

F103771



California Environmental Protection Agency

TYPE OR PRINT
IN BLACK INK
(For instructions see
booklet: "How to File an
Application to Appropriate
Water in California")

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000, Sacramento, CA 95812-2000
Tel: (916) 341-5300 Fax: (916) 341-5400
www.waterrights.ca.gov

STATE WATER RESOURCES CONTROL BOARD
2009 MAY 18 AM 11:20
DIV OF WATER RIGHTS

APPLICATION NO. _____
(leave blank)

APPLICATION TO APPROPRIATE WATER

SECTION A: NOTICE INFORMATION

1. APPLICANT/AGENT

APPLICANT		ASSIGNED AGENT (if any)
Name	BH Farming	
Mailing Address	P. O. Box 38	
City, State & Zip	Tehama, CA 96090	
Telephone	530-527-1077	
Fax	530-529-4143	
E-mail	croffice@crainranch.com	

2. OWNERSHIP INFORMATION (Please check type of ownership.)

- Sole Owner
- Limited Partnership*
- Corporation
- Limited Liability Company (LLC)
- Business Trust
- Joint Venture
- General Partnership*
- Husband/Wife Co-Ownership
- Other _____

*Please provide a copy of your partnership agreement.

3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.)

Provide off stream storage and reservoir to supply water for irrigation of walnuts, almonds, and frost protection. This project will consist of building a dam and pumped diversion. This project will allow for reduced power consumption in the early irrigation season and help extend groundwater availability. The proposed project will store about 1,722 acre feet of water behind a 35 foot high reservoir. Please refer to the attached environmental document for more detail.

For continuation, see Attachment No. 1

4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)
Irrigation	1 to 60 cfs	2,000	Nov. 1	April 30	2,000	Nov. 1	April 30
Livestock							
Frost Protection							

See Attachment No. 1

* If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

- b. Total combined amount taken by direct diversion and storage during any one year will be 2,700 acre-feet.
- c. Reservoir storage is: onstream offstream underground (If underground storage, attach Form APP-UGSTOR.)
- d. County in which diversion is located: Tehama County in which water will be used: Tehama
- e. Assessor's Parcel Number(s): 085-090-23-1; 02-1, 03-1

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

- a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):
 - POD / PORD # 1: Un-named Creek tributary to Burch Creek thence _____
 - POD / PORD # 2: Burch Creek tributary to Sacramento River thence _____
 - POD / PORD # _____ tributary to _____ thence _____
 - POD / PORD # _____ tributary to _____ thence _____

See Attachment No. 1

\$31100
850
R
5/18/2009

Per letter dated 7/2/09 KMS

b. State Planar and Public Land Survey Coordinate Description:

POD/PORD #	CALIFORNIA COORDINATES	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN-SHIP	RANGE	BASE AND MERIDIAN
1	N: 1,840,631.5 E: 6,469,009.0	1	SE 1/4 of NE 1/4	5	23N	4W	MD
2	N: 1,839,122.5 E: 6,468,948.0	1	SW 1/4 of NE 1/4	5	23N	4W	MD
			NE 1/4 of SE 1/4				
			1/4 of 1/4				

See Attachment No. 1

c. Name of the post office most often used by those living near the proposed point(s) of diversion:

Corning

6. WATER AVAILABILITY

a. Have you attached a water availability analysis for this project? YES NO

If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation:

Local watershed yield prediction for the area is ~ the average precipitation expressed as a percent multiplied by the average precipitation in inches to give the watershed yield in inches. The un-named watershed should produce approximately 200 acre feet per year and the ~ 30 square miles upstream of the diversion point should produce an additional 6,000 acre-feet or more of

See Attachment No. ___ additional yield.

b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board during your proposed season of diversion? YES NO

c. In an average year, does the stream dry up at any point downstream of your project? YES NO If YES, during which months? Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.)

Existing groundwater wells

See Attachment No. ___

7. PLACE OF USE

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
1/4 of 1/4	5	23 N	4 W	MD	~200	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4	8	23 N	4 W	MD	~ 40	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4	7 & 7(P)	23 N	4 W	MD	~ 80	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4	4	23 N	4 W	MD	~100	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4	6 (P)	23 N	4 W	MD	~ 200	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
1/4 of 1/4	32(P)	24 N	4 W	MD	~ 400	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
1/4 of 1/4	33 & 33(P)	24 N	4 W	MD	~300	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4	34 (P)	24 N	4 W	MD	~100	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Total:					~1420 +/-	

*Please indicate if section is projected with a "(P)" following the section number.

See Attachment No. ___

8. PROJECT SCHEDULE

a. Project is:

proposed. Year construction will begin: 2009

partially complete. Extent of completion: Proposed Project will be used to irrigate and supplement existing riparian and groundwater supply. New orchard planting will then be done with full utilization at

complete. Year completed: orchard maturity.

b. Year of first use: _____ Year water will be used to the full extent intended: _____

SECTION B: MISCELLANEOUS DIVERSION INFORMATION

1. JUSTIFICATION OF AMOUNTS REQUESTED

a. IRRIGATION: Maximum area to be irrigated in any one year: 1420 +/- acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-feet/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)
Current Walnuts	420	Micro Sprinklers/Drip	977	4/15	10/15
Current Almonds	105	Micro Sprinklers/Drip	355	2/20	10/15
Future Plantings	550	Micro Sprinklers/Drip	1368	4/15	10/15

See Attachment No. _____

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

c. STOCKWATERING: Kind of stock: Cow/calf Maximum number: 300
 Describe type of operation: Cow/calf pairs on grassland
(feedlot, dairy, range, etc.)

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

e. MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Present						

See Attachment No. _____

Month of maximum use during year: _____ Month of minimum use during year: _____

f. HEAT CONTROL: Area to be heat controlled: _____ net acres
 Type of crops protected: _____
 Rate at which water is applied to use: _____ gpm per acre
 Heat protection season will begin _____ and end _____
(month & day) (month & day)

g. FROST PROTECTION: Area to be frost protected: 542 net acres
 Type of crops protected: Almonds and walnuts
 Rate at which water is applied to use: 36 gpm per acre
 The frost protection season will begin 2/15 and end 4/15
(month & day) (month & day)

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

i. MINING: Name of the claim: _____ Patented Unpatented
 Nature of the mine: _____ Mineral(s) to be mined: _____
 Type of milling or processing: _____
 After use, the water will be discharged into _____ (watercourse)
 in _____ ¼ of _____ ¼ of Section _____, T _____, R _____, B. & M. _____

j. POWER: Total head to be utilized: _____ feet
 Maximum flow through the penstock: _____ cfs
 Maximum theoretical horsepower capable of being generated by the works (cfs x fall ÷ 8.8): _____
 Electrical capacity (hp x 0.746 x efficiency): _____ kilowatts at: _____ % efficiency
 After use, the water will be discharged into _____ (watercourse)
 in _____ ¼ of _____ ¼ of Section _____, T _____, R _____, B. & M. FERC No.: _____

k. FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and habitat type that will be preserved or enhanced in Item 7a of Section C.

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

2. DIVERSION AND DISTRIBUTION METHOD

- a. Diversion will be by gravity by means of: dam
(dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: sump
(sump, offset wall channel, reservoir, etc.)
- Pump discharge rate: 1 - 60 cfs or gpd Horsepower: 300 Pump Efficiency: 70%

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-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	
Pipe	Buried plastic	2 - 20 inch dia.	900	50	+/-	60 cfs

See Attachment No. _____

d. Storage reservoirs: (For underground storage, complete and attach form APP-UGSTOR)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)
# 6	~35	earth fill	~1750	5 feet	128	1722	30

See Attachment No. 1

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter (inches)	Length (feet)	Fall: vertical distance between entrance and exit of outlet pipe (feet)	Head: vertical distance from spillway to entrance of outlet pipe (feet)	Dead Storage: storage below entrance of outlet pipe (acre-feet)
#6	20	2,000	10	30	~10

See Attachment No. _____

- f. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be 60 cfs. Diversion to offstream storage will be made by: Pumping Gravity

3. CONSERVATION AND MONITORING

- a. What methods will you use to conserve water? Explain. Irrigation will be scheduled using pressure bomb leaf tension device, applied water will be metered from all sources, reservoir will be monitored for abrupt changes, diversion will be metered to document diversion volumes.

- b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water? Weir Meter Periodic sampling Other (describe) _____

4. RIGHT OF ACCESS

- a. Does the applicant own all the land where the water will be diverted, transported and used? YES NO
 If NO, I do do not have a recorded easement or written authorization allowing me access.
- b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access: _____

See Attachment No. _____

5. EXISTING WATER RIGHTS AND RELATED FILINGS

- a. Do you claim an existing right for the use of all or part of the water sought by this application? YES NO
 If YES, please specify: Riparian Pre-1914 Registration Permit License
 Percolating groundwater Adjudicated Other (specify) _____
- b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of

water diversion and use, if applicable. _____

- c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion? _____
 See Attachment No. _____

6. OTHER SOURCES OF WATER

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project? Yes No If yes, please explain: _____

7. MAP REQUIREMENTS

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section and quarter/quarter section of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cfs by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1000 acre-feet per annum by underground storage. See the instruction booklet for more information. See Figure 2 of the Initial Study and Draft Mitigated Negative Declaration

See Attachment No. _____

SECTION C: ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Resources Control Board (SWRCB) must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the SWRCB is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

1. COUNTY PERMITS

- a. Contact your county planning or public works department and provide the following information:

Person contacted: Gary Antene Date of contact: 2/24/2008
 Department: Tehama County Public Works Telephone: (530) 385-1462
 County Zoning Designation: _____
 Are any county permits required for your project? YES NO If YES, check appropriate box below:
 Grading permit Use permit Watercourse Obstruction permit Change of zoning
 General plan change Other (explain): _____

- b. Have you obtained any of the required permits described above? YES NO
 If YES, provide a complete copy of each permit obtained.
 See Attachment No. _____

2. STATE/FEDERAL PERMITS AND REQUIREMENTS

- a. Check any additional state or federal permits required for your project:
 Federal Energy Regulatory Commission U.S. Forest Service U.S. Bureau of Land Management
 U.S. Corps of Engineers U.S. Natural Res. Conservation Service Calif. Dept. of Fish and Game
 State Lands Commission Calif. Dept. of Water Resources (Div. of Safety of Dams)
 Calif. Coastal Commission State Reclamation Board Other (specify) _____

- b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.
No agencies have been contacted at this time, contacts will be made by the lead agency. See attachment				

See Attachment No. _____

- c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake? YES NO
If YES, explain: _____

This project would have less than significant impact to a creek see page 31 of the initial study. _____

See Attachment No. _____

- d. Have you contacted the California Department of Fish and Game concerning your project? YES NO
If YES, name and telephone number of contact: _____

3. ENVIRONMENTAL DOCUMENTS

- a. Has any California public agency prepared an environmental document for your project? YES NO
c. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency: _____

- d. If NO, check the appropriate box and explain below, if necessary:

The applicant is a California public agency and will be preparing the environmental document.*

I expect that the SWRCB will be preparing the environmental document.**

I expect that a California public agency other than the State Water Resources Control Board will be preparing the environmental document.* Public agency: _____

See Attachment No. _____

* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the SWRCB, Division of Water Rights. Processing of your application cannot proceed until these documents are submitted.

** Note: CEQA requires that the SWRCB, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the SWRCB, Division of Water Rights.

4. WASTE/WASTEWATER

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation? YES NO

If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):

See Attachment No. _____

- b. Will a waste discharge permit be required for your project? YES NO

Person contacted: _____ Date of contact: _____

- c. What method of treatment and disposal will be used? _____

See Attachment No. _____

5. ARCHEOLOGY

- a. Have any archeological reports been prepared on this project? YES NO

- b. Will you be preparing an archeological report to satisfy another public agency? YES NO

- c. Do you know of any archeological or historic sites located within the general project area? YES NO

If YES, explain: _____

See Appendix C of the attached Report

6. ENVIRONMENTAL SETTING

Attach three complete sets of color photographs, clearly dated and labeled, showing the vegetation that exists at the following three locations:

Along the stream channel immediately downstream from the proposed point(s) of diversion.

Along the stream channel immediately upstream from the proposed point(s) of diversion.

At the place(s) where the water is to be used.

See sheets 8, 9, & 10

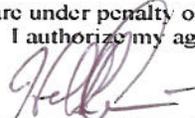
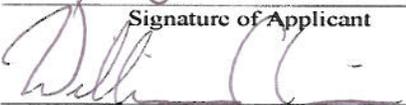
SECTION D: SUBMITTAL FEES

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website (www.waterrights.ca.gov).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the environmental review fee, payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. Your application will be returned to you if it is not accompanied by all required fees.

SECTION E: DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.

	<i>Pres.</i>	<i>5/15/09</i>
Signature of Applicant	Title or Relationship	Date
	<i>Sec.</i>	<i>5/15/09</i>
Signature of Co-Applicant (if any)	Title or Relationship	Date



"APPLICATION TO APPROPRIATE WATER" CHECKLIST

Before you submit your application, be sure to:

- Answer each question completely in Sections A, B, and C.
- Number and include all necessary attachments.
- Include a legible map that meets the requirements discussed in the instruction booklet (Item B6).
- Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation (Item A6).
- Include three complete sets of color photographs of the project site (Item C6).
- Enclose a check for the required fee, payable to the Division of Water Rights, as specified in Section D.
- Enclose a \$850 check for the environmental review fee, payable to the Department of Fish and Game, as specified in Section D.
- Sign and date the application in Section E.

Send the original and one copy of the entire application to:

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000
Sacramento, CA 95812-2000