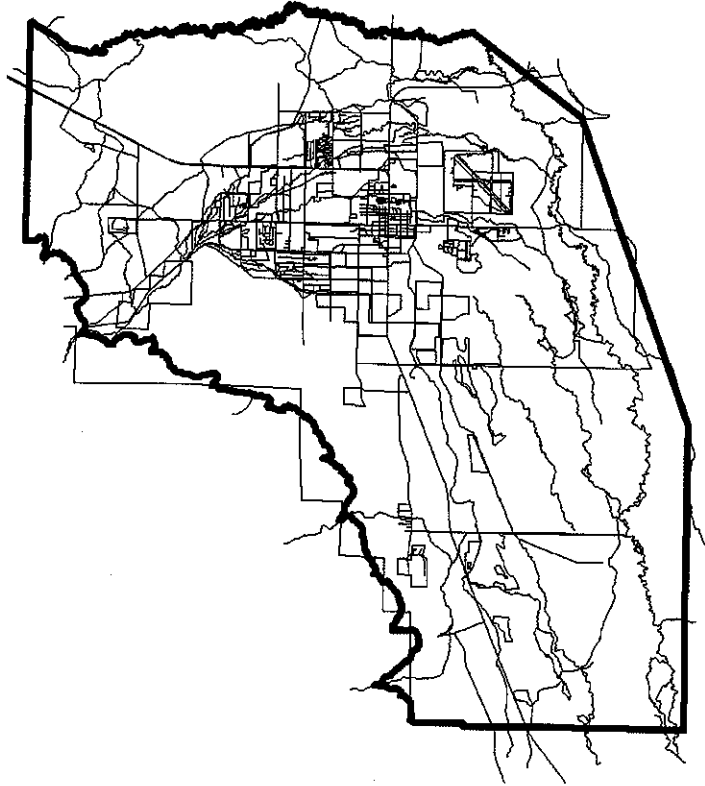


FINAL
**THE BISHOP CONE AUDIT FOR THE 2010-2011 RUNOFF
YEAR**



Randy Jackson
Senior County Hydrologist



Inyo County Water Department
Report 2011-1
February 21, 2012

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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 2009-2010 and 2010-2011.

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

LADWP ACCOUNT NUMBER	RUNOFF YEAR*¹ 2009-2010 (AF)	RUNOFF YEAR*¹ 2010-2011 (AF)
BA354B or BA362B	394.00	647.00
BA302A	221.00	105.00
BA302B	780.18	835.70
BA311	2465.24	2546.08
BA313	434.29	506.48
* ³ BA324	904.77	1122.70
BA324A	NO DATA	NO DATA
BA324C	NO DATA	NO DATA
BA387A	720.99	480.65
BARECF	443.24	458.85
BA339	186.64	249.56
BA342	NO DATA	NO DATA

LADWP	RUNOFF YEAR*¹	RUNOFF YEAR*¹
ACCOUNT NUMBER	2009-2010 (AF)	2010-2011 (AF)
BA362C	NO DATA	NO DATA
BA362D	351.21	593.78
BA304	238.00	242.00
BA324B	NO DATA	NO DATA
BA387B	NO DATA	NO DATA
BA397 (SAME AS BA387B-NEW LEASE HOLDER)	1899.54	2203.75
BA361A	2356.34	2793.00
BA361B	1331.01	2250.16
BA354A or 362A	952.00	1025.00
BARECA	582.00	666.00
BARECC	68.00	72.00
BARECD	2595.00	2727.00
BA338	2321.21	2223.53
BAOPRA	0.00	0.00
BAOPRB	0.00	0.00
BAGWRA	NO DATA	NO DATA
RV361	64.32	66.08
RV361B	NO DATA	NO DATA
RVRECA	1288.56	1815.00
LARECB	NO DATA	NO DATA
LAE&MH	0.00	0.00
BAICR	NO DATA	NO DATA
BA1478 (SAME AS BAICR-NEW LEASE HOLDER)	335.06	420.62
BA353	163.40	217.39
BA393	108.00	118.16
* ³ BA500	562.51	506.90
* ³ BA005A	46.69	34.86
* ² BA005B	61.00	49.00
* ² BA006A	35.60(No Credit) * ⁵	2080.24 (No Credit) * ⁵
BA1479	31.00	32.39
BA392	119.03 (No Credit) * ⁵	568.00 (No Credit) * ⁵
BA301 (Aubrey and Moxley)	571.74	605.22
BA335 (Partridge and Johnson)	158.79	151.04
BA394 (Berner)	NO DATA	NO DATA
BA360 (Allen)	NO DATA	NO DATA
TOTAL	22,635.73	25,764.90

*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 an increase in water use, on most accounts from runoff years 2009-2010 to 2010-2011 as well as an overall total increase in water use of 3,129.17 acre-feet in 2010-2011. 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 2009-2010 AND 2010-2011

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."

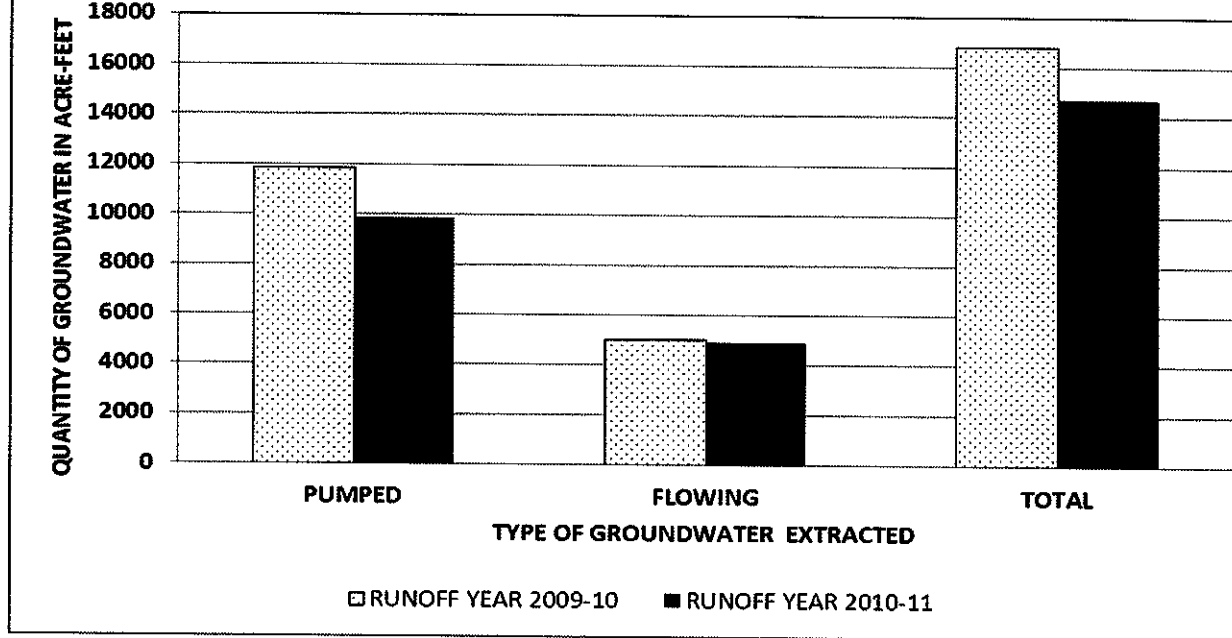
Total LADWP groundwater extraction and groundwater extraction classified as flowing and pumped groundwater in acre-feet, on the Bishop Cone for the runoff years of 2009-2010 and 2010-2011, are shown in Table 2, below. The 2010-2011 Runoff Year groundwater extraction shows a decrease compared to the previous runoff year's extraction of some 2,089 acre-feet.

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

TYPE OF GROUNDWATER	RUNOFF YEAR 2009-2010 (AF)	RUNOFF YEAR 2010-2011 (AF)
PUMPED	11,837.00	9,828.00
FLOWING	4,979.00	4,899.00
TOTAL	16,816.00	14,727.00

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 2009-2010 AND 2010-2011



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 2010-2011.

WELL	FLOWING GROUNDWATER (ACRE-FEET)	PUMPED GROUNDWATER (ACRE-FEET)
F121	36	NA
F122	172	NA
F123	193	NA
F124	0	NA
F125	989	NA
F126	278	NA
F127	372	NA
F128	390	NA
F129	161	NA
F130	141	NA
F131	836	NA
F132	298	NA
F133	338	NA
F134	585	NA
F136	110	NA
W410	NA	2,310
W406	NA	1,246
W371	NA	1,064
W411	NA	538

WELL	FLOWING GROUNDWATER (ACRE-FEET)	PUMPED GROUNDWATER (ACRE-FEET)
W407	NA	936
W408	NA	1,081
W140	NA	1,333
W412	NA	1,320
TOTAL	4,899	9,828

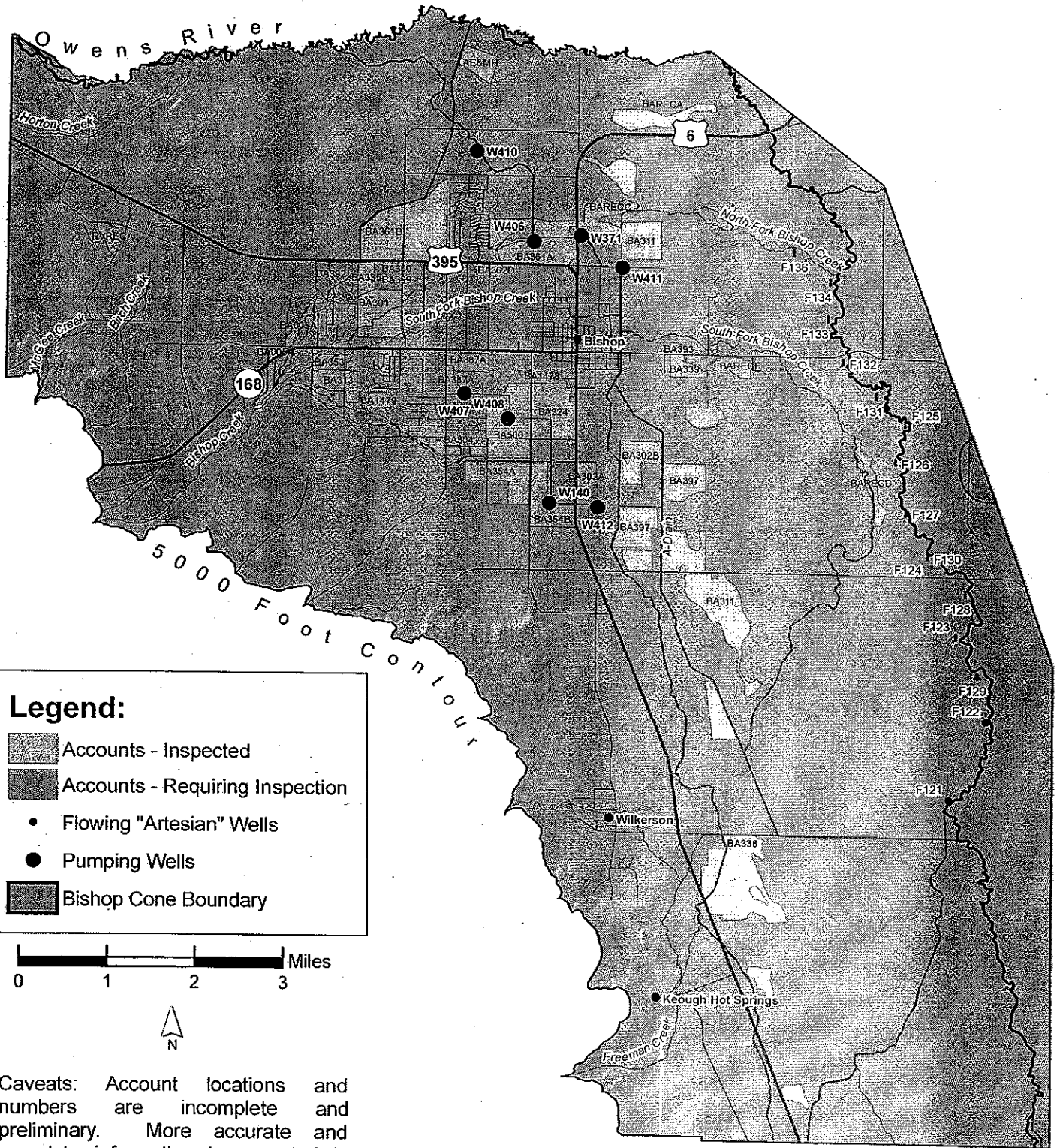
**COMPLIANCE WITH THE INYO COUNTY/LOS ANGELES LONG-TERM
GROUNDWATER MANAGEMENT AGREEMENT**

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 2009-2010 and 2010-2011.

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

	RUNOFF YEAR 2009-2010 (AF)	RUNOFF YEAR 2010-2011 (AF)
TOTAL USES	22,635.73	25,764.90
TOTAL GROUNDWATER EXTRACTION	16,816.00	14,727.00

Map 1. Bishop Cone Audit Features



Caveats: Account locations and numbers are incomplete and preliminary. More accurate and complete information is expected in subsequent Bishop Cone Audits.

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
11 shall not be converted. Water for the enhancement/mitigation
12 project formerly supplied by a converted well will be supplied
13 as necessary from Department production wells. Any enhance-
14 ment/mitigation well converted to a production well could
15 later be reverted to an enhancement/mitigation well if agreed
16 to by the Technical Group.

17 VII. GROUNDWATER PUMPING ON THE BISHOP CONE ✓

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

25 Before the Department may increase ground-
26 water pumping above present levels, or construct any new
27 wells on the Cone, the Technical Group must agree on a
28 method for determining the exact amount of water annually
29 used on Los Angeles-owned lands on the Cone. The agreed
30 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

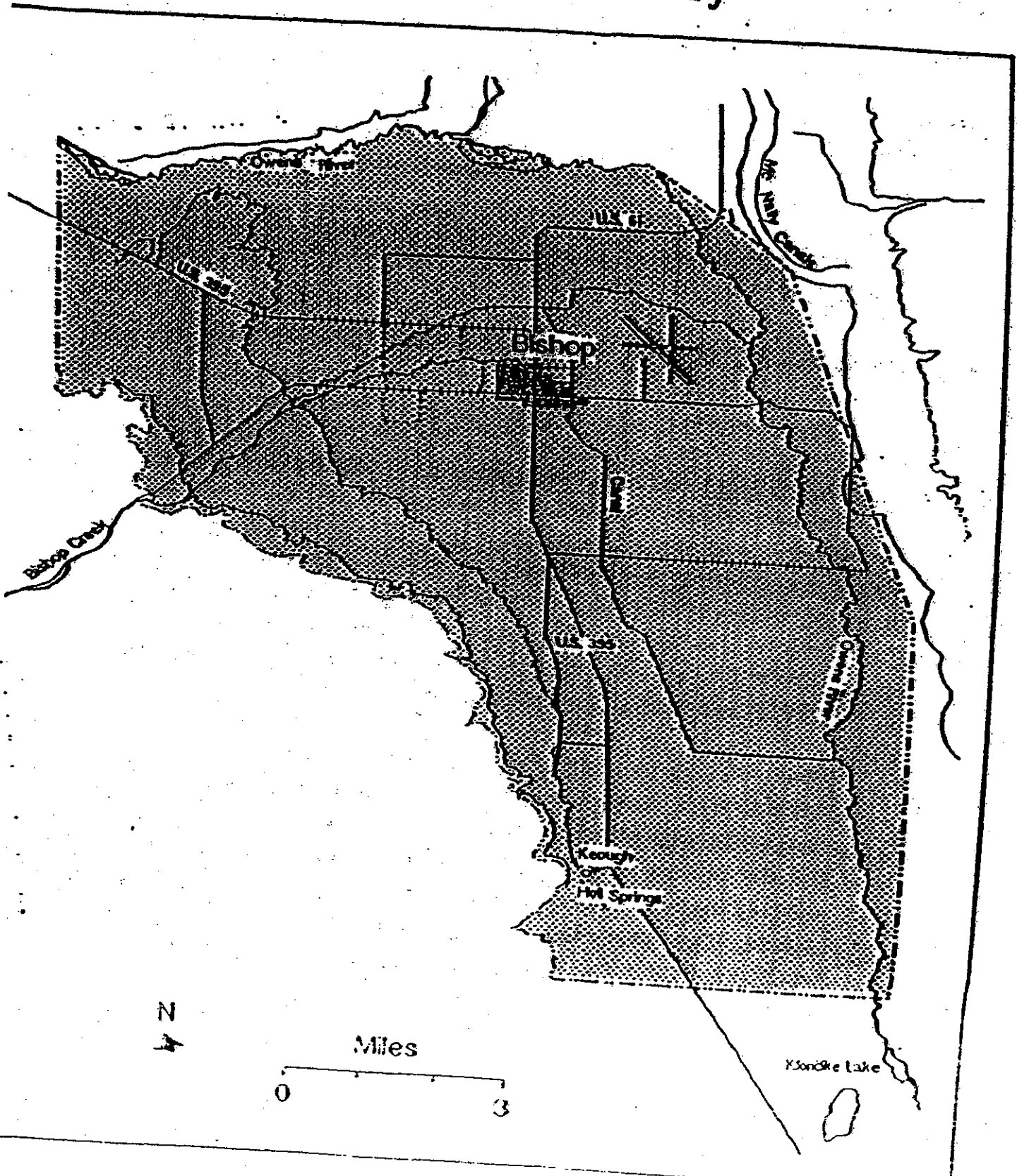
This sub-section describes the procedures for conducting the Bishop Cone audit in accordance with Section VII.A of the Agreement. The Bishop Cone audit is an annual accounting of LADWP groundwater extraction and water usage on Los Angeles-owned land on the Bishop Cone. The Agreement provides that, during 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
THOMAS S. SAYLES, *President*
ERIC HOLOMAN, *Vice-President*
RICHARD F. MOSS
CHRISTINA E. NOONAN
JONATHAN PARFREY
BARBARA E. MOSCHOS, *Secretary*

RONALD O. NICHOLS
General Manager

August 23, 2011

RECEIVED

AUG 26 2011

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

Enclosed is flowing well data from Bishop Cone for the 2010-2011 runoff year. The Los Angeles Department of Water and Power also pumped 9,828 acre-feet of groundwater from the Cone during the year.

Also enclosed is the Bishop Cone Audit Report for the 2010-2011 runoff year.

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

Sincerely,

Clarence E. Martin
Assistant Aqueduct Manager

Enclosures
WJ:src
c w/o enc: Mr. William Jones

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

2010/2011 RUNOFF YEAR PUMPING TOTALS
(ACRE FEET)

	BISHOP	LAWS	BIG PINE	TA	TS	IO	SS	BG	LP	TOTAL
APR	1061	922	1927	1060	1128	1040	510	0	67	7715
MAY	1395	527	1963	1232	1165	1006	720	292	82	8382
JUN	1336	1289	1874	1209	1128	996	702	416	100	9050
JUL	1408	1099	1888	1217	1117	1030	696	415	111	8981
AUG	1605	1259	1844	1214	1035	1029	696	227	40	8949
SEP	1527	1114	1614	956	1065	962	675	0	56	7969
OCT	427	91	1832	1205	1067	309	583	0	52	5566
NOV	323	90	1820	1150	866	22	479	0	33	4783
DEC	166	9	1856	605	965	13	327	0	22	3963
JAN	0	12	1796	42	1098	13	405	0	22	3388
FEB	238	4	2102	12	1181	11	443	0	22	4013
MAR	342	15	2876	167	1501	50	498	0	40	5489
TOTAL	9828	6431	23392	10069	13316	6481	6734	1350	647	78248

2010/2011 RUNOFF YEAR BISHOP CONE FLOWING WELL TOTALS
(ACRE-FEET)

WELL	2010												2011			TOTAL
	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR				
F121	3	3	3	3	3	3	3	3	3	3	3	3	3	36		
F122	15	16	15	12	7	10	15	15	15	16	17	19	19	172		
F123	15	15	15	14	13	15	18	18	19	19	16	16	16	193		
F124	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
F125	81	89	85	83	82	80	82	80	84	88	76	79	79	989		
F126	22	24	23	24	25	22	24	25	23	23	20	23	23	278		
F127	32	32	30	33	33	30	31	29	30	31	29	32	32	372		
F128	31	33	32	34	33	32	33	32	33	34	30	33	33	390		
F129	14	14	14	15	14	13	13	13	14	13	11	13	13	161		
F130	16	16	14	15	14	12	11	9	8	9	8	9	9	141		
F131	72	73	69	72	71	68	69	67	69	71	64	71	71	836		
F132	27	26	24	26	25	23	25	24	24	25	23	26	26	298		
F133	32	30	27	28	27	25	25	26	28	31	28	31	31	338		
F134	52	53	47	45	45	44	47	48	51	52	48	53	53	585		
F136	9	10	9	7	5	6	8	10	11	12	11	12	12	110		
TOTAL	421	434	407	411	397	383	404	399	412	427	384	420	420	4899		

(BCA)
4/29/11
08:50

BISHOP CONE AUDIT

FROM 3/01/11 TO 3/31/11

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 4/01/10
BA354B SMITH A-1 DRAIN				
3031	A-1 DRAIN PP #1 @ HALL DITCH	.00	.00	.00
3032	A-1 DRAIN PP #3 @ WELL 140	33.00	33.00	647.00
*TOTALS	ACRES= 148 ALOT= 740 LEFT= 93	33.00	33.00	647.00
BA302A ALICE J. BOOTHE, ET AL HALL DITCH				
3006	HALL DITCH @ GOLF COURSE RETURN	.00	.00	107.00
B02A11	HALL DITCH @ BOOTHE	2.37	2.37	42.50
B02A21	STOCKWATER	2.37-	2.37-	42.50-
B02A32	OPERATIONS	.00	.00	2.00-
*TOTALS	ACRES= 47 ALOT= 235 LEFT= 130	.00	.00	105.00
BA302B ALICE J. BOOTH, ET AL BISHOP CREEK CANAL				
3161	BISHOP CREEK CANAL #16	28.00	28.00	710.00
3162	BISHOP CREEK CANAL #17	.00	.00	363.00
3164	BISHOP CREEK CANAL #20	19.00	19.00	520.00
3165	BISHOP CREEK CANAL #21	.00	.00	.00
B02B21	STOCKWATER @ #16	25.10-	25.10-	343.98-
B02B22	STOCKWATER @ #20	6.20-	6.20-	66.02-
B02B41	DITCH MAKE	.00	.00	.00
B02B31	OPERATIONS	15.70-	15.70-	347.30-
*TOTALS	ACRES= 120 ALOT= 600 LEFT= 235-	.00	.00	835.70
BA311 J.W. CASHBAUGH, ET AL BISHOP CREEK CANAL				
3166	BISHOP CREEK CANAL #5	.00	.00	558.00
3022	BISHOP CREEK CANAL #5A	.00	.00	412.00
3167	BISHOP CREEK CANAL #9	.00	.00	399.00
3168	BISHOP CREEK CANAL #30	46.00	46.00	2077.00
B11201	STOCKWATER @ #30	30.28-	30.28-	357.84-
3022	CREDIT FOR TATUM RETURN @ #5A	.00	.00	412.00-
B11301	OPERATIONS	15.72-	15.72-	130.08-
B11302	OPERATIONS @ DIVERSION #1	.00	.00	.00
*TOTALS	ACRES= 561 ALOT= 2805 LEFT= 258	.00	.00	2546.08
BA313 BOYD & ONEY NORTH INDIAN DITCH				
3016	NORTH INDIAN ABOVE MUMY LANE #58E	575.00	575.00	7167.00
3017	WONACOTT A-2	77.00	77.00	926.00
3015	WONACOTT A-1	75.00-	75.00-	1086.00-
3054	WONACOTT A-3 RETURN	51.00-	51.00-	458.00-
3051	WONACOTT 58F	32.00-	32.00-	511.00-
3018	NORTH INDIAN B-2	478.00-	478.00-	5010.00-
B13401	NORTH INDIAN DITCH LOSS	22.00-	22.00-	564.52-
B13402	WONACOTT DITCH LOSS	.00	.00	4.00-
B13404	WONACOTT DITCH MAKE	6.00	6.00	47.00
B13301	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 84 ALOT= 420 LEFT= 86-	.00	.00	506.48

(BCA)
4/29/11
08:50

BISHOP CONE AUDIT

FROM 3/01/11 TO 3/31/11

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 4/01/10
-----		-----	-----	-----
BA324	DANIELS, ROSSI, HANNON NORTH & SOUTH INDIAN DITCH			
3370	NORTH INDIAN DIVERSION W/O SUNLAND	.00	.00	44.00
3270	SOUTH INDIAN D-3	276.00	276.00	3438.00
3005	SOUTH INDIAN DITCH D-4	224.00-	224.00-	1816.00-
B244	DITCH LOSS	52.00-	52.00-	543.30-
B2442	DITCH MAKE	.00	.00	.00
B243	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 163 ALOT= 815 LEFT= 307-	.00	.00	1122.70
BA1478	INDIAN CREEK RANCH (BL-1478) GEORGE & N. INDIAN DITCH			
3002	GEORGE DITCH WEST OF SUNLAND AVENUE	68.00	68.00	1525.00
3068	GEORGE DITCH C-3	52.00-	52.00-	584.00-
BICR42	GEORGE DITCH LOSS	16.00-	16.00-	611.75-
BAICR4	DITCH MAKE	.00	.00	.00
3264	NORTH INDIAN DITCH BELOW A-1 DRAIN B3A	67.00	67.00	1873.00
3370	NORTH INDIAN DIVERSION W/O SUNLAND	.00	.00	44.00-
3364	NORTH INDIAN DITCH W/O HWY 395	61.00-	61.00-	1676.00-
BICR43	NORTH INDIAN DITCH LOSS	6.00-	6.00-	61.63-
BAICR3	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 41 ALOT= 205 LEFT= 215-	.00	.00	420.62
BA387A	GIACOMINI NORTH INDIAN DITCH			
3043	NORTH INDIAN DITCH B-3	.00	.00	363.15
3011	WEST LINE L-2	.00	.00	118.00
B87A4	DITCH LOSS	.00	.00	.50-
B87A3	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 122 ALOT= 610 LEFT= 129	.00	.00	480.65
BARECF	RECREATION FOREST SERVICE KINGSLEY DITCH			
3023	KINGSLEY DITCH C-4	51.00	51.00	1209.00
3183	CEMETERY DITCH	6.00-	6.00-	431.00-
BRCF41	DITCH MAKE	.00	.00	.00
BRCF42	DITCH LOSS	45.00-	45.00-	319.15-
*TOTALS	ACRES= 43 ALOT= 215 LEFT= 243-	.00	.00	458.85
BA339	DOHNEL KINGSLEY DITCH			
3170	KINGSLEY DITCH C-1	22.00	22.00	493.00
B39201	STOCKWATER @ C-1	22.00-	22.00-	243.06-
B39301	OPERATIONS	.00	.00	.38-
*TOTALS	ACRES= 39 ALOT= 195 LEFT= 54-	.00	.00	249.56
BA393	CABALLERO KINGSLEY DITCH			
3061	KINGSLEY DITCH PUMP PLANT	.00	.00	49.16
3171	BISHOP CREEK DITCH # 11	.00	.00	69.00
BA933	OPERATIONS @ #11	.00	.00	.00
*TOTALS	ACRES= 18 ALOT= 90 LEFT= 28-	.00	.00	118.16

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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 4/01/10
BA362D JJ TATUM, LJ TATUM DAIRY DITCH				
3388	INDIAN SOUTH RETURN ON SEE-VEE LANE	54.00	54.00	1165.00
3389	INDIAN MIDDLE RETURN ON SEE-VEE LANE	9.00	9.00	139.00
3390	INDIAN NORTH RETURN ON SEE-VEE LANE	43.00	43.00	341.00
3001	DAIRY DITCH # 69	52.00	52.00	1422.00
B62D21	DAIRY STOCKWATER	29.69-	29.69-	348.23-
B62D31	OPERATIONS DAIRY DITCH	127.31-	127.31-	2032.99-
3160	INDIAN IRRIGATION/DAIRY DITCH	1.00-	1.00-	92.00-
*TOTALS	ACRES= 182 ALOT= 578 LEFT= 15-	.00	.00	593.78
BA304 ANDREW & DAN BOYD NEWLON DITCH				
3026	NEWLON DITCH BOYD PUMP PLANT	2.00	2.00	242.00
*TOTALS	ACRES= 48 ALOT= 240 LEFT= 2-	2.00	2.00	242.00
BA500 TALBOT GEORGE & S. INDIAN DITCH				
3012	GEORGE DITCH C-1	52.00	52.00	998.00
3002	GEORGE DITCH WEST OF SUNLAND AVENUE	68.00-	68.00-	1525.00-
B24B41	BUHS STOCKWATER	.00	.00	121.49-
B24B44	DITCH LOSS	.00	.00	22.05-
B24B04	DITCH MAKE	16.00	16.00	527.00
3365	PARK WEST RETURN S/O A-DRAIN	4.00	4.00	65.00
3047	4 X - 58D	495.00	495.00	4798.00
3366	SOUTH INDIAN DITCH DIVERSION # 1 N/O S	.00	.00	43.00
3367	SOUTH INDIAN DITCH DIVERSION # 2 N/O S	.00	.00	415.00
W408	WELL # 408	.00	.00	1081.00
3046	SOUTH INDIAN RETURN AT A-1 DRAIN	236.00-	236.00-	2048.00-
3270	SOUTH INDIAN D-3	276.00-	276.00-	3438.00-
B004	DITCH LOSS	.00	.00	278.56-
B0040	DITCH MAKE	13.00	13.00	13.00
B50B31	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 171 ALOT= 890 LEFT= 383	.00	.00	506.90
BA397 GIACOMINI BISHOP CREEK CANAL				
3172	BISHOP CREEK DITCH # 16-A	.00	.00	.00
3163	BISHOP CREEK DITCH # 19	.00	.00	705.00
3173	BISHOP CREEK DITCH # 19-A	.00	.00	.00
3174	BISHOP CREEK DITCH # 22	.00	.00	491.00
3019	BISHOP CREEK CANAL DIVERSION # 24	.00	.00	892.00
3020	BISHOP CREEK CANAL DIVERSION # 25	.00	.00	240.00
3024	BISHOP CREEK CANAL DIVERSION # 29	40.00	40.00	585.00
3392	FORD RAWSON-DIV 1A	.00	.00	25.00
B9721	STOCKWATER @ #29	30.31-	30.31-	261.55-
B9722	BOOTHE STOCKWATER @ #19	.00	.00	61.13-
B9723	STOCKWATER @ #19 & #24	.00	.00	213.52-
B9731	OPERATIONS	9.69-	9.69-	198.05-
*TOTALS	ACRES= 482 ALOT= 2410 LEFT= 206	.00	.00	2203.75

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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 4/01/10
BA361A ST RANCH			
NORTH FORK BISHOP CREEK			
3036 NORTH FORK BISHOP CREEK I-1	117.00	117.00	1468.00
3004 NORTH FORK BISHOP CREEK I-2	.00	.00	1504.00
3042 TATUM RETURN AT HIGHWAY 6	.00	.00	115.00-
3039 TATUM RETURN AT BISHOP CREEK CANAL	36.00-	36.00-	483.00-
3022 BISHOP CREEK CANAL #5A	.00	.00	412.00-
B61A21 STOCKWATER @ I-1	.00	.00	.00
3316 WELL #406	51.00	51.00	1270.00
B61A41 DITCH MAKE	.00	.00	.00
B61A31 OPERATIONS	132.00-	132.00-	439.00-
*TOTALS ACRES= 262 ALOT= 1005 LEFT= 1788-	.00	.00	2793.00
BA361B ST RANCH			
MATLICK DITCH			
3009 MATLICK DITCH F-10	132.00	132.00	2321.00
3040 MATLICK DITCH F-13 N	264.00	264.00	2441.00
3008 MATLICK DITCH F-13 E	80.00	80.00	1266.00
3007 MATLICK DITCH F-14	12.00	12.00	82.00
3035 MATLICK DITCH #154	64.00	64.00	1610.00
3154 TATUM RETURN G-2	.00	.00	235.00-
3037 MATLICK DITCH #63A	98.00-	98.00-	993.00-
3038 TATUM RETURN H-1	6.00-	6.00-	1041.00-
3003 MATLICK DITCH RETURN @ B-1 DRAIN	44.00-	44.00-	133.00-
3010 MATLICK RETURN @ C DRAIN	274.00-	274.00-	1691.00-
B61B41 DITCH LOSS #154 TO RETURN @ B1	19.47-	19.47-	341.87-
B61B42 DITCH MAKE F-10 TO RETURN @ C DRAIN	.00	.00	.00
B61B21 SPENCER STOCKWATER	15.50-	15.50-	182.50-
B61B22 STOCKWATER @ F-10	30.69-	30.69-	361.35-
B61B31 OPERATIONS	64.34-	64.34-	491.12-
*TOTALS ACRES= 412 ALOT= 2365 LEFT= 114	.00	.00	2250.16
BA354A SMITH			
HALL DITCH			
3027 HALL DITCH PUMP PLANT #2	8.00	8.00	136.00
3028 HALL DITCH PUMP PLANT #4	34.00	34.00	889.00
*TOTALS ACRES= 219 ALOT= 1095 LEFT= 70	42.00	42.00	1025.00
BARECA RECREATION FARMERS PONDS			
BISHOP CREEK CANAL			
3155 BISHOP CREEK CANAL #5B	.00	.00	666.00
BRCA31 OPERATIONS @ #5B	.00	.00	.00
*TOTALS	.00	.00	666.00
BARECC RECREATION SADDLE CLUB			
BISHOP CREEK CANAL			
3021 BISHOP CREEK CANAL #67	.00	.00	72.00
BRECC3 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 13 ALOT= 65 LEFT= 7-	.00	.00	72.00

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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 4/01/10
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BARECD	RECREATION BUCKLEY PONDS			
	SOUTH FORK BISHOP CREEK			
3194	S FORK BISHOP CR BELOW BISHOP CR CANAL	406.00	406.00	5446.00
3193	SANDERS POND RETURN	184.00-	184.00-	1865.00-
3066	RAWSON POND # 3 RETURN TO OWENS RIVER	80.00-	80.00-	854.00-
BRCD31	OPERATIONS	.00	.00	.00
*TOTALS		142.00	142.00	2727.00
BA338	YRIBARREN			
	FORD-RAWSON CANAL & KEOUGH			
2003	FORD RAWSON CANAL DIVERSION #2	53.00	53.00	946.00
2024	FORD RAWSON CANAL DIVERSION #3	.00	.00	3257.00
2004	FORD RAWSON CANAL DIVERSION #7	.00	.00	1020.00-
2043	YRIBARREN RETURN #2	.00	.00	.00
B38402	FORD RAWSON CANAL LOSS	.00	.00	465.77-
B38201	STOCKWATER @ #2	30.69-	30.69-	358.94-
B38401	FORD RAWSON CANAL DITCH MAKE	.00	.00	.00
3368	RAWSON & KEOUGH DITCH E/O HWY 395	63.00	63.00	495.00
3369	RAWSON & KEOUGH DITCH RETURN AT A-DRAI	57.00-	57.00-	349.00-
B38202	CASHBAUGH STOCKWATER	5.42-	5.42-	101.41-
B38403	KEOUGH DITCH LOSS	.58-	.58-	44.59-
B38301	OPERATIONS	22.31-	22.31-	134.76-
*TOTALS	ACRES= 427 ALOT= 2135 LEFT= 88-	.00	.00	2223.53
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	66.08
BC3613	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 26 ALOT= 130 LEFT= 63	.00	.00	66.08
RVRECA	RECREATION MILL POND			
	MCGEE CREEK			
3185	MCGEE CREEK @ ABELOUR RANCH	266.00	266.00	3018.00
3235	MILL POND RETURN	143.00-	143.00-	1203.00-
RRCA41	DITCH MAKE	.00	.00	.00
*TOTALS		123.00	123.00	1815.00

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FROM 3/01/11 TO 3/31/11

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 4/01/10
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LAE&MH	FIVE BRIDGES RECHARGE BISHOP CREEK CANAL			
3242	BISHOP CREEK CANAL DIVERSION #2	.00	.00	459.00
LEMGE5	MITIGATION WATER @ DIVERSION #4	.00	.00	.00
3317	BISHOP CREEK CANAL DIVERSION #6	12.00	12.00	196.00
LEMH2	STOCKWATER @ DIVERSION #2 & #6	12.00-	12.00-	275.00-
LEMH3	OPERATIONS	.00	.00	380.00-
*TOTALS		.00	.00	.00
BA353	HADELER & MILORADICH WONACOTT & SMITH DITCH			
3015	WONACOTT A-1	75.00	75.00	1086.00
3053	TOMMY SMITH DITCH # 162-A	1.00	1.00	90.00
3013	164-B WATTERSON	.00	.00	.00
3017	WONACOTT A-2	77.00-	77.00-	926.00-
BA3534	WONACOTT DITCH LOSS	.00	.00	33.61-
BA534	DITCH MAKE	1.00	1.00	1.00
BA3533	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 38 ALOT= 190 LEFT= 27-	.00	.00	217.39
BA005A	ONEY OTEY DITCH			
3049	# 161 OTEY	122.00	122.00	1326.00
3377	OTEY DITCH RETURN AT MATLICK DITCH	115.00-	115.00-	1336.00-
B05A4	DITCH LOSS	7.00-	7.00-	8.14-
B05A42	DITCH MAKE	.00	.00	53.00
*TOTALS	ACRES= 13 ALOT= 65 LEFT= 30	.00	.00	34.86
BA005B	SAFSTROM MATLICK DITCH			
3378	OTEY DITCH DIVERSION ABOVE MATLICK DIT	.00	.00	49.00
B05B4	DITCH LOSS	.00	.00	.00
*TOTALS	ACRES= 20 ALOT= 100 LEFT= 51	.00	.00	49.00
BA006A	BARTON MATLICK DITCH			
3064	MATLICK DITCH AT INTAKE # 61	212.00	212.00	4164.00
3377	OTEY DITCH RETURN AT MATLICK DITCH	115.00	115.00	1336.00
		.00	.00	.00
B06A1	PRIVATE DIVERSION	30.69-	30.69-	30.69-
B06A4	DITCH LOSS	296.31-	296.31-	3389.07-
*TOTALS	ACRES= 14 ALOT= 70 LEFT= 2010-	.00	.00	2080.24
BA1479	HIDDEN CREEKS RANCH SOUTH INDIAN DITCH			
3025	SOUTH INDIAN DITCH DIVERSION # 3	.00	.00	32.39
B14793	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 27 ALOT= 135 LEFT= 102	.00	.00	32.39

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BISHOP CONE AUDIT

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ACRE - FEET

ACCOUNTS & STATIONS

PERIOD MAR SINCE
M-T-D 4/01/10

ACCOUNTS & STATIONS	PERIOD	MAR M-T-D	SINCE 4/01/10
BA392 LACEY LIVESTOCK YOUNG & MATLICK DITCHES			
3387 MATLICK DITCH TO THE NORTH	61.00	61.00	1142.00
3398 MATLICK DITCH #1	231.00	231.00	3711.00
BA9242 DITCH LOSS	.00	.00	.00
3399 REINHACKEL #1	20.00	20.00	670.00
3400 YOUNG DITCH #1	.00	.00	243.00
3401 YOUNG DITCH #2	34.00-	34.00-	559.00-
3406 C-DRAIN AT INTAKE	174.00-	174.00-	2478.00-
BA921 MATLICK DITCH F-10	132.00-	132.00-	2321.00-
BA924 DITCH MAKE	28.00	28.00	160.00
BA923 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 140 ALOT= 700 LEFT= 132	.00	.00	568.00

BA301 AUBREY & MOXLEY NELLIGAN & YOUNG DITCHES			
3396 NELLIGAN DIV. #1	62.00	62.00	1463.00
3397 NELLIGAN BELOW DIV. #1	65.00	65.00	1131.00
3401 YOUNG DITCH #2	34.00	34.00	559.00
3050 HOLLAND # 63-B	53.00-	53.00-	333.00-
3404 NELLIGAN DITCH #2	90.00-	90.00-	1775.00-
3402 YOUNG DITCH #3	31.00-	31.00-	402.00-
3407 YOUNG DITCH # 4	.00	.00	37.00-
BA014 DITCH LOSS	.00	.00	13.78-
BA0144 DITCH MAKE	13.00	13.00	13.00
BA013 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 99 ALOT= 495 LEFT= 110-	.00	.00	605.22

BA335 PARTRIDGE & JOHNSON YOUNG DITCH			
3402 YOUNG DITCH #3	31.00	31.00	402.00
3407 YOUNG DITCH # 4	.00	.00	37.00
3403 YOUNG DITCH RETURN TO NELLIGAN	29.00-	29.00-	245.00-
BA354 DITCH LOSS	2.00-	2.00-	42.96-
BA353 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 30 ALOT= 150 LEFT= 1-	.00	.00	151.04

AREA SUMMARY	IRG			
	77.00	77.00	22674.29	
	SW	240.25	240.25	3338.52
	OPER	387.07	387.07	4155.68
	E&M	.00	.00	.00
	GWRC	.00	.00	.00
	REC	265.00	265.00	5738.85
	IND	.00	.00	.00
	DOM	.00	.00	.00
	LORP	.00	.00	.00
TOTAL WATER USE	969.32	969.32	35907.34	

TOTAL IRG AC 4009 TOTAL ALOT 19748 DUTY TO DATE 5.7 AF/AC