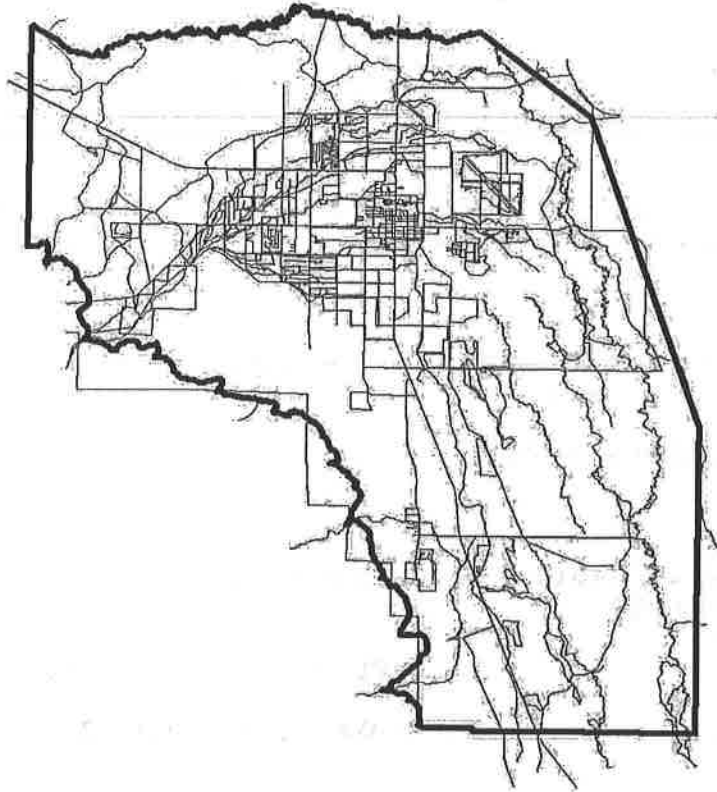


**FINAL**  
**THE BISHOP CONE AUDIT FOR THE 2013-2014 RUNOFF**  
**YEAR**



**Randy Jackson**  
**Senior County Hydrologist**



**Inyo County Water Department**  
**Report 2014-1**  
**February 19, 2015**

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## **INTRODUCTION**

The Bishop Cone audit is an annual accounting of Los Angeles Department of Water and Power's (LADWP) groundwater extraction and water usage on Los Angeles-owned lands on the Bishop Cone. Section VII.A of the Inyo County/Los Angeles long-term groundwater management agreement provides that, "Before the Department may increase groundwater pumping above present levels, or construct any new wells on the [Bishop] Cone, the Technical Group must agree on a method for determining the exact amount of water annually used on Los Angeles-owned lands on the Cone. The agreed upon method shall be based on a jointly conducted audit of such water uses." (Appendix A).

At its October 17, 1995 meeting, the Technical Group agreed to recommend to the Inyo County/Los Angeles Standing Committee the description of a Bishop Cone audit procedure to be incorporated into the Green Book. That audit procedure is attached (See Appendix A of this report for section IV.D of the Green Book). The Green Book is the technical appendix to the long-term agreement. The Inyo County/Los Angeles Standing Committee adopted the procedure on November 7, 1996 as section IV.D of the Green Book.

### **WATER USES ON LADWP-OWNED LAND ON THE BISHOP CONE**

Section IV.D.1.a. of the Green Book states, "For the purposes of the Bishop Cone audit, water usage on Los Angeles-owned land on the Bishop Cone is defined as the quantity of water supplied to such land, including conveyance losses, less any return flow to the aqueduct system" (See Appendix A). Table 1, below, is a compilation of water usage in acre-feet (AF) on LADWP-owned land on the Bishop Cone for the runoff years of 2012-2013 and 2013-2014.

Map 1 attached, shows the location of the Bishop Cone and the pumping and flowing wells on the Bishop Cone. In general, there was a decrease in water use, on most accounts from runoff years 2012-2013 to 2013-2014 as well as an overall total decrease in water use of 2,478.27 acre-feet in 2013-2014. Several accounts were not granted credit this runoff year and await inspections (See Table 1). As of this time, stockwater has not been defined as individual accounts nor has inspection of the accounts taken place. Account BACL and the associated ditch loss measurements have not been explained to the Inyo County Water Department by LADWP. Stockwater and BACL credit is therefore denied until the above work has taken place.

**TABLE 1. WATER USES ON LOS ANGELES-OWNED LAND ON THE BISHOP CONE.**

<b>LADWP ACCOUNT NUMBER</b>	<b>RUNOFF YEAR*<sup>1</sup> 2012-2013 (AF)</b>	<b>RUNOFF YEAR*<sup>1</sup> 2013-2014 (AF)</b>
BA502B,BA354B or BA362B	711.00	555.00
BA302A	149.00	80.00
BA302B	669.55	657.63
BA311	2,984.89	3,308.83
BA313	487.84	466.90
* <sup>3</sup> BA324	945.41	743.49
BA324A	NO DATA	NO DATA
BA324C	NO DATA	NO DATA
BA387A	641.00	577.00
BARECF	323.89	44.43
BA339	198.83	192.91
BA342	NO DATA	NO DATA
BA362C	NO DATA	NO DATA
BA362D	615.43	377.31
BA304	159.00	73.00
BA324B	NO DATA	NO DATA
BA387B	NO DATA	NO DATA
BA397 (SAME AS BA387B-NEW LEASE HOLDER)	2,681.40	2,517.41
BA361A	1,825.00	1,448.83
BA361B	1,926.96	1,844.74
BA502A,BA354A or 362A	963.00	712.00
BARECA	422.00	503.00
BARECC	63.00	0.00
BARECD	3,965.00	3,687.00
BA338	2,000.26	2,047.57
BAOPRA	0.00	0.00
BAOPRB	0.00	0.00
BAGWRA	NO DATA	NO DATA
RV361	17.25	24.55
RV361B	NO DATA	NO DATA
RVRECA	1,042.00	917.00
LARECB	NO DATA	NO DATA
LAE&MH	292.00	292.00
BAICR	NO DATA	NO DATA
BA1478 (SAME AS BAICR-NEW LEASE HOLDER)	194.12	124.41
BA353	225.39	212.03
BA393	94.00	110.00
* <sup>3</sup> BA500	994.63	796.41
* <sup>3</sup> BA005A	33.68	16.89

LADWP ACCOUNT NUMBER	RUNOFF YEAR* <sup>1</sup> 2012-2013 (AF)	RUNOFF YEAR* <sup>1</sup> 2013-2014 (AF)
* <sup>2</sup> BA005B	56.00	24.15
* <sup>2</sup> BA006A	66.70 (No Credit) * <sup>5</sup>	72.24 (No Credit) * <sup>5</sup>
BA1479	1.00	0.00
BA392	526.60 (No Credit) * <sup>5</sup>	252.36 (No Credit) * <sup>5</sup>
BA301 (Aubrey and Moxley)	448.42	282.00
BA335 (Partridge and Johnson)	112.56	128.75
BA394 (Berner)	NO DATA	NO DATA
BA360 (Allen)	NO DATA	NO DATA
BCCL and BACL	2,905.79 (No Credit) * <sup>5</sup>	2,941.91 (No Credit) * <sup>5</sup>
<b>TOTAL</b>	<b>25,243.51</b>	<b>22,765.24</b>

\*<sup>1</sup> A runoff year is defined as starting April 1<sup>st</sup> and ending March 31<sup>st</sup> of the following year.

\*<sup>2</sup> Accounts were first listed in the 2002-2003 runoff year. The account BA006A is an active water use account, but in the past has been denied by Inyo for lack of measuring devices. Devices have not yet been installed at account BA006A. NO DATA –The Account was not active, no data was reported. 0.00-The account was active, no use was reported, data was 0.00 acre-feet.

\*<sup>3</sup> New accounts in years past, field inspection performed and accounts credited.

\*<sup>4</sup> Account BA1479 same as BA342. Account BA502B same as BA354B. Account BA502A same as BA354A.

\*<sup>5</sup> Accounts need field inspection or explanation to establish credit.

### **TOTAL LADWP GROUNDWATER EXTRACTION ON LADWP-OWNED LAND ON THE BISHOP CONE FOR RUNOFF YEARS 2012-2013 AND 2013-2014**

Section IV.D.1.d of the Green Book states, "Total groundwater extraction by LADWP will be compared with corrected water usage on the Bishop Cone for the runoff year. Total groundwater extraction is defined as the sum of all groundwater pumped by LADWP plus the amount of artesian water that flowed out of LADWP uncapped wells on the Bishop Cone during the runoff year."

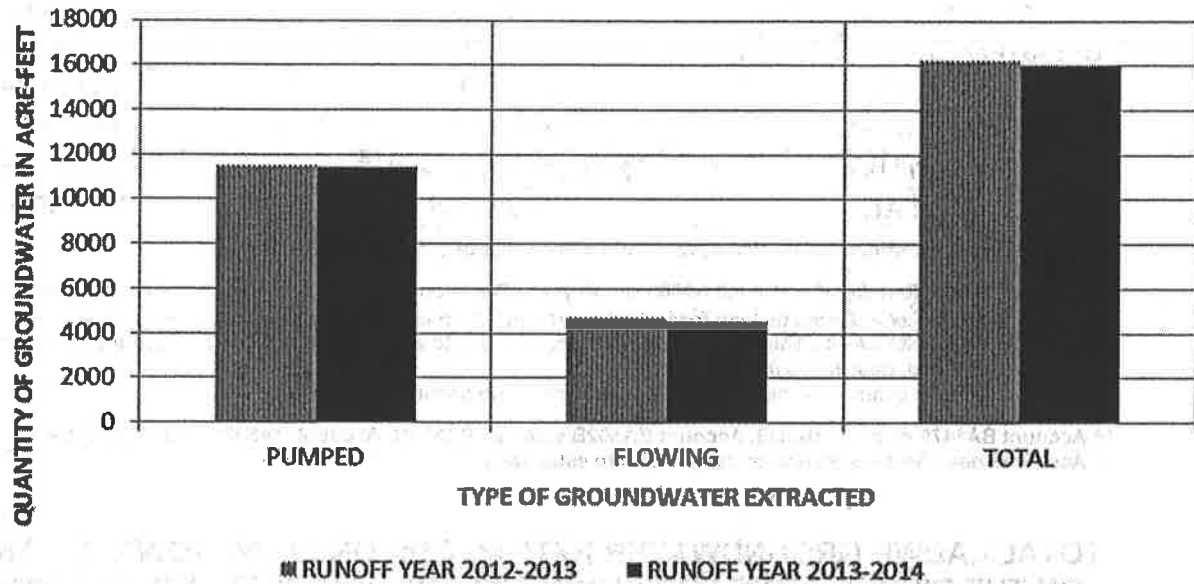
Total LADWP groundwater extraction and groundwater extraction classified as flowing and pumped groundwater in acre-feet, on the Bishop Cone for the runoff years of 2012-2013 and 2013-2014, are shown in Table 2, below. The 2013-2014 Runoff Year groundwater extraction shows a decrease compared to the previous runoff year's extraction of some 218 acre-feet.

**TABLE 2. TYPE OF GROUNDWATER EXTRACTION ON LADWP LANDS ON THE BISHOP CONE**

TYPE OF GROUNDWATER	RUNOFF YEAR 2012-2013 (AF)	RUNOFF YEAR 2013-2014 (AF)
PUMPED	11,491.00	11,433.00
FLOWING	4,697.00	4,527.00
<b>TOTAL</b>	<b>16,188.00</b>	<b>15,960.00</b>

Total groundwater extraction and groundwater extraction classified as flowing and pumped groundwater in acre-feet on LADWP-owned land on the Bishop Cone are shown in a bar chart in Figure 1, below.

**FIGURE 1. TYPE OF LADWP GROUNDWATER AND  
TOTAL GROUNDWATER EXTRACTION ON THE  
BISHOP CONE FOR RUNOFF YEARS 2012-13 AND  
2013-2014**



Flowing and pumped groundwater by well on the Bishop Cone are shown in Table 3, below.

**TABLE 3. FLOWING AND PUMPED GROUNDWATER BY WELL ON THE BISHOP CONE IN RUNOFF YEAR 2013-2014.**

WELL	FLOWING GROUNDWATER (ACRE-FEET)	PUMPED GROUNDWATER (ACRE-FEET)
F121	34	NA
F122	89	NA
F123	116	NA
F124	0	NA
F125	960	NA
F126	243	NA
F127	366	NA
F128	274	NA
F129	143	NA
F130	255	NA
F131	817	NA
F132	289	NA
F133	277	NA
F134	565	NA
F136	99	NA

WELL	FLOWING GROUNDWATER (ACRE-FEET)	PUMPED GROUNDWATER (ACRE-FEET)
W410	NA	2,634
W406	NA	1,221
W371	NA	996
W411	NA	1,617
W407	NA	1,295
W408	NA	1,158
W140	NA	1,313
W412	NA	1,199
<b>TOTAL</b>	<b>4,527</b>	<b>11,433</b>

### COMPLIANCE WITH THE INYO COUNTY/LOS ANGELES LONG-TERM GROUNDWATER MANAGEMENT AGREEMENT

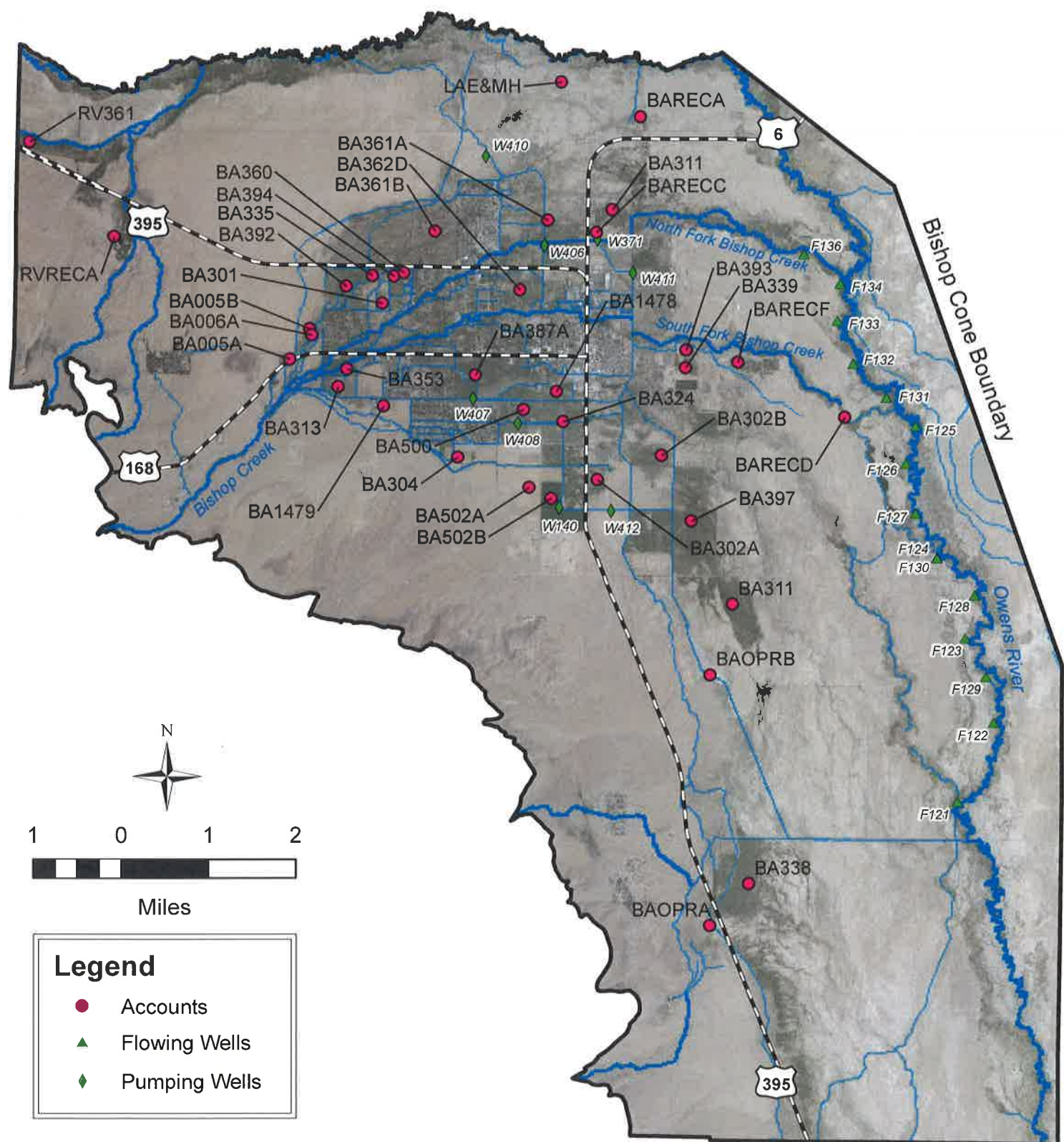
The Inyo County/Los Angeles long-term groundwater management agreement provides that, during any runoff year, total groundwater extraction by LADWP on the Bishop Cone shall not exceed water usage on Los Angeles-owned land on the Cone. Table 4, below, shows that LADWP was within compliance with the above provision for runoff years 2012-2013 and 2013-2014.

**TABLE 4. LADWP USES IN COMPARISON TO LADWP GROUNDWATER EXTRACTION ON THE BISHOP CONE.**

	RUNOFF YEAR 2012-2013 (AF)	RUNOFF YEAR 2013-2014 (AF)
<b>TOTAL USES</b>	<b>25,243.51</b>	<b>22,765.24</b>
<b>TOTAL GROUNDWATER EXTRACTION</b>	<b>16,188.00</b>	<b>15,960.00</b>



# Map 1. Bishop Cone Audit Features



BACL Not Shown on Map



## **APPENDIX A**

### **Section VII.A of the Inyo County/Los Angeles Long-Term Groundwater Management Agreement**

#### **Section IV.D of the Green Book**

## Section VII.A of the Agreement:

### VII. GROUNDWATER PUMPING ON THE BISHOP CONE

- A. Any groundwater pumping by the Department on the "Bishop Cone" (Cone) shall be in strict adherence to the provisions of the Stipulation and Order filed on the 26th day of August, 1940, in Inyo County Superior Court in the case of Hillside Water Company, a corporation, et al. vs. The City of Los Angeles, a Municipal Corporation, et al., ("Hillside Decree").

Before the Department may increase groundwater pumping above present levels, or construct any new wells on the Cone, the Technical Group must agree on a method for determining the exact amount of water annually used on Los Angeles-owned lands on the Cone. The agreed upon method shall be based on a jointly conducted audit of such water uses.

The Department's annual groundwater extractions from the Cone shall be limited to an amount not greater than the total amount of water used on Los Angeles-owned lands on the Cone during that year. Annual groundwater extractions by the Department shall be the total of all groundwater pumped by the Department on the Cone, plus the amount of artesian water that flowed out of the casing of uncapped wells on the Cone during the year. Water used on Los Angeles-owned lands on the Cone, shall be the quantity of water supplied to such lands, including conveyance losses, less any return flow to the aqueduct system.

- B. The overall management goals and principles and the specific goals and principles for each vegetation classification of this Stipulation and Order apply to vegetation on

the Cone.

## FROM THE GREEN BOOK

### D. Bishop Cone Audit

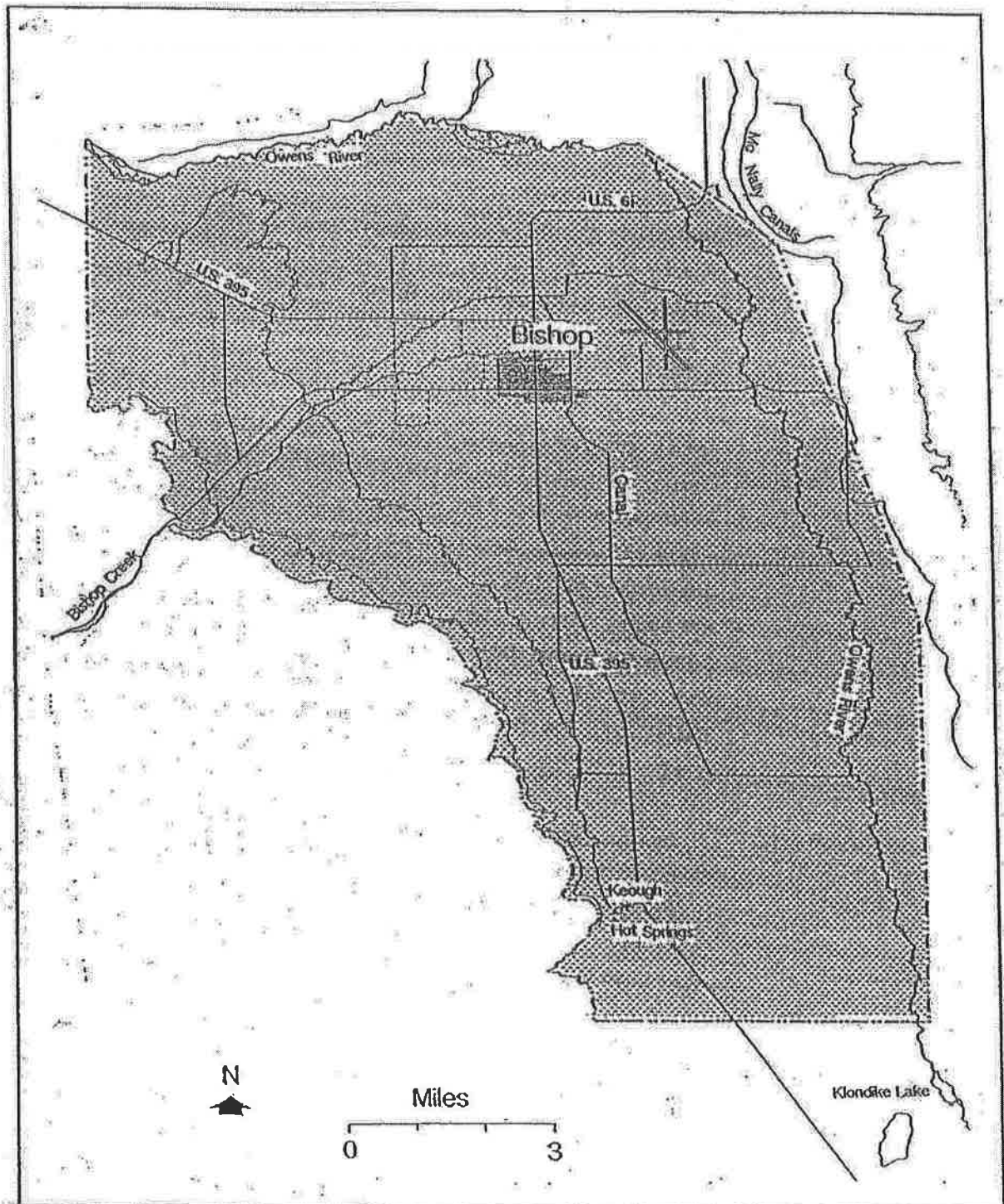
This sub-section describes the procedures for conducting the Bishop Cone audit in accordance with Section VII.A of the Agreement. The Bishop Cone audit is an annual accounting of LADWP groundwater extraction and water usage on Los Angeles-owned land on the Bishop Cone. The Agreement provides that, during any runoff year, total groundwater extraction by LADWP on the Bishop Cone shall not exceed water usage on Los Angeles-owned land on the Cone. The area defined as the Bishop Cone is shown as Figure IV.D.1.

#### 1. Procedures for Conducting the Bishop Cone Audit

- a. For the purposes of the Bishop Cone audit, water usage on Los Angeles-owned land on the Bishop Cone is defined as the quantity of water supplied to such land, including conveyance losses, less any return flow to the aqueduct system. Water usage is documented on a runoff-year basis and is compiled by LADWP each May in the Bishop Area Water Use Report. At the conclusion of each runoff year, LADWP will forward the final water use report for the runoff year to Inyo County.
- b. The final water use report will be compared for consistency with the previous year's report. If measuring stations have been added or removed from the water-use report during the year, or if a significant change in the pattern of water usage occurs (for example, an account that has not received water for one year receives a

FIGURE IV.D.1

## Bishop Cone Boundary



considerable amount the next year), the location will be field-checked. The field-check will evaluate whether changes in water usage warrant the changes noted in the report. If a change is made in the method of delivery to or return from an account that results in an overestimation of uses on the Bishop Cone, water usage for that account will not be credited to the total uses for the audit.

- c. Water usage for accounts BAIND (Bishop Indian Reservation), HA391 (outside of Bishop Cone boundary), and BAWEST (West Bishop private uses) will be subtracted from the total reported water usage.
- d. Total groundwater extraction by LADWP will be compared with the corrected water usage on the Bishop Cone for the runoff year. Total groundwater extraction is defined as the sum of all groundwater pumped by LADWP plus the amount of artesian water that flowed out of uncapped wells on the Bishop Cone during the runoff year. During any runoff year, total groundwater extraction by LADWP on the Bishop Cone shall not exceed water usage on Los Angeles-owned land on the Cone.
- e. A draft report summarizing the results of the Bishop Cone audit will be prepared annually as an Inyo County Water Department report and will be submitted to the Technical Group in June for a 30-day review.
- f. A final Bishop Cone audit report will be submitted in July to the Technical Group, the Standing



Committee, the Inyo County Board of Supervisors,  
and the Inyo County Water Commission.

LADWP will notify Inyo County of any changes in the status, location, or operation of any measuring station used to conduct the Bishop Cone audit at the time the final Bishop Area Water Use Report is submitted to the County. LADWP will also notify the County of any changes in the boundaries of the accounts included in the audit.

Upon request by Inyo County, LADWP will provide measuring station data for accounts included in the audit to assist the County in verifying water usage for individual accounts.

## **APPENDIX B**

### **Data on Uses and Total Groundwater Extracted on the Bishop Cone Supplied by LADWP**

Los Angeles



Department of Water & Power

ERIC GARCETTI  
Mayor

Commission  
MEL LEVINE, *President*  
WILLIAM W. FUNDERBURK JR., *Vice President*  
JILL BANKS BARAD  
MICHAEL F. FLEMING  
CHRISTINA E. NOONAN  
BARBARA E. MOSCHOS, *Secretary*

MARCIE L. EDWARDS  
General Manager

RECEIVED

June 5, 2014

JUN 9 - 2014

Inyo Co. Water Department

Dr. Robert Harrington, Director  
Inyo County Water Department  
P.O. Box 337  
Independence, CA 93526-0337

Dear Dr. Harrington:

Subject: Bishop Cone Audit

This is in response to your letter dated April 4, 2014. Enclosed are copies of the following:

2013-2014 runoff year Bishop Cone Audit Water Use Report.  
2013-2014 runoff year Flowing well discharge data from the Bishop Cone.  
2013-2014 runoff year Pumping well discharge data for the Bishop Cone.

If you have any questions, please contact Mr. William Jones of my staff at (760) 873-0380.

Sincerely,

A handwritten signature in cursive script, reading 'James G. Yannotta'.

James G. Yannotta  
Manager of Aqueduct

Enclosures

c: Mr. William Jones

Los Angeles Aqueduct Centennial Celebrating 100 Years of Water 1913-2013

Bishop, California mailing address: 300 Mandich Street • Bishop, CA 93514-3449 • Telephone: (760) 873-0208 • Fax: (760) 873-0266  
111 North Hope Street, Los Angeles, CA 90012-2607 Mailing address: Box 51111, Los Angeles, CA 90051-5700  
Telephone: (213) 367-4211 [www.LADWP.com](http://www.LADWP.com)



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5/29/14  
12:09

BISHOP CONE AUDIT

PAGE 1

FROM 3/01/14 TO 3/31/14

A C R E - F E E T

MAR

M-T-D

SINCE  
4/01/13

A C C O U N T S & S T A T I O N S

PERIOD

BA502B SMITH & STICKELLS

A-1 DRAIN

3031	A-1 DRAIN PUMP PLANT # 1 S/O HALL DITC	.00	.00	.00
3032	A-1 DRAIN PUMP PLANT # 3 AT WELL # 140	33.00	33.00	555.00
*TOTALS	ACRES= 148 ALOT= 740 LEFT= 185	33.00	33.00	555.00

BA302A BOOTHE

HALL DITCH

3006	HALL DITCH @ GOLF COURSE RETURN	.00	.00	80.00
B02A11	HALL DITCH @ BOOTHE	.37	.37	27.50
B02A21	STOCKWATER	.37-	.37-	27.50-
B02A32	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 47 ALOT= 235 LEFT= 155	.00	.00	80.00

BA302B BOOTHE

BISHOP CREEK CANAL

3161	BISHOP CREEK CANAL #16	22.43	22.43	325.02
3162	BISHOP CREEK CANAL #17	.00	.00	507.00
3164	BISHOP CREEK CANAL #20	10.00	10.00	294.00
3165	BISHOP CREEK CANAL #21	.00	.00	.00
B02B21	STOCKWATER @ #16	22.43-	22.43-	269.06-
B02B22	STOCKWATER @ #20	10.00-	10.00-	169.88-
B02B41	DITCH MAKE	.00	.00	.00
B02B31	OPERATIONS	.00	.00	29.45-
*TOTALS	ACRES= 120 ALOT= 600 LEFT= 57-	.00	.00	657.63

BA311 J.W. CASHBAUGH, ET AL

BISHOP CREEK CANAL

3166	BISHOP CREEK CANAL #5	.00	.00	378.00
3022	BISHOP CREEK CANAL #5A	.00	.00	382.00
3167	BISHOP CREEK CANAL #9	.00	.00	283.00
3168	BISHOP CREEK CANAL #30	54.00	54.00	2738.00
B11201	STOCKWATER @ #30	54.00-	54.00-	472.17-
3022	CREDIT FOR TATUM RETURN @ #5A	.00	.00	.00
B11301	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 561 ALOT= 2805 LEFT= 503-	.00	.00	3308.83

BA313 BOYD & ONEY

NORTH INDIAN DITCH

3016	NORTH INDIAN ABOVE MUMY LANE #58E	179.00	179.00	5176.00
3017	WONACOTT A-2	23.00	23.00	575.00
3015	WONACOTT A-1	33.00-	33.00-	840.00-
3054	WONACOTT A-3 RETURN	.00	.00	319.00-
3051	WONACOTT 58F	23.00-	23.00-	329.00-
3018	NORTH INDIAN B-2	95.00-	95.00-	3256.00-
B13401	NORTH INDIAN DITCH LOSS	51.00-	51.00-	613.70-
B13402	WONACOTT DITCH LOSS	.00	.00	16.40-
B13404	WONACOTT DITCH MAKE	.00	.00	90.00
B13301	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 84 ALOT= 420 LEFT= 46-	.00	.00	466.90

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5/29/14  
12:09

BISHOP CONE AUDIT

PAGE 2

FROM 3/01/14 TO 3/31/14

A C R E - F E E T

A C C O U N T S & S T A T I O N S	PERIOD	MAR M-T-D	SINCE 4/01/13
BA324 DANIELS, ROSSI, HANNON			
NORTH & SOUTH INDIAN DITCH			
3370 NORTH INDIAN DIVERSION W/O SUNLAND	.00	.00	26.00
3270 SOUTH INDIAN D-3	22.00	22.00	1825.00
3005 SOUTH INDIAN DITCH D-4	19.00-	19.00-	935.00-
B244 DITCH LOSS	3.00-	3.00-	173.51-
B2442 DITCH MAKE	.00	.00	1.00
B243 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 163 ALOT= 815 LEFT= 71	.00	.00	743.49
BA1478 INDIAN CREEK RANCH (BL-1478)			
GEORGE & N. INDIAN DITCH			
3002 GEORGE DITCH WEST OF SUNLAND AVENUE	.00	.00	346.00
3068 GEORGE DITCH C-3	.00	.00	262.00-
BICR42 GEORGE DITCH LOSS	.00	.00	52.31-
BAICR4 DITCH MAKE	.00	.00	.00
3264 NORTH INDIAN DITCH BELOW A-1 DRAIN B3A	48.00	48.00	1233.00
3370 NORTH INDIAN DIVERSION W/O SUNLAND	.00	.00	26.00-
3364 NORTH INDIAN DITCH W/O HWY 395	32.00-	32.00-	956.00-
BICR43 NORTH INDIAN DITCH LOSS	16.00-	16.00-	158.28-
BAICR3 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 41 ALOT= 205 LEFT= 80	.00	.00	124.41
BA387A GIACOMINI			
NORTH INDIAN DITCH			
3043 NORTH INDIAN DITCH B-3	.00	.00	460.00
3011 WEST LINE L-2	.00	.00	117.00
B87A3 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 122 ALOT= 610 LEFT= 33	.00	.00	577.00
BARECF RECREATION FOREST SERVICE			
KINGSLEY DITCH			
3023 KINGSLEY DITCH C-4	35.00	35.00	924.00
3183 CEMETERY DITCH	17.00-	17.00-	425.00-
BRCF41 DITCH MAKE	.00	.00	.00
BRCF42 DITCH LOSS	18.00-	18.00-	454.57-
*TOTALS ACRES= 43 ALOT= 129 LEFT= 84	.00	.00	44.43
BA339 DOHNEL			
KINGSLEY DITCH			
3170 KINGSLEY DITCH C-1	33.00	33.00	439.00
B39201 STOCKWATER @ C-1	33.00-	33.00-	246.09-
B39301 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 39 ALOT= 195 LEFT= 2	.00	.00	192.91
BA393 CABALLERO			
KINGSLEY DITCH			
3061 KINGSLEY DITCH PUMP PLANT	.00	.00	53.00
3171 BISHOP CREEK DITCH # 11	.00	.00	57.00
BA933 OPERATIONS @ #11	.00	.00	.00
*TOTALS ACRES= 18 ALOT= 90 LEFT= 20-	.00	.00	110.00

(BCA )  
5/29/14  
12:09

BISHOP CONE AUDIT

PAGE 3

FROM 3/01/14 TO 3/31/14

A C R E - F E E T

A C C O U N T S & S T A T I O N S	PERIOD	MAR M-T-D	SINCE 4/01/13
BA362D JJ TATUM, LJ TATUM DAIRY DITCH			
3388 INDIAN SOUTH RETURN ON SEE-VEE LANE	5.00	5.00	235.00
3389 INDIAN MIDDLE RETURN ON SEE-VEE LANE	.00	.00	106.00
3390 INDIAN NORTH RETURN ON SEE-VEE LANE	5.00	5.00	235.00
B62D21 DAIRY STOCKWATER	10.00-	10.00-	198.69-
B62D31 OPERATIONS DAIRY DITCH	.00	.00	.00
*TOTALS ACRES= 182 ALOT= 578 LEFT= 200	.00	.00	377.31
BA304 ANDREW & DAN BOYD NEWLON DITCH			
3026 NEWLON DITCH BOYD PUMP PLANT	.00	.00	73.00
*TOTALS ACRES= 48 ALOT= 240 LEFT= 167	.00	.00	73.00
BA500 TALBOT GEORGE & S. INDIAN DITCH			
3012 GEORGE DITCH C-1	.00	.00	573.00
3002 GEORGE DITCH WEST OF SUNLAND AVENUE	.00	.00	346.00-
B24B41 BUHS STOCKWATER	.00	.00	14.91-
B24B44 DITCH LOSS	.00	.00	21.65-
B24B04 DITCH MAKE	.00	.00	14.00
3365 PARK WEST RETURN S/O A-DRAIN	.00	.00	57.00
3047 4 X - 58D	29.00	29.00	1580.00
3366 SOUTH INDIAN DITCH DIVERSION # 1 N/O S	.00	.00	29.00
3367 SOUTH INDIAN DITCH DIVERSION # 2 N/O S	.00	.00	435.00
W408 WELL # 408	.00	.00	1158.00
3046 SOUTH INDIAN RETURN AT A-1 DRAIN	.00	.00	556.00-
3270 SOUTH INDIAN D-3	22.00-	22.00-	1825.00-
B004 DITCH LOSS	7.00-	7.00-	294.03-
B0040 DITCH MAKE	.00	.00	8.00
B50B31 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 171 ALOT= 890 LEFT= 93	.00	.00	796.41
BA397 GIACOMINI BISHOP CREEK CANAL			
3172 BISHOP CREEK DITCH # 16-A	.00	.00	.00
3163 BISHOP CREEK DITCH # 19	.00	.00	496.00
3173 BISHOP CREEK DITCH # 19-A	.00	.00	.00
3174 BISHOP CREEK DITCH # 22	.00	.00	435.00
3019 BISHOP CREEK CANAL DIVERSION # 24	.00	.00	672.00
3020 BISHOP CREEK CANAL DIVERSION # 25	.00	.00	161.00
3391 BISHOP CREEK CANAL DIVERSION 26A	.00	.00	677.00
3024 BISHOP CREEK CANAL DIVERSION # 29	31.00	31.00	638.00
3392 FORD RAWSON-DIV 1A	.00	.00	68.00
B9721 STOCKWATER @ #29	31.00-	31.00-	407.96-
B9722 BOOTHE STOCKWATER @ #19	.00	.00	50.37-
B9723 STOCKWATER @ #19 & #24	.00	.00	171.26-
B9731 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 482 ALOT= 2410 LEFT= 107-	.00	.00	2517.41



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A C R E - F E E T

A C C O U N T S & S T A T I O N S PERIOD MAR M-T-D SINCE 4/01/13

BA361A ST RANCH

NORTH FORK BISHOP CREEK

3036	NORTH FORK BISHOP CREEK I-1	53.00	53.00	1343.00
3004	NORTH FORK BISHOP CREEK I-2	.00	.00	414.00
3042	TATUM RETURN AT HIGHWAY 6	.00	.00	33.00-
3039	TATUM RETURN AT BISHOP CREEK CANAL	14.00-	14.00-	203.00-
3022	BISHOP CREEK CANAL #5A	.00	.00	382.00-
B61A21	STOCKWATER @ I-1	39.00-	39.00-	486.17-
3316	WELL #406	.00	.00	796.00
B61A41	DITCH MAKE	.00	.00	.00
B61A31	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 262 ALOT= 1005 LEFT= 443-	.00	.00	1448.83

BA361B ST RANCH

MATLICK DITCH

3009	MATLICK DITCH F-10	66.00	66.00	1607.00
3040	MATLICK DITCH F-13 N	44.00	44.00	801.00
3008	MATLICK DITCH F-13 E	5.00	5.00	295.00
3007	MATLICK DITCH F-14	1.00	1.00	63.00
3035	MATLICK DITCH #154	32.00	32.00	1202.00
3154	TATUM RETURN G-2	.00	.00	26.00-
3037	MATLICK DITCH #63A	6.00-	6.00-	288.00-
3038	TATUM RETURN H-1	.00	.00	159.00-
3003	MATLICK DITCH RETURN @ B-1 DRAIN	4.00-	4.00-	47.00-
3010	MATLICK RETURN @ C DRAIN	69.00-	69.00-	782.00-
B61B41	DITCH LOSS #154 TO RETURN @ B1	24.76-	24.76-	310.43-
B61B42	DITCH MAKE F-10 TO RETURN @ C DRAIN	.00	.00	.00
B61B21	SPENCER STOCKWATER	15.50-	15.50-	179.54-
B61B22	STOCKWATER @ F-10	28.74-	28.74-	331.29-
B61B31	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 412 ALOT= 2365 LEFT= 520	.00	.00	1844.74

BA502A SMITH & STICKELLS

HALL DITCH

3027	HALL DITCH PUMP PLANT # 2 @ DON TATUM	.00	.00	174.00
3028	HALL DITCH PUMP PLANT # 4 AT DON TATUM	.00	.00	538.00
*TOTALS	ACRES= 219 ALOT= 1095 LEFT= 383	.00	.00	712.00

BARECA RECREATION FARMERS PONDS

BISHOP CREEK CANAL

3155	BISHOP CREEK CANAL #5B	.00	.00	503.00
BRCA31	OPERATIONS @ #5B	.00	.00	.00
*TOTALS		.00	.00	503.00

BARECC RECREATION SADDLE CLUB

BISHOP CREEK CANAL

3021	BISHOP CREEK CANAL #67	.00	.00	.00
BRECC3	OPERATIONS	.00	.00	.00
*TOTALS		.00	.00	.00

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A C R E - F E E T

A C C O U N T S & S T A T I O N S	PERIOD	MAR M-T-D	SINCE 4/01/13
BARECD RECREATION BUCKLEY PONDS			
SOUTH FORK BISHOP CREEK			
3194 S FORK BISHOP CR BELOW BISHOP CR CANAL	197.00	197.00	6060.00
3193 SANDERS POND RETURN	104.00-	104.00-	1532.00-
3066 RAWSON POND # 3 RETURN TO OWENS RIVER	20.00-	20.00-	841.00-
BRCD31 OPERATIONS	.00	.00	.00
*TOTALS	73.00	73.00	3687.00
BA338 YRIBARREN			
FORD-RAWSON CANAL & KEOUGH			
2003 FORD RAWSON CANAL DIVERSION #2	45.00	45.00	927.00
2024 FORD RAWSON CANAL DIVERSION #3	5.00	5.00	3041.00
2004 FORD RAWSON CANAL DIVERSION #7	.00	.00	886.00-
2043 YRIBARREN RETURN #2	.00	.00	.00
B38402 FORD RAWSON CANAL LOSS	5.00-	5.00-	589.70-
B38201 STOCKWATER @ #2	45.00-	45.00-	405.19-
B38401 FORD RAWSON CANAL DITCH MAKE	.00	.00	.00
3368 RAWSON & KEOUGH DITCH E/O HWY 395	73.00	73.00	625.00
3369 RAWSON & KEOUGH DITCH RETURN AT A-DRAI	25.00-	25.00-	201.00-
B38202 CASHBAUGH STOCKWATER	11.27-	11.27-	134.94-
B38403 KEOUGH DITCH LOSS	36.73-	36.73-	222.60-
B38301 OPERATIONS	.00	.00	106.00-
*TOTALS ACRES= 427 ALOT= 2135 LEFT= 87	.00	.00	2047.57
BAOPRA OPERATION FORD-RAWSON CANAL			
FORD-RAWSON CANAL			
2026 FORD RAWSON CANAL BELOW BCC	.00	.00	.00
2024 FORD RAWSON CANAL DIVERSION #3	.00	.00	.00
BOPA31 OPERATIONS	.00	.00	.00
*TOTALS	.00	.00	.00
BAOPRB OPERATIONS A-DRAIN			
A-DRAIN			
2086 A-DRAIN DIVERSION TO ARKANSAS FLATS	.00	.00	.00
BOPB31 OPERATIONS	.00	.00	.00
*TOTALS	.00	.00	.00
RV361 ST RANCH			
HORTON CREEK			
BC361 HORTON CREEK E-7	.00	.00	24.55
BC3613 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 26 ALOT= 130 LEFT= 105	.00	.00	24.55
RVRECA RECREATION MILL POND			
MCGEE CREEK			
3185 MCGEE CREEK @ ABELOUR RANCH	187.00	187.00	2319.00
3235 MILL POND RETURN	124.00-	124.00-	1402.00-
RRCA41 DITCH MAKE	.00	.00	.00
*TOTALS	63.00	63.00	917.00

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A C R E - F E E T

A C C O U N T S & S T A T I O N S	PERIOD	MAR M-T-D	SINCE 4/01/13
LAE&MH FIVE BRIDGES RECHARGE			
BISHOP CREEK CANAL			
3242 BISHOP CREEK CANAL DIVERSION #2	.00	.00	319.00
LEMGE5 MITIGATION WATER @ DIVERSION #4	.00	.00	.00
3317 BISHOP CREEK CANAL DIVERSION #6	10.00	10.00	427.00
LEMH2 STOCKWATER @ DIVERSION #2 & #6	10.00-	10.00-	454.00-
LEMH3 OPERATIONS	.00	.00	.00
*TOTALS	.00	.00	292.00
BA353 HADELER & MILORADICH			
WONACOTT & SMITH DITCH			
3015 WONACOTT A-1	33.00	33.00	840.00
3053 TOMMY SMITH DITCH # 162-A	.00	.00	48.00
3017 WONACOTT A-2	23.00-	23.00-	575.00-
BA3534 WONACOTT DITCH LOSS	10.00-	10.00-	100.97-
BA534 DITCH MAKE	.00	.00	.00
BA3533 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 38 ALOT= 190 LEFT= 22-	.00	.00	212.03
BA005A ONEY			
OTEEY DITCH			
3049 # 161 OTEEY	47.00	47.00	708.00
3377 OTEEY DITCH RETURN AT MATLICK DITCH	47.00-	47.00-	676.00-
B05A4 DITCH LOSS	.00	.00	21.11-
B05A42 DITCH MAKE	.00	.00	6.00
*TOTALS ACRES= 13 ALOT= 39 LEFT= 22	.00	.00	16.89
BA005B SAFSTROM			
MATLICK DITCH			
3378 OTEEY DITCH DIVERSION ABOVE MATLICK DIT	.00	.00	30.00
B05B4 DITCH LOSS	.00	.00	5.85-
*TOTALS ACRES= 23 ALOT= 69 LEFT= 44	.00	.00	24.15
BA006A BARTON			
MATLICK DITCH			
3048 # 61-A FRANK ROUFF	6.00	6.00	224.00
B06A2 STOCKWATER	6.00-	6.00-	151.76-
B06A3 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 12 ALOT= 36 LEFT= 36-	.00	.00	72.24
BA1479 HIDDEN CREEKS RANCH			
SOUTH INDIAN DITCH			
3025 SOUTH INDIAN DITCH DIVERSION # 3	.00	.00	.00
B14793 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 27 ALOT= 81 LEFT= 81	.00	.00	.00
BA392 LACEY LIVESTOCK			
YOUNG & MATLICK DITCHES			
3387 MATLICK DITCH TO THE NORTH	25.00	25.00	902.00
3398 MATLICK DITCH #1	87.00	87.00	2325.00
BA9242 DITCH LOSS	7.00-	7.00-	116.64-
3399 REINHACKLE #1	5.00	5.00	841.00

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A C R E - F E E T

A C C O U N T S & S T A T I O N S		PERIOD	MAR M-T-D	SINCE 4/01/13
3400	YOUNG DITCH #1	11.00	11.00	290.00
3401	YOUNG DITCH #2	13.00-	13.00-	481.00-
3406	C-DRAIN AT INTAKE	42.00-	42.00-	1934.00-
BA921	MATLICK DITCH F-10	66.00-	66.00-	1607.00-
BA924	DITCH MAKE	.00	.00	33.00
BA923	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 140 ALOT= 700 LEFT= 447	.00	.00	252.36
BA301 AUBREY & MOXLEY NELLIGAN & YOUNG DITCHES				
3396	NELLIGAN DIV. #1	14.00	14.00	671.00
3397	NELLIGAN BELOW DIV. #1	37.00	37.00	747.00
3401	YOUNG DITCH #2	13.00	13.00	481.00
3050	HOLLAND # 63-B	15.00-	15.00-	233.00-
3404	NELLIGAN DITCH #2	32.00-	32.00-	984.00-
3402	YOUNG DITCH #3	13.00-	13.00-	355.00-
3407	YOUNG DITCH # 4	.00	.00	14.00-
3421	TOM KEY DITCH ABOVE DIVERSION	3.00	3.00	3.00
3422	TOM KEY DITCH BELOW DIVERSION	3.00-	3.00-	3.00-
BA014	DITCH LOSS	4.00-	4.00-	39.00-
BA0144	DITCH MAKE	.00	.00	8.00
BA013	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 99 ALOT= 495 LEFT= 213	.00	.00	282.00
BA335 PARTRIDGE & JOHNSON YOUNG DITCH				
3402	YOUNG DITCH #3	13.00	13.00	355.00
3407	YOUNG DITCH # 4	.00	.00	14.00
3403	YOUNG DITCH RETURN TO NELLIGAN	9.00-	9.00-	157.00-
BA354	DITCH LOSS	4.00-	4.00-	83.25-
BA353	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 30 ALOT= 150 LEFT= 21	.00	.00	128.75
BACL BISHOP CONE CONVEYANCE LOSS				
BCCL1	BA313 DITCH LOSS N INDIAN	51.00	51.00	613.70
BCCL2	BA313 DITCH LOSS WONACOTT	.00	.00	16.40
BCCL3	BA324 DITCH LOSS N & S INDIAN	3.00	3.00	184.51
BCCL4	BA1478 DITCH LOSS GEORGE	.00	.00	52.31
BCCL5	BA1478 DITCH LOSS N INDIAN	16.00	16.00	158.28
BCCL6	BARECF DITCH LOSS KINGSLEY	18.00	18.00	454.57
BCCL7	BA500 DITCH LOSS GEORGE	.00	.00	21.65
BCCL8	BA500 DITCH LOSS S INDIAN	7.00	7.00	294.03
BCCL9	BA361B DITCH LOSS MATLICK	24.76	24.76	310.43
BCCL10	BA338 DITCH LOSS FORD RAWSON	5.00	5.00	589.70
BCCL11	BA353 DITCH LOSS WONACOTT	10.00	10.00	100.97
BCCL12	BA005A DITCH LOSS OTEY	.00	.00	23.11
BCCL13	BA301 DITCH LOSS NELLIGAN	4.00	4.00	39.00
BCCL14	BA335 DITCH LOSS YOUNG	4.00	4.00	83.25
BCCL15	TOTAL DITCH LOSS	142.76-	142.76-	2941.91-
*TOTALS		.00	.00	.00

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A C R E - F E E T

A C C O U N T S   &   S T A T I O N S	PERIOD	MAR M-T-D	SINCE 4/01/13
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AREA SUMMARY	IRG	33.00	33.00	17646.41
	SW	316.31	316.31	4170.78
	OPER	.00	.00	135.45
	E&M	.00	.00	292.00
	GWRC	.00	.00	.00
	REC	136.00	136.00	5151.43
	IND	.00	.00	.00
	DOM	.00	.00	.00
	LORP	.00	.00	.00
TOTAL WATER USE		485.31	485.31	27396.07

TOTAL IRG AC 3997

TOTAL ALOT 19452

DUTY TO DATE 4.4 AF/AC

# 2013/2014 RUNOFF YEAR BISHOP CONE FLOWING WELL TOTALS

(ACRE-FEET)

WELL	2013	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2014	JAN	FEB	MAR	TOTAL
F121	3	3	2	2	2	3	3	3	3	3	3	3	3	3	34
F122	6	4	4	6	6	7	9	9	9	9	9	9	8	9	89
F123	3	8	13	12	12	11	10	10	10	10	10	10	9	10	116
F124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F125	76	81	78	79	79	76	70	80	82	91	88	88	76	83	960
F126	21	19	20	21	21	20	21	22	20	21	21	21	18	19	243
F127	30	31	30	30	30	29	28	31	31	34	32	32	28	32	366
F128	21	30	27	20	20	22	20	20	23	29	24	24	18	20	274
F129	11	13	15	15	15	12	11	11	11	12	10	10	10	12	143
F130	26	15	16	29	29	26	22	21	19	21	20	20	19	21	255
F131	67	69	67	68	68	75	83	66	64	65	66	66	60	67	817
F132	22	24	26	28	28	26	24	24	24	24	24	24	20	23	289
F133	25	23	21	20	20	20	23	23	23	25	25	25	22	27	277
F134	47	49	46	47	47	45	42	44	47	52	51	51	45	50	565
F136	10	8	6	7	7	7	6	6	7	10	11	11	10	11	99
TOTAL	368	377	371	384	384	379	372	370	373	406	394	394	346	387	4527

6/4/2014



**2013/2014 RUNOFF YEAR BISHOP CONE PUMPING WELL TOTALS**  
(ACRE-FEET)

WELL	2013												2014				TOTAL
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR					
W140	205	209	200	204	203	196	96	0	0	0	0	0	0	0	0	0	1313
W207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
W371	89	89	85	87	87	83	87	26	93	93	84	93	93	93	93	93	996
W406	201	207	198	203	202	195	15	0	0	0	0	0	0	0	0	0	1221
W407	162	169	162	95	167	161	165	158	56	0	0	0	0	0	0	0	1295
W408	186	190	228	204	144	192	14	0	0	0	0	0	0	0	0	0	1158
W410	219	225	217	225	224	216	223	216	223	223	201	222	222	222	222	222	2634
W411	262	271	257	270	272	265	20	0	0	0	0	0	0	0	0	0	1617
W412	228	206	203	139	194	201	19	3	2	0	2	2	2	2	2	2	1199
TOTAL	1552	1566	1550	1427	1493	1509	639	403	374	316	287	317	317	317	317	317	11433

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