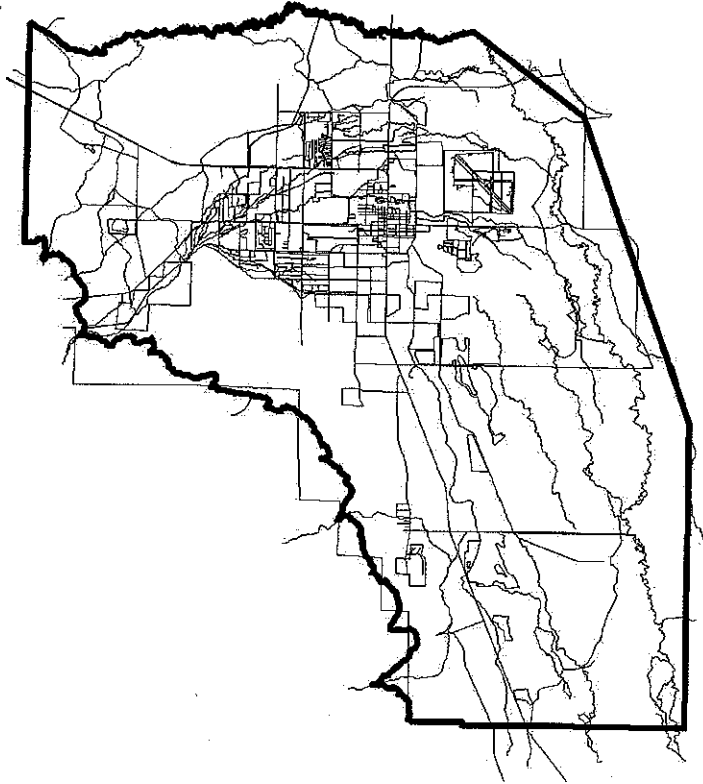


FINAL

THE BISHOP CONE AUDIT FOR THE 2008-2009 RUNOFF YEAR-DRAFT



Randy Jackson
Senior County Hydrologist



Inyo County Water Department
Report 2009-1
October 18, 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 2007-2008 and 2008-2009.

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

LADWP ACCOUNT NUMBER	RUNOFF YEAR* ¹ 2007-2008 (AF)	RUNOFF YEAR* ¹ 2008-2009 (AF)
BA354B or BA362B	27.00	354.00
BA302A	217.00	104.00
BA302B	832.09	1184.04
BA311	2528.24	2587.95
BA313	489.91	590.22
BA324 ³	812.36	1003.58
BA324A	NO DATA	NO DATA
BA324C	NO DATA	NO DATA
BA387A	758.00	960.00
BARECF	226.57	347.10
BA339	249.46	275.94
BA342	NO DATA	NO DATA

LADWP	RUNOFF YEAR* ¹	RUNOFF YEAR* ¹
ACCOUNT NUMBER	2007-2008 (AF)	2007-2008 (AF)
BA362C	NO DATA	NO DATA
BA362D	920.08	622.48
BA304	89.00	271.00
BA324B	NO DATA	NO DATA
BA387B	NO DATA	NO DATA
BA397 (SAME AS BA387B-NEW LEASE HOLDER)	2560.04	2383.79
BA361A	866.30	2336.75
BA361B	1552.62	1837.63
BA354A or 362A	944.00	1081.00
BARECA	536.00	565.00
BARECC	66.00	61.00
BARECD	2404.00	2992.00
BA338	2326.49	2772.97
BAOPRA	0.00	0.00
BAOPRB	0.00	0.00
BAGWRA	NO DATA	NO DATA
RV361	0.00	99.53
RV361B	NO DATA	NO DATA
RVRECA	1200.00	1159.00
LARECB	NO DATA	NO DATA
LAE&MH	253.00	0.00
BAICR	NO DATA	NO DATA
BA1478 (SAME AS BAICR-NEW LEASE HOLDER)	157.88	206.16
BA353	189.40	209.74
BA393	53.00	134.32
BA500 ^{*3}	913.53	778.15
* ³ BA005A	71.45	36.59
* ² BA005B	110.00	45.00
* ² BA006A	64.20(No Credit)	0.00(No Credit) ^{*5}
BA1479	66.00	32.00
BA392 (Lacey)	NO ACCOUNT	402.00 (No Credit) ^{*5}
BA301 (Aubrey and Moxley)	NO ACCOUNT	600.52
BA335 (Partridge and Johnson)	NO ACCOUNT	213.63
BA394 (Berner)	NO ACCOUNT	58.10 (No Credit) ^{*5}
BA360 (Allen)	NO ACCOUNT	366.00 (No Credit) ^{*5}
TOTAL	21,419.42	25,845.09

*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 accounts (BA005A, BA005B and BA006A) are active water use accounts, but in the past have been denied by Inyo for lack of measuring devices. A device has been installed at BA005A and at BA005B and inspected by ICWD personnel. Devices have not yet been installed at accounts BA006A and BAGOLF). 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 in the next runoff year to establish credit.

Field inspections were performed on August 31, 2009 with LADWP personnel and new accounts BA301 and BA335 were given credit and accepted as valid accounts. Field inspections are planned for the other new accounts next runoff year, but credit was denied in this audit.

Map 1 attached, shows the location of the Bishop Cone, the pumping and flowing wells on the Bishop Cone and the location of Bishop Cone Accounts. In general, there was an increase in water use, on most accounts from runoff years 2007-2008 to 2008-2009 as well as an overall total increase in water use of 4,212.04 acre-feet in 2008-2009. Several accounts were not granted credit this runoff year and await inspections in the next runoff year (See Table 1).

TOTAL LADWP GROUNDWATER EXTRACTION ON LADWP-OWNED LAND ON THE BISHOP CONE FOR RUNOFF YEARS 2007-2008 AND 2008-2009

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."

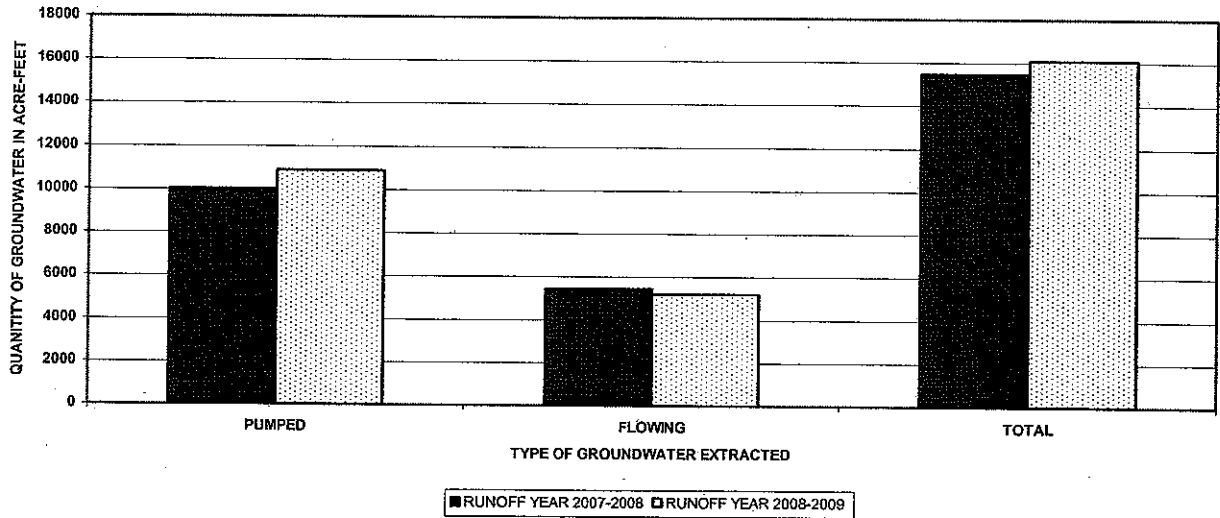
Total LADWP groundwater extraction and groundwater extraction classified as flowing and pumped groundwater in acre-feet, on the Bishop Cone for the runoff years of 2007-2008 and 2008-2009, are shown in Table 2, below. The 2008-2009 Runoff Year groundwater extraction shows an increase over the previous runoff year's extraction of some 623 acre-feet, but is within the range of extractions previously conducted 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 2007-2008 (AF)	RUNOFF YEAR 2008-2009 (AF)
PUMPED	10,018.00	10,900.00
FLOWING	5,454.00	5,195.00
TOTAL	15,472.00	16,095.00

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 2, below:

FIGURE 2: TYPE OF LADWP GROUNDWATER AND TOTAL GROUNDWATER EXTRACTION ON THE BISHOP CONE FOR RUNOFF YEARS 2007-2008 AND 2008-2009



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 2008-2009. (NA- NOT APPLICABLE)

WELL	FLOWING GROUNDWATER (ACRE-FEET)	PUMPED GROUNDWATER (ACRE-FEET)
F121	36	NA
F122	160	NA
F123	165	NA
F124	0	NA
F125	982	NA
F126	287	NA
F127	388	NA
F128	371	NA
F129	171	NA
F130	208	NA
F131	886	NA
F132	357	NA
F133	415	NA
F134	625	NA
F136	144	NA
W410	NA	1,950
W406	NA	1,194
W371	NA	501
W411	NA	2,712
W407	NA	1,028
W408	NA	1,139
W140	NA	892
W412	NA	1,484
TOTAL	5,195	10,900

**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 2007-2008 and 2008-2009.

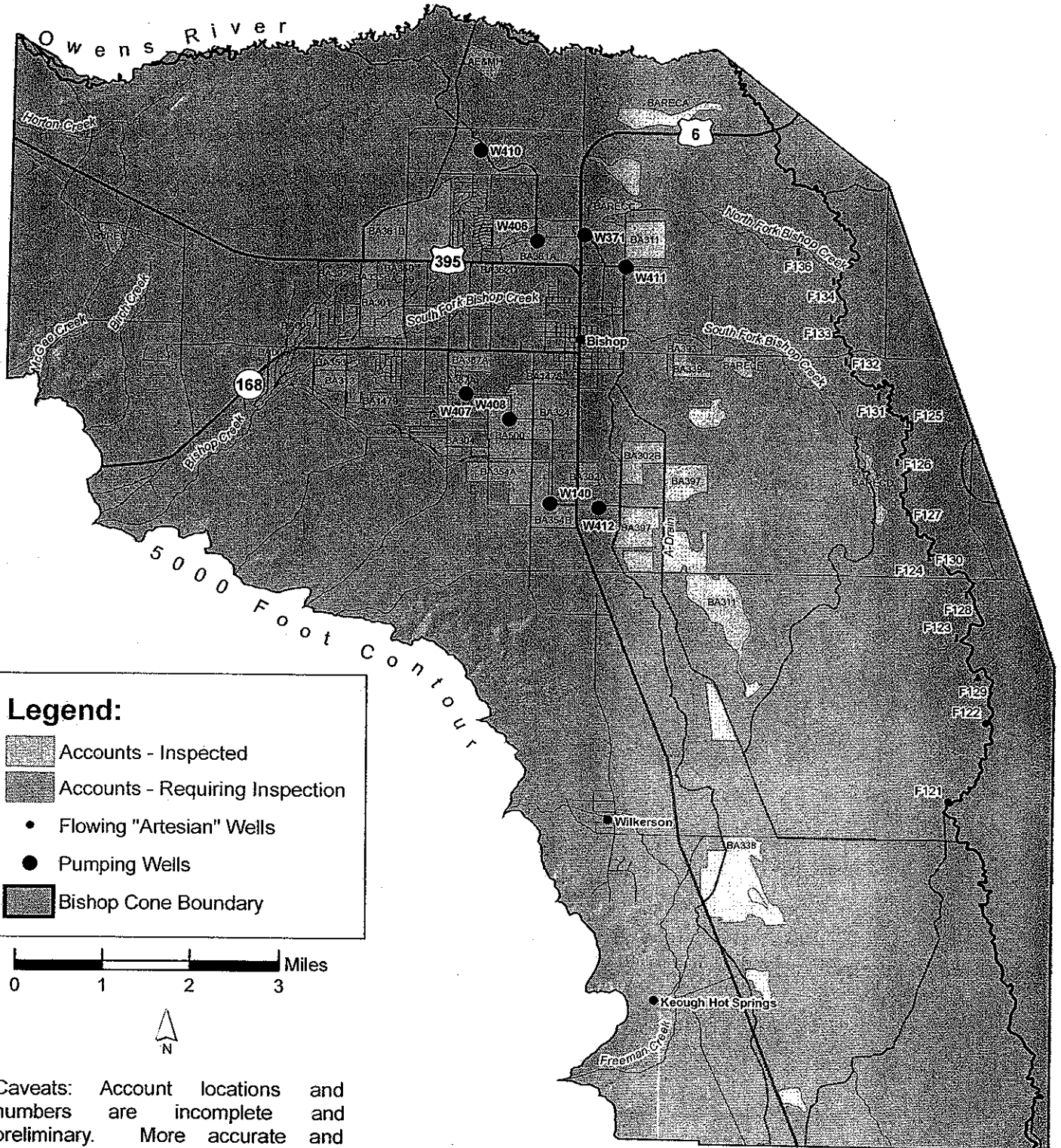
TABLE 4. LADWP USES IN COMPARISON TO LADWP GROUNDWATER EXTRACTION ON THE BISHOP CONE.

	RUNOFF YEAR 2007-2008(AF)	RUNOFF YEAR 2008-2009(AF)
TOTAL USES	21,419.42	25,631.46
TOTAL GROUNDWATER EXTRACTION	15472.00	16,095.00

ATTACHMENT 1

Inyo County Water Department

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
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

D. Bishop Cone Audit

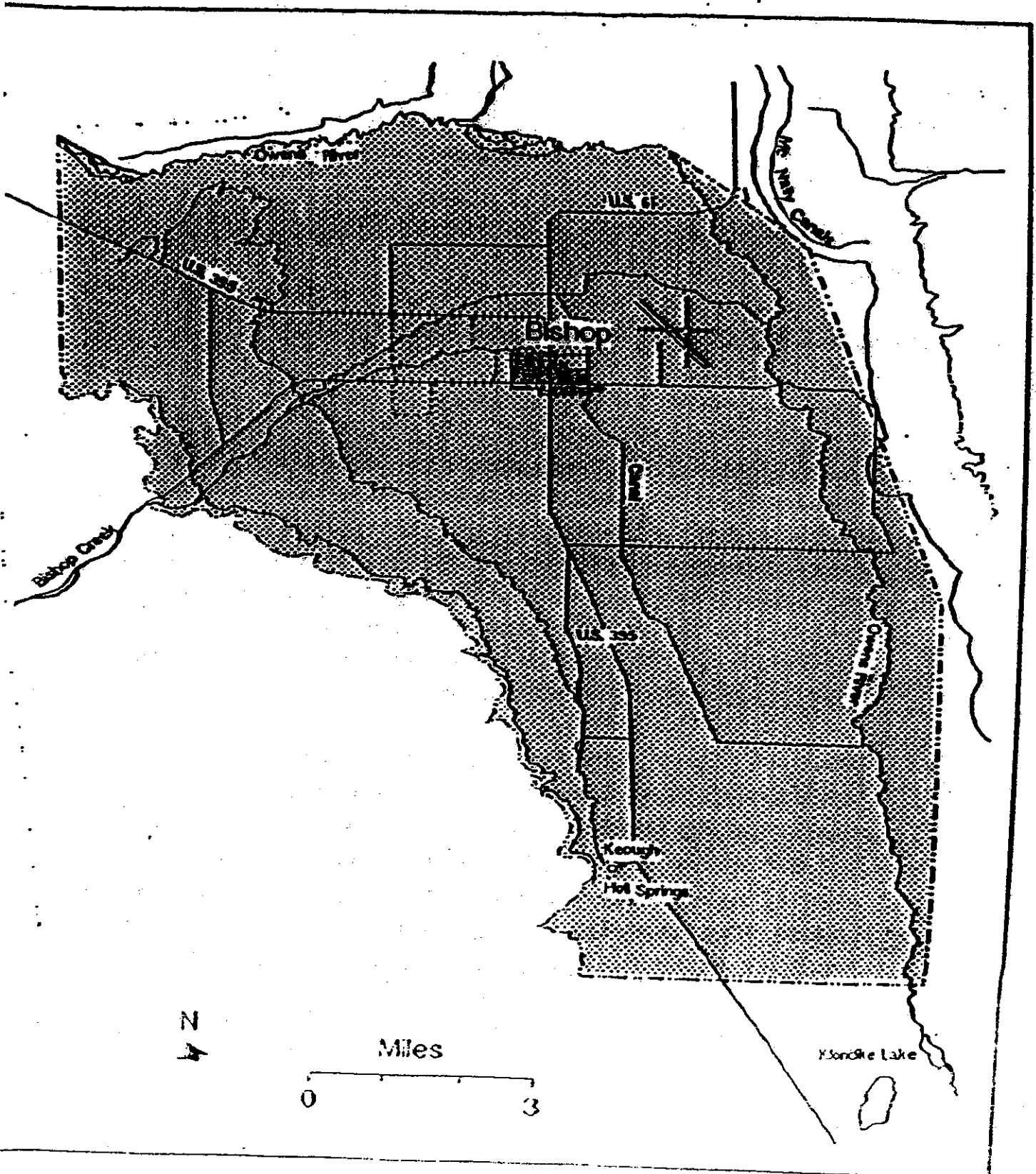
This sub-section describes the procedures for conducting the Bishop Cone audit in accordance with Section VII.A of the Agreement. The Bishop Cone audit is an annual accounting of LADWP groundwater extraction and water usage on Los Angeles-owned land on the Bishop Cone. The Agreement provides that, during 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
NICK PATSAOURAS, *President*
EDITH RAMIREZ, *Vice-President*
LEE KANON ALPERT
WALLY KNOX
FORESCEE HOGAN-ROWLES
BARBARA E. MOSCHOS, *Secretary*

H. DAVID NAHAI
Chief Executive Officer and General Manager

May 7, 2009

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

Dear Dr. Harrington:

Subject: Bishop Cone Audit

Enclosed is flowing well data from Bishop Cone for the 2008-2009 runoff year. The Los Angeles Department of Water and Power also pumped 10,900 acre-feet of groundwater from the Cone during the year.

Also enclosed is the Bishop Cone Audit Report for the 2008-2009 runoff year.

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

Sincerely,

Clarence E. Martin
Assistant Aqueduct Manager

Enclosures

c: Mr. Wayne Hopper

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Bishop, California mailing address: 300 Mandich Street • Bishop, CA 93514-3449 • Telephone: (760) 872-1104 • Fax (760) 873-0266
111 North Hope Street, Los Angeles, California • Mailing address: Box 51111 • Los Angeles, CA 90051-0100
Telephone: (213) 367-4211 • Cable address: DEWAPOLA



**2008/2009 RUNOFF YEAR BISHOP CONE FLOWING WELL TOTALS
(ACRE-FEET)**

WELL	2008												2009			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	4	7	8	17	19	18	17	13	13	15	14	15	15	160		
F123	1	0	1	16	19	18	19	18	19	19	17	18	18	165		
F124	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
F125	83	85	80	79	79	79	85	82	83	85	77	85	85	982		
F126	25	26	24	25	24	22	23	22	24	24	23	25	25	287		
F127	32	33	32	33	33	32	33	32	33	33	29	33	33	388		
F128	30	31	30	31	32	32	32	30	31	32	28	32	32	371		
F129	16	16	15	15	15	13	14	13	14	14	12	14	14	171		
F130	20	21	17	17	16	17	19	16	15	15	16	19	19	208		
F131	79	79	74	73	71	72	76	73	73	73	67	76	76	886		
F132	30	31	30	31	31	30	31	29	28	28	28	30	30	357		
F133	41	40	33	28	28	31	36	33	32	37	35	41	41	415		
F134	55	52	48	51	48	48	53	54	54	55	51	56	56	625		
F136	15	14	9	10	11	11	12	13	14	12	11	12	12	144		
TOTAL	434	438	404	429	429	426	453	431	436	445	411	459	459	5195		

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BISHOP CONE AUDIT

FROM 3/01/09 TO 3/31/09

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 4/01/08
BA354B SMITH A-1 DRAIN				
3031	A-1 DRAIN PP #1 @ HALL DITCH	.00	.00	.00
3032	A-1 DRAIN PP #3 @ WELL 140	17.00	17.00	354.00
*TOTALS ACRES= 148 ALOT= 740 LEFT= 386		17.00	17.00	✓ 354.00 ✓
BA302A ALICE J. BOOTHE, ET AL HALL DITCH				
3006	HALL DITCH @ GOLF COURSE RETURN	1.00	1.00	104.00
B02A11	HALL DITCH @ BOOTHE	5.01	5.01	54.05
B02A21	STOCKWATER	5.01	5.01	54.05
B02A32	OPERATIONS	.00	.00	.00
*TOTALS ACRES= 47 ALOT= 235 LEFT= 131		1.00	1.00	✓ 104.00 ✓
BA302B ALICE J. BOOTH, ET AL BISHOP CREEK CANAL				
3161	BISHOP CREEK CANAL #16	72.00	72.00	762.00
3162	BISHOP CREEK CANAL #17	.00	.00	521.00
3164	BISHOP CREEK CANAL #20	40.00	40.00	654.00
3165	BISHOP CREEK CANAL #21	.00	.00	120.00
B02B21	STOCKWATER @ #16	30.69	30.69	356.60
B02B22	STOCKWATER @ #20	6.20	6.20	72.86
B02B41	DITCH MAKE	.00	.00	.00
B02B31	OPERATIONS	75.11	75.11	443.50
*TOTALS ACRES= 120 ALOT= 600 LEFT= 584		.00	.00	✓ 1184.04 ✓
BA311 J.W. CASHBAUGH, ET AL BISHOP CREEK CANAL				
3166	BISHOP CREEK CANAL #5	.00	.00	537.00
3022	BISHOP CREEK CANAL #5A	.00	.00	374.00
3167	BISHOP CREEK CANAL #9	.00	.00	381.00
3168	BISHOP CREEK CANAL #30	38.00	38.00	2109.00
B11201	STOCKWATER @ #30	30.00	30.00	358.98
3022	CREDIT FOR TATUM RETURN @ #5A	.00	.00	374.00
B11301	OPERATIONS	8.00	8.00	80.07
B11302	OPERATIONS @ DIVERSION #1	.00	.00	.00
*TOTALS ACRES= 561 ALOT= 2805 LEFT= 217		.00	.00	✓ 2587.95 ✓
BA313 BOYD & ONEY NORTH INDIAN DITCH				
3016	NORTH INDIAN ABOVE MUMY LANE #58E	472.00	472.00	6543.00
3017	WONACOTT A-2	56.00	56.00	867.00
3015	WONACOTT A-1	63.00	63.00	1047.00
3054	WONACOTT A-3 RETURN	11.00	11.00	189.00
3051	WONACOTT 58F	42.00	42.00	680.00
3018	NORTH INDIAN B-2	345.00	345.00	4177.00
B13401	NORTH INDIAN DITCH LOSS	64.00	64.00	718.89
B13402	WONACOTT DITCH LOSS	3.00	3.00	16.00
B13404	WONACOTT DITCH MAKE	.00	.00	11.00
B13301	OPERATIONS	.00	.00	.00
*TOTALS ACRES= 84 ALOT= 420 LEFT= 170		.00	.00	✓ 2.89 ✓ ✓ 590.22 ✓

(BCA)
5/01/09
08:26

BISHOP CONE AUDIT

FROM 3/01/09 TO 3/31/09

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 4/01/08
BA324 DANIELS, ROSSI, HANNON NORTH & SOUTH INDIAN DITCH			
3370 NORTH INDIAN DIVERSION W/O SUNLAND	.00	.00	44.00
3270 SOUTH INDIAN D-3	77.00	77.00	2170.00
3005 SOUTH INDIAN DITCH D-4	87.00-	87.00-	1146.00-
B244 DITCH LOSS	.00	.00	84.42-
B2442 DITCH MAKE	10.00	10.00	22.00
B243 OPERATIONS	.00	.00	2.00-
*TOTALS ACRES= 163 ALOT= 815 LEFT= 188-	.00	.00	✓1003.58 ✓
BA1478 INDIAN CREEK RANCH (BL-1478) GEORGE & N. INDIAN DITCH			
3002 GEORGE DITCH WEST OF SUNLAND AVENUE	50.00	50.00	749.00
3068 GEORGE DITCH C-3	36.00-	36.00-	510.00-
BICR42 GEORGE DITCH LOSS	14.00-	14.00-	111.07-
BAICR4 DITCH MAKE	.00	.00	.00
3264 NORTH INDIAN DITCH BELOW A-1 DRAIN B3A	313.00	313.00	2439.00
3370 NORTH INDIAN DIVERSION W/O SUNLAND	.00	.00	44.00-
3364 NORTH INDIAN DITCH W/O HWY 395	309.00-	309.00-	2358.00-
BICR43 NORTH INDIAN DITCH LOSS	4.00-	4.00-	41.23
BAICR3 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 41 ALOT= 205 LEFT= 1-	.00	.00	✓206.16 ✓
BA387A GIACOMINI NORTH INDIAN DITCH			
3043 NORTH INDIAN DITCH B-3	.00	.00	734.00
3011 WEST LINE L-2	.00	.00	226.00
B87A3 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 122 ALOT= 610 LEFT= 350-	.00	.00	✓960.00 ✓
BARECF RECREATION FOREST SERVICE KINGSLEY DITCH			
3023 KINGSLEY DITCH C-4	46.00	46.00	1153.00
3183 CEMETERY DITCH	41.00-	41.00-	629.00-
BRCF41 DITCH MAKE	.00	.00	.00
BRCF42 DITCH LOSS	5.00-	5.00-	176.90-
*TOTALS ACRES= 43 ALOT= 215 LEFT= 132-	.00	.00	✓347.10 ✓
BA339 DOHNEL KINGSLEY DITCH			
3170 KINGSLEY DITCH C-1	16.00	16.00	576.00
B39201 STOCKWATER @ C-1	15.98-	15.98-	292.13-
B39301 OPERATIONS	.02-	.02-	7.93-
*TOTALS ACRES= 39 ALOT= 195 LEFT= 80-	.00	.00	✓275.94 ✓
BA393 CABALLERO KINGSLEY DITCH			
3061 KINGSLEY DITCH PUMP PLANT	.00	.00	66.32
3171 BISHOP CREEK DITCH # 11	.00	.00	72.00
BA933 OPERATIONS @ #11	.00	.00	4.00-
*TOTALS ACRES= 18 ALOT= 90 LEFT= 44-	.00	.00	✓134.32 ✓

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BISHOP CONE AUDIT

FROM 3/01/09 TO 3/31/09

A C C O U N T S & S T A T I O N S	P E R I O D	A C R E - F E E T	
		MAR M-T-D	SINCE 4/01/08
BA362D JJ TATUM, LJ TATUM DAIRY DITCH			
3388 INDIAN SOUTH RETURN ON SEE-VEE LANE	.00	.00	696.00
3389 INDIAN MIDDLE RETURN ON SEE-VEE LANE	.00	.00	90.00
3390 INDIAN NORTH RETURN ON SEE-VEE LANE	2.00	2.00	429.00
3001 DAIRY DITCH # 69	19.00	19.00	1137.00
B62D21 DAIRY STOCKWATER	18.96-	18.96-	288.14-
B62D31 OPERATIONS DAIRY DITCH	2.04-	2.04-	1343.38-
3160 INDIAN IRRIGATION/DAIRY DITCH	.00	.00	98.00-
*TOTALS ACRES= 182 ALOT= 578 LEFT= 44-	.00	.00	✓ 622.48 ✓
BA304 ANDREW & DAN BOYD NEWLON DITCH			
3026 NEWLON DITCH BOYD PUMP PLANT	2.00	2.00	271.00
*TOTALS ACRES= 48 ALOT= 240 LEFT= 31-	2.00	2.00	✓ 271.00 ✓
BA500 TALBOT GEORGE & S. INDIAN DITCH			
3012 GEORGE DITCH C-1	45.00	45.00	1053.00
3002 GEORGE DITCH WEST OF SUNLAND AVENUE	50.00-	50.00-	749.00-
B24B41 BUHS STOCKWATER	5.00	5.00	33.08-
B24B44 DITCH LOSS	.00	.00	47.14-
B24B04 DITCH MAKE	.00	.00	280.00-
3365 PARK WEST RETURN S/O A-DRAIN	3.00	3.00	201.00
3047 4 X - 58D	344.00	344.00	3523.00
3366 SOUTH INDIAN DITCH DIVERSION # 1 N/O S	.00	.00	46.00
3367 SOUTH INDIAN DITCH DIVERSION # 2 N/O S	.00	.00	514.00
W408 WELL # 408	4.00	4.00	1139.00
3046 SOUTH INDIAN RETURN AT A-1 DRAIN	253.00-	253.00-	2082.00-
3270 SOUTH INDIAN D-3	77.00-	77.00-	2170.00-
B004 DITCH LOSS	21.00-	21.00-	426.24-
B0040 DITCH MAKE	.00	.00	168.00
B50B31 OPERATIONS	.00	.00	78.39-
*TOTALS ACRES= 178 ALOT= 890 LEFT= 111	.00	.00	✓ 778.15 ✓
BA397 GIACOMINI BISHOP CREEK CANAL			
3172 BISHOP CREEK DITCH # 16-A	.00	.00	.00
3163 BISHOP CREEK DITCH # 19	.00	.00	647.00
3173 BISHOP CREEK DITCH # 19-A	.00	.00	.00
3174 BISHOP CREEK DITCH # 22	.00	.00	414.00
3019 BISHOP CREEK CANAL DIVERSION # 24	62.00	62.00	1248.00
3020 BISHOP CREEK CANAL DIVERSION # 25	.00	.00	276.00
3024 BISHOP CREEK CANAL DIVERSION # 29	38.00	38.00	664.00
3392 FORD RAWSON-DIV 1A	.00	.00	38.00
B9721 STOCKWATER @ #29	30.69-	30.69-	304.25-
B9722 BOOTHE STOCKWATER @ #19	.00	.00	60.07-
B9723 STOCKWATER @ #19 & #24	30.63-	30.63-	298.40-
B9731 OPERATIONS	38.68-	38.68-	240.49-
*TOTALS ACRES= 482 ALOT= 2410 LEFT= 26	.00	.00	✓ 2383.79 ✓

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A C C O U N T S & S T A T I O N S	P E R I O D	A C R E - F E E T	
		MAR M-T-D	SINCE 4/01/08
BA361A ST RANCH			
NORTH FORK BISHOP CREEK			
3036 NORTH FORK BISHOP CREEK I-1	62.00	62.00	1460.00
3004 NORTH FORK BISHOP CREEK I-2	.00	.00	940.00
3042 TATUM RETURN AT HIGHWAY 6	.00	.00	55.00-
3039 TATUM RETURN AT BISHOP CREEK CANAL	42.00-	42.00-	470.00-
3022 BISHOP CREEK CANAL #5A	.00	.00	374.00-
B61A21 STOCKWATER @ I-1	13.90-	13.90-	273.81-
3316 WELL #406	5.00	5.00	1203.00
B61A41 DITCH MAKE	.00	.00	.00
B61A31 OPERATIONS	11.10-	11.10-	93.44-
*TOTALS ACRES= 262 ALOT= 1005 LEFT= 1331-	.00	.00	✓ 2336.75 ✓
BA361B ST RANCH			
MATLICK DITCH			
3009 MATLICK DITCH F-10	57.00	57.00	1692.00
3040 MATLICK DITCH F-13 N	105.00	105.00	1470.00
3008 MATLICK DITCH F-13 E	35.00	35.00	511.00
3007 MATLICK DITCH F-14	2.00	2.00	59.00
3035 MATLICK DITCH #154	58.00	58.00	1285.00
3154 TATUM RETURN G-2	.00	.00	28.00-
3037 MATLICK DITCH #63A	42.00-	42.00-	547.00-
3038 TATUM RETURN H-1	.00	.00	412.00-
3003 MATLICK DITCH RETURN @ B-1 DRAIN	39.00-	39.00-	319.00-
3010 MATLICK RETURN @ C DRAIN	106.00-	106.00-	928.00-
B61B41 DITCH LOSS #154 TO RETURN @ B1	19.00-	19.00-	314.39-
B61B42 DITCH MAKE F-10 TO RETURN @ C DRAIN	.00	.00	7.47
B61B21 SPENCER STOCKWATER	15.50-	15.50-	182.50-
B61B22 STOCKWATER @ F-10	30.69-	30.69-	357.94-
B61B31 OPERATIONS	4.81-	4.81-	98.01-
*TOTALS ACRES= 412 ALOT= 2365 LEFT= 527	.00	.00	✓ 1837.63 ✓
BA354A SMITH			
HALL DITCH			
3027 HALL DITCH PUMP PLANT #2	2.00	2.00	169.00
3028 HALL DITCH PUMP PLANT #4	4.00	4.00	912.00
*TOTALS ACRES= 219 ALOT= 1095 LEFT= 14	6.00	6.00	✓ 1081.00 ✓
BARECA RECREATION FARMERS PONDS			
BISHOP CREEK CANAL			
3155 BISHOP CREEK CANAL #5B	6.00	6.00	565.00
BRCA31 OPERATIONS @ #5B	.00	.00	.00
*TOTALS	6.00	6.00	✓ 565.00 ✓
BARECC RECREATION SADDLE CLUB			
BISHOP CREEK CANAL			
3021 BISHOP CREEK CANAL #67	.00	.00	61.00
BRECC3 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 13 ALOT= 65 LEFT= 4	.00	.00	✓ 61.00 ✓

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BISHOP CONE AUDIT

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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 4/01/08
BARECD	RECREATION BUCKLEY PONDS			
	SOUTH FORK BISHOP CREEK			
3194	S FORK BISHOP CR BELOW BISHOP CR CANAL	422.00	422.00	5181.00
3193	SANDERS POND RETURN	250.00-	250.00-	2189.00-
		.00	.00	.00
BRCD31	OPERATIONS	.00	.00	.00
*TOTALS		172.00	172.00	✓2992.00 ✓
BA338	YRIBARREN			
	FORD-RAWSON CANAL & KEOUGH			
2003	FORD RAWSON CANAL DIVERSION #2	48.00	48.00	971.00
2024	FORD RAWSON CANAL DIVERSION #3	.00	.00	3944.00
2004	FORD RAWSON CANAL DIVERSION #7	.00	.00	969.00-
2043	YRIBARREN RETURN #2	.00	.00	.00
B38402	FORD RAWSON CANAL LOSS	.00	.00	730.36-
B38201	STOCKWATER @ #2	30.69-	30.69-	351.43-
B38401	FORD RAWSON CANAL DITCH MAKE	.00	.00	.00
3368	RAWSON & KEOUGH DITCH E/O HWY 395	63.00	63.00	525.00
3369	RAWSON & KEOUGH DITCH RETURN AT A-DRAI	43.00-	43.00-	344.00-
B38202	CASHBAUGH STOCKWATER	11.18-	11.18-	109.86-
B38403	KEOUGH DITCH LOSS	8.82-	8.82-	71.14-
B38301	OPERATIONS	17.31-	17.31-	91.24-
*TOTALS	ACRES= 427 ALOT= 2135 LEFT= 637-	.00	.00	✓2772.97 ✓
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	99.53
BC3613	OPERATIONS	.00	.00	.00
*TOTALS	ACRES= 26 ALOT= 130 LEFT= 30	.00	.00	✓99.53 ✓
RVRECA	RECREATION MILL POND			
	MCGEE CREEK			
3185	MCGEE CREEK @ ABELOUR RANCH	192.00	192.00	2163.00
3235	MILL POND RETURN	120.00-	120.00-	1004.00-
RRCA41	DITCH MAKE	.00	.00	.00
*TOTALS		72.00	72.00	✓1159.00 ✓

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BISHOP CONE AUDIT

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A C C O U N T S & S T A T I O N S	P E R I O D	A C R E - F E E T	
		MAR M-T-D	SINCE 4/01/08
LAE&MH FIVE BRIDGES RECHARGE BISHOP CREEK CANAL			
3242 BISHOP CREEK CANAL DIVERSION #2	.00	.00	552.00
LEMGE5 MITIGATION WATER @ DIVERSION #4	.00	.00	.00
3317 BISHOP CREEK CANAL DIVERSION #6	4.00	4.00	197.00
LEMH2 STOCKWATER @ DIVERSION #2 & #6	4.00-	4.00-	290.00-
LEMH3 OPERATIONS	.00	.00	459.00-
*TOTALS	.00	.00	✓.00 ✓
BA353 HADELER & MILORADICH WONACOTT & SMITH DITCH			
3015 WONACOTT A-1	63.00	63.00	1047.00
3053 TOMMY SMITH DITCH # 162-A	1.00	1.00	101.00
3013 164-B WATTERSON	.00	.00	.00
3017 WONACOTT A-2	56.00-	56.00-	867.00-
BA3534 WONACOTT DITCH LOSS	8.00-	8.00-	71.26-
BA3533 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 38 ALOT= 190 LEFT= 19-	.00	.00	✓209.74 ✓
BAGOLF BISHOP GOLF COURSE WELL AND HALL DITCH			
*TOTALS	.00	.00	✓.00 ✓
BA005A ONEY OTHEY DITCH			
3049 # 161 OTEY	33.00	33.00	699.00
3377 OTEY DITCH RETURN AT MATLICK DITCH	28.00-	28.00-	603.00-
B05A4 DITCH LOSS	5.00-	5.00-	59.41-
B05A42 DITCH MAKE	.00	.00	.00
*TOTALS ACRES= 13 ALOT= 65 LEFT= 28	.00	.00	✓36.59 ✓
BA005B SAFSTROM MATLICK DITCH			
3378 OTEY DITCH DIVERSION ABOVE MATLICK DIT	.00	.00	45.00
B05B4 DITCH LOSS	.00	.00	.00
*TOTALS ACRES= 20 ALOT= 100 LEFT= 55	.00	.00	✓45.00 ✓
BA006A BARTON MATLICK DITCH			
3064 MATLICK DITCH AT INTAKE # 61	129.00	129.00	2909.00
3377 OTEY DITCH RETURN AT MATLICK DITCH	28.00	28.00	603.00
3387 MATLICK DITCH TO THE NORTH	48.00-	48.00-	1084.00-
3379 MATLICK DIV. TO THE EAST	4.00-	4.00-	260.00-
B06A4 DITCH LOSS	105.00-	105.00-	2178.37-
*TOTALS ACRES= 14 ALOT= 70 LEFT= 80	.00	.00	✓10.37 ✓
			INSPECTION NEEDED
BA1479 HIDDEN CREEKS RANCH SOUTH INDIAN DITCH			
3025 SOUTH INDIAN DITCH DIVERSION # 3	.00	.00	32.00 ✓
B14793 OPERATIONS	.00	.00	.00
*TOTALS ACRES= 27 ALOT= 135 LEFT= 103	.00	.00	✓32.00 ✓

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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 4/01/08
BA392 LACEY LIVESTOCK YOUNG & MATLICK DITCHES			
3387 MATLICK DITCH TO THE NORTH	48.00	48.00	1084.00
3398 MATLICK DITCH #1	174.00	174.00	3031.00
BA9444 DITCH LOSS	28.00-	28.00-	28.00-
3399 REINACKEL #1	62.00	62.00	563.00
3400 YOUNG DITCH #1	11.00	11.00	378.00
3401 YOUNG DITCH #2	52.00-	52.00-	889.00-
3406 C-DRAIN AT INTAKE	192.00-	192.00-	2230.00-
BA921 MATLICK DITCH F-10	57.00-	57.00-	1692.00-
BA924 DITCH MAKE	34.00	34.00	215.00
BA923 OPERATIONS	.00	.00	30.00-
*TOTALS ACRES= 262 ALOT= 1310 LEFT= 908	.00	.00	✓ 402.00 ✓
BA301 AUBREY & MOXLEY NELLIGAN & YOUNG DITCHES			INSPECTION NEEDED
3396 NELLIGAN DIV. #1	73.00	73.00	1343.00
3397 NELLIGAN BELOW DIV. #1	64.00	64.00	1072.00
3401 YOUNG DITCH #2	52.00	52.00	889.00
3050 HOLLAND # 63-B	32.00-	32.00-	251.00-
3404 NELLIGAN DITCH #2	75.00-	75.00-	1506.00-
3402 YOUNG DITCH #3	54.00-	54.00-	828.00-
3407 YOUNG DITCH # 4	3.79-	3.79-	53.42-
BA014 DITCH LOSS	28.00-	28.00-	28.00-
BA013 OPERATIONS	3.79	3.79	37.06-
*TOTALS ACRES= 99 ALOT= 495 LEFT= 105-	.00	.00	✓ 600.52 ✓
BA335 PARTRIDGE & JOHNSON YOUNG DITCH			
3402 YOUNG DITCH #3	54.00	54.00	828.00
3407 YOUNG DITCH # 4	3.79	3.79	53.42
3403 YOUNG DITCH RETURN TO NELLIGAN	44.00-	44.00-	576.00-
BA354 DITCH LOSS	10.00-	10.00-	10.00-
BA353 OPERATIONS	3.79-	3.79-	81.79-
*TOTALS ACRES= 30 ALOT= 150 LEFT= 63-	.00	.00	✓ 213.63 ✓ INSPECTION NEEDED
BA394 BERNER NELLIGAN & YOUNG DITCHES			
BA941 YOUNG DITCH RETURN TO NELLIGAN	44.00	44.00	576.00
BA9412 NELLIGAN DITCH #2	75.00	75.00	839.82
BA9413 NELLIGAN DITCH #3	91.00-	91.00-	1352.00-
BA9414 HOLLAND RETURN	.00	.00	366.00
BA9444 DITCH LOSS	28.00-	28.00-	28.00-
BA943 OPERATIONS	.00	.00	343.72-
*TOTALS ACRES= 14 ALOT= 70 LEFT= 11	.00	.00	✓ 58.10 ✓
BA360 ALLEN NELLIGAN & YOUNG DITCHES			INSPECTION NEEDED
BA601 YOUNG DITCH RETURN TO NELLIGAN	44.00	44.00	576.00
BA6012 NELLIGAN DITCH #2	75.00	75.00	839.82
BA6013 NELLIGAN DITCH #3	91.00-	91.00-	1352.00-
BA6014 HOLLAND RETURN	.00	.00	✓ 366.00 ✓
			INSPECTION NEEDED

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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 SINCE
M-T-D 4/01/08

BA6044 DITCH LOSS 28.00- 28.00- 28.00-
BA603 OPERATIONS .00 .00 343.72-
*TOTALS ACRES= 13 ALOT= 65 LEFT= 6 .00 .00 58.10

AREA SUMMARY
IRG 26.00 26.00 21228.82
SW 269.12 269.12 3684.10
OPER 157.07 157.07 3780.63
E&M .00 .00 .00
GWRC .00 .00 .00
REC 250.00 250.00 5124.10
IND .00 .00 .00
DOM .00 .00 .00
LORP .00 .00 .00
TOTAL WATER USE 702.19 702.19 33817.65

TOTAL IRG AC 4165 TOTAL ALOT 20493 DUTY TO DATE 5.1 AF/AC