

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)
Irrigation					14.8	11-1	5-31
Frost Protection							
Heat Control							
	Total afa		Total afa		14.8		

See Attachment No. ____ * 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 14.8 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 Unnamed Stream tributary to Unnamed Stream thence Russian River

POD / PORD # 2 Dooley Creek tributary to Russian River thence _____

POD / PORD # _____ tributary to _____ thence _____

POD / PORD # _____ tributary to _____ 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	N2,117,847 E6,251,324	2	SW ¼ of NE ¼	20	13N	11W	MD
2	N2,117,850 E6,253,187	2	SE ¼ of NE ¼	20	13N	11W	MD
			¼ of ¼				
			¼ of ¼				

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 No. 2

- 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
 N/A

See Attachment No. ____

7. PLACE OF USE

a.

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
SE 1/4 of NW 1/4	20	13N	11W	MD	3	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
SW 1/4 of NE 1/4	20	13N	11W	MD	7	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NW 1/4 of SE 1/4	20	13N	11W	MD	10	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
1/4 of 1/4						<input type="checkbox"/> YES <input type="checkbox"/> NO
SW 1/4 of NE 1/4	20	13N	11W	MD	Reservoir	<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:					20	

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

See Attachment No. ____ Please provide the Assessor's Parcel Number(s) for the place of use:
 048-260-25&26

8. PROJECT SCHEDULE

Project is: proposed, partially complete or complete (Year completed - 1998).

Extent of completion: _____

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

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

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
 Basis for determination of amount of water needed: _____

10. DIVERSION AND DISTRIBUTION METHOD

- a. Diversion will be by gravity by means of: #1 Dam
 (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: #2 Pump
 (sump, offset well, channel, reservoir, etc)
 Pump discharge rate: 1 cfs or gpd Horsepower: 25
 Pump Efficiency: 75%

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	PVC	5"	1300	10	+	1 cfs

See Attachment No. _____

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)
1	27.5'	Earth	210'	2'	1	14.8	28

See Attachment No. _____

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
1	10"	140	1'	27'	1

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 1 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, micro sprinklers for frost protection & heat control. Applicant also uses temperature probes and 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)
 Flow meters and staff gages.

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 No. _____

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: _____

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. 3

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: www.co.mendocino.ca.us/planning Date of contact: 2-18-11
 Department: Planning and Building Telephone: (707) 463-4281
 County Zoning Designation:
048-260-25&26 - AG40

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):

Project is complete and all 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.

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)

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

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.
DFG	LSAA	Fish and Game Code 1600		

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. 1

* 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:

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. 4

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.

	owner/member LLC	5/1/2011
Signature of Applicant	Title or Relationship	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

Attachments to Accompany
Water Right Application
Dooley Creek Ranch, LLC

Attachment #1

3. Project Description

This project consists of the collection and storage of water in an existing onstream reservoir at Point of Diversion #1, having a capacity of 14.8 acre-feet and an existing diversion pump located on Dooley Creek at Point of Diversion #2. Water is used for irrigation, frost protection and heat control of 20 acres of existing vineyard (see location on Attachment 3). Diversions from Dooley Creek have been made at POD #2 since prior to the construction of the reservoir for irrigation of various crops on portions of the property. The reservoir was built in 1998 and stores water collected from its naturally tributary drainage area. The existing vineyard was also developed in 1998. Neither the reservoir nor place of use has changed from the time that they were developed. No further development is requested.

The project proposed under this Application involves no changes to the existing reservoir at Point of Diversion #1 or the existing diversion on Dooley Creek at Point of Diversion #2 and no changes to the requested place of use or water diversion relative to historical conditions for this project. Accordingly, this Application qualifies for a Categorical Exemption under Title 14, California Code of Regulations, Section 15301, Existing Facilities, which states the following:

“Class 1 consists of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination.”

Based on the foregoing, we are requesting that the State Water Board grant a Categorical Exemption to this Application and proceed with further processing as necessary for permit issuance.

Attachment #2

6. Water Availability
See separate attachment.

Attachment #3

15. Map
See separate attachment.

Attachment #4

21. Environmental Setting (Photographs)
See separate attachment.

Prepared By

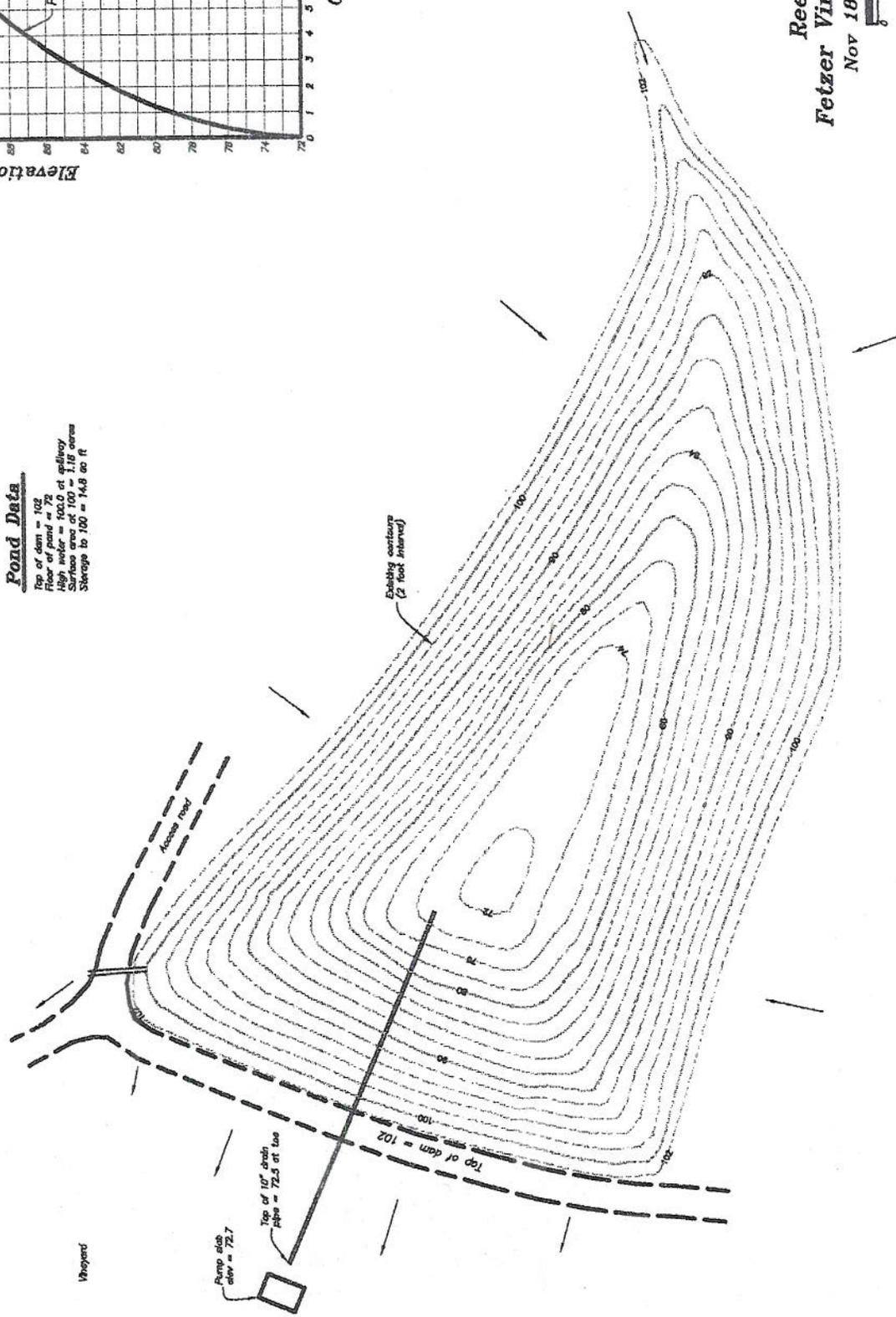
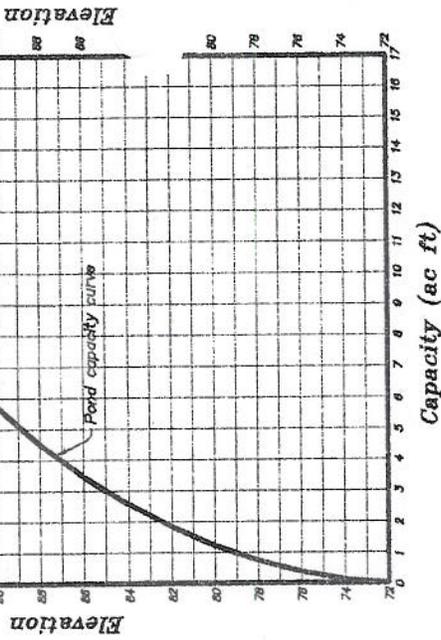
Ron W. Franz RCE, PLS
 2335 Appalmeria Drive
 Ukiah, Ca 95482
 707-462-1087



Field survey work done on Nov. 16, 2010
 Water surface elevation on Nov. 16 was at 88.5
 Contours below water surface were based on a
 few depth measurements and may be a little rough.
 Horizontal datum = compass, true north
 Vertical datum, assumed = Invert spillway pipe = 100.0

Pond Data

Top of dam = 102
 Floor of pond = 72
 High water = at 100 = 1.15 acres
 Storage to 100 = 14.8 ac ft



Reed Pond As-Built
Fetzer Vineyards --- Valley Oaks
 Nov 18, 2010 --- Scale: 1"=30'

ATTACHMENT 2

Estimate of Water Availability to Accompany Water Right Application of Dooley Creek Ranch, LLC

California Water Code Section 1260(k) requires that every application for a permit to appropriate water shall include “sufficient information to demonstrate a reasonable likelihood that unappropriated water is available for the proposed appropriation.” This narrative and accompanying calculations provide the required information.

The subject Application proposes two points of diversion as follows:

POD #	Source Description	Proposed Storage Capacity (af)
1	Unnamed Stream tributary to an Unnamed Stream thence Russian River – on-stream reservoir	14.8
2	Dooley Creek – point of diversion to offstream storage at POD 1	NA

The subject Application is within the watersheds of Dooley Creek and an unnamed stream tributary to the Russian River in Mendocino County (see attached Plate I). According to State Water Resources Control Board Order WR 98-08, there are no fully appropriated limitations on the subject watershed. The Application proposes a diversion season of November 1 to May 31, which conforms to Order WR 98-08. The following describes the methodology used to demonstrate a *reasonable* likelihood that water is physically available for the proposed appropriation.

Plate I shows the proposed points of diversion and the watershed areas tributary thereto. The map also shows lines of equal mean annual precipitation based on the map entitled “*Mean Annual Precipitation in the California Region*” Compiled by S.E. Rantz, 1972. This map is included as Attachment A.

The average seasonal runoff tributary to the point of diversion (POD) can be estimated based on adjustment of flow data recorded at a nearby stream gaged by the U.S. Geological Survey. The closest USGS gaged watershed with a significant length of record is the Russian River near Ukiah Gage (USGS #11461000). Table 1 summarizes the monthly discharge of the Russian River as recorded at that gage for water years 1912, 1913, and 1953 through 2010 (60 years). The average seasonal runoff at the PODs can be estimated by multiplying the Russian River gage record by ratios that account for the difference in drainage area and weighted mean annual precipitation between the gaged watershed and the watersheds of interest. Table 2 summarizes the computation of drainage area and weighed mean annual precipitation for the reference gaged watershed and the watersheds of interest.

The table below summarizes this calculation. The Russian River gaged watershed has a drainage area of about 64,248 acres, an estimated weighted mean annual precipitation of about 45.03 inches (based on evaluation of the mean annual precipitation map), and an average discharge during the proposed diversion season of 125,097 acre-feet.¹ The drainage area for the proposed PODs and the weighted mean annual precipitation over their watershed areas were estimated from the USGS 7.5-minute quad map and are shown in the table below.

The average seasonal discharge at each POD was then estimated by ratio:

$$Q_2 = Q_1 \times (A_2/A_1) \times (MAP_2/MAP_1)$$

where:

Q_2 = Flow at point of interest;

Q_1 = Flow at gage;

A_2 = Drainage area above point of interest;

A_1 = Drainage area above gage;

MAP_2 = Area-weighted mean annual precipitation for watershed above point of interest;

MAP_1 = Area-weighted mean annual precipitation for watershed above gage.

Watershed	Drainage Area (acres)	Mean Annual Precipitation (inches)	Average Discharge Nov 1 – May 31 (ac-ft/season)
Russian River gage	64,248	45.03	125,097
POD #1 watershed	10	40	17
POD #2 watershed	9,626	40	16,650

There are no existing water rights of record upstream of the POD #1. Based on evaluation of the Dooley Creek watershed in connection with other water right actions, the face value of water rights of record upstream of POD #2 is estimated to be about 1,137 acre-feet.² Accordingly, the combined amount of water available for diversion at both PODs in an average year is estimated to be 17 + 16,650 – 1,137 = 15,530 acre-feet. This amount greatly exceeds the applied-for amount of 14.8 acre-feet, therefore, there is a reasonable likelihood that water is available for the subject application.

¹ See memorandum dated January 19, 2010, by Wagner & Bonsignore Consulting Civil Engineers regarding a Cumulative Flow Impairment Index calculation and Water Availability Analysis for Application 31336 of James Bloom.

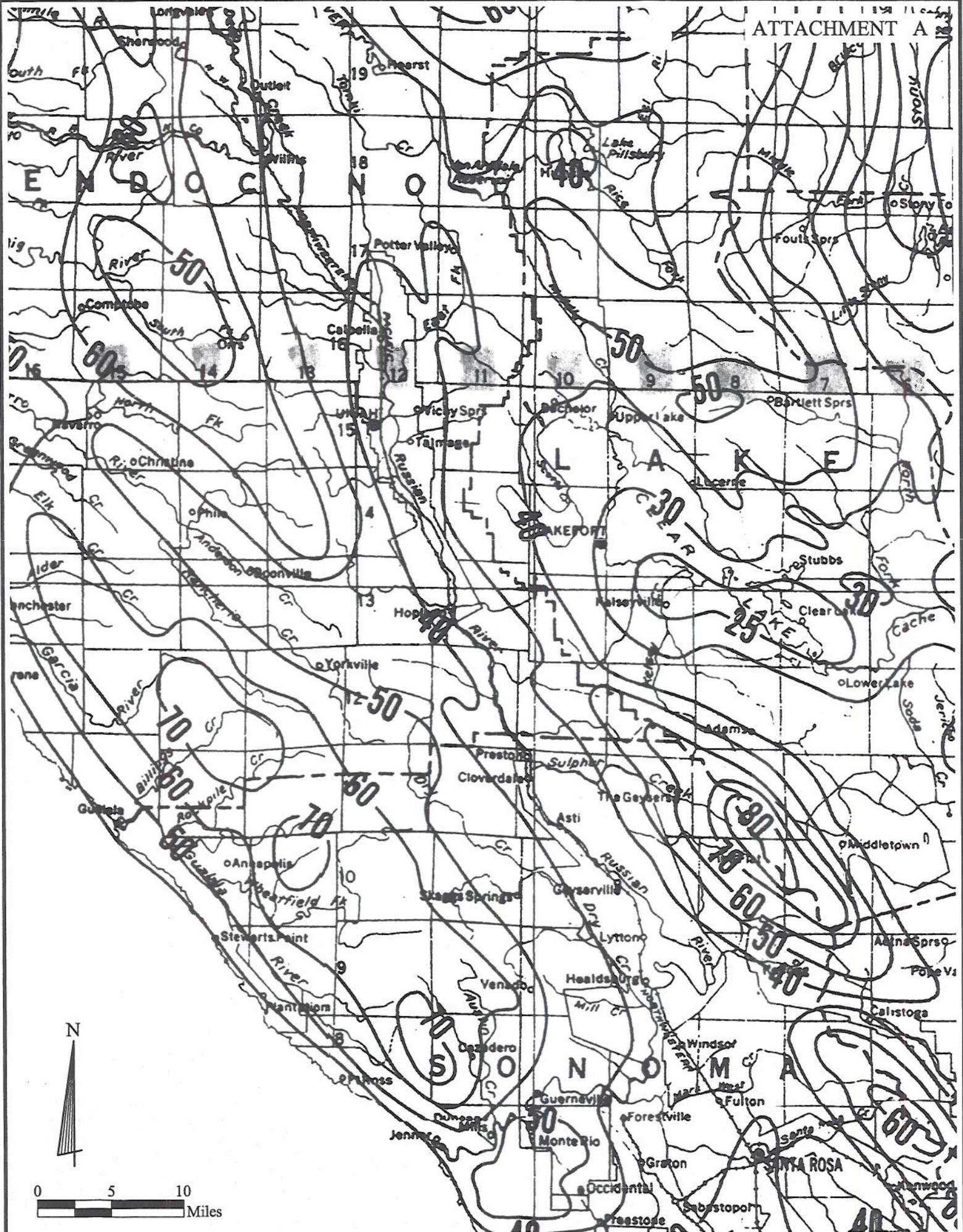
² Ibid.

TABLE 1
Monthly Discharge of Russian River Near Ukiah, CA (USGS Gage #11461000)
(acre-feet)

WY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1912	2	18	215	13,134	6,207	22,640	4,838	8,295	298	154	55	95	55,951
1913	123	26,385	17,905	46,805	3,854	4,575	6,498	1,002	433	125	31	12	107,747
1953	0	9	47,457	80,304	4,276	15,839	6,373	4,655	2,059	359	116	76	161,523
1954	130	4,106	7,360	44,167	25,303	20,826	18,250	1,869	803	159	60	66	123,100
1955	81	1,529	14,450	17,580	4,060	3,616	8,003	2,601	340	68	12	6	52,346
1956	6	1,636	100,780	96,598	50,751	11,240	2,416	1,494	414	114	50	28	265,528
1957	842	666	526	17,703	31,262	30,714	4,868	7,864	1,059	170	34	152	95,859
1958	8,817	8,956	18,656	33,960	109,688	28,131	39,059	2,509	1,184	320	50	23	251,352
1959	41	684	2,435	32,036	31,290	5,313	2,731	689	257	49	20	12	75,557
1960	11	46	109	6,715	56,636	35,448	4,522	2,601	797	148	24	6	107,064
1961	16	3,273	25,819	8,387	35,539	31,839	7,337	3,782	744	159	16	11	116,921
1962	6	3,624	11,504	7,661	37,521	27,233	3,088	1,045	277	39	6	7	92,013
1963	9,027	3,505	17,438	13,767	18,261	18,090	45,843	6,198	821	348	79	25	133,402
1964	202	15,572	3,978	29,926	4,228	4,581	1,619	849	436	40	11	3	61,445
1965	3	13,603	102,255	53,667	8,042	4,071	18,506	2,091	696	141	62	30	203,168
1966	57	9,824	10,521	40,084	18,905	12,003	4,505	978	300	60	10	12	97,259
1967	7	8,087	22,861	43,878	8,647	23,556	23,070	3,966	1,327	168	57	16	135,641
1968	89	223	5,436	25,948	24,579	12,980	2,392	824	230	8	18	3	72,730
1969	27	678	56,988	73,909	56,482	17,893	4,249	1,420	412	76	9	9	212,153
1970	83	223	22,585	108,527	19,477	8,947	1,898	812	293	68	3	0	162,917
1971	127	12,442	53,175	44,069	3,271	28,598	5,927	1,716	643	125	8	15	150,116
1972	13	708	10,896	15,741	14,726	12,396	6,117	1,181	364	88	0	3	62,232
1973	200	6,498	23,193	59,275	32,895	23,618	5,689	1,113	286	18	2	5	152,792
1974	443	40,606	40,484	58,826	24,742	53,673	26,319	2,250	552	226	29	14	248,166
1975	69	288	4,034	13,226	66,423	73,848	7,878	2,330	383	35	2	3	168,519
1976	382	2,065	4,833	1,347	16,112	7,083	6,653	701	135	4	10	3	39,328
1977	1	136	156	568	794	2,054	258	194	13	0	0	0	4,174
1978	0	2,571	26,551	72,433	41,065	27,645	15,382	1,851	443	112	0	44	188,097
1979	17	133	214	17,137	33,689	15,501	3,231	3,400	296	49	0	0	73,669
1980	1,033	18,381	18,262	50,298	37,182	17,266	6,671	1,703	528	124	13	16	151,476
1981	10	89	4,409	23,685	12,224	14,966	3,011	726	94	4	0	3	59,221
1982	959	31,776	56,348	35,608	35,605	27,024	37,089	2,632	756	260	35	68	228,161
1983	592	21,077	41,283	40,170	65,813	88,297	34,900	9,137	1,565	664	155	161	303,814
1984	212	39,666	68,314	9,279	15,721	10,797	6,391	1,888	543	103	42	20	152,975
1985	319	26,331	10,016	2,662	14,184	12,980	3,588	738	203	60	6	77	71,165
1986	81	2,386	8,596	26,938	89,361	36,942	2,856	1,174	277	153	97	65	168,928
1987	117	247	683	10,047	15,645	23,950	2,130	590	157	17	0	18	53,600
1988	89	565	27,658	35,245	3,641	1,230	875	614	198	34	13	1	70,163
1989	28	9,443	10,078	10,810	1,777	48,551	7,343	1,304	476	122	38	103	90,073
1990	582	619	354	14,530	12,007	6,924	1,071	7,120	2,416	166	19	35	45,843
1991	45	102	194	235	850	31,279	1,880	465	191	14	15	11	35,281
1992	33	345	2,294	5,866	37,084	16,583	3,094	391	145	59	1	34	65,930
1993	199	613	31,027	58,064	27,252	12,199	7,141	3,757	3,416	405	106	88	144,266
1994	96	297	4,169	9,162	20,905	3,056	1,851	1,039	190	13	9	9	40,795
1995	40	1,505	8,455	122,116	12,285	74,893	13,835	12,378	1,428	457	132	71	247,594
1996	73	158	17,223	52,683	38,608	19,756	8,700	5,337	1,018	212	65	77	143,909
1997	82	1,523	55,321	62,780	9,797	7,194	2,719	1,144	512	105	59	89	141,325
1998	291	6,801	12,562	82,518	98,913	22,406	14,870	6,702	3,130	595	231	129	249,149
1999	182	5,207	11,013	13,657	58,426	31,937	11,800	2,220	661	180	91	61	135,432
2000	75	1,369	2,435	17,082	44,435	15,846	3,356	1,599	381	141	64	49	86,831
2001	205	365	1,261	6,942	22,737	13,325	1,440	621	187	60	0	11	47,155
2002	61	10,390	43,110	25,671	12,635	10,410	2,529	1,039	344	46	2	2	106,239
2003	35	367	67,207	31,636	8,003	15,735	39,285	13,251	797	305	59	60	176,740
2004	88	64	45,920	28,211	68,393	10,422	2,386	898	314	103	55	82	156,936
2005	342	391	21,890	26,299	8,942	28,340	15,555	14,929	3,332	652	138	51	120,861
2006	117	2,071	94,139	50,685	23,531	51,245	43,796	3,308	994	368	103	28	270,385
2007	157	899	18,311	4,034	32,545	8,258	2,743	1,174	287	82	27	32	68,550
2008	239	470	9,709	51,958	32,494	4,765	1,571	787	195	25	6	9	102,227
2009	55	508	5,491	2,275	20,521	16,018	1,583	4,765	381	44	1	0	51,642
2010	50	188	1,820	47,389	17,828	21,220	35,774	6,352	2,089	457	58	33	133,257
Average	455	5,872	22,539	33,932	28,135	21,463	10,156	3,001	725	158	40	36	126,511

Table 2
Dooley Creek Ranch, LLC
Calculation of Weighted Mean Annual Precipitation in POD Watersheds

Watershed	Area (ac)	Mean Annual Precipitation (in)	Volume (ac-ft)	Percent of Gage (%)
USGS 11461000 Russian River Near Ukiah, CA				
	141	58.80	8,291	
	13,735	53.50	734,823	
	12,390	47.80	592,242	
	20,103	41.90	842,316	
	<u>17,879</u>	40.00	<u>715,160</u>	
Total	64,248		2,892,831	
Weighted Average		45.03		-
Point of Diversion #1				
	<u>10</u>	40	<u>33</u>	
Total	10		33	
Weighted Average		40		0.01%
Point of Diversion #2				
	<u>9,626</u>	40	<u>32,085</u>	
Total	9,626		32,085	
Weighted Average		40		13.31%



Portion of "Mean Annual Precipitation in the California Region" Compiled by S.E. Rantz, 1972.