900	18,600	15,900
4	14,500	14,100	14,600	15,100	15,000	14,500	15,200	19,500	22,200	21,900	18,500	15,900
5	14,400	14,100	14,800	15,100	15,000	14,400	15,300	19,700	22,100	21,900	18,400	15,800
6	14,400	14,100	14,900	15,100	15,000	14,500	15,300	19,900	22,100	21,800	18,300	15,700
7	14,400	14,000	15,000	15,100	15,000	14,400	15,400	20,100	22,100	21,700	18,200	15,700
8	14,400	14,100	15,000	15,100	15,000	14,400	15,500	20,200	22,100	21,700	18,100	15,600
9	14,400	14,100	15,000	15,100	15,000	14,400	15,500	20,400	22,000	21,600	18,000	15,600
10	14,300	14,100	15,000	15,100	15,000	14,300	15,500	20,600	22,000	21,500	17,900	15,500
11	14,300	14,000	15,000	15,100	15,000	14,300	15,600	20,900	22,100	21,400	17,800	15,500
12	14,300	14,000	15,100	15,100	15,000	14,300	15,700	21,200	22,200	21,300	17,700	15,400
13	14,300	14,000	15,100	15,100	15,000	14,400	15,900	21,600E	22,300	21,200	17,600	15,400
14	14,300	14,000	15,000	15,100	15,000	14,400	16,000	21,700E	22,200	21,100	17,500	15,300
15	14,300	14,000	15,000	15,100	15,000	14,400	16,200	21,700E	22,200	21,000	17,400	15,200
16	14,300	14,000	14,900	15,000	15,000	14,400	16,300	21,600	22,100	21,000	17,300	15,200
17	14,200	14,000	14,900	15,000	14,900	14,500	16,300	21,600	22,000	20,900	17,200	15,100
18	14,200	14,100	14,900	15,000	14,900	14,500	16,400	21,600	21,900	20,800	17,100	15,100
19	14,200	14,000	14,900	15,000	14,900	14,500	16,400	21,600	21,800	20,700	17,100	15,000
20	14,200	14,000	14,900	15,000	14,900	14,600	16,500	21,600	21,800	20,500	17,000	14,900
21	14,200	14,000	14,900	15,000	14,900	14,600	16,700	21,700	21,700	20,400	16,900	14,900
22	14,200	14,100	15,000	15,000	14,900	14,600	16,900	21,900	21,600	20,300	16,800	14,900
23	14,200	14,000	15,100	15,000	14,800	14,600	17,000	21,900	21,600	20,200	16,700	14,800
24	14,200	14,000	15,100	15,000	14,800	14,600	17,200	22,000	21,600	20,000	16,600	14,800
25	14,200	14,000	15,100	15,000	14,700	14,700	17,400	22,000	21,700	19,800	16,500	14,700
26	14,200	14,000	15,100	15,000	14,700	14,700	17,600	22,100	21,700	19,700	16,400	14,700
27	14,200	14,000	15,100	15,000	14,600	14,700	17,800	22,200	21,800	19,500	16,300	14,600
28	14,200	14,100	15,100	15,000	14,600	14,800	18,100	22,200	21,800	19,400	16,300	14,500
29	14,200	14,000	15,100	15,000	------	14,800	18,400	22,200	21,900	19,200	16,200	14,500
30	14,100	14,200	15,100	15,000	------	14,800	18,600	22,100	21,900	19,000	16,100	14,500
31	14,100	------	15,100	15,000	------	14,900	------	22,000	------	18,900	16,100	------
MAX	14,500	14,200	15,100	15,100	15,000	14,900	18,600	22,200	22,300	21,900	18,800	16,000
MIN	14,100	14,000	14,200	15,000	14,600	14,300	15,000	18,900	21,600	18,900	16,100	14,500
CHANGE		83	871	-48	-440	328	3,720	3,390	-149	-2,990	-2,810	-1,610

CAL YEAR 2012	MEAN	11,040	MAX	19,400	MIN	10,600
WTR YEAR 2013	MEAN	0	MAX	22,300	MIN	14,000

Attachment 5B

WESTERN HYDROLOGIC SYSTEMS

(A-6) EID CAPLES LAKE OUTLET

USGS #: 11436999

Discharge, Cubic Feet Per Second, Water Year OCT 2012 To SEP 2013

Daily Mean Values

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	5.8	6.6	8.3	8.3	25	12	13	76	19	44	23
2	5.9	6.0	7.5	8.3	8.3	26	12	14	76	19	44	23
3	5.9	6.4	6.7	8.3	8.3	26	12	14	106	19	44	23
4	5.9	6.3	6.7	8.3	8.4	26	13	14	135	19	44	23
5	5.9	6.3	8.3	8.3	8.5	25	13	14	123	31	44	23
6	5.9	6.3	7.9	8.3	8.5	25	12	14	112	40	44	23
7	5.9	6.4	7.5	8.3	8.5	25	13	15	112	40	44	23
8	5.8	6.4	7.5	8.3	8.5	25	12	15	112	40	44	23
9	5.8	6.4	7.5	8.3	8.5	25	12	15	112	46	44	23
10	5.7	6.5	7.5	8.3	8.5	25	13	15	87	50	44	22
11	5.7	6.6	7.5	8.3	9.7	19	13	15	40	50	43	22
12	5.7	6.6	7.5	8.3	11	14	13	15	17	50	43	22
13	5.7	6.6	7.2	8.3	11	13	13	15	15	50	43	22
14	5.7	6.6	19	8.3	11	12	13	99	45	49	43	22
15	5.7	6.6	32	8.3	11	12	12	188	65	49	43	22
16	5.7	6.6	32	8.3	11	12	12	161	65	31	43	22
17	5.7	6.6	32	8.3	11	12	11	110	65	35	43	22
18	5.7	6.6	24	8.3	11	12	11	86	66	57	43	22
19	5.7	6.6	8.3	8.3	11	12	11	86	66	57	43	22
20	5.7	6.6	8.3	8.3	11	12	11	86	66	58	43	22
21	5.7	6.7	8.3	8.3	11	12	11	53	57	57	43	22
22	5.7	6.6	8.3	8.3	18	12	11	25	43	69	43	22
23	5.8	6.5	8.3	8.3	25	12	11	33	43	79	43	22
24	5.8	6.4	8.3	8.4	25	12	11	42	44	79	43	22
25	5.8	6.4	8.3	8.3	25	12	11	42	44	79	43	22
26	5.8	6.4	8.3	8.3	25	12	11	42	29	79	37	22
27	5.8	6.4	8.3	8.3	25	12	11	47	19	78	29	22
28	5.8	6.4	8.3	8.5	25	12	11	109	19	78	29	22
29	5.8	6.4	8.3	8.7	------	12	11	161	19	78	26	14
30	5.8	6.5	8.3	8.7	------	12	11	169	19	78	23	9.2
31	5.7	------	8.3	8.5	------	12	------	120	------	61	23	------
TOTAL	179.1	193.5	342.8	258.6	372.0	515	354	1,847	1,897	1,624	1,252	648.2
MEAN	5.78	6.45	11.1	8.34	13.3	16.6	11.8	59.6	63.2	52.4	40.4	21.6
MAX	5.9	6.7	32	8.7	25	26	13	188	135	79	44	23
MIN	5.7	5.8	6.6	8.3	8.3	12	11	13	15	19	23	9.2
AC-FT	355	384	680	513	738	1,020	702	3,660	3,760	3,220	2,480	1,290

CAL YEAR 2012	TOTAL	6,930.50	MEAN	18.9	MAX	156	MIN	5.4	AC-FT	13,750
WTR YEAR 2013	TOTAL	9,483.20	MEAN	26.0	MAX	188	MIN	5.7	AC-FT	18,810

Attachment 6A

WESTERN HYDROLOGIC SYSTEMS

(A-8) EID SILVER LAKE NEAR KIRKWOOD

USGS #: 11-4359.00

MIDNIGHT CONTENTS IN ACRE-FEET Water Year OCT 2012 To SEP 2013

09/30/12

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,890	3,470	4,140	3,720E	2,850	2,340	4,040	7,240	8,620	7,960	6,670	5,670
2	3,870	3,460	4,700	3,650E	2,860	2,330	4,040	7,420	8,640	7,920	6,640	5,640
3	3,850	3,440	4,460	3,600E	2,880	2,340	4,060	7,640	8,640	7,880	6,590	5,610
4	3,830	3,430	4,280	3,590E	2,880	2,340	4,200	7,840	8,640	7,840	6,570	5,590
5	3,810	3,410	4,480	3,540E	2,890	2,340	4,250	7,990	8,640	7,790	6,530	5,560
6	3,800	3,400	4,400	3,490E	2,890	2,350	4,250	8,130	8,660	7,740	6,490	5,530
7	3,770	3,390	4,250	3,440E	2,900	2,340	4,260	8,150	8,640	7,700	6,450	5,500
8	3,760	3,400	4,160	3,380	2,900	2,330	4,230	8,240	8,620	7,650	6,420	5,470
9	3,730	3,390	4,090	3,350	2,900	2,310	4,170	8,310	8,600	7,610	6,380	5,450
10	3,710	3,390	4,040	3,320	2,900	2,290	4,160	8,420	8,570	7,560	6,350	5,430
11	3,700	3,380	4,000	3,280	2,880	2,300	4,250	8,560	8,540	7,520	6,310	5,400
12	3,690	3,370	4,000	3,230	2,850	2,340	4,340	8,690	8,500	7,470	6,280	5,380
13	3,670	3,360	3,970	3,180	2,800	2,420	4,420	8,720	8,470	7,430	6,240	5,360
14	3,650	3,340	3,950	3,140	2,770	2,520	4,450	8,600	8,430	7,390	6,210	5,330
15	3,640	3,340	3,940	3,090	2,740	2,620	4,480	8,510	8,390	7,350	6,170	5,310
16	3,620	3,330	3,930	3,050	2,720	2,710	4,440	8,450	8,340	7,300	6,140	5,260
17	3,600	3,410	3,950	3,000	2,690	2,790	4,390	8,420	8,300	7,260	6,100	5,200
18	3,580	3,460	3,950	2,960	2,660	2,850	4,330	8,450	8,250	7,220	6,080	5,130
19	3,560	3,470	3,940E	2,930	2,650	2,930	4,350	8,470	8,210	7,180	6,050	5,060
20	3,550	3,480	3,930E	2,890	2,620	3,040	4,500	8,500	8,170	7,140	6,030	5,000
21	3,520	3,560	3,900E	2,860	2,580	3,100	4,720	8,580	8,120	7,100	6,000	4,990
22	3,550	3,580	3,920E	2,830	2,550	3,150	4,990	8,590	8,080	7,060	5,960	4,930
23	3,570	3,590	3,940E	2,790	2,520	3,200	5,240	8,550	8,040	7,020	5,930	4,870
24	3,570	3,600	3,970E	2,780	2,490	3,240	5,450	8,510	8,050	6,990	5,900	4,800
25	3,550	3,610	3,950E	2,800	2,460	3,320	5,640	8,510	8,130	6,950	5,870	4,720
26	3,530	3,600	3,940E	2,840	2,420	3,370	5,870	8,510	8,120	6,920	5,830	4,640
27	3,520	3,600	3,940E	2,830	2,390	3,440	6,170	8,520	8,100	6,870	5,810	4,570
28	3,510	3,640	3,930E	2,820	2,360	3,540	6,450	8,570	8,070	6,830	5,780	4,510
29	3,500	3,690	3,880E	2,840	------	3,650	6,770	8,580	8,030	6,800	5,750	4,440
30	3,480	3,970	3,840E	2,830	------	3,830	7,070	8,580	8,000	6,750	5,720	4,380
31	3,470	------	3,790E	2,840	------	4,000	------	8,600	------	6,720	5,690	------
MAX	3,890	3,970	4,700	3,720	2,900	4,000	7,070	8,720	8,660	7,960	6,670	5,670
MIN	3,470	3,330	3,790	2,780	2,360	2,290	4,040	7,240	8,000	6,720	5,690	4,380
CHANGE		494	-175	-952	-482	1,640	3,070	1,530	-595	-1,280	-1,020	-1,320

CAL YEAR 2012	MEAN	3,395	MAX	8,680	MIN	460
WTR YEAR 2013	MEAN	0	MAX	8,720	MIN	2,290

Attachment 6B

WESTERN HYDROLOGIC SYSTEMS

(A-9) EID SILVER LAKE OUTLET NEAR KIRKWOOD, CA.

USGS #: 11-4360.00

Discharge, Cubic Feet Per Second, Water Year OCT 2012 To SEP 2013

Daily Mean Values

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	4.6	44	43	11	23	52	11	18	5.0	4.3E	4.3E
2	4.9	4.6	183	43	11	23	52	10	28	5.0	4.0	4.2E
3	4.9	4.7	204	43	11	23	53	10	28	4.9	4.1	4.2E
4	4.7	4.7	144	43	11	23	65	11	28	4.7	4.1	4.1E
5	4.7	4.7	141	43	11	23	86	11	24	4.7	4.1	4.0E
6	4.7	4.7	171	43	12	23	90	51	19	4.7	4.2	3.9E
7	4.7	4.7	136	36	11	23	90	88	19	4.7	4.3	3.9E
8	4.7	4.7	100	29	11	23	92	71	19	4.6	4.2	3.9E
9	4.7	4.7	70	28	11	23	84	53	19	4.6	4.3	3.9E
10	4.7	4.7	48	29	11	23	76	53	13	4.7	4.3	3.9E
11	4.7	4.7	39	29E	17	17	80	53	7.9	4.7	4.2	3.9E
12	4.7	4.7	38	28E	25	13	98	58	6.9	4.7	4.1	3.9
13	4.7	4.7	32	28E	25	13	117	110	6.9	4.7	4.1	3.7
14	4.7	4.7	26	28E	25	13	126	161	6.9	4.7	4.1	3.6
15	4.7	4.7	24	28	24	13	114	146	6.9	4.6	3.8	3.6
16	4.7	4.7	22	28	24	14	104	121	6.8	4.5	3.8	14
17	4.7	4.9	23	27	24	14	97	79	6.8	4.4E	3.9	22
18	4.7	4.9	25	26	24	14	91	41	6.0	4.4E	3.9	22
19	4.6	4.9	23	26	25	14	55	43	5.0	4.4	3.9	22
20	4.6	4.7	22	26	24	15	19	41	5.0	4.4	4.2	22
21	4.6	4.8	19	26	24	15	20	25	5.0	4.4	4.1	22
22	4.7	4.7	20	26	24	15	21	37	5.0	4.4	4.1	22
23	4.7	4.7	26	26	23	15	22	53	5.0	4.4	4.1	22
24	4.7	4.7	28	26	23	15	22	44	5.0	4.6	4.1	26
25	4.7	4.7	24	26	23	15	22	33	5.1	4.6	4.2	32
26	4.7	4.7	24	26	23	15	15	29	5.0	4.4	4.3	32
27	4.7	4.7	22	26	23	15	9.9	32	5.0	4.4	4.6E	29
28	4.7	4.8	30	28	23	16	10	47	5.0	4.3	4.6E	25
29	4.6	4.7	43	19	------	16	11	48	5.0	4.3E	4.6E	25
30	4.6	9.5	43	11	------	16	11	38	5.0	4.3E	4.5E	25
31	4.6	------	43	11	------	33	------	23	------	4.3E	4.4E	------
TOTAL	145.8	146.4	1,837	905	534	556	1,804.9	1,631	330.2	141.5	129.5	421.0
MEAN	4.70	4.88	59.3	29.2	19.1	17.9	60.2	52.6	11.0	4.56	4.18	14.0
MAX	5.0	9.5	204	43	25	33	126	161	28	5.0	4.6	32
MIN	4.6	4.6	19	11	11	13	9.9	10	5.0	4.3	3.8	3.6
AC-FT	289	290	3,640	1,800	1,060	1,100	3,580	3,240	655	281	257	835

CAL YEAR 2012	TOTAL	7,438.93	MEAN	20.3	MAX	240	MIN	.53	AC-FT	14,760
WTR YEAR 2013	TOTAL	8,582.30	MEAN	23.5	MAX	204	MIN	3.6	AC-FT	17,020

Attachment 6C

WESTERN HYDROLOGIC SYSTEMS

(A-24) EID Silver Lake leakage at HWY 88

Discharge, Cubic Feet Per Second, Water Year OCT 2012 To SEP 2013

Daily Mean Values

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	3.5	4.1	3.8	2.6	2.1	3.7	13	21	18	12	6.8E
2	3.9	3.5	5.7	3.8	2.5	2.1	3.8	13	22	18	10	6.8E
3	4.0	3.5	4.5	3.8	2.5	2.2	4.0	14	21	18	13	6.7E
4	4.0	3.5	4.4	3.8	2.5	2.1	4.4	14	21E	19	12 E	6.6E
5	4.0	3.5	5.6	3.7	2.5	2.1	4.6	15	22E	18	12	6.5E
6	3.9	3.3	5.3	3.6	2.6	2.2	4.6	16	22E	16	12 E	6.4E
7	3.8	3.2	5.0	3.5	2.6	2.1	4.5	16	23E	16	12	6.3E
8	3.8	3.3	5.0	3.5	2.6	2.1	4.7	16	23E	17	12	6.2E
9	3.8	3.2	5.0	3.5	2.6	2.1	4.8	16	23E	17	12	6.1E
10	3.8	3.2	5.0	3.5	2.6	2.1	4.9	16	22E	16	10	6.1E
11	3.8	3.2	4.9	3.4	2.6	2.1	5.1	17	22E	17E	11	6.0E
12	3.8	3.2	4.9	3.3	2.5	2.1	5.3	17	21	17E	12 E	6.0E
13	3.7	3.2	4.8	3.3	2.6	2.1	5.4	18	21	17	12 E	5.9E
14	3.7	3.2	4.7	3.2	2.6	2.2	5.5	19	22	17	12	5.9E
15	3.6	3.0	4.7	3.2	2.5	2.3	5.6	21	22E	17	12	5.8E
16	3.5	3.0	4.7	3.2	2.5	2.3	5.7	21	21E	17	11	5.8E
17	3.5	3.4	4.6	3.0	2.3	2.3	5.9	21	20E	16E	10	5.7E
18	3.5	3.3	4.4	2.8	2.3	2.3	5.9	21	19	16	11 E	5.6E
19	3.5	3.2	4.3	2.8	2.4	2.4	6.0	21	18	16E	10 E	5.5E
20	3.5	3.2	4.3	2.8	2.3	2.5	6.0	21	18	15	9.5E	5.5E
21	3.5	3.4	4.3	2.8	2.3	2.5	6.0	20	19	15E	8.8E	5.4E
22	3.7	3.2	4.4	2.7	2.3	2.5	6.3	22	18	15E	8.6E	5.3E
23	3.7	3.2	4.3	2.6	2.3	2.6	6.8	21	18	15	8.4E	5.2E
24	3.7	3.2	4.3	2.7	2.3	2.7	7.3	22	18	13	8.2E	5.1E
25	3.7	3.2	4.2	2.6	2.3	2.8	7.9	21	18E	14	8.0E	5.0E
26	3.6	3.2	4.2	2.6	2.2	2.8	8.5	22	18E	13	7.8E	4.9E
27	3.5	3.2	4.1	2.6	2.1	3.0	9.1	21	17E	13	7.6E	4.8E
28	3.6	3.4	4.1	2.5	2.1	3.3	10	20	17E	13	7.4E	4.7E
29	3.6	3.5	4.1	2.6	------	3.4	11	20	17	11	7.2E	4.6E
30	3.5	4.1	4.1	2.5	------	3.6	12	21	18	12	7.0E	4.5E
31	3.5	------	3.9	2.6	------	3.7	------	21	------	13	6.9E	------
TOTAL	114.7	99.2	141.9	96.3	68.1	76.7	185.3	577	602	485	313.4	171.7
MEAN	3.70	3.31	4.58	3.11	2.43	2.47	6.18	18.6	20.1	15.6	10.1	5.72
MAX	4.0	4.1	5.7	3.8	2.6	3.7	12	22	23	19	13	6.8
MIN	3.5	3.0	3.9	2.5	2.1	2.1	3.7	13	17	11	6.9	4.5
AC-FT	228	197	281	191	135	152	368	1,140	1,190	962	622	341

CAL YEAR 2012	TOTAL	2,593.80	MEAN	7.09	MAX	22	MIN	3.0	AC-FT	5,140
WTR YEAR 2013	TOTAL	2,931.30	MEAN	8.03	MAX	23	MIN	2.1	AC-FT	5,810