MINIMUM FILING FEE: $10.00
FILE TWO COPIES
TYPE OR PRINT IN INK

State Water Resources Control Board
DIVISION OF WATER RIGHTS
2125–19th Street, Sacramento, CA 95818
Telephone: (916) 445–0846

APPLICATION to APPROPRIATE UNAPPROPRIATED WATER

(For explanation of entries required, see booklet "How to File an Application to Appropriate Unappropriated Water in California")

Application No. 25517 Filed Sept. 30, 1977 at 9:59 AM.

(Do NOT fill in the above blanks)

1. APPLICANT

I, Department of Water Resources
(Name of Applicant)

(Telephone Number where you may be reached between 8 a.m. and 5 p.m.–include area code)

P. O. Box 388 (Address) | Sacramento (City or Town) | California (State) | 95802 (Zip Code)

do hereby make application for a permit to appropriate the following described UNAPPROPRIATED waters of the State of California, SUBJECT TO VESTED RIGHTS

2. SOURCE

a. The name of the source at the point of diversion is Willow Creek trib. to Sacramento River; Funks Creek trib. to Sacramento River; Stone Corral Creek trib. to Sacramento River; Sacramento River
(If unnamed, state nature of source and that it IS unnamed)

tributary to _____

b. In a normal year does the stream dry up at any point downstream from your project? YES ☐ NO ☐. If Yes, in what months does it usually dry up? _____

3. POINT of DIVERSION and REDIVERSION

a.

List all points giving coordinate distances from section corner or other tie as allowed by Board regulations	Point is within (40-acre Subdivision)	Section	Township	Range	Base and Meridian
See Supplement	¼ of ¼				
	¼ of ¼				
	¼ of ¼				

b. The point of diversion will be in the County of Tehama, Glenn & Colusa

c. Does applicant own the land at the point of diversion? YES ☐ NO ☐.

d. If applicant does not own land at point of diversion, state name and address of owner and state what steps have been taken to obtain right of access: _____

4. PURPOSE of USE, AMOUNT and SEASON

a. State the purpose(s) for which water is to be appropriated, the amounts of water for each purpose and dates between which diversions will be made in the table below.

PURPOSE OF USE	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	COLLECTION SEASON	
	Cubic feet per second or gallons per day	Acre-feet annually	Beginning Date	Ending Date	Acre-feet annually	Beginning Date	Ending Date
Irrigation			Jan. 1	Dec. 31		Jan. 1	Dec. 31
Domestic			"	"		"	"
Municipal			"	"		"	"
Industrial			"	"		"	"
Recreation			"	"		"	
Incidental Power			"	"		"	
Water Quality Control and Fish & Wildlife Enhancement						"	
	4,200	3,164,000 (TOTAL)			3,164,000 (TOTAL)		

b. Total combined direct diversion and storage during any one year will be 3,164,000 acre-feet.

c. If water will be stored and the reservoir is not at the diversion point, the maximum rate of diversion to offstream Diversion to offstream storage will be made by pumping ☐; gravity ☐.

(Submit "Environmental Information" SWRCB Form 1–2 if project is NOT exempt from CEQA, See Appendix D of the "How to File an Application to Appropriate Unappropriated Water in California".)

5. JUSTIFICATION OF AMOUNT

a. IRRIGATION: Maximum acreage to be irrigated in any one year will be _____ acres.

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

b. DOMESTIC: The number of residences to be served _____. Separately owned: YES ☐ NO ☐

The total number of people to be served _____. Estimated daily use per person _____. (gallons per day)

The total area of domestic lawns and gardens _____. (square feet)

Miscellaneous domestic uses _____. (Dust control area. Number and kind of domestic animals, etc.)

c. STOCKWATERING: Kind of stock _____. Maximum Number _____. Describe type of operation (feedlot, dairy, range, etc.)

_____

d. RECREATIONAL: Type of recreation _____.

Private _____. Open to public without charge _____. Open to public admission charged _____.

(Submit "Supplement to Application", form SWRCB 1-1, for justification of amount for uses not listed above.)

6. DIVERSION WORKS (See Attachments (3))

a. Diversion will be by pumping from _____ (sump, offset well, channel, reservoir, etc.). Pump discharge _____. Horsepower _____.

b. Diversion will be by gravity by means of _____ (pipe in unobstructed channel, pipe through dam, siphon, gate, etc.)

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

CONDUIT (Pipe or channel)	MATERIAL (Kind of Pipe or channel lining)	CROSS SECTIONAL DIMENSION (Pipe diameter or ditch depth and top and bottom width)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (estimated)
				(feet)	(+ or -)	

d. The following applies to storage reservoirs: (For reservoirs having a capacity of 25 acre-feet or more, complete supplemental form SWRCB 1-1).

Name or number of reservoir, if any	DAM				RESERVOIR		
	Height of dam from streambed to spillway level (ft.)	Material of construction	Dam Length (ft.)	Freeboard Dam height above spillway crest (ft.)	Approximate surface area when full (acres)	Approximate capacity (acre-feet)	Max. water depth
Colusa	520	earth fill				3,160,000	

e. Estimated total cost of the diversion works proposed is _____ (Give only cost of intake, or headworks, pumps, storage reservoirs, and main conduits.)

7. PLACE OF USE

a. Applicant owns the land where the water will be used: YES ☐ NO ☐. Land is 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.

_____

_____

b.

USE IS WITHIN (40-acre Subdivision)		SECTION	TOWNSHIP	RANGE	BASE AND MERIDIAN	IF IRRIGATION	
						State Number of Acres	Presently cultivated (Yes or No)
¼ of	¼	Water will be used in the service area of the State					
¼ of	¼	Water Resources Development System. (State Water					
¼ of	¼	Project maps delineating place of use are on file					
¼ of	¼	at the Board having been submitted with Application					
¼ of	¼	No's. 5630, 14443, 14445A, 17512, and 17514A, and					
¼ of	¼	will indicate place of use as of date of this filing.)					

If area is unsurveyed, state the location as if lines of the public land survey were projected. 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. For public districts or other extremely large areas see Page 16 of instruction booklet "How to File an Application to Appropriate Unappropriated Water in California".

8. COMPLETION SCHEDULE

a. Proposed date of project commencement: _____. b. Estimated date of Project completion: _____

c. Estimated date of complete application of water to proposed use: _____. d. If complete, date of completion: _____

(ATTACH SUPPLEMENTAL SHEETS HERE)

9. GENERAL

a. What is the name of the post office most used by those living near the proposed point of diversion? _____

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 subdivision _____ 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. Have you consulted the California Department of Fish and Game concerning this proposed project? YES ☐ NO ☐. If Yes, state the Department's opinion concerning the potential effects of your proposed project on fish and other wildlife and state measures required for mitigation _____

If No, state the effects on fish and other wildlife you foresee as potentially arising from your proposed project. _____

d. Please name other public agencies, if any, from which you have obtained or are required to obtain approvals regarding this project: _____

e. Is reclaimed water available or do you expect such to be available in the near future which could be used in lieu of the water sought under this application? YES ☐ NO ☐ If Yes, explain: _____

f. Is it practical to reduce the amount applied for by reusing or reclaiming a portion of the water appropriated? YES ☐ NO ☐

g. What are the names and addresses of diverters of water from the source of supply downstream from the proposed point of diversion? _____

10. EXISTING WATER RIGHT

Check the appropriate box below:

A. ☐ Applicant does not claim an existing right for the use of water sought by this application.

B. ☐ Applicant claims an existing right for use of water sought by this application but agrees NOT to exercise said right so long as a permit or license for such use remains in effect.

C. ☐ The water sought by this application is for additional water over that claimed under an existing right.

Complete Table below if B or C is checked:

Nature of Rights (riparian, appropriative, purchased water, etc.)	Year of First Use	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: _____

Name _____ Address _____

_____ Zip Code: _____ (Telephone No. of agent between 8 a.m. and 5 p.m.)

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 July 22 1977, at Sacramento, California

Ms. Mr.
Miss, Mrs. Charles R. Shoemaker
(Signature of applicant) (Refer to Section 671 of the Board's regulations)

for Director of Water Resources

If applicants are members of the same family (i.e., husband, wife, mother, father, son, brother, sister, etc.) or reside at the same address, please indicate their relationship:

Ms. Mr.
Miss, Mrs. _____
(Signature of applicant) (Refer to Section 671 of the Board's regulations)

Additional information needed for preparation of this application may be found in the leaflet entitled "HOW TO FILE AN APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER IN CALIFORNIA". If there is insufficient space for answers in this form, attach extra sheets. Please cross reference all remarks to the numbered paragraph to which they may refer. Send application in duplicate to the STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER RIGHTS, 2125-19th Street, Sacramento, CA 95818, with $10 minimum filing fee.

ORNIA

APPLICATION NO. _____

State Water Resources Control Board
DIVISION OF WATER RIGHTS

ENVIRONMENTAL INFORMATION

(Submit this form if application is for 1200 gallons or more per day by direct diversion or 15 acre-feet or more per year by direct diversion and/or by storage)

1. ENVIRONMENTAL IMPACT REPORT

(a) Has an Environmental Impact Report (EIR) been prepared to cover the project described in this application? YES ☐ NO ☒
If Yes, give name of agency that prepared the Report: _____

(b) If the answer to (a) above is No, do you presently intend to prepare an EIR? YES ☐ NO ☒ If Yes, when do you expect to submit it? Remarks* _____

2. WATER QUALITY

(a) During low flow conditions, what is the greatest percentage of the total streamflow which will be diverted in conjunction with your proposed project _____%. In what month of the year will this take place? _____

(b) Will all of the water diverted be consumed? YES ☐ NO ☐ If No, the wastewater or surplus will be (1) retained in a reservoir ☐, (2) discharged into a stream or lake ☐, (3) discharged into settling ponds ☐, (4) discharged to land disposal ☐, (5) other ☐, (describe): _____

If (4) is checked, describe location of disposal by 40-acre subdivision of public land survey or a projection thereof: _____

(c) What percent of water diverted will be returned to the stream? _____

(d) Will the project as a whole involve a substantial change in land use? YES ☐ NO ☐
Describe the change and the land use you propose to initiate: _____

(1) Will you be plowing under or grading away the natural sod and exposing bare ground to the elements? YES ☐ NO ☐. If Yes, Number of acres involved: _____. Average slope: _____% Soil Classification: _____. Erodibility: _____.
(2) Describe methods you intend to utilize in order to minimize erosion and prevent the entry of silt into surface waters:

(e) Will the wastewater or runoff contain waste material? YES ☐ NO ☐. If Yes, check box(es) below:
(1) Domestic ☐ (2) Municipal ☐ (3) Industrial ☐ (4) Agricultural ☐ (5) Other ☐ Describe:

(f) Will wastewater or runoff contain any industrial material such as heavy metals or oils which are deleterious to fish and wildlife or which would impair the water for beneficial uses? YES ☐ NO ☐. If Yes, describe: _____

(g) Describe method of sewage disposal, if any: Septic tank: _____ Community sewer: _____ Released untreated: _____
Other (describe): _____

(h) Will pesticides, herbicides, fungicides, and/or fertilizers be used in conjunction with the overall project? YES ☐ NO ☐
If Yes, describe either by chemical composition or brand name: _____

(i) Describe methods of wastewater treatment which will be utilized in minimizing the entry of waste materials into surface and groundwaters.

2. WASTEWATER RECLAMATION

Describe what steps have been or will be taken to reclaim or reuse the water sought to be appropriated?

_____

_____

4. GENERAL

(a) What other significant environmental effects, adverse or beneficial, do you foresee as possibly arising from your proposed project as a whole, and what methods are you prepared to utilize in dealing with the adverse effects? _____

_____

_____

_____

_____

(b) Attach captioned photographs if available of the project area and site showing the project elements, point of diversion and place of use.

*Remarks: The filing of a water rights application under provisions of Sec. 10500 of the Water Code is not a "project" as defined in the State EIR Guidelines. At such time as the application is assigned or released from priority, a full environmental assessment will be made.

(I (we) declare under penalty of perjury that the above is true and correct to the best of my (our) knowledge and belief.

Dated _____ 19____, at _____, California.

If applicants are members of the same family (i.e., husband, wife, mother, father, son, brother, sister, etc.) or reside at the same address, please indicate their relationship:

Ms. Mr.
Miss, Mrs. _____

Director of Water Resources

Ms. Mr.
Miss, Mrs. _____

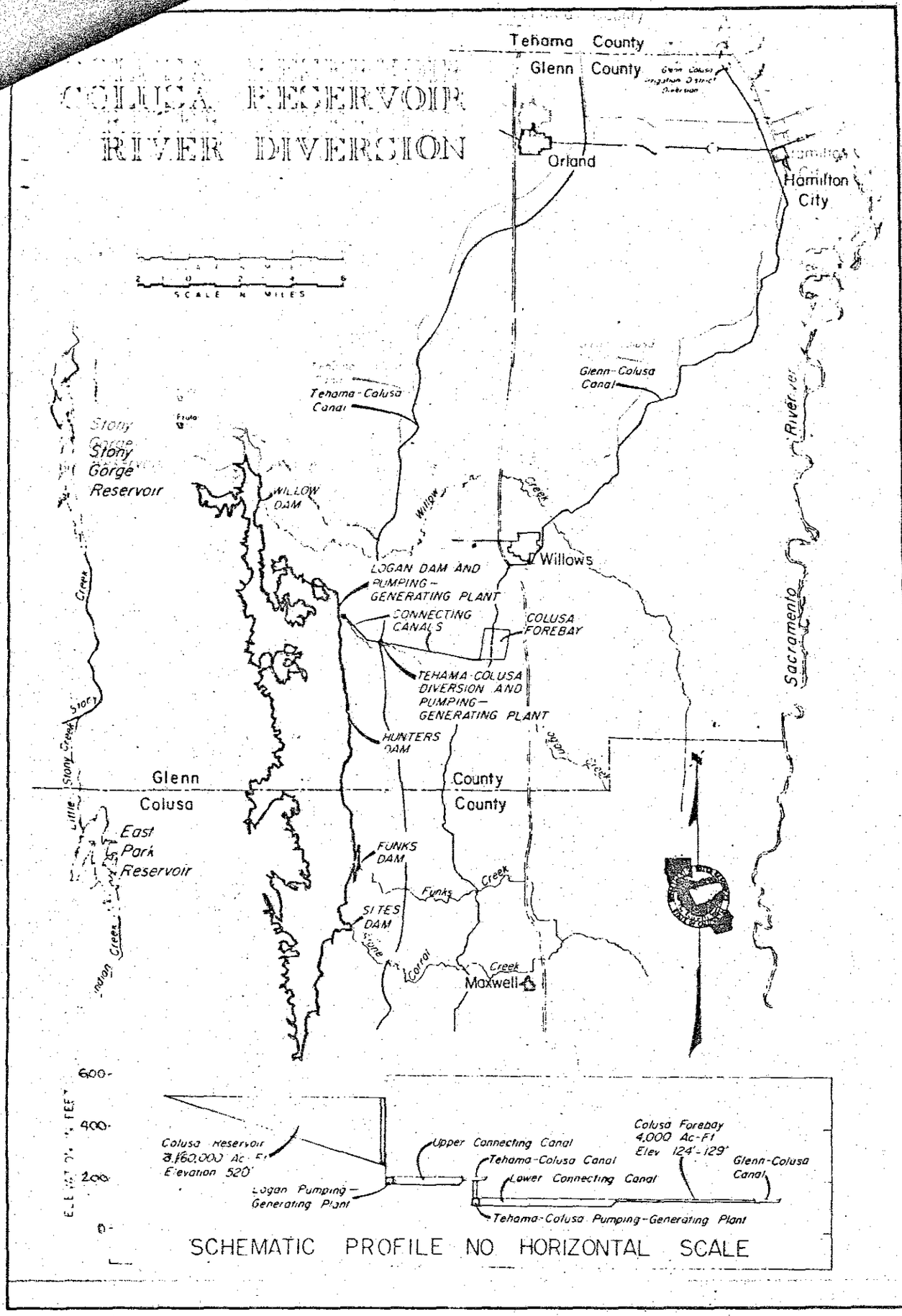
Point of Diversion Supplement
Colusa Reservoir

Willow Creek (Willow Dam)	Trib. to Sacramento River	NW¼SE¼ Sec35 T20NR5W MDB&M
Funks Creek (Funks Dam)	Trib. to Sacramento River	SW¼NW¼ Sec9 T17NR4W MDB&M
Stone Corral Creek (Sites Dam)	Trib. to Sacramento River	SW¼SE¼ Sec20 T17NR4W MDB&M
Sacramento River (Tehama Colusa Canal)		SE¼NE¼ Sec33 T27NR3W MDB&M
Sacramento River (Glenn Colusa Canal)		NE¼SE¼ Sec2 T22NR2W MDB&M

40 acre Subdivisions added by Mary Peyton 9/29/77 MWZ

MB 1

Attachment #1



COLUSA RESERVOIR-RIVER DIVERSION PLAN
DAM AND RESERVOIR DATA SUMMARY

	Colusa Reservoir
Drainage area, square miles	148
Mean annual flows, acre-feet Runoff at damsite (1916-66)	Operation studies for this plan used flows from the Sacramento River only. The natural inflow to this reservoir is negligible.
Elevations, feet	
Dam crest	535
Maximum pool	520
Top of flood reservation	--
Top of conservation pool	520
Minimum pool	320
Streambed 1/	375, 279, 265, 240, 240
Dam height, feet 1/	160, 256, 270, 295, 295
Dam construction time, years	6
Capacities, acre-feet	
Flood reservation	0
Conservation storage	3,100,000
Inactive, dead, sediment 2/	60,000
Gross	3,160,000
Area, acres	
Reservoir @ gross storage	30,000
Total land required	40,000
Reservoir shoreline, miles	210
Live streams inundated, miles	0
Population displaced, 1970	60
1990	100
Average fish runs at damsite	
Salmon, fish per year	0
Steelhead, fish per year	0
Recreation use, days per year	
Initial use	650,000
Maximum use	2,200,000
Years to reach maximum use	100
Deer displaced	Negligible impact

1/ Willow, Logan, Hunters, Funks, and Sites Dams.

2/ Total of all impoundments.

Attachment #3

COLUSA RESERVOIR-RIVER DIVERSION PLAN
CONVEYANCE FACILITY DATA

Tehama-Colusa Canal (Under construction)	
Type	Concrete-lined
Length, Red Bluff to project diversion, miles	56
Capacity at project diversion, cfs	2,100
Maximum water surface elevation at project diversion, feet	210
Glenn-Colusa Irrigation District Canal (Existing)	
Type	Unlined
Length, Sacramento River to project forebay, miles	23
Capacity at forebay (with planned improvements), cfs	2,100
Maximum water surface elevation at forebay	129
Colusa Forebay	
Active storage capacity, acre-feet	4,600
Operating water surface elevation, feet	124 to 129
Maximum area, acres	840
Lower Connecting Canal (Forebay to Tehama-Colusa Canal)	
Type	Unlined, level bottom
Length, miles	3.8
Capacity, cfs	6,300
Upper Connecting Canal (Tehama-Colusa Canal to Logan Dam)	
Type	Unlined, level bottom
Length, miles	1.9
Capacity, cfs	8,400
Tehama-Colusa Pumping-Generating Plant	
Maximum static head, feet	86
Minimum static head, feet	81
Maximum pumping rate, cfs	6,300
Maximum generating flow, cfs	2,100
Pumping capacity, megawatts	56
Installed generating capacity, megawatts	39
Dependable generating capacity, megawatts	0
Logan Pumping-Generating Plant	
Maximum static head, feet	310
Minimum static head, feet	110
Maximum pumping rate, cfs	8,400
Maximum generating flow, cfs	2,600
Pumping capacity, megawatts	265
Installed generating capacity, megawatts	195
Dependable generating capacity, megawatts	0