

[For full information concerning the filling out of this form refer to
Article 4 of Rules and Regulations Pertaining to Appropriation of Water]

STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

Application No. 18087 Filed April 8, 1958 at 10:51 A.M.
(Applicant must not fill in the above blanks)

APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

I, Placer County Water Agency
Name of applicant or applicants
of Auburn County of Placer
Address
State of California, do hereby make application for a permit to appropriate the following described unappropriated waters of the State of California, *SUBJECT TO VESTED RIGHTS*:

Source, Amount, Use and Location of Diversion Works

1. The source of the proposed appropriation is See supplement
Placer and
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed
located in El Dorado County, tributary to See supplement

2. The amount of water which applicant desires to appropriate under this application is as follows:

(a) For diversion to be directly applied to beneficial use 800 cubic feet per
1 cubic foot per second equals 40 statute miner's inches or 646,517 gallons per day
second, to be diverted from November 1 to July 1 of each year.
Beginning date Closing date

(b) For diversion to be stored and later applied to beneficial use See supplement acre-feet
1 acre-foot equals 325,851 gallons
per annum, to be collected between November 1 and July 1 of each season.
Beginning date Closing date

NOTE.—Answer (a) or (b) or both (a) and (b) as may be necessary. If amount under (a) is less than .025 cubic foot per second, state in gallons per day. Neither the amount nor the season may be increased after application is filed. If underground storage is proposed a special supplemental form will be supplied by the State Water Rights Board upon request.

3. The use to which the water is to be applied is irrigation and incidental domestic, recreational,
Domestic, irrigation, power, municipal, mining, industrial, recreational
municipal and industrial purposes.

4. The point of diversion is to be located See supplement for points of diversion to storage and
State bearing and distance or coordinate distances from section or quarter section corner
points of redirection of stored water. Point of direct diversion to use is at Auburn
Pumping Plant 444,400'N 2,267,400'E California Grid Coordinates
being within the NW¹ of NW¹
State 40-acre subdivision of public land survey or projection thereof
of Section 23, T. 12N, R. 8E, M.D. B. & M., in the County of Placer

5. The main conduit terminates in SE¹ of NW¹ of Sec. 18, T. 12N, R. 8E, M.D. B. & M.
State 40-acre subdivision of U. S. Government survey or projection thereof

Description of Diversion Works

NOTE.—An application cannot be approved for an amount grossly in excess of the estimated capacity of the diversion works.

6. Intake or Headworks (fill only those blanks which apply)

(a) Diversion will be made by pumping from North Fork, American River
Sump, offset well, unobstructed channel, etc.

(b) Diversion will be by gravity, the diverting dam being See supplement feet in height (stream bed to level of overflow); _____ feet long on top; and constructed of _____
Concrete, earth, brush, etc.

(c) The storage dam will be See supplement feet in height (stream bed to spillway level); _____ feet long on top; have a freeboard of _____ feet, and be constructed of _____
Concrete, earth, etc.

7. Storage Reservoir See supplement
Name

The storage reservoir will flood lands in _____
Indicate section or sections, also 40-acre subdivisions unless shown upon map

It will have a surface area of _____ acres, and a capacity of _____ acre-feet. If reservoir has a capacity of 25 acre-feet or more fill in the following: Diameter of outlet pipe _____ inches; length _____ feet; difference in elevation from spillway level to highest point of outlet pipe _____ feet; fall in pipe _____ feet.

In case of insufficient space for answers in form, attach extra sheets at top of page 3 and cross reference.

8. Conduit System (describe main conduits only)

(a) Canal, ditch, flume: Width on top (at water line) See supplement feet; width at bottom _____

Cross out two not used

feet; depth of water _____ feet; length _____ feet; grade _____ feet per 1,000 feet; materials

of construction _____

Earth, rock, timber, etc.

(b) Pipe line: Diameter _____ inches; length _____ feet; grade _____ feet per

1,000 feet; total ^{fall} from intake to outlet _____ feet; kind _____

Riveted steel, concrete, wood-stave, etc.

NOTE.—If a combination of different sizes or kinds of conduit is to be used, attach extra sheets with complete description, also show location of each clearly on map.

9. The estimated capacity of the diversion conduit or pumping plant proposed is See supplement

State cubic feet per second or gallons per minute

The estimated cost of the diversion works proposed is \$ 107,376,000

Give only cost of intake, or headworks, pumps, storage reservoirs and main conduits described herein

Completion Schedule

10. Construction work will begin on or before July 1, 1965

Construction work will be completed on or before July 1, 1975

The water will be completely applied to the proposed use on or before July 1, 2007

Description of Proposed Use

11. Place of Use. Western Placer County - Valley and Foothill Units - State DWR

State 40-acre subdivisions of the public land survey. If area is unsurveyed indicate the location as if lines of the public land

Bul. 10 - Total Area 250,610 acres, Irrigable area 159,600 acres.

survey were projected. In the case of irrigation use state the number of acres to be irrigated in each 40-acre tract, if space permits. If space does not permit listing of all

40-acre tracts, describe area in a general way and show detail upon map.

Do(es) applicant(s) own the land whereon use of water will be made? No Jointly? _____

Yes or No

Yes or No

All joint owners should include their names as applicants and sign application at bottom of third page.

Applicant is a Public Agency and will make contracts for delivery of water under

If applicant does not own land whereon use of water will be made, give name and address of owner and state what arrangements have been made with him. PCWA Act.

12. Other Rights. Describe all rights except those on file with the State Water Rights Board under which water is served to the above named lands.

Nature of Right (riparian, appropriative, purchased water, etc.)	Year of First Use	Use made in recent years including amount if known	Season of Use	Source of Other Supply
1.				
2.				
3.				
4.				

Attach supplement at top of page 3 if necessary.

13. Irrigation Use. The area to be irrigated is See supplement acres.

State net acreage to be irrigated

The segregation of acreage as to crops is as follows: Rice _____ acres; alfalfa _____ acres;

orchard _____ acres; general crops _____ acres; pasture _____ acres.

NOTE.—Care should be taken that the various statements as to acreage are consistent with each other, with the statement in Paragraph 11, and with the map.

The irrigation season will begin about _____ and end about _____

Beginning date

Closing date

14. Power Use. The total fall to be utilized is _____ feet.

Difference between nozzle or draft tube water level and first free water surface above

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 _____ horsepower.

Second feet X fall ÷ 8.8

The use to which the power is to be applied is _____

For distribution and sale or private use, etc.

The nature of the works by means of which power is to be developed is _____

Turbine, Pelton wheel, etc.

The size of the nozzle to be used is _____ inches.

The water ^{will} be returned to _____ in _____ PCWA-028 of _____

^{will not}

Name stream

State 40-acre subdivision

Sec _____, T. _____, R. _____, B. & M. _____

15. Municipal Use. This application is made for the purpose of serving Roseville, Rocklin, Loomis
Name city or cities, town or towns. Urban areas only
Sunset City, New Castle, Auburn, Lincoln having a present population of 27,000
Penryn and Capital City

The estimated average daily consumption during the month of maximum use at the end of each five-year period until the full amount applied for is put to beneficial use is as follows: Acre-feet per day

1970 - 133	1985 - 240	2000 - 420
1975 - 167	1990 - 294	2005 - 487
1980 - 200	1995 - 354	2010 - 560
		2015 - 667

16. Mining Use. The name of the mining property to be served is none
Name of claim
and the nature of the mines is _____
Gold placer, quartz, etc.

The method of utilizing the water is _____

It is estimated that the ultimate water requirement for this project will be _____
Cubic feet per second, gallons per minute. State basis of estimate

The water will be polluted by chemicals or otherwise. _____
will not Explain nature of pollution, if any

and it will be returned to _____ in _____ of
will not Name stream State 40-acre subdivision

Sec. _____, T. _____, R. _____, B. & M.

17. Other Uses. The nature of the use proposed is recreational and industrial
Industrial, recreational, domestic, stockwatering, fish culture, etc.

State basis of determination of amount needed. Recreation on, and in the vicinity of the proposed
Number of persons, residences, area of domestic lawns and gardens, number and kind of stock, type
reservoirs is contemplated.

Industrial use, and unit requirements

Placer County and land developers in the county are initiating a campaign to attract
industrial development in western Placer County. Water will be required. Development
has not progressed to the extent that significant predictions can be made at this time.

General

18. Are the maps as required by the Rules and Regulations filed with Application? Yes If not,
Yes or No
state specifically the time required for filing same _____

19. Does the applicant own the land at the proposed point of diversion? No If not, give name and
Yes or No
address of owner and state what steps have been taken to secure right of access thereto Applicant will obtain use
permit to use National Forest land and will purchase or exercise power of eminent
domain to acquire privately owned land.

20. What is the name of the post office most used by those living near the proposed point of diversion?
Auburn, California

21. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion?
U. S. Bureau of Reclamation
City of Sacramento
Others not known

Supplement to Application 18087

Paragraph 1 - Sources of Appropriation

- (2) Middle Fork, American River
- (3) Rubicon River
- (4a) South Fork, Long Canyon
- (4b) North Fork, Long Canyon
- (5) Middle Fork, American River
- (7) North Fork American River

(4a) is tributary to (3)

(4b) is tributary to (4a)

(1) and (3) are tributary to (2) or (5)

(5) and/or (6) are tributary to the North Fork, American thence the American River.

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Paragraph 2 (a) and (b) - Amount of Water

<u>STREAM</u>	<u>STRUCTURE</u>	DIRECT DIVERSION Cubic feet per second	For Diversion to be stored and later applied to beneficial use-Acre-feet per annum	Name of Reservoir where water will be stored
2 M.F. American R.	French Meadows Dam and Reservoir		10,000	French Meadows
3. Rubicon River	Hell Hole Dam and Reservoir		36,000	Hell Hole
4a S.F. Long Canyon	South Long Canyon Diversion		13,000*	Hell Hole
4b N.F. Long Canyon	North Long Canyon Diversion		7,000*	Hell Hole
7 N.F. American River	Auburn Diversion	800		

* Maximum rate of diversion to storage 830 cubic feet per second North and South Forks.

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Paragraph 4 - Points of Diversion

L O C A T I O N

Ref. No.	Stream	Diversion	California Grid Coordinates, Zone II		Mount Diablo B & M Quarters			
			N	E	Section T-N R-E			
<u>Par. 4 - Points of Diversion</u>								
2	M.F. American River	French Meadows	530,100	2,434,250	NW.NE	36	15	13
3	Rubicon River	Hell Hole	510,750	2,452,000	SW.SE	16	14	14
4a	S.F. Long Canyon	Long Canyon	507,675	2,434,250	SW.NE	24	14	13
4b	N.F. Long Canyon	Long Canyon	506,970	2,431,250	NW.SW	24	14	13
5	M.F. American River	Ralston Interbay	498,137	2,397,300	NW.NE	35	14	12
6	M.F. American River	Ralston Afterbay	490,160	2,357,100	NW.NW	3	13	11
7	N.F. American River	Auburn	444,400	2,267,400	NE.SW	23	12	8
<u>Par. 4 - Points of Re-diversion</u>								
2	M.F. American R.	French Meadows	530,100	2,434,250	NW.NE	36	15	13
3	Rubicon River	Hell Hole	510,750	2,452,000	SW.SE	16	14	14
5	M.F. American River	Ralston Interbay	498,137	2,397,300	NW.NE	35	14	12
6	M.F. American River	Ralston Afterbay	490,160	2,357,100	NW.NW	3	13	11
7	N.F. American R.	Auburn	444,400	2,267,400	NE.SW	23	12	8

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Paragraph 6 - Intake or Headworks

Ref. No.	Stream	Name of Dam	Dimensions (feet)			Material
			Height	Length	Freeboard	
<u>Par. 6 (b) - Diversion Dams</u>						
4a	S.F. Long Canyon	Long Canyon Diversion	37	230	7.5	Concrete
4b	N.F. Long Canyon	Long Canyon Diversion	13	154	5	Concrete
5	M.F. American River	Ralston Interbay	75	212	10	Concrete
6	M.F. American River	Ralston Afterbay	90	500	5	Gravelfill
7	N.F. American River	Auburn Diversion	25	400	None	Concrete
<u>Par. - 6 (c) - Storage Dams</u>						
2	M.F. American River	French Meadows*	228	2700	5	Composite
3	Rubicon River	Hell Hole *	410	1570	20	Rockfill
* Also serves as Diverting Dam						

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Paragraph 7 - Storage Reservoirs

Ref. No	Stream	Reservoir	Flood Lands in	Surface Area Acres	Capacity Acre-feet
	M. F. American River	French Meadows	See Map	1418	133,700
	Rubicon River	Hell Hole	See Map	1245	208,400

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Paragraph 13 - Irrigation Use

Description and Crop	Areas in Acres		
	Valley	Foothill	Total
Total Area	109,470	141,140	250,610
Irrigable Area	94,000	65,600	159,600
Probable Ultimate Pattern of land use. -			
Pasture and Hay	42,000	32,600	74,600
Rice	28,000	- - -	28,000
Orchard and Vinyard	5,000	23,000	28,000
General Crops including Truck	5,000	10,000	15,000)
Corn	5,000	- - -	5,000)
Sorghums	9,000	- - -	9,000)

} 29,000

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Paragraph 8 (a) and 9 - Conduit System and Capacities

French Meadows Reservoir M. F. American River	French Meadows P.P. Rubicon River	2.78	Tunnel Horseshoe 12.5x12.5 Pressure (unlined)	0.0040	400
Hell Hole Reservoir Rubicon River	Long Canyon Diversion S.F. Long Canyon	3.29	Tunnel Horseshoe 13.25x13.25 Pressure (unlined)	0.0045	830
Long Canyon Diversion S.F. Long Canyon	Long Canyon Diversion N.F. Long Canyon	0.59	Tunnel Horseshoe 13.25x13.25 Pressure (unlined)	0.0045	830
Long Canyon Diversion N.F. Long Canyon	M.F. Powerplant M.F. American River	6.54	Tunnel Horseshoe 13.25x13.25 Pressure (unlined)	0.0045 & 0.0059	830
Ralston Interbay M.F. American River	Ralston Powerplant Rubicon River	5.14 1.56	Tunnel 13.25x13.25 Pressure Horseshoe 10.58x11.42 Pressure	0.0060 0.0060	830 830
Auburn Diversion N.F. American River	Auburn Ravine	3.14	Tunnel Horseshoe 8x8 Pressure (lined)	0.0006	400*
Ralston Afterbay M.F. American River	Oxbow (Regulator) M.F. American River	0.25	Tunnel Horseshoe 16.0x16.0 Pressure		1930

* First Increment of diversion works for Western Placer County