

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 annum	Beginning date (month & day)	Ending date (month & day)	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)
See Attachment 2.							
	Total afa		Total afa				

See Attachment No. 2 * 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 67.9 acre-feet.
- c. Reservoir storage is: onstream offstream underground (If underground storage, attach Underground Storage Form.)
- d. County in which diversion is located: Mendocino County in which water will be used: Mendocino

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

- a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):
 - POD / PORD #1 Russian River tributary to Pacific Ocean thence
 - POD / PORD #2 Russian River tributary to Pacific Ocean thence
 - POD / PORD #3 Russian River tributary to Pacific Ocean thence
 - POD / PORD #4 Russian River tributary to Pacific Ocean thence

If needed, attach additional pages, check box below and label attachment

See Attachment No.

b. State Planar and Public Land Survey Coordinate Description:

POD/PORD #	CALIFORNIA COORDINATES (NAD 83)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWNSHIP	RANGE	BASE AND MERIDIAN
1	N 2,124,411 E 6,247,188	2	NE 1/4 of NE 1/4	18	13N	11W	M.D.
2	N 2,122,014 E 6,248,024	2	NE 1/4 of SE 1/4	18	13N	11W	M.D.
3	N 2,121,812 E 6,247,621	2	NE 1/4 of SE 1/4	18	13N	11W	M.D.
4	N 2,120,450 E 6,247,580	2	SE 1/4 of SE 1/4	18	13N	11W	M.D.

If needed, attach additional pages, check box below and label attachment

See Attachment No.

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

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: If needed, attach additional pages, check box below and label attachment.
See Attachment 3.

See Attachment No. 3

b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board (State Water 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.) If needed, attach additional pages, check box below and label attachment
Contract with Russian River Flood Control and Water Conservation Improvement District

See Attachment No.

7. PLACE OF USE See Attachment 4 (map).

a.

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total Acres:						

*Please indicate if section is projected with a "(P)" following the section number.
 See Attachment No. 4 Please provide the Assessor's Parcel Number(s) for the place of use:
048-02-002, 048-02-003, 048-06-001, 048-06-002, 048-10-001, 048-10-006, 048-16-001, 048-21-001, and 048-21-005

8. PROJECT SCHEDULE

Project is: proposed, partially complete or complete (Year completed -).

Extent of completion: The three off-stream reservoirs, diversion facilities and pipelines have been constructed. Of the 366 acre place of use, 331 acres have been planted as vineyard.

Estimated amount of time in years it will take for construction to be completed: 9

Estimated amount of time in years it will take for water to be put to full beneficial use: 10

9. JUSTIFICATION OF AMOUNTS REQUESTED

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

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-foot/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)
vineyard	366*	drip irrigation	67.9	May 1	October 31
*These lands also receive water pursuant to other rights. See Item 13.c.					

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.)

a. STOCKWATERING: Kind of stock: _____ Maximum number: _____
 Describe type of operation: _____
 (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: 366 net acres
 Type of crops protected: vineyard
 Rate at which water is applied to use: 55 gpm per acre
 Heat protection season will begin July 1 and end September 30
(month and day) (month and day)

g. FROST PROTECTION: Area to be frost protected: 366 net acres
 Type of crops protected: vineyard
 Rate at which water is applied to use: 55 gpm per acre
 The frost protection season will begin March 15 and end May 31
(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 _____ 1/4 of _____ 1/4 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 _____ 1/4 of _____ 1/4 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: _____
- l. OTHER: Describe use: incidental fire protection at reservoirs
 Basis for determination of amount of water needed: non-consumptive

10. DIVERSION AND DISTRIBUTION METHOD

- a. Diversion will be by gravity by means of: _____
 (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: _____ See Attachment 5.
 (sump, offset well, channel, reservoir, etc)
 Pump discharge rate: _____ cfs or gpd Horsepower: _____
 Pump Efficiency: _____
- c. Conduit from diversion point to first lateral or to offstream storage reservoir: See Attachment 6.

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 -	

See Attachment No. 6

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

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)
Sundial	Off-Stream Pond	Earth	1,600	2.5	3.5	32.9	13
Los Cerros Alta	Off-Stream Pond	Earth	1,100	1.5	1.8	19.4	16
Blue Heron	Off-Stream Pond	Earth	1,450	2	1.9	15.6	13

See Attachment No. _____

W
12/11
A
B
C

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

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter in inches	Length in feet	Fall: Vertical distance between entrance and exit of outlet pipe in feet	Head: Vertical distance from spillway to entrance of outlet pipe in feet	Dead Storage: Storage below entrance of outlet pipe in acre-feet
None - All reservoirs are off-stream pit reservoirs. Dewatering can					
be accomplished by pumping.					

See Attachment No. ____

e. 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 11.2 cfs. Diversion to offstream storage will be made by:
 Pumping Gravity

11. CONSERVATION AND MONITORING

a. What methods will you use to conserve water? Explain.
Drip irrigation system will be used. The Applicant also uses
temperature probes and other soil moisture monitoring equipment.

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)
Staff gages and flow meters will be used.

12. 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. ____

13. 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.

See Attachment No. ____

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 7.

See Attachment No. 7

14. 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:

Contract with Russian River Flood Control and Water Conservation Improvement District

15. 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 quarter/quarter, section, township, range, and meridian 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 cubic feet per second 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 1,000 acre-feet per annum by underground storage.

See the instruction booklet for more information.

See Attachment No. 4

ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Board 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 State Water Board 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.

16. COUNTY PERMITS

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

Person contacted: <http://www.co.mendocino.ca.us/planning/> Date of contact: prior to construction

Department: Planning and Building Services Telephone: (707) 463-4281

County Zoning Designation:

See Attachment 8.

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):

All required county permits were obtained prior to construction.

b. Have you obtained any of the required permits described above? YES NO

If YES, provide a complete copy of each permit obtained. Construction is complete.

See Attachment No.

17. 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) _____
None are required.

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

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.

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:

See Attachment No. _____

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

18. ENVIRONMENTAL DOCUMENT

a. Has any California public agency prepared an environmental document for your project?

YES NO

b. 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: _____

c. 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 State Water Board will be preparing the environmental document.**

I expect that a California public agency other than the State Water 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 State Water Board, Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.

** Note: CEQA requires that the State Water Board, 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 State Water Board, Division of Water Rights.

19. 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. ____

20. 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:

A report is being prepared pursuant to Applications 30987 and 30988.

See Attachment No. ____

21. ENVIRONMENTAL SETTING

Attach two 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 Attachment No. 9

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 Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

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.

Cindy J. Vrie

Signature of Applicant

PRESIDENT

Title or Relationship

2/15/11

Date

Signature of Co-Applicant (if any)

Title or Relationship

Date

Applications that are not completely filled out and/or do not have the appropriate fees will not be accepted. In the event that the Division has to return the application because it is incomplete, a portion of the application submittal fee will be charged for the initial review.

"APPLICATION TO APPROPRIATE WATER" CHECKLIST

Before you submit your application, be sure to:

- Answer each question completely.
- Number, label and include all necessary attachments.
- Include a legible map that meets the requirements discussed in the instruction booklet.
- Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation.
- Include two complete sets of color photographs of the project site.
- Enclose a check for the required fee, payable to the Division of Water Rights.
- Enclose an \$850 check for the Streamflow Protection Standards review fee, payable to the Department of Fish and Game.
- Sign and date the application.

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

water Right Application
Fetzer Vineyards
(Winter Diversion to Off-stream Storage)

Attachment #1

3. Project Description

This Application is for the collection and storage of up to 67.9 acre-feet per annum in three existing offstream reservoirs on the Fetzer Vineyards' Hopland Ranch located near the town of Hopland in Mendocino County. Water is diverted from four existing diversion facilities (Points of Diversion #1-#4) on the Russian River during the period December 15 through March 31 for storage in the existing reservoirs. As shown on the map to accompany the Application, water is and will be used for irrigation, frost protection and heat control of up to 366 acres of vineyard, and for incidental recreation and fire protection use at the reservoirs.

The Blue Heron Reservoir has a capacity of 15.6 acre-feet and was built in 2003 within the footprint of an existing licensed vineyard area.¹ The Sundial Reservoir was built in 2009 within the footprint of a licensed vineyard and has a capacity of 32.9 acre-feet.² The Los Cerros Alta Reservoir was also built in 2009 and has a capacity of 19.4 acre-feet. As stated herein, the reservoirs will be primarily used to store water diverted from the Russian River pursuant to this Application. However, during certain times of the year they will also be used to store winery wastewater and groundwater collected from a sub-surface drain system.

All of the diversion facilities on the Russian River are existing and have been used to divert water under claims of riparian right and appropriative water right licenses (see Item 13.c. in Attachment #7 herein). The conveyance pipelines from the Russian River diversion facilities to the reservoirs and the irrigation and frost protection systems are existing. The place of use consists of approximately 331 acres of existing vineyard (some of which has been developed and served under Fetzer's existing licenses) and about 35 acres of proposed vineyard.

The primary purposes for construction of these reservoirs was to allow Fetzer Vineyards to operate its irrigation, frost and heat protection systems in a manner beneficial to the environment and public trust resources, to create a safer operation for Fetzer employees, and to establish a more reliable water source and delivery system than that used in the past. The reservoirs will allow the following: 1) the ability to make direct diversions from the Russian River at a lower rate of diversion; 2) allow the total annual amount diverted under other claims of right to potentially be reduced by volume of pond, and 3) allow diversion from the Russian River to occur at off peak times when demand on the resource is at a minimum. The goal of this project is not to request an increase in the total volume of water secured by a water right, as winter diversion and storage will allow for less water diversion (via other rights) later in the year. Instead it is an effort to reapportion water diversion and storage to a low-demand time of the year to decrease environmental impact. All of which will result in a more consistent level of flow

¹ Within the place of use of Licenses 9598 and 9613 (Applications 21928 and 21929, Respectively).

² Within the place of use of Licenses 9597 and 9598 (Applications 21927 and 21928, Respectively).

Attachments to Accompany
Water Right Application
Fetzer Vineyards
(Winter Diversion to Off-stream Storage)

in the Russian River for salmonids throughout the season, consistent with the desire of National Marine Fisheries Service.

Attachment #2

4.a. Purpose of Use, Diversion/Storage Amount and Season

PURPOSE OF USE (irrigation, domestic, etc.)	STORAGE		
	AMOUNT	SEASON OF COLLECTION	
		Acre-feet per annum	Beginning date (month & day)
Irrigation		December 15	March 31
Frost Protection		December 15	March 31
Heat Control		December 15	March 31
Incidental Recreation		December 15	March 31
Incidental Fire Protection		December 15	March 31
Total afa	67.9		

Attachment #3

6.a. Water Availability

This application proposes to divert to offstream storage up to 67.9 acre-feet from the Russian River during the season of December 15 through March 31. Based on a comparison of face value of water rights to average flow in the River during this season, it can be concluded that there is a reasonable likelihood of water available for this application.

The project is located on the Russian River downstream of the USGS Russian River Near Hopland gage (#11462500) and upstream of the USGS Russian River near Cloverdale gage (#11463000). Tables 1 and 2 summarize the average daily flow recorded at these two gages during the respective long-term periods of record. During the December 15 through March 31 period, there is an average of 331,727 acre-feet at the upper gage (Hopland). During the same period, there is an average of 471,577 acre-feet at the lower gage (Cloverdale). This indicates an average *net* accretion between the gages of about 140,000 acre-feet. Note that to the extent there were diversions between the gages, *gross* accretions to the river were larger than net accretions. Table 3 is a summary of the face value of water rights of record senior to this application on the main stem Russian River between the USGS Hopland gage and USGS Cloverdale gage during the period of December 15 through March 31. This information was collated from the State Water Board's eWRIMS on-line database, and scanned images of Statements of Use, Permits and Licenses viewable on eWRIMS. Note that to be conservative, this tabulation includes rights listing Russian River Underflow as the source. Many of the existing senior water rights between the two gages do not divert during the December 15 through March 31 season, therefore the table shows zero days diverted and zero face value for these rights. Several of the Statements and applications are for direct diversion for frost or for

water Right Application
Fetzer Vineyards
(Winter Diversion to Off-stream Storage)

frost and irrigation. These entries show 3.3 days of diversion which corresponds to 80 hours of diversion for frost protection in March as included in the May 2010 *Policy for Maintaining Instream Flows in Northern California Coastal Streams* (Section B.2.1.4). Any rights that indicate irrigation only as a purpose of use are presumed to be zero face value as irrigation is generally not required during this period in this region. A few of the water rights show 107 days of diversion, corresponding to the full applied-for season of December 15 to March 31, because the Statements claim domestic or industrial use; these use are presumed to be ongoing during this period. The rights for storage were included at full face value. The total face value of water rights in this reach of the Russian River during the requested season of December 15 through March 31 is 1,983 acre-feet. This is two orders of magnitude less than the water flowing in the river, thus there is a reasonable likelihood of water available for diversion by this application.

TABLE 1
USGS 11462500 RUSSIAN R NR HOPLAND CA
Discharge, cubic feet per second,
Mean of daily values for 71 years of record (Calculation Period 1939-10-01 -> 2010-09-30)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1,590	1,690	1,550	1,090	512	259	196	199	211	205	227	858
2	1,360	1,710	1,480	982	480	252	196	199	209	206	226	814
3	1,190	1,750	1,490	963	456	241	198	199	208	207	229	1,130
4	1,640	1,810	1,540	1,100	443	239	202	201	210	211	232	1,020
5	1,620	1,750	1,470	1,000	426	230	202	200	210	209	228	936
6	1,330	1,830	1,340	959	386	231	199	200	211	210	228	975
7	1,460	1,670	1,220	822	380	230	198	200	206	209	246	911
8	1,490	1,600	1,180	765	379	227	196	201	204	209	243	764
9	1,720	1,590	1,320	745	382	231	194	200	203	216	269	789
10	1,390	1,490	1,250	756	370	226	194	200	202	221	339	778
11	1,510	1,710	1,160	801	349	231	192	201	201	219	370	684
12	1,690	1,760	1,170	906	329	216	193	201	199	261	351	694
13	1,690	1,760	1,150	806	321	208	194	202	200	279	356	614
14	2,080	1,740	1,110	784	311	205	195	202	199	235	380	872
15	1,950	1,740	1,170	715	305	203	196	202	200	222	360	848
16	2,530	1,940	1,160	676	294	200	195	202	202	223	541	894
17	2,150	2,320	1,160	644	285	199	197	202	203	218	514	860
18	2,050	2,020	1,210	614	345	200	197	204	207	217	476	1,040
19	1,930	2,100	1,150	578	334	198	197	203	207	221	430	1,290
20	2,230	1,950	1,060	551	304	197	196	205	207	219	397	1,100
21	2,530	1,880	1,080	549	283	198	195	205	207	217	389	1,460
22	2,020	1,750	1,070	519	279	199	194	205	205	216	446	2,130
23	2,110	1,590	1,200	521	274	199	195	205	202	223	598	1,780
24	2,040	1,770	1,230	534	264	196	195	204	201	219	554	1,560
25	2,030	1,650	1,200	530	255	196	197	205	200	222	539	1,250
26	2,200	1,380	1,170	530	255	197	196	205	204	220	488	1,210
27	1,760	1,530	1,090	567	273	198	197	205	214	219	437	1,690
28	1,610	1,860	979	575	274	195	198	206	210	234	529	1,760
29	1,550	2,290	1,110	604	291	197	197	209	209	233	530	1,630
30	1,470		1,280	557	274	197	199	209	205	256	605	1,540
31	1,520		1,210		271		198	210		234		1,890

Dec 15 - Mar 31 = 331,727 ac-ft

Attachments to Accompany
Water Right Application
Fetzer Vineyards
(Winter Diversion to Off-stream Storage)

Table 2

USGS 11463000 RUSSIAN R NR CLOVERDALE CA

Discharge, cubic feet per second,

Mean of daily values for 59 - 60 years of record (Calculation Period 1950-10-01 -> 2010-09-30)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2,390	2,430	2,060	1,520	649	313	210	207	219	207	229	1,360
2	1,940	2,420	2,040	1,390	602	299	209	209	218	209	228	1,220
3	1,580	2,400	1,980	1,310	563	283	212	210	216	210	231	1,330
4	2,300	2,210	2,030	1,280	525	276	214	211	217	212	237	1,280
5	2,340	2,160	2,210	1,270	527	270	219	210	217	213	239	1,220
6	1,870	2,160	2,000	1,270	476	265	214	211	218	214	245	1,300
7	1,980	2,250	1,810	1,090	462	263	210	211	214	213	273	1,240
8	2,170	2,270	1,780	961	468	259	209	211	212	212	274	1,010
9	2,720	2,300	2,120	947	475	263	204	213	211	231	312	1,200
10	2,010	1,990	1,780	958	461	255	206	213	207	238	481	1,240
11	2,130	2,000	1,680	1,060	429	262	205	213	206	230	498	1,030
12	2,660	2,370	1,740	1,290	399	244	205	213	204	322	475	1,070
13	2,750	2,680	1,820	1,100	384	235	206	212	204	346	518	857
14	3,180	2,600	1,710	1,020	366	230	206	213	204	266	555	1,110
15	3,040	2,720	1,830	942	354	227	208	213	204	239	514	1,190
16	4,240	2,960	1,750	881	340	223	208	214	206	228	767	1,160
17	3,200	3,410	1,640	853	335	222	208	215	208	223	726	1,210
18	2,840	3,180	1,680	797	417	221	208	215	210	223	604	1,210
19	2,730	3,230	1,560	748	418	217	208	214	210	229	566	1,740
20	3,200	3,040	1,530	717	374	216	207	215	210	228	535	1,680
21	3,240	2,890	1,610	721	337	215	205	215	212	226	514	1,940
22	2,530	2,690	1,600	657	330	215	204	215	209	224	561	2,920
23	2,610	2,460	1,530	693	323	216	203	214	206	245	815	2,380
24	2,870	2,750	1,590	697	312	213	205	213	205	234	786	2,060
25	2,860	2,670	1,690	705	297	212	207	213	205	249	722	1,610
26	3,270	2,090	1,580	693	302	212	207	212	208	235	638	1,630
27	2,730	1,950	1,560	749	334	213	208	212	218	228	581	2,040
28	2,370	2,160	1,360	762	338	212	208	214	213	240	678	2,130
29	2,360	2,520	1,470	771	387	212	208	216	210	233	709	2,160
30	2,240		1,650	694	342	213	208	217	207	238	917	2,220
31	2,200		1,580		332		208	219		235		2,880

Dec 15 - Mar 31 = 471,577 ac-ft

TABLE 3
Face Value of Water Rights on Russian River between USGS Gage Near Hopland and USGS Gage Near Cloverdale During the
Period of December 15 through March 31
(Sorted by priority)

Application	Permit	License	Direct Diversion Rate (cfs)	Annual Limit (ac-ft)	Diversion Season	Source	Number Days Direct Diversion Dec 15-Mar 31	Face Value Dec 15 - Mar 31 (ac-ft)
S008074			3.1		Mar - Nov	Russian River	3.3	20.6
S015041					Mar - Sep	Russian River Underflow	-	2.2
S015184			4.9		Mar - Oct	Russian River	3.3	32.4
S015313			9.9		Mar - Oct	Russian River	3.3	65.5
S015314			4.1		Mar - Oct	Russian River	3.3	27.2
S015315			3.23		Mar - Nov	Russian River	3.3	21.4
S015316			2.6		Mar - Oct	Russian River	3.3	16.9
S015317			5.0		Mar - Nov	Russian River	3.3	33.1
S015349			4.9		Feb - Oct	Russian River	3.3	32.4
S015400			0.3		Jan - Dec	Russian River	107	70.9
S015401			0.17		Jan - Dec	Russian River	107	35.5
S015402			0.3		Jan - Dec	Russian River	107	70.9
S015508			6.7		Feb - Oct	Russian River Underflow	3.3	44.2
S015510			6.7		Feb - Oct	Russian River Underflow	3.3	44.2
S015924			2.0		Apr - Sep	Russian River Underflow	0	0
A003565	1710	1356	0.42		May 1 - Oct 1	Russian River	0	0
A013030A	7813	5408A	0.36		May 1 - Oct 15	Russian River	0	0
A013030B	7813	5408B	0.54		May 1 - Oct 15	Russian River	0	0
A013661	8169	3923	0.625		May 1 - Nov 1	Russian River	0	0
A013749	8199	5895	0.24		May 1 - Nov 1	Russian River	0	0
A013753	8201	3851	0.22		May 1 - Oct 15	Russian River	0	0
A013755	8306	3855	0.26		May 1 - Oct 15	Russian River	0	0
A015743	9838	5969	0.13		May 1 - Nov 1	Russian River	0	0
A016249	10201	7302	2.3		May 1 - Nov 1	Russian River	0	0
A016557	10381	9430	1.65		Apr 1 - Sept 30	Russian River Underflow	0	0
A016561	10382	8091	1.6		May 1 - Oct 31	Russian River Underflow	0	0
A016670	14343	9434	0.9	215	May 15 - Oct 15	Russian River	0	0
A016671	14344	9854	0.55	147	May 15 - Oct 15	Russian River	0	0
A017145	13831	8627	0.73		May 15 - Oct 1	Russian River	0	0
A017885	14159	9003	0.24		May 15 - Oct 1	Russian River	0	0
A018093A	14060	9851A	0.22	50	May 1 - Oct 1	Russian River Underflow	0	0
A018093B	14060	9851B	1.54	350	May 1 - Oct 1	Russian River Underflow	0	0
A021516	15098	10356	0.61	105	May 1 - Nov 1	Russian River	0	0
A021927	14783	9597	0.23	42	May 1 - Oct 31	Russian River	0	0
A021928	14784	9598	1.04	157	May 1 - Oct 31	Russian River	0	0
A021929	14785	9613	0.27	61	May 1 - Oct 31	Russian River	0	0
A021930	14786	9614	0.31	34	May 1 - Oct 31	Russian River	0	0
A021931	14787	9602	0.34	49	May 1 - Oct 31	Russian River	0	0
A021932	14788	9604	0.046	12	Apr 15 - Oct 31	Russian River	0	0
A022702	15425	9823	0.05	4	Apr 15 - June 30	Russian River	0	0
A023387	16050	10222	0.07	19	May 15 - Oct 1	Russian River	0	0
A023926A	16430	11060A	0.125		Mar 15 - May 1 Oct 1 - Nov 1	Russian River Underflow	0	0
A023926B	16430	11060B	0.875	422	Mar 15 - May 1 Oct 1 - Nov 1	Russian River Underflow	0	0
A024050	16731	13388	4.46	38	Mar 1 - May 31	Russian River	3.3	29.5
A024141	17388		11.8		Mar 1 - Jun 1 Oct 1 - Nov 30	Russian River	3.3	78.0
A024522A	17399A		0.67		May 15 - Nov 15	Russian River	0	0
A024522B	17399B		storage	7	Nov 15 - May 15	Russian River	-	7
A024763B	17927B	13195	0.67		Mar 15 - Nov 15	Russian River	3.3	4.4
A025596	17770	11727	storage	7	Nov 15 - May 15	Russian River	-	7
A025822A	18115A	12367	13.25	86	Mar 15 - May 31	Russian River	3.3	87.6
A025822B	18115B	13168	2.95	598	Apr 1 - Oct 31	Russian River	0	0
A029760			0.1		May 15 - July 15	Russian River	0	0
A030163			storage	26	Jan 1 - May 15	Russian River	-	26
A030553			0.99	96	Mar 15 - May 15	Russian River	3.3	6.5
A030554			2.95	385	Apr 15 - Jun 30	Russian River	0	0
A030982			storage	158	Nov 1 - Jun 30	Russian River	-	158
A030987			40	315	Mar 1 - Apr 30	Russian River	3.3	264.5
A030988			storage	40	Nov 1 - May 15	Russian River	-	40
A031085			storage	45	Nov 1 - May 15	Russian River	-	45
A031091			1.33	24.5	Mar 1 - Jun 30	Russian River	3.3	8.8
A031093			25.4	323	Mar 1 - May 31	Russian River	3.3	167.9
A031105			storage	195	Nov 1 - Jun 30	Russian River	-	195
A031159			8.1	73	Mar 1 - Jun 1	Russian River	3.3	53.6
A031179			4.9	50	Mar 1 - May 31	Russian River	3.3	32.4
A031261			4.9	338	Mar 1 - May 31	Russian River	3.3	32.4
A031296			4.9	32	Jun 1 - Oct 1	Russian River	0	0
A031311			2.09	100	May 1 - Oct 1	Russian River	0	0
			storage	60	Nov 1 - May 31	Russian River	-	60
			2.95	258	Feb 15 - Mar 31	Russian River	3.3	19.5
			2.95	87	Nov 1 - Nov 15	Russian River	0	0
			storage	123	Dec 1 - Apr 30	Russian River	-	123
			2.99	36	Mar 1 - May 31	Russian River	3.3	19.8

TOTAL: 1,983

Attachments to Accompany
Water Right Application
Fetzer Vineyards
(Winter Diversion to Off-stream Storage)

Attachment #4

7. Place of Use

See attached map.

Attachment #5

10.b. Diversion and Distribution Method

Point of Diversion	Diversion by Pumping from	Pump Discharge Rate (gpm)	Horsepower	Pump Efficiency
1	channel	2,350	140	85%
2	channel	1,700	75	66%
3	channel	1,800	101	80%
4	channel	1,000	60	65%

Attachment #6

10.c. Conduit From Diversion Point to Off-Stream Storage

Conduit	Material	Cross-Section (Inches)	Length (feet)	Total Lift (feet)	Capacity (cfs)
POD 1 to Sundial A	PVC	12	1,200	30	4
POD 2 to Los Cerros Alta B	PVC	12	4,000	80	4
POD 2 to Blue Heron C	PVC	12	1,100	20	4
POD 3 to Los Cerros Alta B	PVC	12	4,600	80	4
POD 3 to Blue Heron C	PVC	12	1,200	20	4
POD 4 to Los Cerros Alta B	PVC	12	5,700	80	4
POD 4 to Blue Heron C	PVC	12	1,500	20	4

Attachment #7

13.c. Existing Water Rights and Related Filings

- License 9597 (Application 21927)
- License 9598 (Application 21928)
- License 9602 (Application 21931)
- License 9604 (Application 21932)
- License 9613 (Application 21929)
- License 9614 (Application 21930)
- License 9823 (Application 22702)
- Application 30987
- Application 30988
- Statement 15313
- Statement 15314

OKW
5-12-11

Attachments to Accompany
Water Right Application
Fetzer Vineyards
(Winter Diversion to Off-stream Storage)

Statement 15315
Statement 15316
Statement 15317
- Statement 15318
Statement 15400
Statement 15401
Statement 15402
- Statement 18130
- Statement 18133
- Statement 18139
- Statement 18151

Attachment #8

16.a. County Zoning Designation

APN: 048-02-002; Base Zoning District: AG; General Plan Classification: AG40-Agricultural
APN: 048-02-003; Base Zoning District: RL; General Plan Classification: RL160-Rangeland
APN: 048-06-001; Base Zoning District: AG; General Plan Classification: AG40-Agricultural
APN: 048-06-002; Base Zoning District: RL; General Plan Classification: RL160-Rangeland
APN: 048-10-001; Base Zoning District: AG; General Plan Classification: AG40-Agricultural
APN: 048-10-006; Base Zoning District: RL; General Plan Classification: RL160-Rangeland
APN: 048-16-001; Base Zoning District: AG; General Plan Classification: AG40-Agricultural
APN: 048-21-001; Base Zoning District: AG; General Plan Classification: AG40-Agricultural
APN: 048-21-005; Base Zoning District: AG; General Plan Classification: AG40-Agricultural

Attachment #9

21. Project Photographs

See separate attachment.