

LOCAL AGENCY FORMATION COMMISSION
OF THE COUNTY OF ALPINE

Teola L. Tremayne
Executive Officer

P.O. Box 158
Markleeville, CA 96120

Telephone 530-694-2281
FAX: 530-694-2491

Margaret Long
County Counsel

AGENDA
FEBRUARY 15, 2022
1:30 P.M.
IN-PERSON AND VIRTUAL MEETING

Notice is hereby given that the Local Agency Formation Commission of the County of Alpine (LAFCO) will meet on February 15, 2022 at 1:30 p.m. (or as soon thereafter as possible following the regular meeting of the Board of Supervisors), at Board Chambers, Alpine County Government Center, 99 Water Street, Markleeville, California.

Join Zoom Meeting or dial (346)248-7799
<https://us06web.zoom.us/j/87172715151>
Meeting ID: 871 7271 5151

- 1. CALL TO ORDER / PLEDGE OF ALLEGIANCE**
Commissioners January Riddle, Terry Woodrow, Ron Hames, Kris Hartnett and Evan Mecak. Alternate Commissioner David Griffith and one alternate public member vacancy.
 - 1.1 Selection of Chair and Vice-Chair for 2022.**
- 2. ORAL COMMUNICATIONS / PUBLIC COMMENT**
Opportunity for members of the public to address the Local Agency Formation Commission on matters not appearing on the agenda. No action may be taken.
- 3. APPROVAL OF MINUTES**
 - 3.1** Approval of special meeting minutes of June 16, 2015.
 - 3.2** Approval of special meeting minutes of February 7, 2022.
- 4. PUBLIC HEARINGS** None.
- 5. UNFINISHED BUSINESS** None
- 6. NEW BUSINESS**
 - 6.1** Discussion and possible direction regarding the 2021/2022 Local Agency Formation Commission budget.
 - 6.2** Discussion and possible direction regarding the Alpine County Sphere of Influence.
- 7. EXECUTIVE OFFICER'S UPDATE**
 - 7.1** Report regarding Special District position consideration.
 - 7.2** Report regarding Kirkwood Meadows Public Utility District's request for initiating the annexation of Caltrans Peddler Hill Maintenance Station.

8. ADJOURNMENT

The Local Agency Formation Commission will adjourn to the next regular meeting at the County Administrative Office Building.

Teola L Tremayne, Executive Officer / Clerk
Alpine County Local Agency Formation Commission

**LOCAL AGENCY FORMATION COMMISSION
OF THE COUNTY OF ALPINE**

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Executive Officer

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**MEETING MINUTES
June 16, 2015**

The Local Agency Formation Commission of the County of Alpine (LAFCo) met on June 16, 2015 at 1:30 p.m. in the Board Chambers, Administrative Office Building, 99 Water Street, Markleeville, California.

1. CALL TO ORDER / ROLL CALL OF MEMBERS

The Local Agency Formation Commission was called to order with Commission Members Donald M. Jardine, Terry Woodrow, Ron Hames, James McLain, Kris Hartnett and Mary Rawson (Alternate Commissioner). Public Commissioner Evan Mecak was absent.

2. ORAL COMMUNICATIONS / PUBLIC COMMENT None

3. APPROVAL OF MINUTES

3.1 Approval of regular meeting minutes of June 21, 2011.

MOTION Woodrow/SECOND Hartnett approving the regular meeting minutes of June 21, 2011 as submitted.

AYES: Commissioners Jardine, Woodrow, Hames, McLain, Hartnett;

ABSTENTION: Alternate Commissioner Rawson;

ABSENT: Commissioner Mecak

MOTION CARRIED.

4. PUBLIC HEARINGS None

5. UNFINISHED BUSINESS None.

6. NEW BUSINESS

6.1 LAFCO 101 presentation by El Dorado LAFCO Executive Officer Jose Henriquez.

El Dorado Executive Officer Jose Henriquez reported that LAFCO was created to regulate the boundaries and promote an efficient and orderly growth and development of local public agencies. Henriquez reported that LAFCO powers included reviewing, approving or disapproving boundary changes; annexations formations incorporations, consolidations and dissolutions of local governments and out of agency service agreements; conduct studies, reviewing proposals, service studies and setting Spheres of Influence; Henriquez reported that jurisdictions of LAFCO included counties, cities and most special districts. Henriquez outlined the application process including forms, agreements, deposits, maps and CEQA determinations. Henriquez explained that LAFCO could assist other agencies' goals related to planning and service by being a partner.

The Commission thanked Henriquez for coming to Alpine County and presenting LAFCO 101.

6.2 Possible action regarding nominations for 2015/2016 CALAFCO Board of Directors.

Executive Officer Teola Tremayne reported the nominations for the 2015 CALAFCO Board of Directors were open. Tremayne reported serving on the CALAFCO Board was a unique opportunity to work with other commissioners throughout the state on legislative, fiscal and operational issues; the Board met four times a year at alternate sites around the state; any LAFCo commissioner or alternate

commissioner was eligible to run for a Board seat. Tremayne reported that nominations were accepted until August 3, 2015 and the members would be voted upon at the CALAFCO annual conference in September.

The Commission agreed not to make a nomination this year.

7. EXECUTIVE OFFICER'S UPDATE None

8. ADJOURNMENT

The Local Agency Formation Commission adjourned to the next regular meeting scheduled for August 18, 2015 at 1:30 p.m. at the County Administrative Office Building, Markleeville California.

Teola L. Tremayne, Executive Officer / Clerk
Alpine County Local Agency Formation Commission

Alpine County
 State of California
 Financing Sources and Uses By
 Budget Unit By Object
 Governmental Funds
 For Fiscal Year 2021-2022

Account Number		Actual	Actual	Budget	Recommended	Approved/ Adopted by The Board of Supervisors
		2019-2020	2020-2021	2020-2021	2021-2022	2021-2022
BudgetUnit: 179 - LOCAL AGENCY FORMATION						
MajClassification: 510 - SERVICES AND SUPPLIES						
100-179-520400	MEMBERSHIPS & DUES	1,075.00	1,015.00	1,075.00	1,075.00	1,075.00
100-179-528820	STIPENDS	0.00	0.00	1,400.00	1,400.00	1,400.00
100-179-529100	TRAVEL	0.00	0.00	500.00	500.00	500.00
Total MajClassification: 510 - SERVICES AND SUPPLIES:		1,075.00	1,015.00	2,975.00	2,975.00	2,975.00
Total BudgetUnit: 179 - LOCAL AGENCY FORMATION:		1,075.00	1,015.00	2,975.00	2,975.00	2,975.00

RESOLUTION NO. 96-01

LOCAL AGENCY FORMATION COMMISSION
ALPINE COUNTY, CALIFORNIA

RESOLUTION OF THE LOCAL AGENCY FORMATION COMMISSION
OF THE COUNTY OF ALPINE
ADOPTING THE SPHERE OF INFLUENCE FOR THE
KIRKWOOD MEADOWS PUBLIC UTILITY DISTRICT

Amending LAFCO Resolution 85-02 and
Repealing LAFCO Resolution 83-01

WHEREAS, the formation of Kirkwood Meadows Public Utility District and detachment from El Dorado Irrigation District was approved by LAFCO Resolution 84-01; and

WHEREAS, prior to the formation of Kirkwood Meadows Public Utility District, a Sphere of Influence for the El Dorado Irrigation District was adopted by LAFCO Resolution 83-01; and

WHEREAS, the Sphere of Influence map for the El Dorado Irrigation District was referenced and made a part of the Sphere of Influence Report for the County of Alpine adopted by LAFCO Resolution 85-02; and

WHEREAS, the Sphere of Influence for Kirkwood Meadows Public Utility District now requires amendment to include additional territory, and to be determined to be the Sphere of Influence for Kirkwood Meadows Public Utility District; and

WHEREAS, Government Code section 56425 et seq. requires that a Sphere of Influence shall be developed and determined for each local governmental agency within the county; and

WHEREAS, the Local Agency Formation Commission of the County of Alpine has held a hearing on the matter and considered all evidence presented by all interested parties and determined that it would be in the best interest of the county and the affected district that the Sphere of Influence Report for the above referenced district be adopted;

NOW, THEREFORE, BE IT RESOLVED that the Sphere of Influence Report, including Sphere of Influence map, attached hereto as

Exhibit A, is adopted, as the Sphere of Influence for Kirkwood Meadows Public Utility District.

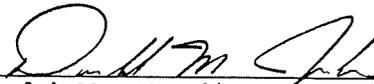
BE IT FURTHER RESOLVED that LAFCO Resolution 83-01 is hereby repealed, and LAFCO Resolution 85-02 is hereby amended.

PASSED AND ADOPTED by the Local Agency Formation Commission of the County of Alpine, State of California, this 5th day of November 1996, by the following vote:

AYES: Commissioners Chris Gansberg, Jr., Eric Jung, and Chairman Donald M. Jardine.

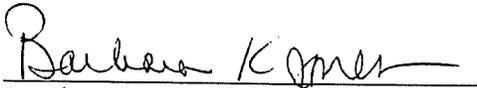
NOES: None. ABSENT: Commissioner Roger Test

Signed and approved after its passage this 5th day of November, 1996.

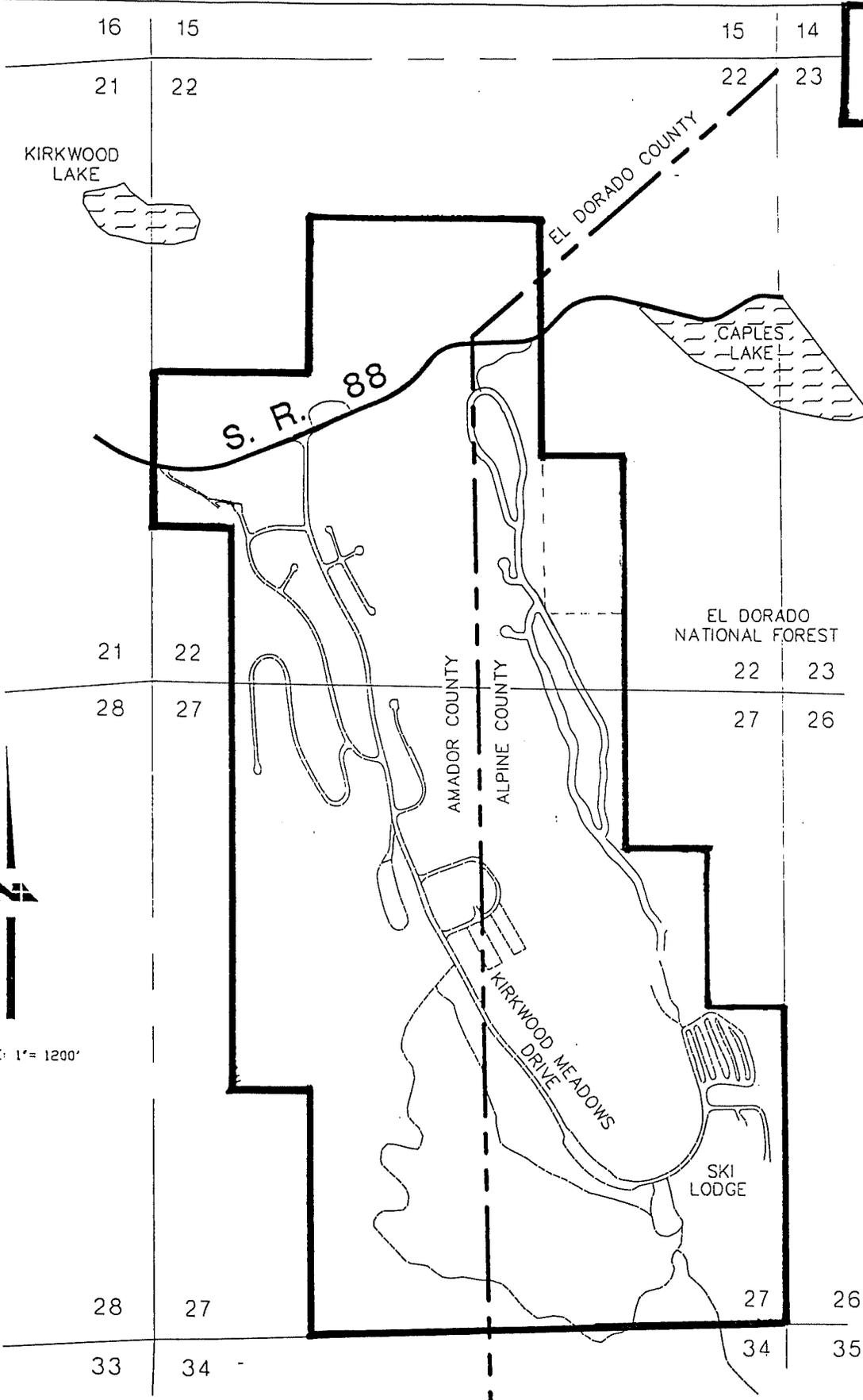


Donald M. Jardine, Chairman, Local Agency Formation Commission, County of Alpine, State of California

ATTEST:



Barbara K. Jones,
Executive Officer



SCALE: 1" = 1200'



DATE: 11/04/96 TIME: 11:25
 SCALE: 1" = 1200' T. H. 25
 SERVER: MTSI_SERVICE_ENG
 PATHN: \MT0320\CS\DRAWING
 DRAWING NAME: VICINTY.DWG
 PLOTTING VIEW: NONE
 DESIGNER: NIK PROJ MGR:

NOLTE and ASSOCIATES, Inc.
 Engineers / Planners / Surveyors
 302 Cherry Lane, Suite 201, Manteca, CA, 95337 (209) 239-9080

VICINITY MAP
 KIRKWOOD MEADOWS PUBLIC UTILITY DISTRICT
 JOB NUMBER MT0320-EM

EXHIBIT A
Resolution LAFCO 96-01
Adopted 11-05-1996

SPHERE OF INFLUENCE FOR
KIRKWOOD MEADOWS PUBLIC
UTILITY DISTRICT
(Including annexed territory)

LEGAL DESCRIPTION

All that real property situated in Alpine, Amador and El Dorado Counties, State of California, described as follows:

Beginning at the southeast corner of the West 1/2 of the Southwest 1/4 of the Southwest 1/4 of Section 22, Township 10 North, Range 17 East, M.D.B. & M.; thence from said point of beginning northerly along the east line of said West 1/2 of the Southwest 1/4 of the Southwest 1/4 to the northeast corner thereof; thence westerly along the north line of said West 1/2 of the Southwest 1/4 of the Southwest 1/4 to the southwest corner of the Northwest 1/4 of the Southwest 1/4 of said Section 22; thence northerly along the west line of said Northwest 1/4 of the Southwest 1/4 to the northwest corner thereof; thence easterly along the north line of said Northwest 1/4 of the Southwest 1/4 to the southwest corner of the Southeast 1/4 of the Northwest 1/4 of said Section 22; thence northerly along the west line of said Southeast 1/4 of the Northwest 1/4 to the northwest corner thereof; thence easterly along the south line of the North 1/2 of the North 1/2 of said Section 22 to the northwest corner of the East 1/2 of the Southwest 1/4 of the Northeast 1/4 of said Section 22; thence southerly along the east line of the West 1/2 of the West 1/2 of the East 1/2 of said Section 22 to the northwest corner of the Southeast 1/4 of the Southwest 1/4 of the Southeast 1/4 of said Section 22; thence easterly along the north line of said Southeast 1/4 of the Southwest 1/4 of the Southeast 1/4 to the northeast corner thereof; then southerly along the east line of said Southeast 1/4 of the Southwest 1/4 of the Southeast 1/4 to the northwest corner of the Northeast 1/4 of the Northeast 1/4 of Section 27, said Township and Range; thence southerly along the west line of said Northeast 1/4 of the Northeast 1/4 to the northwest corner of the West 1/2 of the Southeast 1/4 of the Northeast 1/4 of said Section 27; thence easterly along the north line of said West 1/2 of the Southeast 1/4 of the Northeast 1/4 to the northeast corner thereof; thence southerly along the east line of said West 1/2 of the Southeast 1/4 of the Northeast 1/4 to a point on the north line of the Southeast 1/4 of said Section 27; thence easterly along said north line of the Southeast 1/4 to the northeast corner thereof; thence easterly along the north line of the South 1/2 of Section 26, said Township and Range, to its intersection with the line common to Range 17 East and Range 18 East; said point being situated on the west line of Section 30, Township 10 North, Range 18 East; thence northerly along the west line of said Section 30 to the northwest corner thereof; thence easterly along the north line of said Section 30 to the northeast corner of the West 1/2 of the east 1/2 of said Section 30; thence southerly along the west line of the East 1/2 of the East 1/2 of Sections 30 and 31, said Township and Range, and Section 6, Township 9 North, Range 18 East, M.D.E. & M. to the southeast corner of the Northwest 1/4 of the

Northeast 1/4 of said Section 6; thence westerly along the south line of the North 1/2 of the North 1/2 of said Section 6 to the southwest corner thereof, said point being situated on the line common to Range 17 East and Range 18 East; thence northerly along the east line of Section 2, Township 9 North, Range 17 East, M.D.B. & M. to the southeast corner of the North 1/2 of said Section 2; thence westerly along the south line of said North 1/2 to the southwest corner thereof; thence northerly along the westerly line of said Section 2 to the northwest corner thereof; thence westerly along the south line of Section 34, Township 10 North, Range 17 East, M.D.B. & M. to the southwest corner thereof; thence northerly along the west line of said Section 34 to the southeast corner of the Northeast 1/4 of Section 33, said Township and Range; thence westerly along the south line of said Northeast 1/4 to the southwest corner thereof; thence northerly along the west line of said Northeast 1/4 and the west line of the East 1/2 of Section 28, said Township and Range, to a point on the north line of said Section 28; thence easterly along the north lines of Sections 28 and 27, said Township and Range, to the northeast corner of the West 1/2 of the Northwest 1/4 of the Northwest 1/4 of said Section 27 and the point of beginning.

LEGAL DESCRIPTION

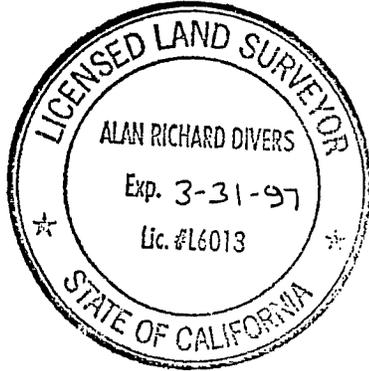
LAFCO ANNEXATION AREA TO KIRKWOOD MEADOWS PUBLIC UTILITY DISTRICT.

THAT CERTAIN REAL PROPERTY SITUATED IN SECTION 22, TOWNSHIP 10 NORTH, RANGE 17 EAST, MOUNT DIABLO BASE AND MERIDIAN, AND IN THE COUNTY OF ALPINE, STATE OF CALIFORNIA, ALSO KNOWN AS THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, AND THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 22; BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 22; THENCE ALONG THE SOUTHERLY LINE THEREOF NORTH 89°32'07" WEST, A DISTANCE OF 658.36 FEET MORE OR LESS TO THE SOUTHWEST CORNER OF SAID NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 22; THENCE ALONG THE WESTERLY LINE OF THE EASTERLY 1/2 OF THE WESTERLY 1/2 OF THE SOUTHEAST 1/4 OF SAID SECTION 22, NORTH 00°32'10" WEST, PASSING OVER THE NORTHWEST CORNER OF SAID NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 22, BEING ALSO THE SOUTHWEST CORNER OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 22, AT THE END OF 644.595 FEET MORE OR LESS, IN ALL A DISTANCE OF 1289.19 FEET MORE OR LESS TO THE NORTHWEST CORNER OF SAID SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SAID SECTION 22; THENCE ALONG THE NORTH LINE OF SAID SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 22, SOUTH 89°46'59" EAST, A DISTANCE OF 656.82 FEET MORE OR LESS TO THE NORTHEAST CORNER OF SAID SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 22; THENCE ALONG THE EASTERLY LINE OF THE WESTERLY 1/2 OF THE SOUTHEAST 1/4 OF SAID SECTION 22, SOUTH 00°36'09" EAST, PASSING OVER THE SOUTHEAST CORNER OF SAID SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 22, BEING ALSO THE NORTHEAST CORNER OF SAID NORTHEAST 1/4 OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 22 AT THE END OF 646.03 FEET MORE OR LESS, IN ALL A DISTANCE OF 1292.06 FEET MORE OR LESS TO THE AFOREMENTIONED POINT OF BEGINNING.

CONTAINING 19.481 ACRES OF LAND, MORE OR LESS.

SUBJECT TO ALL EASEMENTS, RESTRICTIONS, RESERVATIONS AND OTHER SUCH MATTERS OF RECORD. THE ABOVE DESCRIPTION IS BASED ON A FIELD SURVEY AND ALL BEARINGS ARE BASED ON NORTH LINE OF LOT 424 BEING NORTH 89°32'07" WEST AS PER EAST MEADOWS SUBDIVISION UNIT ONE, FILED IN BOOK 3 OF MAPS, AT PAGES 94 THROUGH 97, ALPINE COUNTY RECORDS.




ALAN R. DIVERS, LS6013
License Expires: 03-31-97
Signed November 4, 1996

RESOLUTION OF THE LOCAL AGENCY FORMATION COMMISSION,
OF THE COUNTY OF ALPINE, STATE OF CALIFORNIA, ADOPT-
ING THE SPHERE OF INFLUENCE REPORT FOR THE COUNTY OF
ALPINE.

No. 852

WHEREAS, the Local Agency Formation Commission of the County of Alpine, State of California had not previously adopted a Sphere of Influence for the County of Alpine, specifically the Markleeville Public Utility District, County Service Area #1, and the Bear Valley Water District, and

WHEREAS, Government Code Section 54774 requires that a "Sphere of Influence" shall be developed and determined for each local governmental agency within the county, and

WHEREAS the Local Agency Formation Commission of the County of Alpine has held a hearing on the matter and considered all evidence presented by all interested parties and determined that it would be in the best interest of the county and the affected districts that the Sphere of Influence Report for the above-referenced districts be adopted.

NOW, THEREFORE, BE IT RESOLVED that the Sphere of Influence Report, attached hereto as Exhibit "A", is adopted.

PASSED AND ADOPTED BY the Local Agency Formation Commission of the County of Alpine, State of California, this 6th day of Aug, 85, by the following polled vote:

AYES:

NOES:

ABSENT:

ATTEST:

Karen Keebaugh
Karen Keebaugh, Executive Officer

Wm. K. Freeman
Wm. K. Freeman, Chairman,
Local Agency Formation Commission,
County of Alpine, State of California.

APPROVED AS TO FORM:
Henry Murdock
Henry Murdock, County Counsel

Exhibit A - Resolution 85-2
adopted 8-16-85

Incorporates 83-01

adopted 3-16-83 re

Sphere El Dorado Irrigation District
(now KMPUD)

**ALPINE COUNTY
SPHERES OF INFLUENCE**

**ALPINE COUNTY
LOCAL AGENCY
FORMATION COMMISSION**

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INTRODUCTION

LAFCO and the Spheres of Influence Report

As provided for by the California Government Code, the Alpine County Local Agency Formation Commission (LAFCO) was created in order to encourage the "orderly formation and development of local governmental agencies based upon local conditions and circumstances". The primary mechanism to accomplish this purpose is through LAFCO's determination of the "sphere of influence" of each local governmental agency within the County. As defined by the State, the term "sphere of influence" means a plan for the probable ultimate physical boundaries and service area of a local governmental agency.

Among the factors considered in determining the sphere of influence of each local governmental agency are:

1. The present and planned land uses in the area, including agricultural and open space lands.
2. The present and probable need for public facilities and services in the area.
3. The present capacity of public facilities and adequacy of public services which the agency provides or is authorized to provide.
4. The existence of any social or economic communities of interest in the area if the commission determines that they are relevant to the agency.

Use of Spheres of Influence

The sphere of influence for each local governmental agency serves as a guide for future boundary decisions. All decisions involving the creation of, elimination of, or reorganization of service area boundaries need to be viewed in light of the potential jurisdictional limits established by LAFCO through the sphere of influence.

By its nature, the sphere of influence report has a definite relationship in basic concepts to the Alpine County General Plan. Both present a map of ultimate use characteristics, based upon projected population and anticipated service needs of that population. Further, both documents present actions intended to guide the future physical development of the County. Due to the recent update of the County's General Plan, this allows for consideration of current data and other information on County development patterns, within the scope of this report.

SUMMARY OF FINDINGS AND RECOMMENDATIONS

Findings

Prior to determining what the long term sphere of influence boundary of a service district should be, many factors were evaluated. Of primary consideration was the existing and projected population in the study area. Also given consideration was the current and projected land use patterns, and the types of service that can be provided in any given area. Analysis revealed that:

1. While Alpine County will maintain a rural character, new development will ultimately occur into previously open, undeveloped area.
2. Population projections estimate a growth rate of 3.9% per year for the next five years, and 3.5% per year from 1990 through the year 2000.
3. Greatest growth will occur in existing, established communities at Woodfords, Markleeville, Bear Valley, Kirkwood and Fredricksburg/Paynesville.
4. Within the County there are 4 services districts (Markleeville Public Utility District, Bear Valley Water District, El Dorado Irrigation District, and the Kirkwood Meadows Public Utility District), 1 County Service Area (Alpine County Service Area #1), 1 sewer system not including MPUD, BVWD or EID (Dutch Valley Colony System), and 11 water supply systems.

Of the 11 water supply systems, 6 are managed by private entities (Markleeville Mutual Water Company, Alpine Village Water Company, Sorenson's Mutual Subdivision Homeowner's Association System, Lake Alpine Water Company, Mt. Reba Inc., and the Old Bear Valley Homeowner's Association), 4 are managed by the U.S. Forest Service (at Shay Creek, Caples Lake, Woods Lake, and Lake Alpine), and 1 managed by the Washoe Tribe (at Dutch Valley).

Recommendations

The spheres of influence are proposed herein for special service districts in the County. These are based upon consideration given to the previously presented findings, population and land use development patterns, and service needs and opportunities. In summary, the recommendations of this report are as follows:

1. Special service districts should be established for communities in the County, each of which should adopt enabling statutes for the funding and provision of services beyond those provided by the County. This is consistent with General Plan objective III C-1.2.
2. Over the long term, a Community Services District should be formed at Bear Valley, since such an organization could best provide the level and types of services desired by local residents and property owners.
3. Pending the final decision regarding the Mt. Reba expansion, the sphere of influence for the Bear Valley Water district (BVWD) and County Service Area No. 1 (CSA#1) should be expanded to cover any area of Mt. Reba that should be included in their sphere. At the latest this should be evaluated at the next spheres update.
4. The Alpine LAFCO should contact and work with the Calaveras County LAFCO regarding the Sherman Acres area. In Calaveras County, at the Alpine County line on Highway 4, this area could reasonably be included within the sphere of influence for the BVWD and CSA#1, or over the long term within a Community Services District for Bear Valley.
5. All services districts should establish and maintain capital improvement plans for 3 to 5 year periods.
6. A detailed and thorough analysis of the financial conditions and capabilities of a district should be prepared whenever reorganization, annexation or detachment of territory is presented for LAFCO review.
7. County staff should prepare for LAFCO members a clear and concise guide to LAFCO procedures consistent with enabling statutes.
8. LAFCO Resolution No. 82-3, presenting standards for the evaluation of proposals for the formation or annexation of municipalities and special districts, should be periodically reviewed in order to keep up to date with State laws and County needs and concerns.

STUDY AREA*

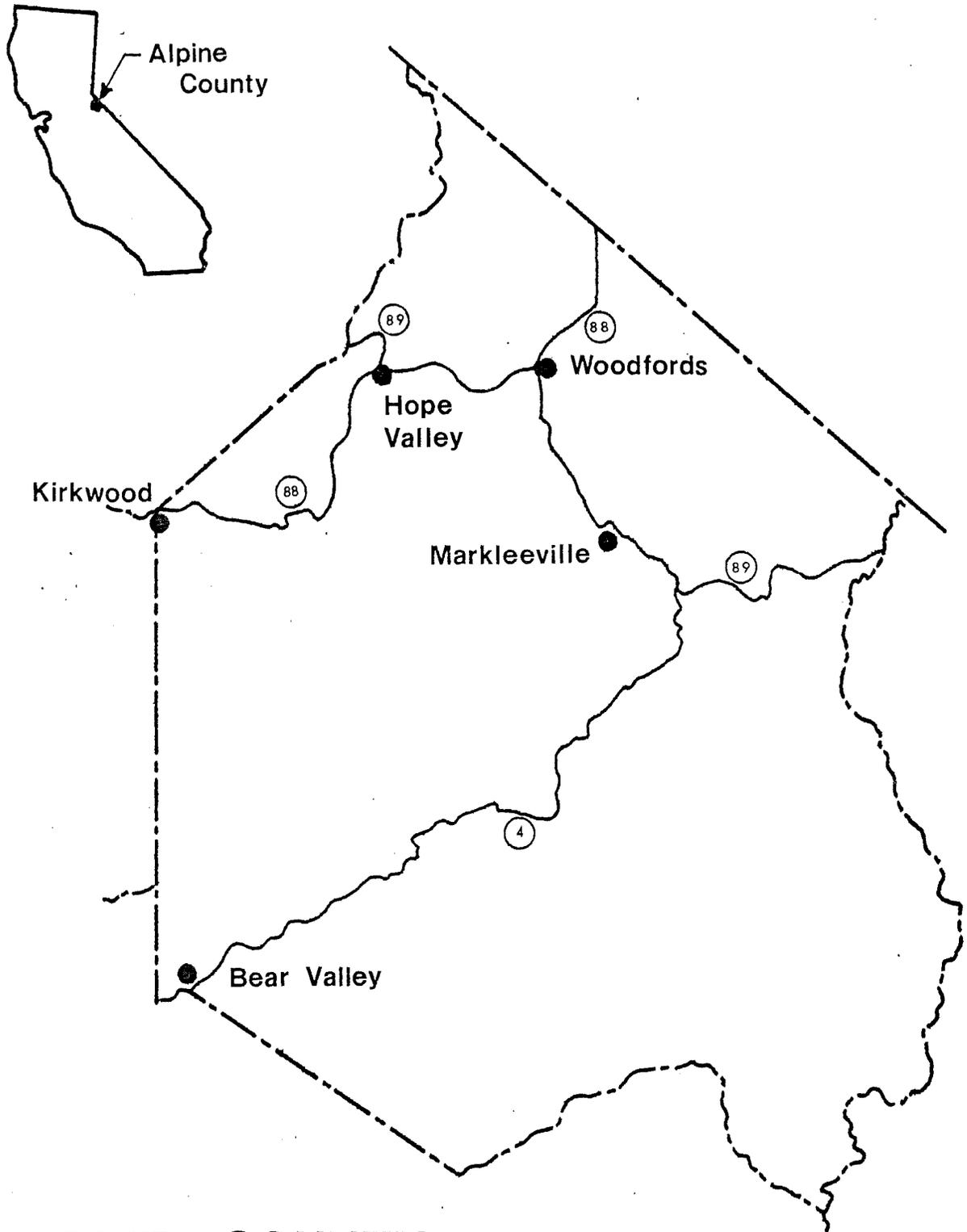
The County and its Environs

Alpine County comprises 723 square miles of land situated along the crest of the Sierra Nevada in east-central California. The county's topography is characterized by high rugged peaks and ridges, deep canyons, mountain meadows, and numerous streams and lakes. The County is located 15 miles south of Lake Tahoe and is bounded to the east by Douglas County, Nevada. It is crossed generally east to west by State Highways 4 and 88, and north to south by State Highway 89. More than ninety percent of Alpine County's land area is federally owned and administered by the U.S. Forest Service or Bureau of Land Management. The county's population increased significantly during the 1970's, however, it remains the state's smallest county with a permanent population of approximately 1200. Most of the population lives near or in the communities of Markleeville, Woodfords, Bear Valley, or Kirkwood.

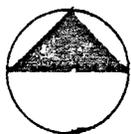
Alpine County is divided by the crest of the Sierra Nevada into east and west slope geographic regions. Markleeville, Woodfords and other east slope communities tend to identify culturally and economically with Gardnerville, Carson City and other urban centers located in the State of Nevada. Bear Valley and Kirkwood residents tend to utilize lower west slope communities in California for similar socioeconomic purposes. The Sierra crest becomes a most significant boundary between east and west Alpine County during winter months when State Highway 4 connecting Bear Valley with Markleeville is closed.

Recreation and tourism continue to stand as a mainstay of the local economy. The County's agriculture, timber, and mining resources have and will continue to provide valuable contributions. With energy and economic concerns prevalent throughout the country, new opportunities may exist in locally available energy resources such as geothermal heat, wind, and falling water.

*Adapted from the Alpine County General Plan, as adopted by the Alpine County Board of Supervisors, December, 1982.



ALPINE COUNTY



Population and Development Patterns

Characteristics of the county's 1980 population are as follows (based upon Summary Tape File 1, State Department of Finance, April, 1982). Approximately 54% of the population was male. Median age was 28.3 years. Approximately 25% of the population was less than 18 years of age, about 5% were older than 65, and approximately 69% were between 18 and 64. Fifty percent of the population above 15 years of age were married. The ethnic make-up of the 1980 population included 932 whites (85%) and 165 non-whites, (15%). The largest ethnic minority was American Indian, 145 or 13.2% of the total population.

Most of the 1980 population was distributed in the County among the following general regions:

1980 Population

Fredricksburg/Paynesville	147 (13.4%)
Woodfords	223 (20.0%)
Markleeville	157 (14.3%)
Kirkwood	105 (9.6%)
Bear Valley	363 (33.0%)

Because the 1980 Census was conducted during April, 1980, it is anticipated that a number of seasonal residents were included in the County total. Though the total may therefore be considered high when figuring permanent residents, it does little to reflect the actual influx of seasonal residents or visitors to the County. The 1980 Census reports a housing vacancy rate of approximately fifty percent. A very small portion of this vacancy rate is estimated to be available or affordable housing. The remainder includes seasonally occupied second homes or resort condominium units. The number of recreational visits to the County has been estimated to be over two million per year.

Projected population for Alpine County is drawn from Department of Finance Report 83-P-3, Population Projections for California Counties - 1980-2020. These projections are presented in the table on the following page. The figures indicate that Alpine County will sustain a moderate population growth through the projection period.

In 1982, the County adopted a revised general plan to guide future growth and development. The plan recognizes that population increases will create new demands upon services provided by the districts covered under this report, and other related services. The land use patterns delineated in the plan to address increased population are generally consistent with existing communities; however, the plan also recognizes the demand for creation of newly developed areas.

ALPINE AGE	1, 1980			1, 1985			1, 1990		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
ALL	1,097	590	507	1,385	732	653	1,653	865	788
0-4	57	24	33	57	30	27	58	31	27
5-9	68	31	37	77	34	43	74	39	35
10-14	92	53	39	88	41	47	103	47	56
15-19	117	62	55	138	76	62	114	54	60
20-24	152	89	63	158	83	75	180	97	83
25-29	96	52	44	208	118	90	200	105	95
30-34	115	68	47	120	64	56	261	144	117
35-39	88	44	44	139	80	59	141	74	67
40-44	70	35	35	101	49	52	155	86	69
45-49	52	26	26	80	40	40	110	53	57
50-54	51	28	23	52	26	26	80	40	40
55-59	37	19	18	51	28	23	52	26	26
60-64	44	27	17	37	19	18	43	24	19
65-69	23	11	12	32	18	14	25	13	12
70-74	15	11	4	16	7	9	24	14	10
75-79	12	7	5	14	10	4	12	5	7
80-84	6	3	3	11	7	4	10	7	3
85+	2	0	2	6	2	4	11	6	5
< 18	280	138	142	305	149	156	298	144	154
18-64	759	420	339	1,001	539	462	1,273	676	597
> 64	58	32	26	79	44	35	82	45	37
MEDIAN	28.43	28.25	28.50	29.26	29.33	29.19	32.26	32.39	32.07

ALPINE AGE	1, 1995			1, 2000			1, 2020		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
ALL	1,934	1,002	932	2,224	1,143	1,081	3,387	1,714	1,673
0-4	64	34	30	85	45	40	114	60	54
5-9	74	38	36	80	42	38	117	61	56
10-14	92	48	44	93	48	45	137	71	66
15-19	139	65	74	113	58	55	166	85	81
20-24	147	71	76	179	85	94	237	121	116
25-29	231	124	107	175	85	90	188	96	92
30-34	239	124	115	281	150	131	245	125	120
35-39	301	163	138	272	139	133	232	117	115
40-44	154	78	76	327	172	155	344	166	178
45-49	167	92	75	166	84	82	287	139	148
50-54	113	55	58	174	95	79	394	202	192
55-59	76	38	38	110	53	57	324	162	162
60-64	52	26	26	70	35	35	311	164	147
65-69	29	15	14	33	16	17	114	56	58
70-74	14	6	8	21	10	11	85	44	41
75-79	18	11	7	12	5	7	40	16	24
80-84	9	3	6	14	8	6	21	7	14
85+	15	11	4	19	13	6	31	22	9
< 18	318	160	158	326	170	156	462	240	222
18-64	1,531	796	735	1,799	921	878	2,634	1,329	1,305
> 64	85	46	39	99	52	47	291	145	146
MEDIAN	34.67	34.90	34.40	36.89	37.23	36.66	43.48	43.38	43.58

Description of Service Districts

Alpine County has no incorporated territory, and very few service districts which fall within the scope of this report. Listed and described below are the districts for which spheres of influence have been prepared:

1. Markleeville Public Utilities District

The Markleeville Public Utility District (PUD) presently serves the Markleeville townsite area, providing sewage disposal. The sewage system consists of a buried network of collection pipelines which deliver sewage to a pump station below the town. From the station, effluent is pumped uphill to aerated oxygen ponds. Disposal is by evaporation and percolation from these ponds. Current problems with the system have centered upon operation and maintenance concerns. Recent functional difficulties with the system may result in the need for 1) a re-design of the system to replace pumps with a gravity feed method or 2) repairing or replacing existing pumps. The second alternative is considered less expensive in the short term.

The Markleeville PUD is designed to serve about 200 dwelling units, or 400 people. The Marklee Village and Thornburg Subdivision developments presently utilize individual sewage disposal systems. It has been intended and encouraged that new development in the Markleeville area utilize the system. The PUD has an understanding that inclusion of units from the Marklee Village development will occur at a certain level of build-out. Connections could otherwise be required when or if individual systems begin to degrade water quality.

2. Alpine County Service Area #1

Serving the Bear Valley area of the County, Alpine County Service Area #1 provides snow removal, snow grooming, and maintenance of common areas. The CSA#1 board contracts with private firms in order to provide the above services. In responding to a survey in preparation of this report, it was indicated that no area expansion was promoted by the current board, but that service expansion, in terms of maintenance of County owned parking lots and administration of fire protection services, could be considered.

3. Bear Valley Water District

The Bear Valley Water District provides sewage treatment and disposal services to the Bear Valley Subdivision, Mount Reba, and some developments at Lake

Alpine. It is an independent water district managed by a locally elected board of directors. The system includes a secondary treatment plant and settling ponds. Disposal is by irrigation and evaporation. The system is presently designed to handle 500,000 gallons per day (gpd) of effluent. Flows will be limited however to 400,000 gpd to allow for peak demands. Sustaining flows range from 60,000 to 150,000 gpd. According to a 1978 Environmental Impact Report, major expansion of the facility would not be necessary unless development in Bear Valley occurs south of Highway 4. The revised Bear Valley Master Plan reduces plans for major development south of the highway.

The Mount Reba sewage collection system separates liquid and solid effluent. Liquid effluent is pumped through a pipeline to Bear Valley Water District facilities. Solids are collected in a 12,000 gallon septic tank at the lodge. The tank is pumped out each summer and solids are placed in the water district's treatment system.

By agreement the daily discharge from Mt. Reba is limited to 75,000 gallons. Due to the use of low-flow toilets this maximum should not be exceeded even with future expansions and the cost of pumping has been decreased. Common sewage disposal methods can consume considerable quantities of water and thereby contribute to the cost of providing water and sewage disposal services. Using common toilets Mt. Reba anticipated generating 7.5 gallons of waste water per skier per day. Using 1 1/2 gallon low-flow toilets waste water flow has been decreased to 1.9 gallons per skier per day. The Forest Service anticipates sewage collection and treatment at future ski developments within the Mount Reba complex will involve annexations and expansions of the Bear Valley Water District.

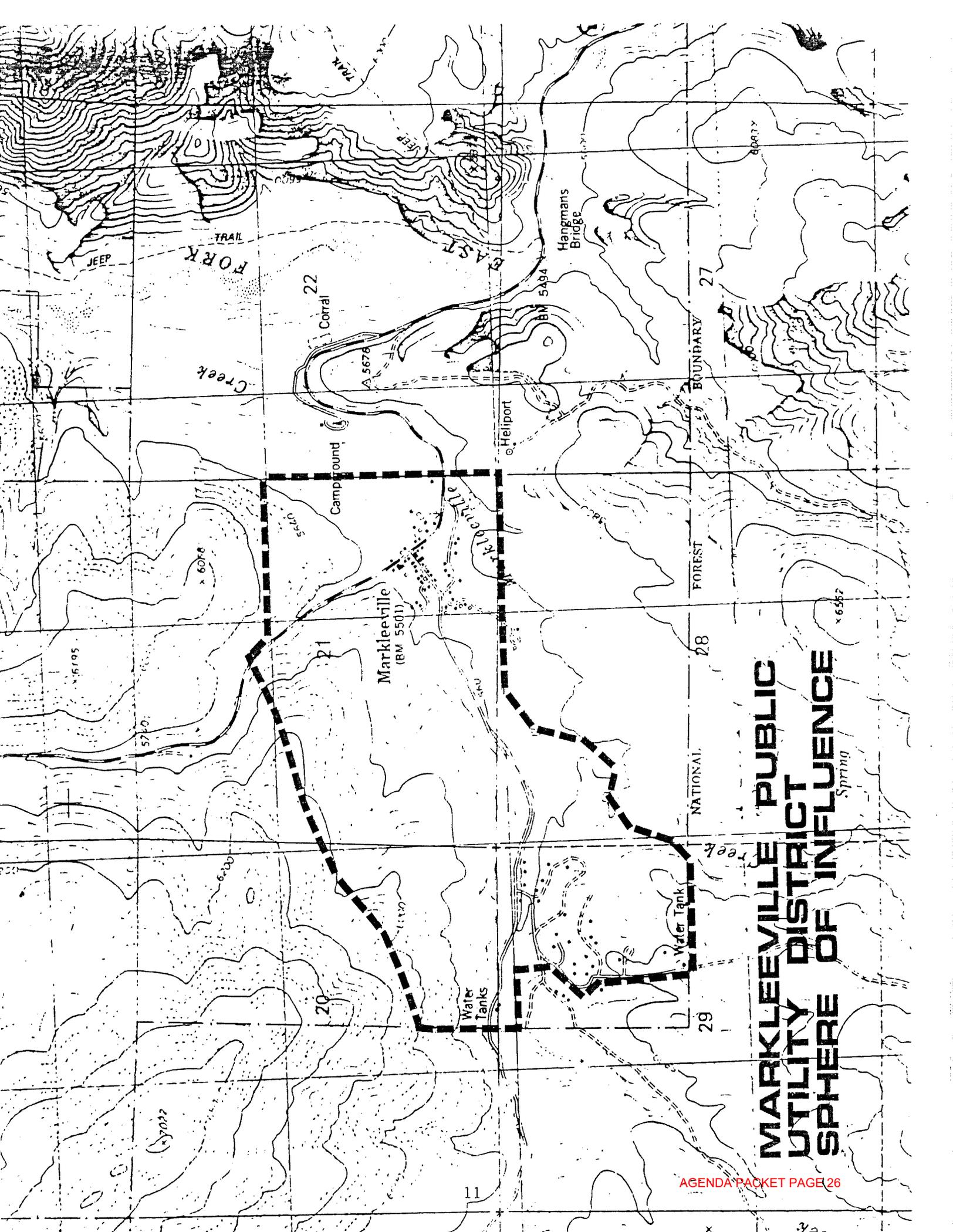
Effluent from the Lake Alpine Forest Service Campground and most of the summer homes is presently piped to the Bear Valley Water District facilities.

Through Resolution No. 83-01, the Alpine County LAFCO adopted the sphere of influence of the El Dorado Irrigation District. This action was taken to cover the required sphere of influence for the formation of the Kirkwood Meadows Public Utility District. The sphere map adopted under that resolution is included at the end of this report.

SPHERES OF INFLUENCE

As previously defined, the sphere of influence for a service district must represent the ultimate area for which the district can provide service. Need for service and ability of the district to provide it are two of the considerations which must be built into the design of the sphere boundary.

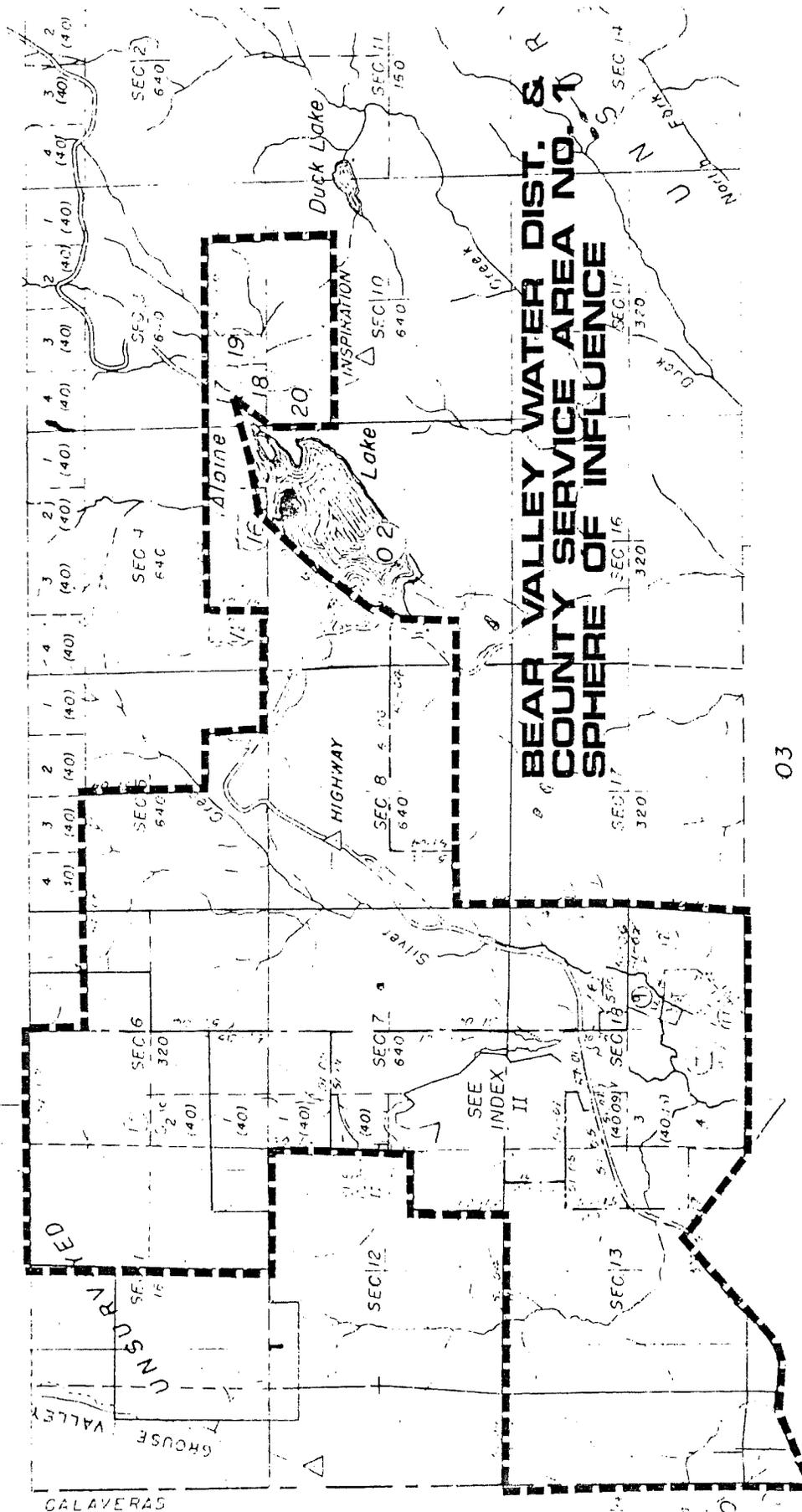
Following are the maps representing each service district reviewed in this report. On them is shown the proposed sphere of influence for the district.



MARKLEEVILLE PUBLIC UTILITY DISTRICT SPHERE OF INFLUENCE
Spring

R
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Z
E

BK. 4



**BEAR VALLEY WATER DIST. & R
COUNTY SERVICE AREA NO. 1
SPHERE OF INFLUENCE**

03

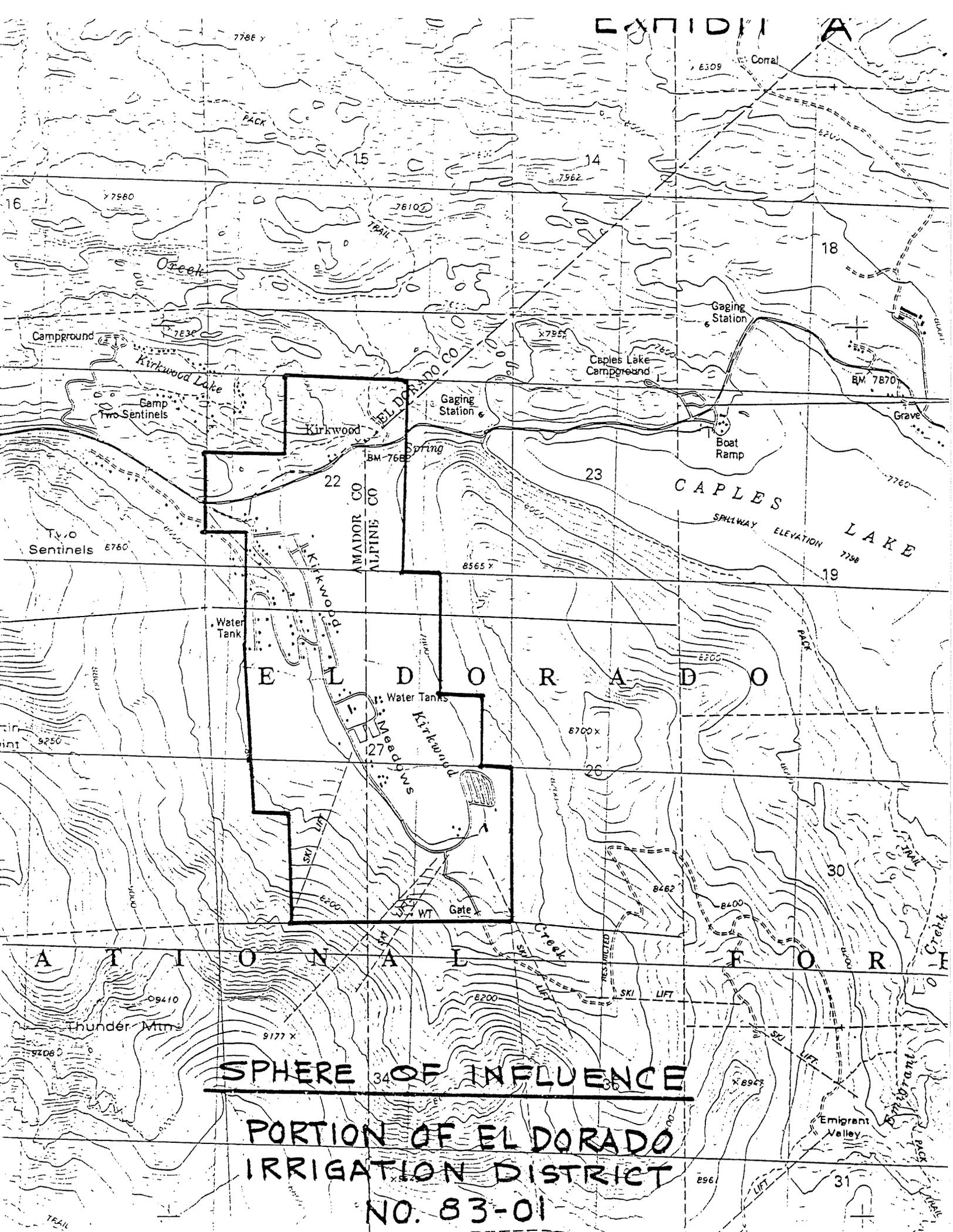
120° 00' 00"

120° 00' 00"

61

60

GALAVERRAS



SPHERE OF INFLUENCE

PORTION OF EL DORADO
IRRIGATION DISTRICT

NO. 83-01