

[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. 18085 Filed April 7, 1958, at 4:57 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 1225 cubic feet per
1 cubic foot per second equals 40 statute miner's inches or 646,317 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 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.
State bearing and distance or coordinate distances from section or quarter section corner

being within the NW¹/₄ of NW¹/₄
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 SE¹/₄ of NW¹/₄ 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 _____ feet; depth of water _____ feet; length _____ feet; grade _____ feet per 1,000 feet; materials of construction _____
Cross out two not used

(b) Pipe line: Diameter _____ inches; length _____ feet; grade _____ feet per 1,000 feet; total ^{fall}/_{lift} 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 _____
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 Bul. 10

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

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? _____ 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 contract or delivery of water under PCWA act.

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.

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 × fall ÷ 5.5

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 _____
Turbines, Pelton wheel, etc.

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

The water ^{will}/_{will not} be returned to _____ in _____ of _____
Name stream State 40-acre subdivision

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

PCWA-027

DO NOT WRITE IN THIS SPACE
ATTACH EXTRA SHEETS HERE

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

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. Placer County and land developers in the county are
industrial use, and unit requirements
entering upon a campaign to bring industry into Western Placer County. Water is a
necessary ingredient. Industrial development has not progressed to the extent that
predictions can be made.

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. _____

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

Placer County Water Agency

[SIGNATURE OF APPLICANT] /s/ Dr. Ek Anderson - Chairman Board of Directors

Supplement to Application 18085

Paragraph 1 - Sources of Appropriation

- (1) Duncan Creek
 - (2) Middle Fork American River
 - (3) Rubicon River
 - (5) Middle Fork American River
 - (6) 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 River thence the American River.

Supplement to Application 18085

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
1 Duncan Creek	Duncan Creek Diversion		25,000 ¹	French Meadows
2 M.F. American R.	French Meadows Dam and Reservoir		95,000	French Meadows
3 Rubicon River	Hell Hole Dam and Reservoir		129,000 ²	Hell Hole
7 N.F. American R.	Auburn Division	1225		

1. Maximum rate of diversion to storage in French Meadows Reservoir-
400 cubic feet per second from Duncan Creek.

2. Includes 4,000 acre-feet of water formerly in Parsley Bar Reservoir which has been
eliminated from Project.

Supplement to Application 18085

Paragraph 4 - Points of Diversion

Ref. No.			LOCATION						
			California Grid Coordinates, Zone II		Mount Diablo B & M				
			N	E	Quarters	Sec	T-N	R-E	
<u>Par. 4 - Points of Diversion</u>									
1	Duncan Creek	Duncan Creek	538,130	2,431,040	NW	SW	24	15	13
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 R.	Ralston Interbay	498,137	2,397,300	NW	NE	35	14	12
6	M.F. American R.	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
<u>Par. 4 - Points of Rediversion</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 R.	Ralston Interbay	498,137	2,397,300	NW	NE	35	14	12
6	M.F. American R.	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

Supplement to Application 18085

Paragraph 6 - Intake or Headworks

Ref. No.	Stream	Name of Dam	Dimensions (feet)			Material
			Height	Length	Freeboard	
<u>Par - 6(b) - Diversion Dams</u>						
1.	Duncan Creek	Duncan Cr. Diversion	32	188	10	Concrete
5.	M.F. American R.	Ralston Interbay	75	212	10	Concrete
6.	M. F. American R.	Ralston Afterbay	90	500	5	Gravel Fill
7.	N. F. American R.	Auburn Diversion	25	400	None	Concrete
<u>Par - 6(c) - Storage Dams</u>						
2.	M. F. American R.	French Meadows*	228	2700	5	Composite
3.	Rubicon River	Hell Hole	410	1570	20	Rockfill

* Also serves as Diverting Dam

Supplement to Application 18085

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

Supplement to Application 18085

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

FROM	TO	Distance Miles	Section	Size (feet)	Type	Slope (Invert Gradient)	Capacity c.f.s.
Duncan Creek Diversion	French Meadows Res. M.F. American River	1.49	Tunnel Horseshoe (unlined)	9 X 10	Flowline	0.0018	400
French Meadows Res. M.F. American River	French Meadows P.P. Rubicon River	2.78	Tunnel Horseshoe (unlined)	12.5X12.5	Pressure	0.0040	400
Hell Hole Rubicon River	Long Canyon Diversion S.F. Long Canyon	3.29	Tunnel Horseshoe (unlined)	13.25X 13.25	Pressure	0.0045	830
Ralston Interbay M. F. American River	Ralston Powerplant Rubicon River	5.14 1.56	Tunnel Horseshoe	13.25X 13.25 10.58X 11.42	Pressure Pressure	0.0060 0.0060	830 830
Ralston Afterbay M.F. American River	Oxbow Regulator M.F. American R.	0.25	Tunnel Horseshoe	16.0 X 16.0	Pressure		1930
Auburn Diversion N.F. American River	Auburn Ravine	3.14	Tunnel Horseshoe	8 X 8	Pressure	0.0006	400*

* First Increment of diversion works for Western Placer County

Supplement to Application 18085

Paragraph 13 - Irrigation Use

Description and Crop	Areas in Acres		Total
	Valley	Foothill	
Total Area	109,470	141,140	250,610
Irrigable Area	94,000	65,600	159,600
Probable Ultimate Pattern of land use -			
Pasture & Hay	42,000	32,600	74,600
Rice	28,000	--	28,000
Orchard & Vineyard	5,000	23,000	28,000
General Crops incl. Truck	5,000	10,000	15,000)
Sorghums	9,000	--	9,000)
Corn	5,000	--	5,000)
			29,000