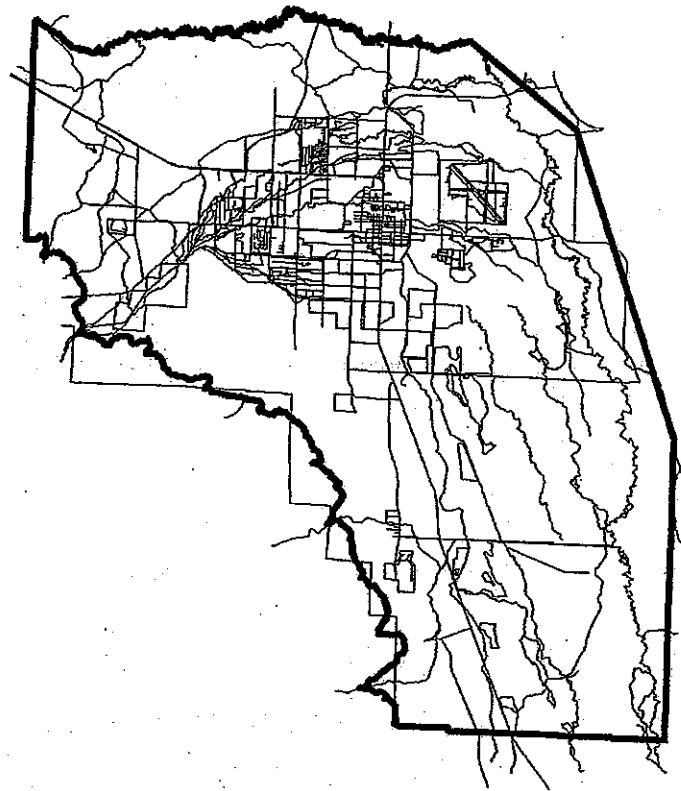


FINAL
THE BISHOP CONE AUDIT FOR THE 2009-2010 RUNOFF
YEAR



Randy Jackson
Senior County Hydrologist



Inyo County Water Department
Report 2010-1
September 20, 2010

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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 2008-2009 and 2009-2010.

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

LADWP ACCOUNT NUMBER	RUNOFF YEAR*¹ 2008-2009 (AF)	RUNOFF YEAR*¹ 2009-2010 (AF)
BA354B or BA362B	354.00	394.00
BA302A	104.00	221.00
BA302B	1184.04	780.18
BA311	2587.95	2465.24
BA313	590.22	434.29
* ³ BA324	1003.58	904.77
BA324A	NO DATA	NO DATA
BA324C	NO DATA	NO DATA
BA387A	960.00	720.99
BARECF	347.10	443.24
BA339	275.94	186.64
BA342	NO DATA	NO DATA

LADWP ACCOUNT NUMBER	RUNOFF YEAR* ¹ 2008-2009 (AF)	RUNOFF YEAR* ¹ 2009-2010 (AF)
BA362C	NO DATA	NO DATA
BA362D	622.48	351.21
BA304	271.00	238.00
BA324B	NO DATA	NO DATA
BA387B	NO DATA	NO DATA
BA397 (SAME AS BA387B-NEW LEASE HOLDER)	2383.79	1899.54
BA361A	2336.75	2356.34
BA361B	1837.63	1331.01
BA354A or 362A	1081.00	952.00
BARECA	565.00	582.00
BARECC	61.00	68.00
BARECD	2992.00	2595.00
BA338	2772.97	2321.21
BAOPRA	0.00	0.00
BAOPRB	0.00	0.00
BAGWRA	NO DATA	NO DATA
RV361	99.53	64.32
RV361B	NO DATA	NO DATA
RVRECA	1159.00	1288.56
LARECB	NO DATA	NO DATA
LAE&MH	0.00	0.00
BAICR	NO DATA	NO DATA
BA1478 (SAME AS BAICR-NEW LEASE HOLDER)	206.16	335.06
BA353	209.74	163.40
BA393	134.32	108.00
* ³ BA500	778.15	562.51
* ³ BA005A	36.59	46.69
* ² BA005B	45.00	61.00
* ² BA006A	0.00(No Credit) * ⁵	35.60(No Credit) * ⁵
BA1479	32.00	31.00
BA392	402.00 (No Credit) * ⁵	119.03 (No Credit) * ⁵
BA301 (Aubrey and Moxley)	600.52	571.74
BA335 (Partridge and Johnson)	213.63	158.79
BA394 (Berner)	58.10 (No Credit) * ⁵	NO DATA
BA360 (Allen)	366.00 (No Credit) * ⁵	NO DATA
TOTAL	25,845.09	22,635.73

*¹ A runoff year is defined as starting April 1st and ending March 31st of the following year.

*² 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.

*3 New accounts in years past, field inspection performed and accounts credited.

*4 Account BA1479 same as BA342.

*5 Accounts need field inspection to establish credit.

Map 1 attached, shows the location of the Bishop Cone, the pumping and flowing wells on the Bishop Cone and the location of selected Bishop Cone accounts. Account information on the map is not complete and it will be updated in the future as data become available. In general, there was a decrease in water use, on most accounts from runoff years 2008-2009 to 2009-2010 as well as an overall total decrease in water use of 3,209.36 acre-feet in 2009-2010. Several accounts were not granted credit this runoff year and await inspections in the runoff year (See Table 1). As of this time, stockwater has not been defined as individual accounts nor has inspection of the accounts taken place. Stockwater credit is therefore denied until the above work has taken place and inspections concerning the individual stockwater accounts have been conducted and successfully confirm the measurement on the accounts.

TOTAL LADWP GROUNDWATER EXTRACTION ON LADWP-OWNED LAND ON THE BISHOP CONE FOR RUNOFF YEARS 2008-2009 AND 2009-2010

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."

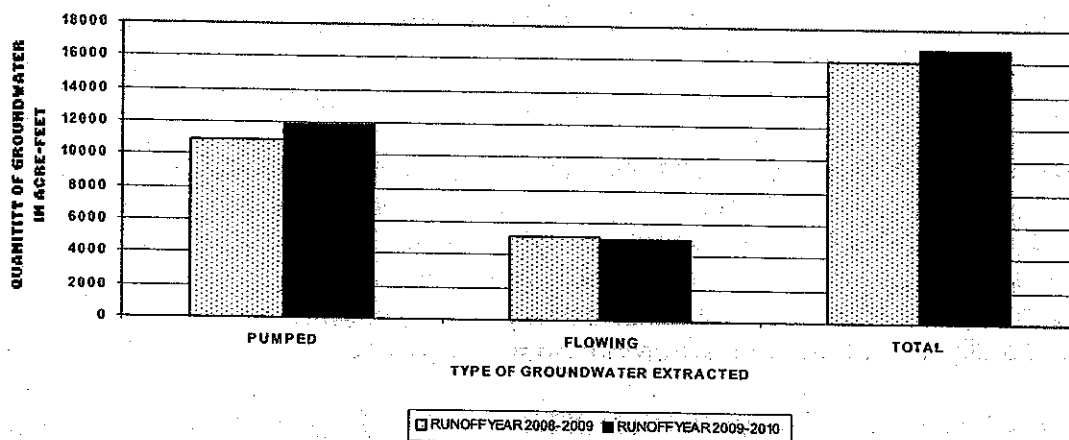
Total LADWP groundwater extraction and groundwater extraction classified as flowing and pumped groundwater in acre-feet, on the Bishop Cone for the runoff years of 2008-2009 and 2009-2010, are shown in Table 2, below. The 2009-2010 Runoff Year groundwater extraction shows an increase over the previous runoff year's extraction of some 721 acre-feet, and is the highest amount of groundwater extraction by LADWP since the Bishop Cone Audit began in Runoff Year 1996-1997.

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

TYPE OF GROUNDWATER	RUNOFF YEAR 2008-2009 (AF)	RUNOFF YEAR 2009-2010 (AF)
PUMPED	10,900.00	11,837.00
FLOWING	5,195.00	4,979.00
TOTAL	16,095.00	16,816.00

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 2008-2009 AND 2009-2010



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 2009-2010.

WELL	FLOWING GROUNDWATER (ACRE-FEET)	PUMPED GROUNDWATER (ACRE-FEET)
F121	36	NA
F122	179	NA
F123	192	NA
F124	0	NA
F125	1016	NA
F126	268	NA
F127	373	NA
F128	368	NA
F129	169	NA
F130	183	NA
F131	840	NA
F132	276	NA
F133	391	NA
F134	587	NA
F136	101	NA
W410	NA	2837
W406	NA	1270
W371	NA	1273
W411	NA	1617
W407	NA	1012
W408	NA	1047
W140	NA	1292
W412	NA	1489
TOTAL	4979	11837

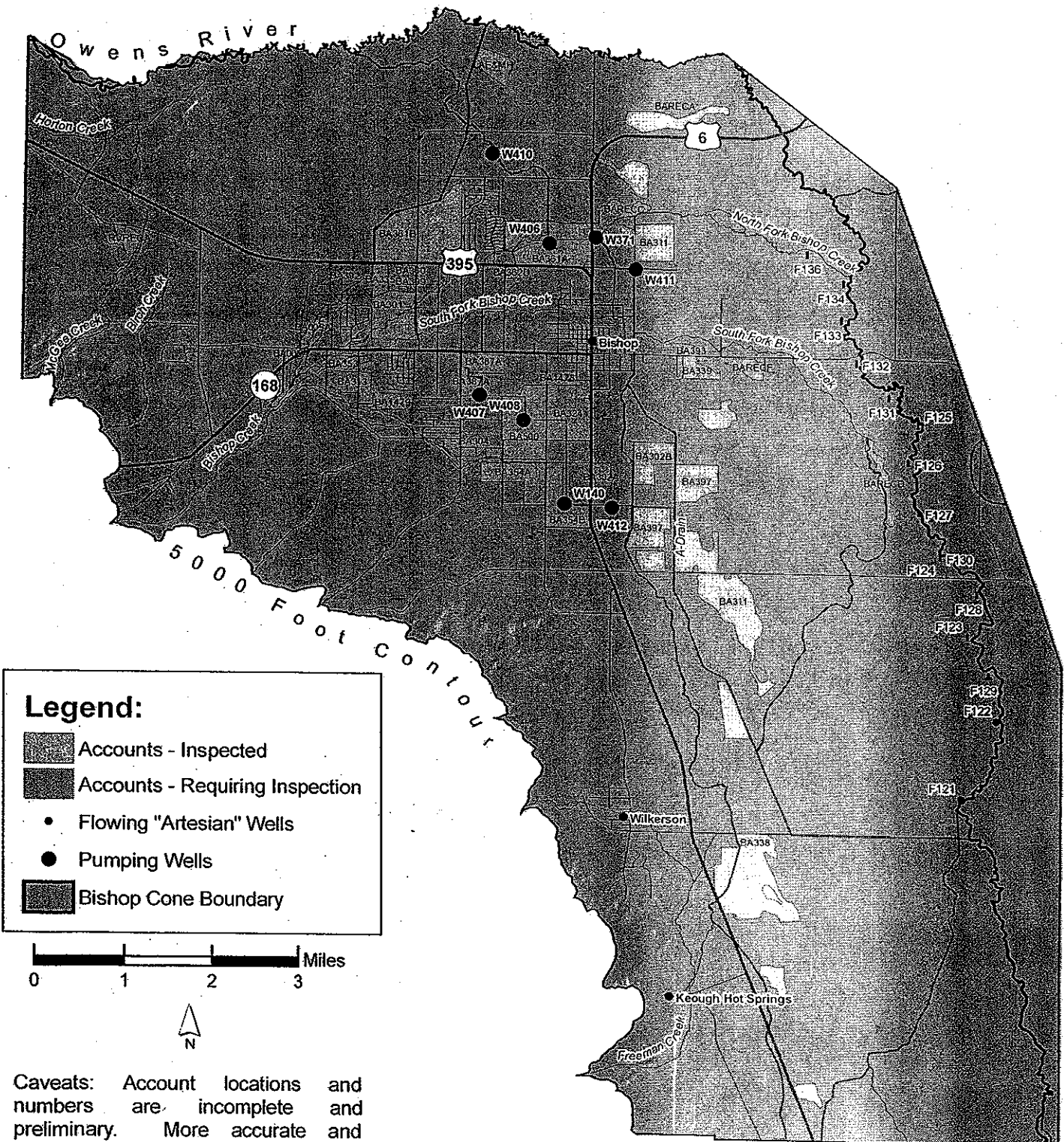
COMPLIANCE WITH THE INYO COUNTY/LOS ANGELES LONG-TERM GROUNDWATER MANAGEMENT AGREEMENT

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 2008-2009 and 2009-2010.

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

	RUNOFF YEAR 2008-2009(AF)	RUNOFF YEAR 2009-2010(AF)
TOTAL USES	25,631.46	22,635.73
TOTAL GROUNDWATER EXTRACTION	16,095.00	16,816.00

Map 1. Bishop Cone Audit Features



APPENDIX A

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

Section IV.D of the Green Book

THE INYO/LA AGREEMENT

1 state water well standards. The sealing of a monitoring well
2 shall be designed to prevent cross flow between aquifers.

3 The EIR describes the impacts of the construction
4 and operation of fifteen (15) new wells. The construction and
5 operation of any new wells not described in the EIR will be
6 the subject of a subsequent CEQA review.

7 The Technical Group may agree that some existing
8 wells that now supply enhancement/mitigation projects be
9 converted to Department production wells. Wells that are the
10 only source of supply for an enhancement/mitigation project
1 shall not be converted. Water for the enhancement/mitigation
2 project formerly supplied by a converted well will be supplied
3 as necessary from Department production wells. Any enhance-
4 ment/mitigation well converted to a production well could
5 later be reverted to an enhancement/mitigation well if agreed
6 to by the Technical Group.

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 provi-
sions 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 ground-
water 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

1 of such water uses.

2 * The Department's annual groundwater extractions
3 from the Cone shall be limited to an amount not greater
4 than the total amount of water used on Los Angeles-owned
5 lands on the Cone during that year. Annual groundwater
6 extractions by the Department shall be the total of all
7 groundwater pumped by the Department on the Cone, plus
8 the amount of, artesian water that flowed out of the
9 casing of uncapped wells on the Cone during the year.
10 Water used on Los Angeles-owned lands on the Cone, shall
11 be the quantity of water supplied to such lands, includ-
12 ing conveyance losses, less any return flow to the
13 aqueduct system.

14 B. The overall management goals and principles and the spe-
15 cific goals and principles for each vegetation classifi-
16 cation of this Stipulation and Order apply to vegetation
17 on the Cone.

18 VIII. GROUNDWATER RECHARGE FACILITIES

19 It is recognized that development of new groundwater
20 storage, and the implementation and operation of feasible
21 groundwater banking and recharge facilities in the Owens
22 Valley and in the Rose Valley that will not cause significant
23 effects on the environment may be beneficial. The development
24 of any such facilities in the Owens Valley and in Rose Valley
25 are subject to agreement of the Inyo County Board of Supervi-
26 sors and the Department, acting through the Standing Commit-
27 tee. The Inyo County Board of Supervisors shall not unreason-
28 ably refuse to agree to a feasible groundwater banking facili-
29 ty that will not cause significant decrease or change in
30 vegetation or a significant effect on the environment. The

GREEN BOOK

Attachment
AGENDA ITEM 4
7 November 1996

D. Bishop Cone Audit

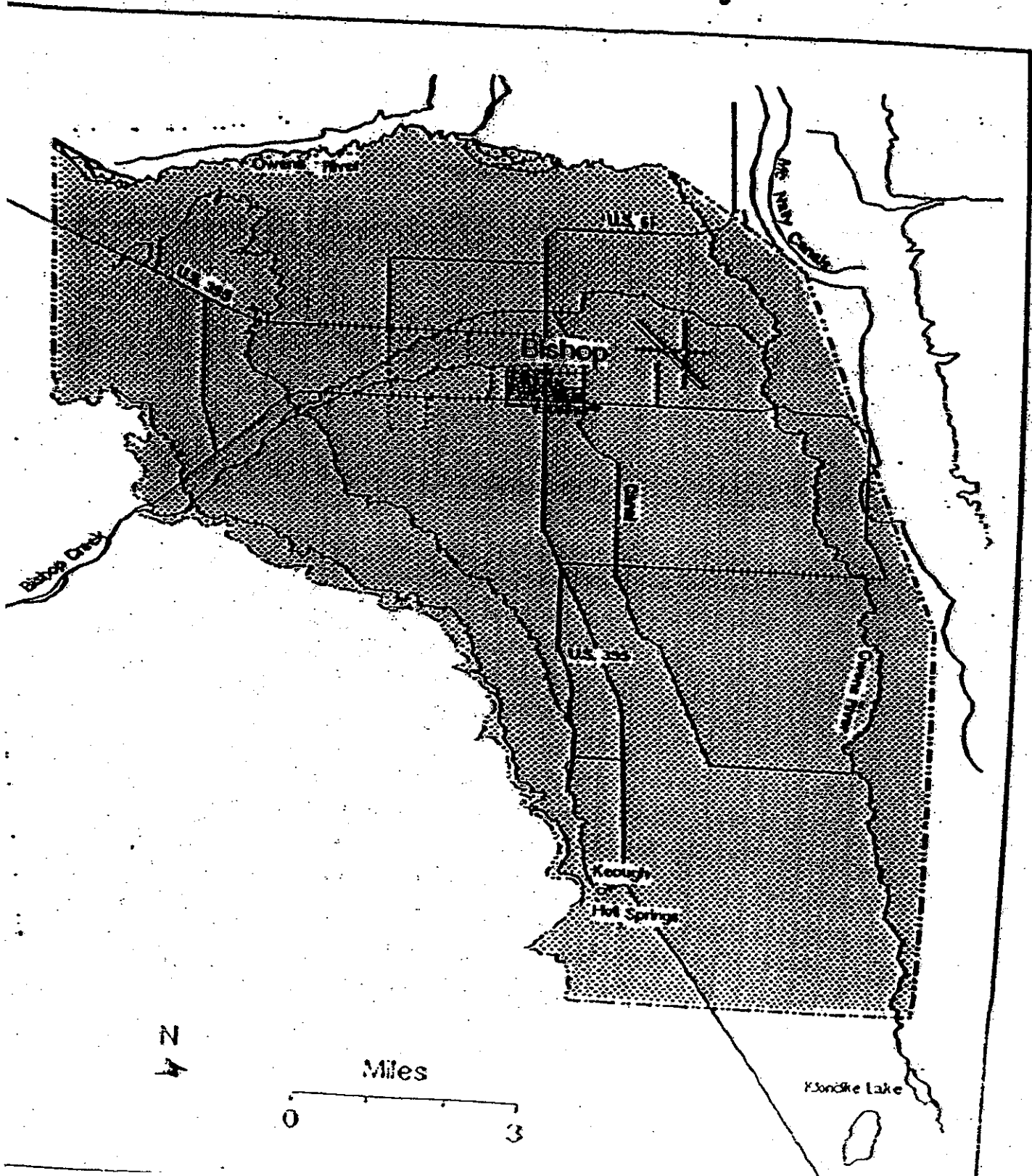
This sub-section describes the procedures for conducting the Bishop Cone audit in accordance with Section VII.A of the Agreement. The Bishop Cone audit is an annual accounting of LADWP groundwater extraction and water usage on Los Angeles-owned land on the Bishop Cone. The Agreement provides that, during 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), BA391 (outside of Bishop Cone boundary), and BANEST (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

Department of Water and Power



the City of Los Angeles

ANTONIO R. VILLARAIGOSA
Mayor

Commission
LEE KANON ALPERT, President
FORESCEE HOGAN-ROWLES
JONATHAN PARFREY
THOMAS S. SAYLES
BARBARA E. MOSCHOS, Secretary

COPY

AUSTIN BEUTNER
General Manager

RAMAN RAJ
Chief Operating Officer

July 20, 2010

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

RECEIVED
JUL 23 2010

Inyo Co. Water Department
RCUD - 7-28-10

Dear Dr. Harrington:

Subject: Bishop Cone Audit

Enclosed is flowing well data from Bishop Cone for the 2009-2010 runoff year. The Los Angeles Department of Water and Power also pumped 11,837 acre-feet of groundwater from the Cone during the year.

Also enclosed is the Bishop Cone Audit Report for the 2009-2010 runoff year.

If you have any questions, please contact Mr. Wayne Hopper, of my staff, at (760) 873-0267.

Sincerely,

Clarence E. Martin
Assistant Aqueduct Manager

Enclosures
c: Mr. Wayne Hopper

Water and Power Conservation . . . a way of life

☐ 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 90051-0100
Telephone: (213) 367-4211 • Cable address: DEWAPOLA

2009/2010 RUNOFF YEAR BISHOP CONE FLOWING WELL TOTALS

(ACRE-FEET)

	2009									2010			
WELL	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	TOTAL
F121	3	3	3	3	3	3	3	3	3	3	3	3	36
F122	15	18	15	16	15	15	13	14	13	15	14	16	179
F123	15	16	17	16	16	15	16	17	16	16	16	16	192
F124	0	0	0	0	0	0	0	0	0	0	0	0	0
F125	80	85	87	83	85	83	88	84	89	89	78	85	1016
F126	24	23	22	22	22	21	23	22	23	23	20	23	268
F127	32	30	31	33	33	31	31	30	31	31	28	32	373
F128	30	32	30	31	32	32	32	29	31	31	27	31	368
F129	14	15	14	14	14	14	14	14	14	14	13	15	169
F130	19	17	15	15	17	14	13	13	16	15	13	16	183
F131	72	70	68	69	69	67	70	75	72	71	64	73	840
F132	27	20	19	19	20	21	25	24	26	26	23	26	276
F133	39	40	33	33	31	30	33	31	30	30	28	33	391
F134	51	46	46	45	46	45	51	51	52	53	48	53	587
F136	11	5	6	5	5	5	9	11	11	11	11	11	101
TOTAL	432	420	406	404	408	396	421	418	427	428	386	433	4979

(BCA)
6/10/10
08:59

BISHOP CONE AUDIT

PAGE 1

FROM 3/01/10 TO 3/31/10

A C C O U N T S & S T A T I O N S		A C R E - F E E T		
		PERIOD	MAR M-T-D	SINCE 4/01/09
BA354B SMITH				
A-1 DRAIN				
3031	A-1 DRAIN PP #1 @ HALL DITCH	.00	.00	.00
3032	A-1 DRAIN PP #3 @ WELL 140	.00	.00	.00
*TOTALS ACRES= 148 ALOT= 740 LEFT= 346		.00	.00	394.00
BA302A ALICE J. BOOTHE, ET AL				
HALL DITCH				
3006	HALL DITCH @ GOLF COURSE RETURN	.00	.00	244.00
B02A11	HALL DITCH @ BOOTHE	5.96	5.96	51.36
B02A21	STOCKWATER	5.96	5.96	51.36
B02A32	OPERATIONS	.00	.00	23.00
*TOTALS ACRES= 47 ALOT= 235 LEFT= 14		.00	.00	221.00
BA302B ALICE J. BOOTH, ET AL				
BISHOP CREEK CANAL				
3161	BISHOP CREEK CANAL #16	82.00	82.00	850.00
3162	BISHOP CREEK CANAL #17	.00	.00	347.00
3164	BISHOP CREEK CANAL #20	31.00	31.00	610.00
3165	BISHOP CREEK CANAL #21	.00	.00	.00
B02B21	STOCKWATER @ #16	30.69	30.69	359.63
B02B22	STOCKWATER @ #20	6.20	6.20	71.70
B02B41	DITCH MAKE	.00	.00	.00
B02B31	OPERATIONS	76.11	76.11	595.49
*TOTALS ACRES= 120 ALOT= 600 LEFT= 180		.00	.00	780.18
BA311 J.W. CASHBAUGH, ET AL				
BISHOP CREEK CANAL				
3166	BISHOP CREEK CANAL #5	.00	.00	587.00
3022	BISHOP CREEK CANAL #5A	.00	.00	357.00
3167	BISHOP CREEK CANAL #9	.00	.00	459.00
3168	BISHOP CREEK CANAL #30	45.00	45.00	2214.00
B11201	STOCKWATER @ #30	30.27	30.27	356.53
3022	CREDIT FOR TATUM RETURN @ #5A	.00	.00	357.00
B11301	OPERATIONS	14.73	14.73	438.23
B11302	OPERATIONS @ DIVERSION #1	.00	.00	.00
*TOTALS ACRES= 561 ALOT= 2805 LEFT= 339		.00	.00	2465.24
BA313 BOYD & ONEY				
NORTH INDIAN DITCH				
3016	NORTH INDIAN ABOVE MUMY LANE #58E	626.00	626.00	7314.00
3017	WONACOTT A-2	76.00	76.00	1041.00
3015	WONACOTT A-1	84.00	84.00	1141.00
3054	WONACOTT A-3 RETURN	32.00	32.00	185.00
3051	WONACOTT 58F	45.00	45.00	751.00
3018	NORTH INDIAN B-2	491.00	491.00	4955.00
B13401	NORTH INDIAN DITCH LOSS	51.00	51.00	780.94
B13402	WONACOTT DITCH LOSS	.00	.00	84.00
B13404	WONACOTT DITCH MAKE	1.00	1.00	20.91
B13301	OPERATIONS	.00	.00	2.86
*TOTALS ACRES= 84 ALOT= 420 LEFT= 14		.00	.00	434.29

(BCA)
6/10/10
08:59

BISHOP CONE AUDIT

PAGE 2

FROM 3/01/10 TO 3/31/10

		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 4/01/09
BA324	DANIELS, ROSSI, HANNON			
	NORTH & SOUTH INDIAN DITCH			
3370	NORTH INDIAN DIVERSION W/O SUNLAND	.00	.00	58.00
3270	SOUTH INDIAN D-3	273.00	273.00	3402.00
3005	SOUTH INDIAN DITCH D-4	183.00-	183.00-	2080.00-
B244	DITCH LOSS	90.00-	90.00-	405.38-
B2442	DITCH MAKE	.00	.00	.00
B243	OPERATIONS	.00	.00	69.85-
*TOTALS	ACRES= 163 ALOT= 815 LEFT= 89-	.00	.00	904.77
BA1478	INDIAN CREEK RANCH (BL-1478)			
	GEORGE & N. INDIAN DITCH			
3002	GEORGE DITCH WEST OF SUNLAND AVENUE	74.00	74.00	1105.00
3068	GEORGE DITCH C-3	48.00-	48.00-	495.00-
BICR42	GEORGE DITCH LOSS	26.00-	26.00-	317.27-
BAICR4	DITCH MAKE	.00	.00	.00
3264	NORTH INDIAN DITCH BELOW A-1 DRAIN B3A	44.00	44.00	1885.00
3370	NORTH INDIAN DIVERSION W/O SUNLAND	.00	.00	58.00-
3364	NORTH INDIAN DITCH W/O HWY 395	43.00-	43.00-	1910.00-
BICR43	NORTH INDIAN DITCH LOSS	1.00-	1.00-	168.71
BAICR3	OPERATIONS	.00	.00	43.38-
*TOTALS	ACRES= 41 ALOT= 205 LEFT= 130-	.00	.00	335.06
BA387A	GIACOMINI			
	NORTH INDIAN DITCH			
3043	NORTH INDIAN DITCH B-3	.00	.00	588.00
3011	WEST LINE L-2	.00	.00	136.00
B87A4	DITCH LOSS	.00	.00	3.01-
B87A3	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 122 ALOT= 610 LEFT= 110-	.00	.00	720.99
BARECF	RECREATION FOREST SERVICE			
	KINGSLEY DITCH			
3023	KINGSLEY DITCH C-4	74.00	74.00	1238.00
3183	CEMETERY DITCH	31.00-	31.00-	479.00-
BRCF41	DITCH MAKE	.00	.00	.00
BRCF42	DITCH LOSS	43.00-	43.00-	315.76-
*TOTALS	ACRES= 43 ALOT= 215 LEFT= 228-	.00	.00	443.24
BA339	DOHNEL			
	KINGSLEY DITCH			
3170	KINGSLEY DITCH C-1	24.00	24.00	490.00
B39201	STOCKWATER @ C-1	23.60-	23.60-	276.10-
B39301	OPERATIONS	.40-	.40-	27.26-
*TOTALS	ACRES= 39 ALOT= 195 LEFT= 8	.00	.00	186.64
BA393	CABALLERO			
	KINGSLEY DITCH			
3061	KINGSLEY DITCH PUMP PLANT	.00	.00	44.00
3171	BISHOP CREEK DITCH # 11	.00	.00	64.00
BA933	OPERATIONS @ #11	.00	.00	.00
*TOTALS	ACRES= 18 ALOT= 90 LEFT= 18-	.00	.00	108.00

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FROM 3/01/10 TO 3/31/10

A C C O U N T S & S T A T I O N S		PERIOD	A C R E - F E E T MAR M-T-D	SINCE 4/01/09
BA362D JJ TATUM, LJ TATUM				
DAIRY DITCH				
3388	INDIAN SOUTH RETURN ON SEE-VEE LANE	31.00	31.00	884.00
3389	INDIAN MIDDLE RETURN ON SEE-VEE LANE	3.00	3.00	59.00
3390	INDIAN NORTH RETURN ON SEE-VEE LANE	29.00	29.00	436.00
3001	DAIRY DITCH # 69	26.00	26.00	1183.00
B62D21	DAIRY STOCKWATER	23.22	23.22	338.48
B62D31	OPERATIONS DAIRY DITCH	65.78	65.78	1778.31
3160	INDIAN IRRIGATION/DAIRY DITCH	.00	.00	94.00
*TOTALS ACRES= 182 ALOT= 578 LEFT= 226		.00	.00	351.21
BA304 ANDREW & DAN BOYD				
NEWLON DITCH				
3026	NEWLON DITCH BOYD PUMP PLANT	.00	.00	238.00
*TOTALS ACRES= 48 ALOT= 240 LEFT= 2		.00	.00	238.00
BA500 TALBOT				
GEORGE & S. INDIAN DITCH				
3012	GEORGE DITCH C-1	51.00	51.00	954.00
3002	GEORGE DITCH WEST OF SUNLAND AVENUE	74.00	74.00	1105.00
B24B41	BUHS STOCKWATER	23.00	23.00	282.75
B24B44	DITCH LOSS	23.00	23.00	164.75
B24B04	DITCH MAKE	23.00	23.00	31.70
3365	PARK WEST RETURN S/O A-DRAIN	2.00	2.00	82.00
3047	4 X - 58D	511.00	511.00	4528.00
3366	SOUTH INDIAN DITCH DIVERSION # 1 N/O S	.00	.00	15.00
3367	SOUTH INDIAN DITCH DIVERSION # 2 N/O S	.00	.00	407.00
W408	WELL # 408	.00	.00	1047.00
3046	SOUTH INDIAN RETURN AT A-1 DRAIN	257.00	257.00	1935.00
3270	SOUTH INDIAN D-3	273.00	273.00	3402.00
B004	DITCH LOSS	17.00	17.00	193.67
B0040	DITCH MAKE	.00	.00	18.00
B50B31	OPERATIONS	.00	.00	2.52
*TOTALS ACRES= 178 ALOT= 890 LEFT= 327		.00	.00	562.51
BA397 GIACOMINI				
BISHOP CREEK CANAL				
3172	BISHOP CREEK DITCH # 16-A	.00	.00	.00
3163	BISHOP CREEK DITCH # 19	.00	.00	540.00
3173	BISHOP CREEK DITCH # 19-A	.00	.00	.00
3174	BISHOP CREEK DITCH # 22	.00	.00	530.00
3019	BISHOP CREEK CANAL DIVERSION # 24	50.00	50.00	968.00
3020	BISHOP CREEK CANAL DIVERSION # 25	.00	.00	256.00
3024	BISHOP CREEK CANAL DIVERSION # 29	35.00	35.00	591.00
3392	FORD RAWSON-DIV 1A	.00	.00	30.00
B9721	STOCKWATER @ #29	30.09	30.09	277.42
B9722	BOOTHE STOCKWATER @ #19	.00	.00	47.10
B9723	STOCKWATER @ #19 & #24	30.69	30.69	267.50
B9731	OPERATIONS	24.22	24.22	423.44
*TOTALS ACRES= 482 ALOT= 2410 LEFT= 510		.00	.00	1899.54

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A C C O U N T S & S T A T I O N S		A C R E - F E E T		
		PERIOD	MAR M-T-D	SINCE 4/01/09
BA361A ST RANCH				
NORTH FORK BISHOP CREEK				
3036	NORTH FORK BISHOP CREEK I-1	62.00	62.00	1305.00
3004	NORTH FORK BISHOP CREEK I-2	.00	.00	1416.00
3042	TATUM RETURN AT HIGHWAY 6	.00	.00	63.00-
3039	TATUM RETURN AT BISHOP CREEK CANAL	28.00-	28.00-	524.00-
3022	BISHOP CREEK CANAL #5A	.00	.00	357.00-
B61A21	STOCKWATER @ I-1	.00	.00	191.21-
3316	WELL #406	29.00	29.00	1274.00
B61A41	DITCH MAKE	.00	.00	42.00
B61A31	OPERATIONS	63.00-	63.00-	545.45-
*TOTALS	ACRES= 262 ALOT= 1005 LEFT= 1351-	.00	.00	2356.34
BA361B ST RANCH				
MATLICK DITCH				
3009	MATLICK DITCH F-10	155.00	155.00	2365.00
3040	MATLICK DITCH F-13 N	225.00	225.00	1905.00
3008	MATLICK DITCH F-13 E	43.00	43.00	836.00
3007	MATLICK DITCH F-14	10.00	10.00	93.00
3035	MATLICK DITCH #154	98.00	98.00	1478.00
3154	TATUM RETURN G-2	21.00-	21.00-	155.00-
3037	MATLICK DITCH #63A	59.00-	59.00-	843.00-
3038	TATUM RETURN H-1	15.00-	15.00-	814.00-
3003	MATLICK DITCH RETURN @ B-1 DRAIN	72.00-	72.00-	416.00-
3010	MATLICK RETURN @ C DRAIN	236.00-	236.00-	1212.00-
B61B41	DITCH LOSS #154 TO RETURN @ B1	26.00-	26.00-	1061.74-
B61B42	DITCH MAKE F-10 TO RETURN @ C DRAIN	.00	.00	.00
B61B21	SPENCER STOCKWATER	15.50-	15.50-	182.00-
B61B22	STOCKWATER @ F-10	30.69-	30.69-	360.36-
B61B31	OPERATIONS	55.81-	55.81-	301.89-
*TOTALS	ACRES= 412 ALOT= 2365 LEFT= 1033	.00	.00	1331.01
BA354A SMITH				
HALL DITCH				
3027	HALL DITCH PUMP PLANT #2	.00	.00	145.00
3028	HALL DITCH PUMP PLANT #4	24.00	24.00	807.00
*TOTALS	ACRES= 219 ALOT= 1095 LEFT= 143	24.00	24.00	952.00
BARECA RECREATION FARMERS PONDS				
BISHOP CREEK CANAL				
3155	BISHOP CREEK CANAL #5B	.00	.00	582.00
BRCA31	OPERATIONS @ #5B	.00	.00	.00
*TOTALS		.00	.00	582.00
BARECC RECREATION SADDLE CLUB				
BISHOP CREEK CANAL				
3021	BISHOP CREEK CANAL #67	.00	.00	68.00
BRECC3	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 13 ALOT= 65 LEFT= 3-	.00	.00	68.00

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A C C O U N T S & S T A T I O N S		PERIOD	A C R E - F E E T MAR M-T-D	SINCE 4/01/09
BARECD RECREATION BUCKLEY PONDS				
SOUTH FORK BISHOP CREEK				
3194	S FORK BISHOP CR BELOW BISHOP CR CANAL	404.00	404.00	5909.00
3193	SANDERS POND RETURN	207.00-	207.00-	2664.00-
3066	RAWSON POND # 3 RETURN TO OWENS RIVER	49.00-	49.00-	650.00-
BRCD31	OPERATIONS	.00	.00	.00
*TOTALS		148.00	148.00	2595.00
BA338 YRIBARREN				
FORD-RAWSON CANAL & KEOUGH				
2003	FORD RAWSON CANAL DIVERSION #2	40.00	40.00	948.00
2024	FORD RAWSON CANAL DIVERSION #3	.00	.00	3599.00
2004	FORD RAWSON CANAL DIVERSION #7	.00	.00	870.00-
2043	YRIBARREN RETURN #2	.00	.00	.00
B38402	FORD RAWSON CANAL LOSS	.00	.00	632.01-
B38201	STOCKWATER @ #2	30.35-	30.35-	352.86-
B38401	FORD RAWSON CANAL DITCH MAKE	.00	.00	.00
3368	RAWSON & KEOUGH DITCH E/O HWY 395	76.00	76.00	527.00
3369	RAWSON & KEOUGH DITCH RETURN AT A-DRAI	55.00-	55.00-	349.00-
B38202	CASHBAUGH STOCKWATER	12.40-	12.40-	107.23-
B38403	KEOUGH DITCH LOSS	8.60-	8.60-	70.81-
B38301	OPERATIONS	9.65-	9.65-	370.88-
*TOTALS	ACRES= 427 ALOT= 2135 LEFT= 186-	.00	.00	2321.21
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	64.32
BC3613	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 26 ALOT= 130 LEFT= 65	.00	.00	64.32
RVRECA RECREATION MILL POND				
MCGEE CREEK				
3185	MCGEE CREEK @ ABELOUR RANCH	216.00	216.00	2415.00
3235	MILL POND RETURN	92.00-	92.00-	1126.44-
RRCA41	DITCH MAKE	.00	.00	.00
*TOTALS		124.00	124.00	1288.56

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A C C O U N T S & S T A T I O N S		A C R E - F E E T		
		PERIOD	MAR M-T-D	SINCE 4/01/09
LAE&MH	FIVE BRIDGES RECHARGE			
	BISHOP CREEK CANAL			
3242	BISHOP CREEK CANAL DIVERSION #2	.00	.00	395.00
LEMGE5	MITIGATION WATER @ DIVERSION #4	.00	.00	.00
3317	BISHOP CREEK CANAL DIVERSION #6	2.00	2.00	204.00
LEMH2	STOCKWATER @ DIVERSION #2 & #6	2.00-	2.00-	204.00-
LEMH3	OPERATIONS	.00	.00	395.00-
*TOTALS		.00	.00	.00
BA353	HADELER & MILORADICH			
	WONACOTT & SMITH DITCH			
3015	WONACOTT A-1	84.00	84.00	1141.00
3053	TOMMY SMITH DITCH # 162-A	1.00	1.00	107.00
3013	164-B WATTERSON	.00	.00	.00
3017	WONACOTT A-2	76.00-	76.00-	1041.00-
BA3534	WONACOTT DITCH LOSS	9.00-	9.00-	40.80-
BA3533	OPERATIONS	.00	.00	2.80-
*TOTALS	ACRES= 38 ALOT= 190 LEFT= 26	.00	.00	163.40
BA005A	ONEY			
	OTEY DITCH			
3049	# 161 OTEY	41.00	41.00	987.00
3377	OTEY DITCH RETURN AT MATLICK DITCH	44.00-	44.00-	927.00-
B05A4	DITCH LOSS	.00	.00	16.00-
B05A42	DITCH MAKE	3.00	3.00	2.69
*TOTALS	ACRES= 13 ALOT= 65 LEFT= 18	.00	.00	46.69
BA005B	SAFSTROM			
	MATLICK DITCH			
3378	OTEY DITCH DIVERSION ABOVE MATLICK DIT	.00	.00	61.00
B05B4	DITCH LOSS	.00	.00	.00
*TOTALS	ACRES= 20 ALOT= 100 LEFT= 39	.00	.00	61.00
BA006A	BARTON			
	MATLICK DITCH			
3064	MATLICK DITCH AT INTAKE # 61	88.00	88.00	3299.00
3377	OTEY DITCH RETURN AT MATLICK DITCH	44.00	44.00	927.00
3387	MATLICK DITCH TO THE NORTH	38.00-	38.00-	1124.00-
3379	MATLICK DIV. TO THE EAST	36.00-	36.00-	875.00-
B06A4	DITCH LOSS	58.00-	58.00-	2191.40-
*TOTALS	ACRES= 14 ALOT= 70 LEFT= 34	.00	.00	35.60
BA1479	HIDDEN CREEKS RANCH			
	SOUTH INDIAN DITCH			
3025	SOUTH INDIAN DITCH DIVERSION # 3	.00	.00	31.00
B14793	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 27 ALOT= 135 LEFT= 104	.00	.00	31.00
BA392	LACEY LIVESTOCK			
	YOUNG & MATLICK DITCHES			
3387	MATLICK DITCH TO THE NORTH	38.00	38.00	1124.00
3398	MATLICK DITCH #1	213.00	213.00	3611.00

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A C C O U N T S & S T A T I O N S		A C R E - F E E T		
		PERIOD	MAR M-T-D	SINCE 4/01/09
BA9444	DITCH LOSS			
3399	REINHACKEL #1	.00	.00	250.25-
3400	YOUNG DITCH #1	70.00	70.00	1007.00
3401	YOUNG DITCH #2	.00	.00	248.00
3406	C-DRAIN AT INTAKE	65.00-	65.00-	617.00-
BA921	MATLICK DITCH F-10	176.00-	176.00-	2681.00-
BA924	DITCH MAKE	155.00-	155.00-	2362.34-
BA923	OPERATIONS	75.00	75.00	66.62
*TOTALS	ACRES= 262 ALOT= 1310 LEFT= 1190	.00	.00	27.00-
		.00	.00	119.03
BA301	AUBREY & MOXLEY NELLIGAN & YOUNG DITCHES			
3396	NELLIGAN DIV. #1			
3397	NELLIGAN BELOW DIV. #1	57.00	57.00	1269.00
3401	YOUNG DITCH #2	75.00	75.00	855.00
3050	HOLLAND # 63-B	65.00	65.00	617.00
3404	NELLIGAN DITCH #2	23.00-	23.00-	223.00-
3402	YOUNG DITCH #3	113.00-	113.00-	1391.00-
3407	YOUNG DITCH # 4	63.00-	63.00-	467.00-
BA014	DITCH LOSS	.00	.00	48.00-
BA013	OPERATIONS	2.00	2.00	40.26-
*TOTALS	ACRES= 99 ALOT= 495 LEFT= 76-	.00	.00	.00
		.00	.00	571.74
BA335	PARTRIDGE & JOHNSON YOUNG DITCH			
3402	YOUNG DITCH #3			
3407	YOUNG DITCH # 4	63.00	63.00	467.00
3403	YOUNG DITCH RETURN TO NELLIGAN	.00	.00	48.00
BA354	DITCH LOSS	55.00-	55.00-	294.00-
BA353	OPERATIONS	8.00-	8.00-	62.21-
*TOTALS	ACRES= 30 ALOT= 150 LEFT= 8-	.00	.00	.00
		.00	.00	158.79
AREA SUMMARY				
	IRG	24.00	24.00	17813.56
	SW	248.66	248.66	3160.73
	OPER	309.70	309.70	5047.36
	E&M	.00	.00	.00
	GWRC	.00	.00	.00
	REC	272.00	272.00	4976.80
	IND	.00	.00	.00
	DOM	.00	.00	.00
	LORP	.00	.00	.00
TOTAL WATER USE		854.36	854.36	30998.45
TOTAL IRG AC 4138		TOTAL ALOT 20358 DUTY TO DATE 4.3 AF/AC		

E-MAIL FROM WAYNE HOPPER 7-29-10 @ 2:38pm

Bishop Cone Pumping, 2009/2010 Runoff year

<u>Well</u>	<u>Total Pumped</u> (AF)
W140	1292
W371	1273
W406	1270
W407	1012
W408	1047
W410	2837
W411	1617
W412	1489
	<u>11837</u>