

MINIMUM FILING FEE: \$100.00
 FILE ORIGINAL & ONE COPY
 TYPE OR PRINT IN BLACK INK
 (For explanation of entries required, see
 booklet "How to File an Application to
 Appropriate Water in California")

STATE OF CALIFORNIA
 State Water Resources Control Board
 DIVISION OF WATER RIGHTS
 901 P Street, Sacramento
 P. O. Box 2000, Sacramento, CA 95812-2000

APPLICATION TO APPROPRIATE WATER BY PERMIT

Application No. 5647-C
 (Leave blank)

1. APPLICANT

Amador Water Agency (Name of applicant) (209) 223 - 3018 (Telephone number where you may be reached between 8 a. m. and 5 p. m. - Include area code)
12800 Ridge Road, Sutter Creek, California, 95685-9630
 (Mailing address) (City or town) (State) (Zip code)

2. SOURCE

a. The name of the source at the point of diversion is See Attachment
 (If unnamed, state that it is an unnamed stream, spring, etc.)
 tributary to See Attachment
 b. In a normal year does the stream dry up at any point downstream from your project? YES NO If yes, during what months is it usually dry? From _____ to _____
 What alternate sources are available to your project should a portion of your requested direct diversion season be excluded because of a dry stream or nonavailability of water? None

3. POINTS of DIVERSION and REDIVERSION

a. The point(s) of diversion will be in the County of Amador

List all points giving coordinate distances from section corner or other tie as allowed by Board regulations i. e. California Coordinate System	Point is within (40-acre subdivision)	Section	Township	Range	Base and Meridian
<u>See Attachment</u>	<u>1/4 of</u>	<u>1/4</u>			
	<u>1/4 of</u>	<u>1/4</u>			
	<u>1/4 of</u>	<u>1/4</u>			

c. Does applicant own the land at the point of diversion? YES NO
 d. If applicant does not own the land at point of diversion, state name and address of owner and what steps have been taken to obtain right of access: Agreement with PG&E

FOR0053-R2

4. PURPOSE of USE, AMOUNT and SEASON *

a. In the table below, state the purpose(s) for which water is to be appropriated, the quantities of water for each purpose, and the dates between which diversions will be made. Use gallons per day if rate is less than 0.025 cubic foot per second (approximately 16,000 gallons per day).

PURPOSE OF USE (Irrigation, Domestic, etc.)	DIRECT DIVERSION				STORAGE		
	QUANTITY		SEASON OF DIVERSION		AMOUNT	COLLECTION SEASON	
	RATE (Cubic feet per second or gallons per day)	AMOUNT (Acre-feet per year)	Beginning Date (Mo. & Day)	Ending Date (Mo. & Day)	Acre-feet per annum	Beginning Date (Mo. & Day)	Ending Date (Mo. & Day)
<u>Municipal</u>	<u>(1) 5</u>	<u>1,050</u>	<u>1/1</u>	<u>12/31</u>	<u>1,400</u>	<u>10/1</u>	<u>7/15</u>
	<u>(2) 5</u>						
	<u>(3) 7</u>						
<u>(MAX DDE = 7 cfs)</u>							
		<u>1,050</u>			<u>1,400</u>		

b. Total combined amount taken by direct diversion and storage during any one year will be 2,450* acre-feet.

*See Attachment

*1/1/04
B. Smith
et*

5. JUSTIFICATION OF AMOUNT

a. IRRIGATION: Maximum area to be irrigated in any one year is _____ acres.

CROP	ACRES	METHOD OF IRRIGATION (Sprinklers, flooding, etc.)	ACRE-FEET PER YEAR	NORMAL SEASON	
				Beginning Date	Ending Date

b. DOMESTIC: Number of residences to be served is _____. Separately owned? YES NO
 Total number of people to be served is _____. Estimated daily use per person is _____ (Gallons per day)
 Total area of domestic lawns and gardens is _____ square feet.
 Incidental domestic uses are _____
 (Dust control area, number and kind of domestic animals, etc.)

c. STOCKWATERING: Kind of stock _____ Maximum number _____
 Describe type of operation: _____
 (Feed lot, dairy, range, etc.)

d. RECREATIONAL: Type of recreation: Fishing Swimming Boating Other

e. MUNICIPAL: (Estimated projected use)

POPULATION 5-Year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
PERIOD	POP.	Average daily use (gal. per capita)	Rate of diversion (cfs)	Average daily use (gal. per capita)	Acre-foot (per capita)	Total acre-feet
Present						
	See Attachment					

Month of maximum use during year is July. Month of minimum use during year is February.

f. HEAT CONTROL: The total area to be heat protected is _____ net acres.
 Type of crop protected is _____
 Rate at which water is applied to use is _____ gpm per acre.
 The heat protection season will begin about _____ (Date) and end about _____ (Date)

g. FROST PROTECTION: The total area to be frost protected is _____ net acres.
 Type of crop protected is _____
 Rate at which water is applied to use is _____ gpm per acre.
 The frost protection season will begin about _____ (Date) and end about _____ (Date)

h. INDUSTRIAL: Type of industry is _____
 Basis for determination of amount of water needed is _____

i. MINING: The name of the claim is _____ Patented Unpatented
 The nature of the mine is _____. Mineral to be mined is _____
 Type of milling or processing is _____
 After use, the water will be discharged into _____
 in _____ 1/4 of _____ 1/4 of Section _____, T _____, R _____, _____ B. & M.
 (40-acre subdivision) (Name of stream)

j. POWER: The total fall to be utilized is _____ feet. The maximum amount of water to be used through the penstock is _____ cubic feet per second. The maximum theoretical horsepower capable of being generated by the works is _____ Electrical capacity is _____ kilowatts at _____ % efficiency.
 (Cubic feet per second x fall + 8.8) (Hp x 0.746 x efficiency)
 After use, the water will be discharged into _____
 (Name of stream)
 in _____ 1/4 of _____ 1/4 of Section _____, T _____, R _____, _____ B. & M. FERC No. _____
 (40-acre subdivision)

k. FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: YES NO If yes, list specific species and habitat type that will be preserved or enhanced in item 17 of Environmental Information form WR 1-2.

l. OTHER: Describe use: _____ Basis for determination of amount of water needed is _____

6. PLACE OF USE

a. Does applicant own the land where the water will be used? YES NO Is land in joint ownership? YES NO
 (All joint owners should include their names as applicants and sign the application.)

If applicant does not own land where the water will be used, give name and address of owner and state what arrangements have been made with the owner. Applicant is a public entity that provides water on a wholesale and retail basis to customers within its service area.

b.

USE IS WITHIN (40-acre subdivision)	SECTION	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Number of acres	Presently cultivated (Y/N)
1/4 of 1/4	See Attachment					
1/4 of 1/4						
1/4 of 1/4						
1/4 of 1/4						
1/4 of 1/4						
1/4 of 1/4						

(If area is unsurveyed, state the location as if lines of the public land survey were projected, or contact the Division of Water Rights. If space does not permit listing all 40-acre tracts, include on another sheet or state sections, townships and ranges, and show detail on map.)

7. DIVERSION WORKS

a. Diversion will be by gravity by means of POD #1 - Lower Bear River Dam; POD #2 - Salt Spring Dam
 (Dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)

b. Diversion will be by pumping from POD #3 - Reservoir Pump discharge rate 10 Horsepower 2100
 (Sump, offset well, channel, reservoir, etc.) (cfs ~~20 gpm~~)

c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (Pipe or channel)	MATERIAL (Type of pipe or channel lining) (Indicate if pipe is buried or not)	CROSS SECTIONAL DIMENSION (Pipe diameter or ditch depth and top and bottom width)	LENGTH (Feet)	TOTAL LIFT OR FALL		CAPACITY (Estimate)
				Feet	+ or -	
See Attachment						

d. Storage reservoirs: (For underground storage, complete Supplement 1 to WR1, available upon request.)

Name or number of reservoir, if any	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (ft.)	Construction material	Dam length (ft.)	Freeboard Dam height above spillway crest (ft.)	Approximate surface area when full (acres)	Approximate capacity (acre-feet)	Maximum water depth (ft.)
Pt. #1 Lower Bear Reservoir	243	Rock	960	4	720	51,400	239

e. Outlet pipe: (For storage reservoirs having a capacity of 10 acre-feet or more.)

Diameter of outlet pipe (inches)	Length of outlet pipe (feet)	FALL (Vertical distance between entrance and exit of outlet pipe in feet)	HEAD (Vertical distance from spillway to outlet pipe in reservoir in feet)	Estimated storage below outlet pipe entrance (dead storage)
Pt. #1 60	10,900	75	223	0

f. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to offstream storage will be _____ cfs. Diversion to offstream storage will be made by: Pumping Gravity

8. COMPLETION SCHEDULE

a. Year work will start 2004 b. Year work will be completed 2024
 c. Year water will be used to the full extent intended 2040 d. If completed, year of first use _____

9. GENERAL

- a. Name of the post office most used by those living near the proposed point of diversion is Pioneer, CA
- b. Does any part of the place of use comprise a subdivision on file with the State Department of Real Estate? YES NO
 If yes, state name of the subdivision See Attachment
 If no, is subdivision of these lands contemplated? YES NO
 Is it planned to individually meter each service connection? YES NO If yes, When? _____
- c. List the names and addresses of diverters of water from the source of supply downstream from the proposed point of diversion: _____
See files of the SWRCB
- d. Is the source used for navigation, including use by pleasure boats, for a significant part of each year at the point of diversion, or does the source substantially contribute to a waterway which is used for navigation, including use by pleasure boats? YES NO If yes, explain: Lower Bear Reservoir is used for recreational boating.

10. EXISTING WATER RIGHT

Do you claim an existing right for the use of all or part of the water sought by this application? YES NO
 If yes, complete table below:

Nature of Right (riparian, appropriative, groundwater.)	Year of First Use	Purpose of use made in recent years Including amount, if known	Season of Use	Source	Location of Point of Diversion

11. AUTHORIZED AGENT (Optional)

With respect to all matters concerning this water right application those matters designated as follows:

See Attachment ()
 (Name of agent) (Telephone number of agent between 8 a. m. and 5 p. m.)

(Mailing address) (City or town) (State) (Zip code)

Is authorized to act on my behalf as my agent.

12. SIGNATURE OF APPLICANT

I (we) declare under penalty of perjury that the above is true and correct to the best of my (our) knowledge and belief.
 Dated October 7, 2004 at Sutter Creek, California

(If there is more than one owner of the project, please indicate their relationship.)

Ms. Mr. Jim Abercrombie
 Miss. Mrs. _____
 (Signature of applicant)
 Jim Abercrombie, General Manager

Ms. Mr. _____
 Miss. Mrs. _____
 (Signature of applicant)

Additional information needed for preparation of this application may be found in the Instruction Booklet entitled "HOW TO FILE AN APPLICATION TO APPROPRIATE WATER IN CALIFORNIA". If there is insufficient space for answers in this form, attach extra sheets. Please cross-reference all remarks to the numbered item of the application to which they may refer. Send original application and one copy to the STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER RIGHTS, P. O. Box 2000, Sacramento, CA 95812-2000, with \$100 minimum filing fee.

NOTE:
 If this application is approved for a permit, a minimum permit fee of \$100 will be required before the permit is issued. There is no additional fee for registration of small domestic.

**ATTACHMENT TO WATER RIGHT APPLICATION
BY
AMADOR WATER AGENCY**

Item 2a. Source

<u>POD</u>	<u>Source/Tributary</u>
#1	Bear River tributary to North Fork Mokelumne River thence Mokelumne River thence Sacramento River thence San Francisco Bay.
#2	North Fork Mokelumne River tributary to Mokelumne River thence Sacramento River thence San Francisco Bay.
#3	North Fork Mokelumne River tributary to Mokelumne River thence Sacramento River thence San Francisco Bay.

Item 3b. Points of Diversion and Rediversion

<u>Map Point</u>	<u>Description</u>
#1	<u>Point of Diversion (Lower Bear River Reservoir Dam)</u> : Located N.322,050 and E.2,499,300 California Coordinate System, Zone 2, being within the SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 18, T8N, R16E, MDB&M.
#2	<u>Point of Diversion (Salt Springs Reservoir Dam)</u> : Located N.307,800 and E.2,511,000 California Coordinate System, Zone 2, being within the NW $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 33, T8N, R16E, MDB&M.
#3	<u>Point of Diversion and Rediversion (Tiger Creek Afterbay Dam)</u> : Located N.285,700 and E.2,428,400 California Coordinate System, Zone 2, being within the SE $\frac{1}{4}$ of SE $\frac{1}{4}$ of Section 23, T7N, R13E, MDB&M.

Items 4a. and 4b. Purpose of Use, Amount and Season

The water to be appropriated shall be limited to the following:

1. By direct diversion from January 1 to December 31 of each year:
 - a. Up to 5 cfs at Points 1 and 2, with the combined rate at both points not to exceed 5 cfs.
 - b. Up to 7 cfs at Point 3, with the combined rate at Points 1, 2 and 3 not to exceed 7 cfs.
 - c. The total amount taken by direct diversion shall not exceed 1,050 acre-feet annually.
2. By storage: Up to 1,400 acre-feet to be collected from October 1 of each year to July 15 of the succeeding year from Bear River.
3. The total amount of water to be diverted from all sources, whether by direct diversion or diversions to storage, shall not exceed 2,450 acre-feet per water year from October 1 to September 30. The total amount of water to be taken from all sources for beneficial uses,

whether by direct diversion or redirection from storage shall not exceed 1,050 acre-feet per water year from October 1 to September 30.

4. In combination with diversions from all sources under Permit 17579 (Application 5647-B):
 - a. The rate of direct diversion at Point 3 shall not exceed 10 cfs.
 - b. The total amount of water to be diverted by direct diversion shall not exceed 2,200 acre-feet annually.
 - c. The total amount of water to be collected to storage from Bear River shall not exceed 3,000 acre-feet from October 1 to July 15.
 - d. The total amount of water to be diverted from all sources, whether by direct diversion or diversions to storage, shall not exceed 5,200 acre-feet per water year from October 1 to September 30. The total amount of water to be taken from all sources for beneficial uses, whether by direct diversion or redirection from storage, shall not exceed 2,200 acre-feet per water year from October 1 to September 30.

Item 5e. Justification of Amount

POPULATION 5-Year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Pop.	Average daily use (gal. per capita)	Rate of diversion (cfs)	Average daily use (gal. per capita)	Acre-foot (per capita)	Total acre- feet
Present	9,072	162	2.27	107	0.12	1,084
2005	9,250	162	2.32	107	0.12	1,106
2010	10,212	163	2.58	107	0.12	1,227
2015	11,275	164	2.86	108	0.12	1,362
2020	12,450	164	3.16	108	0.12	1,500
2025	13,745	164	3.49	108	0.12	1,656
2030	15,175	164	3.85	108	0.12	1,828
2035	16,755	164	4.25	108	0.12	2,018
2040	18,500	161	4.61	106	0.12	2,200

Item 6b. Place of Use

The Place of Use will be within the boundaries of the Central Amador Water Project, within the following townships and sections:

1. In Township 7 North, Range 13 East, Mount Diablo Base and Meridian:
 - a. All of sections 8, 9, 10, 11, 14, 15, 16, 17, 19, 20, 21, 22, 23, 27, 28, 29, 30, and 31.
 - b. That portion of sections 26, 32, 33, and 34 which are north of the North Fork Mokelumne River.
2. In Township 7 North, Range 12 East, Mount Diablo Base and Meridian, all of section 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, and 36.
3. In Township 6 North, Range 12 East, Mount Diablo Base and Meridian:
 - a. All of sections 2, 3, 4, 5, 6, 8, 9, 10, 11, and 15.
 - b. That portion of sections 1, 12, 13, and 14 which are west of the North Fork of the Mokelumne River.

Item 7c. Diversion Works

Conduits from Point of Diversion #1 to Buckhorn Treatment Plant:

CONDUIT	MATERIAL	CROSS SECTIONAL DIMENSION	LENGTH (miles)	TOTAL LIFT OR FALL		CAPACITY (cfs)
				Feet	+ or -	
Bear River Tunnel	Concrete	8.5' x 10.5'	2.5	66	-	800
Bear River Penstock	Concrete					
Salt Springs Powerhouse	N/A					
Tiger Creek Conduit (flume)	Concrete	14.3' x 7'	14.8	63	-	550
Tiger Creek Conduit (tunnel)	Concrete	10' x 11.3'	2.7	50	-	550
Tiger Creek Conduit (pipe)	Concrete	7.5'	0.25	0		550
Tiger Creek Regulator Reservoir						
Tiger Creek Conduit (flume)	Concrete	14.6' x 7'	2.5	15	-	625
Tiger Creek Forebay						
Proposed Pipeline	Steel	14" to 18"	3.3	120	-	5

Conduits from Point of Diversion #2 to Buckhorn Treatment Plant:

Through the outlet conduit of Salt Springs Dam into Salt Springs Powerhouse, thence through the Tiger Creek Conduit and succeeding conduits as indicated above.

Conduits from Point of Diversion #3 to Buckhorn Treatment Plant:

CONDUIT	MATERIAL	CROSS SECTIONAL DIMENSION	LENGTH (miles)	TOTAL LIFT OR FALL		CAPACITY (cfs)
				Feet	+ or -	
Existing and Proposed Pipeline	Steel	12" to 18"	1.8	1,270	+	10

Item 9b. General

The names of existing subdivisions are as follows:

- | | | |
|-------------------------|--------------------------|-----------------------|
| Mace Meadows Unit 1 | Buckhorn Heights | Pine Acres Unit 5 |
| Mace Meadows Unit 2 | Red Corral Estates | Pine Acres Unit 6 |
| Mace Meadows Unit 3 | Vanver Acres Unit 1 | Pine Acres Unit 7A |
| Mace Meadows Unit 4 | Vanver Acres Unit 2 | Pine Acres Unit 7B |
| Mace Meadows Unit 5 | Manns Haven Unit 1 | Pine Acres Unit 8 |
| Mace Meadows Unit 6 | Dianne Estates | Pine Acres Unit 9 |
| Mace Meadows Unit 7 | Mother Lode Acres | Matson Subdivision |
| Sierra Highlands Unit 1 | Mother Lode Estates | Sunset Heights |
| Sierra Highlands Unit 2 | Roden Tract | Peterson Subdivision |
| Sierra Highlands Unit 3 | Sierra Vista Subdivision | Pine Grove Ranchettes |
| Sierra Highlands Unit 4 | Oak Park Subdivision | Sugar Pine Ridge |
| Sky Ridge Estates | Pine Acres Unit 1 | Rabb Park |
| Buckhorn Ridge | Pine Acres Unit 2 | Ranch House Estates |
| Silver Lake Pines | Pine Acres Unit 3 | Warner Tract |
| Pioneer Woods | Pine Acres Unit 4 | Pioneer Glen |
| Riverview Tract | The Cedars | Mokelumne Bluffs |
| Fairway Pines Unit 1 | Cambria | Pinewood Drive |
| Ponderosa III | Karr | Cedar Ridgeview |
| Imperial | Toma | |

Item 11. Co-Authorized Agents

Bartkiewicz, Kronick & Shanahan
c/o Mr. Stephen Kronick (916) 446-4254
1011 - 22nd Street, Suite 100
Sacramento, CA 95816-4907

Wagner & Bonsignore, CCE
c/o Nicholas Bonsignore, P.E. (916) 441-6850
444 North Third Street, Suite 325
Sacramento, CA 95814-0228