Home

REJECTED BR 5-30-06

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

California Environmental Protection Agency

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

APPLICATION NO. _____ (leave blank) C31621

APPLICATION TO APPROPRIATE WATER

SECTION A: NOTICE INFORMATION

1. APPLICANT/AGENT

a.

	APPLICANT	ASSIGNED AGENT (if any)
Name	Robert Young Family Ltd.	Wagner & Bonsignore
	Partnership	
Mailing Address	4950 Red Winery Road	444 North Third St., #325
City, State & Zip	Geyserville, CA 95441	Sacramento, CA 95814
Telephone	(707) 433-3228	(916) 441-6850
Fax		(916) 448-3866
E-mail		ryans@wagner-engrs.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.)

See Attachment 1

☒ *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,					156	11/1	6/1
Frost Protection, Heat Control,							
Incidental Recreation & Fire Protection							
Stockwatering							

☐ *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 156 acre-feet.
c. Reservoir storage is: ☒ onstream ☒ offstream ☐ underground (If underground storage, attach Form APP-UGSTOR.)
d. County in which diversion is located: Sonoma County in which water will be used: Sonoma
e. Assessor's Parcel Number(s): 131-110-02, 04 131-080-25

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):
☐ POD / ☐ PORD # ___ : _____ tributary to _____
thence _____
☐ POD / ☐ PORD # ___ : _____ tributary to _____
thence _____
☐ POD / ☐ PORD # ___ : _____ tributary to _____
thence _____
☐ POD / ☐ PORD # ___ : _____ tributary to _____
thence _____
☒ *See Attachment No.* 2

6/15/06 $3190 DC DFG $850

b. State Planar and Public Land Survey Coordinate Description:

POD/ PORD #:	CALIFORNIA COORDINATES (NAD 27)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN-SHIP	RANGE	BASE AND MERIDIAN
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				

☒ *See Attachment No.* 3

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

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:

☒ *See Attachment No.* 4

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.)
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?
¼ of ¼						☐ YES ☐ NO
¼ of ¼						☐ YES ☐ NO
¼ of ¼						☐ YES ☐ NO
¼ of ¼						☐ YES ☐ NO
¼ of ¼						☐ YES ☐ NO
¼ of ¼						☐ YES ☐ NO
¼ of ¼						☐ YES ☐ NO
¼ of ¼						☐ YES ☐ NO
				Total:		

*Please indicate if section is projected with a "(P)" following the section number.
☒ *See Attachment No.* 5

8. PROJECT SCHEDULE

a. Project is:
☐ proposed. Year construction will begin: ___
☐ partially complete. Extent of completion: ___
☒ complete. Year completed: 1989

b. Year of first use: 1963 Year water will be used to the full extent intended: 2007

SECTION B: MISCELLANEOUS DIVERSION INFORMATION

1. JUSTIFICATION OF AMOUNTS REQUESTED

a. ☒ IRRIGATION: Maximum area to be irrigated in any one year: 305 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)
Vineyard	305	Drip	156	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, central area, number and kind of domestic animals, etc.)

c. ☒ STOCKWATERING: Kind of stock: cattle Maximum number: 30
Describe type of operation: grazing
(feedlot, dairy, range, etc.)

d. ☒ RECREATIONAL: Type of recreation: ☒ Fishing ☒ Swimming ☐ Boating ☐ Other Incidental

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-feet (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: 305 net acres
Type of crops protected: Vineyard
Rate at which water is applied to use: 35 gpm per acre
Heat protection season will begin 6/1 (month & day) and end 8/31 (month & day).

g. ☒ FROST PROTECTION: Area to be frost protected: 305 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 3/1 (month & day) and end 5/31 (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: Incidental Fire Protection
Basis for determination of amount of water needed: _____

2. DIVERSION AND DISTRIBUTION METHOD

a. Diversion will be by gravity by means of: POD #1-3: Dam ; POD #4 & #5: Weir
(dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)

b. Diversion will be by pumping from: _____
(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:

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 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)

☒ See Attachment No 7

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)

☒ See Attachment No. 8

f. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to offstream storage will be 5 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. Drip Irrigation

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 gage in reservoirs.

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? License 7565 (App 19427) provides for storage of 15af in Warner Reservoir (POD #2).

☐ *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 Attachment No* 9

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: Sonoma County Date of contact: 3/10/06

Department: Planning Department Telephone: (707) 565-1900

County Zoning Designation: LIA-20 2, FR, VOH

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.

☐ *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: Project is existing. No additional development is required pursuant to this application.

☐ *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 Attachment No.* ___

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 Attachment No* 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.

Signature of Applicant	Title or Relationship	Date
James R Young	President	3-31-06
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

Attachments to Accompany
Water Right Application
Robert Young Family Ltd. Partnership

Attachment #1
3. Project Description

This project requests the storage of up to 156 acre-feet of water in three existing onstream reservoirs and one existing offstream reservoir located on the Applicant's property. Water will be used for irrigation, frost protection and heat control of 305 acres of existing vineyard and for stockwatering, fire protection and recreation purposes at the reservoirs.

The existing onstream reservoir at Point of Diversion #2 (Warner Reservoir) also named in License 7565 (A19427) and is authorized to store 15 acre-feet of water, from its naturally tributary area, pursuant to that License. Warner Reservoir has a total storage capacity of approximately 35 acre feet and this application seeks to cover the additional capacity. The onstream reservoirs at Points of Diversion #1 (Squibb Reservoir), #2 (Warner Reservoir) and #3 (Small Pond) collect water from their naturally tributary areas as well as from groundwater wells. The existing offstream reservoir (Home Reservoir) stores water diverted from three points of diversion (POD's #2, #4 and #5) on unnamed streams as well as from groundwater wells located on the property. This application seeks to authorize the storage of 49 acre feet in the Squibb Reservoir at POD #1, 35 acre-feet in the Warner Reservoir at POD #2, 2 acre-feet in the Small Pond at POD #3 and 70 acre-feet in the offstream Home Reservoir.

The property has historically been developed in pasture, orchards and vineyard and was first planted in the 1850's. The current vineyards were planted in the 1960's. The Home Reservoir was constructed in 1919, Warner Reservoir in 1950, Squibb Reservoir in 1958 and Small Pond in 1989. All reservoirs, vineyards, irrigation and water conveyance pipelines are existing. No further development is required for this project. The total amount of water requested in this Application together with the amount authorized under License 7565 shall not exceed 156 acre-feet.

Attachments to Accompany
Water Right Application
Robert Young Family Ltd. Partnership

Attachment #2

5.a Sources and Points of Diversion

POD	Description
#1	Unnamed stream tributary to Unnamed Stream thence Unnamed Ditch thence Russian River
#2	Unnamed stream tributary to Unnamed Ditch thence Russian River
#3	Unnamed stream tributary to Russian River
#4	Unnamed stream tributary to Gird Creek thence the Russian River
#5	Unnamed stream tributary to Gird Creek thence the Russian River

Attachments to Accompany
Water Right Application
Robert Young Family Ltd. Partnership

Attachment #3
5.b State Planar and Public Land Survey Description

Map Point	Description
1	Point of Diversion by Collection to Storage (Squibb Reservoir): Located N.373,300 and E.1,768,250, California Coordinate System, Zone 2. Being within SW¼ of NW¼ of projected Section 25, T10N, R9W, MDB&M.
2	Point of Diversion by Collection to Storage (Warner Reservoir) and Point of Diversion to Offstream Storage at Reservoir "A" (Home Reservoir):: Located N.374,350 and E.1,766,950, California Coordinate System, Zone 2. Being within NE¼ of NE¼ of projected Section 26, T10N, R9W, MDB&M.
3	Point of Diversion by Collection to Storage (Small Pond): Located N.375,350 and E.1,764,650, California Coordinate System, Zone 2. Being within SW¼ of SE¼ of projected Section 23, T10N, R9W, MDB&M.
4	Point of Diversion to Offstream Storage at Reservoir "A" (Home Reservoir): Located N.375,800 and E.1,765,350, California Coordinate System, Zone 2. Being within SW¼ of SE¼ of projected Section 23, T10N, R9W, MDB&M.
5	Point of Diversion to Offstream Storage at Reservoir "A" (Home Reservoir): Located N.376,300 and E.1,764,750, California Coordinate System, Zone 2. Being within SW¼ of SE¼ of projected Section 23, T10N, R9W, MDB&M.
A	Place of Storage (Home Reservoir) for Water Diverted at Points 2, 4 & 5: Being within SW¼ of SW¼, and SE¼ of SW¼ of projected Section 23, T10N, R9W, MDB&M.

Attachments to Accompany
Water Right Application
Robert Young Family Ltd. Partnership

Attachment #5

7. Place of Use

Use Within	Projected Section	Township	Range	B. & M.	Acres	Previously Cultivated
NE¼ of SW¼	23	T10N	R9W	M.D.	1	Yes
NW¼ of SE¼	23	T10N	R9W	M.D.	1	Yes
SE¼ of SW¼	23	T10N	R9W	M.D.	26	Yes
SW¼ of SE¼	23	T10N	R9W	M.D.	25	Yes
SE¼ of SE¼	23	T10N	R9W	M.D.	9	Yes
NW¼ of NW¼	25	T10N	R9W	M.D.	1	Yes
SW¼ of NW¼	25	T10N	R9W	M.D.	23	Yes
NW¼ of SW¼	25	T10N	R9W	M.D.	3	Yes
NE¼ of NW¼	26	T10N	R9W	M.D.	25	Yes
NW¼ of NE¼	26	T10N	R9W	M.D.	36	Yes
NE¼ of NE¼	26	T10N	R9W	M.D.	19	Yes
SW¼ of NW¼	26	T10N	R9W	M.D.	1	Yes
SE¼ of NW¼	26	T10N	R9W	M.D.	26	Yes
SW¼ of NE¼	26	T10N	R9W	M.D.	38	Yes
SE¼ of NE¼	26	T10N	R9W	M.D.	41	Yes
NE¼ of SE¼	26	T10N	R9W	M.D.	22	Yes
NW¼ of SE¼	26	T10N	R9W	M.D.	8	Yes
				Total	305	

ATTACHMENT TO ACCOMPANY
AMENDMENT TO
WATER RIGHT APPLICATION 31618
ROBERT YOUNG FAMILY LTD. PARTNERSHIP

As Amended:

Use Within	Projected Section	Township	Range	B. & M.	Acres	Previously Cultivated
NE¼ of SW¼	23	T10N	R9W	M.D.	1	Yes
NW¼ of SE¼	23	T10N	R9W	M.D.	1	Yes
SE¼ of SW¼	23	T10N	R9W	M.D.	26	Yes
SW¼ of SE¼	23	T10N	R9W	M.D.	25	Yes
SE¼ of SE¼	23	T10N	R8W	M.D.	9	Yes
NW¼ of NW¼	25	T10N	R9W	M.D.	1	Yes
SW¼ of NW¼	25	T10N	R9W	M.D.	23	Yes
NW¼ of SW¼	25	T10N	R9W	M.D.	3	Yes
NE¼ of NW¼	26	T10N	R9W	M.D.	25	Yes
NW¼ of NE¼	26	T10N	R9W	M.D.	36	Yes
NE¼ of NE¼	26	T10N	R9W	M.D.	19	Yes
SW¼ of NW¼	26	T10N	R9W	M.D.	3	Yes
SE¼ of NW¼	26	T10N	R9W	M.D.	26	Yes
SW¼ of NE¼	26	T10N	R9W	M.D.	38	Yes
SE¼ of NE¼	26	T10N	R9W	M.D.	41	Yes
NE¼ of SE¼	26	T10N	R9W	M.D.	22	Yes
NW¼ of SE¼	26	T10N	R9W	M.D.	8	Yes
				Total	305	

Stockwatering

Reservoir	Use Within	Section	Township	Range	B. & M.
#1	SW¼ of NW¼	25	T10N	R9W	M.D.
	SE¼ of NW¼	25	T10N	R9W	M.D.
#2	NE¼ of NE¼	26	T10N	R9W	M.D.
#3	SW¼ of SE¼	23	T10N	R9W	M.D.
	SE¼ of SW¼	23	T10N	R9W	M.D.
"A"	SW¼ of SW¼	23	T10N	R9W	M.D.
	SE¼ of SW¼	23	T10N	R9W	M.D.

Fire Protection

Reservoir	Use Within	Section	Township	Range	B. & M.
"A"	SW¼ of SW¼	23	T10N	R9W	M.D.
	SE¼ of SW¼	23	T10N	R9W	M.D.

Attachments to Accompany
Water Right Application
Robert Young Family Ltd. Partnership

Attachment #6
2.c Conduit from Diversion Point offstream storage reservoir

To/From	Conduit	Material	Cross Sectional Dimension	Length (ft.)	Total Lift or Fall	Capacity
POD #2 Res A	Pipe	PVC	12"	4,850'	-420	5 cfs
POD #4 Res A	Pipe	PVC	12"	1145'	-65'	5 cfs
	Ditch	Earth	2' X 3'	8020'		
POD #5 Res A	Pipe	PVC	12"	480'	-80'	5 cfs
	Ditch	Earth	2' X 3'	3020'		

Attachments to Accompany
Water Right Application
Robert Young Family Ltd. Partnership

Attachment #7
2.d Storage Reservoirs

Name or Number of Reservoir, if any	DAM				RESERVOIR		
	Vertical height From downstream Toe of slope to Spillway level (ft.)	Construction Material	Dam length (ft.)	Freeboard Dam height Above spillway Crest (ft.)	Approximate surface area when full (acres)	Approximate capacity (acre-feet)	Maximum water depth
1	24'	Earth	350'	6	3	49	23
2	24'	Earth	200'	6	1.75	35	28
3	16'	Earth	70'	4	.25	2	6
Offstream Res. A	15'	Earth	200' & 550'*	4	5.5	70	17
					Total	186	

* Reservoir has a 2 sided dam

Attachments to Accompany
Water Right Application
Robert Young Family Ltd. Partnership

Attachment #8
2.e Outlet Pipe

Name of Reservoir	Diameter of Outlet pipe (inches)	Length of Outlet pipe (feet)	FALL (Vertical distance between entrance and exit of outlet pipe in feet)	HEAD (Vertical distance from spillway to outlet pipe in reservoir in feet)	Estimated storage below outlet pipe entrance (dead storage)
POD #1 - Squibb	2"	165'	1'	20'	1 acre-foot
POD #2 – Warner	2"	165'	1'	21'	1 acre-foot
POD #3 – Small	Reservoir holds under 10 acre-feet and was not constructed with an outlet pipe.				
Offstream Res. A	Reservoir is offstream. Dewatering will be accomplished by pumping.				

ATTACHMENT 4

Estimate of Water Availability to Accompany Water Right Application by Robert Young (Home Ranch)

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 is within the watershed of an unnamed stream tributary to the Russian River in Sonoma County (see attached map). According to State Water Resources Control Board Order WR 98-08, there is no fully appropriated limitation on the subject watershed. The Application proposes a diversion season of November 1 to June 1, 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.

The attached map shows the proposed points of diversion and the watershed areas tributary thereto. The map also shows line of equal mean annual runoff as shown on the map included with the document entitled *Mean Annual Runoff in the San Francisco Bay Region, California, 1931-70 by S.E. Rantz, 1974.*[1] An excerpt of this map is attached (Rantz map).

The weighted mean annual runoff for the watersheds tributary to the proposed points of diversion was computed based on the Rantz map. Mean *seasonal* runoff for the subject watersheds was estimated by adjusting the mean annual runoff assuming that the ratio of seasonal to annual runoff is identical to the ratio of seasonal to annual mean precipitation. The Healdsburg precipitation station was used for this purpose. The resulting seasonal runoff value was adjusted by deducting the *face value* of any senior water rights in the watershed above the proposed points of diversion.

Calculations for the foregoing methodology are attached for POD 1, POD 2, POD 3 and the combined sources for filling off-stream Reservoir A. These calculations show the following:

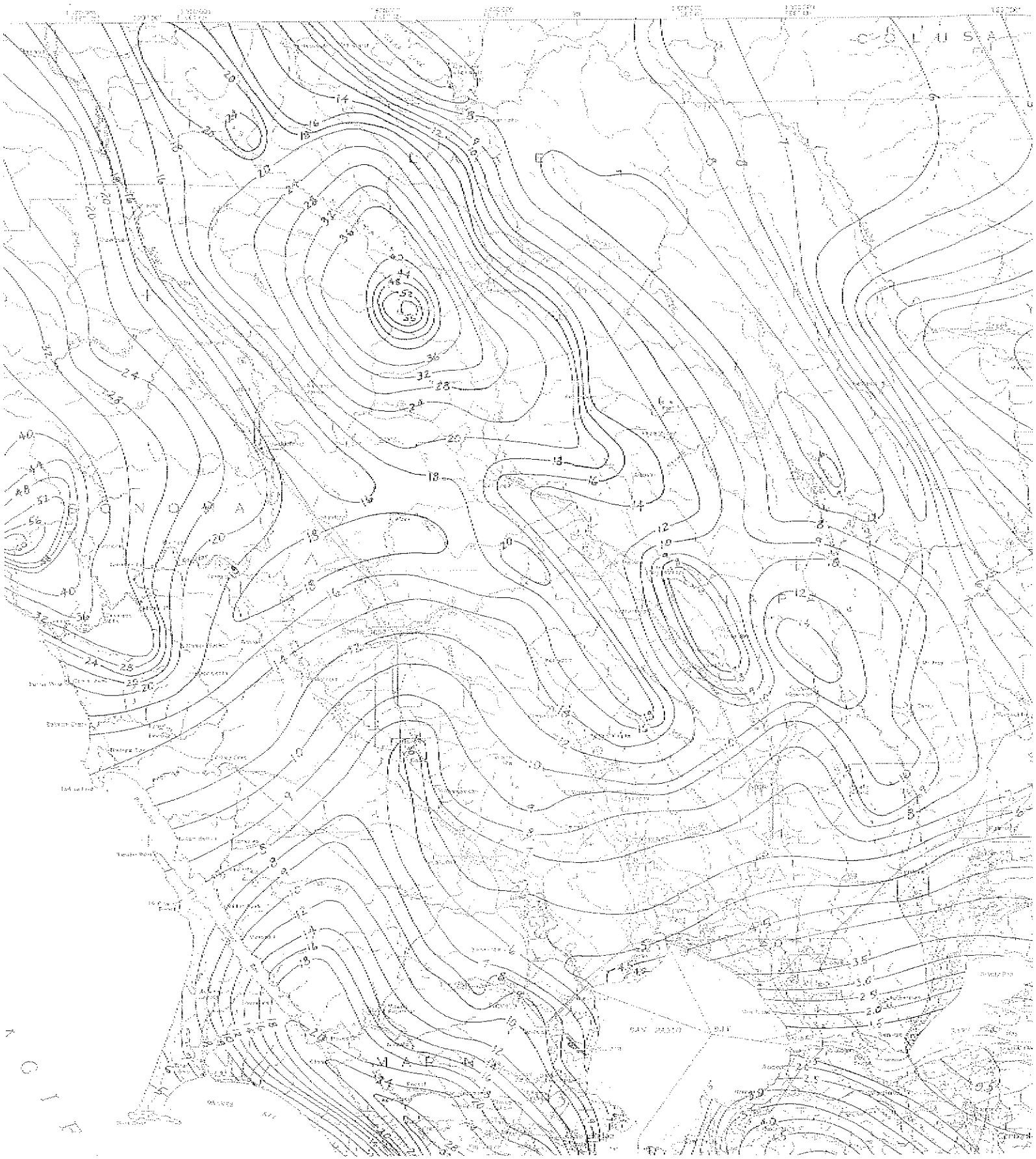
Location	Estimated Runoff Available (af)	Proposed Diversion (af)	Net Runoff Remaining In Stream (af)
POD 1	302	49	252
POD 2	636	35	601
POD 3	19	2	17
Combined sources for Off-stream Reservoir A	651	70	581

Based on the foregoing, it is reasonable to conclude that water is available for the subject Application.

RYFP001L.doc

[1] USGS Miscellaneous Field Studies Map MF-613, prepared in cooperation with the California Department of Water Resources.

Prepared in cooperation with the
CALIFORNIA DEPARTMENT OF WATER RESOURCES



Robert Young - Home Ranch
Calculation of Weighted Mean Annual Runoff in POD Watersheds

Watershed	Area (ac)	Mean Annual Runoff (in)	Volume (ac-in)	Volume (ac-ft)
POD1				
	14.9	23.6	352	29
	141.3	25.2	3,561	297
Total	156.2		3,912	326
Weighted Average		25.0		
POD2				
	498.1	25.8	12,851	1,071
	63.7	23.6	1,503	125
Total	561.8		14,354	1,196
Weighted Average		25.6		
POD3				
	11.3	22.0	249	21
Total	11.3		249	21
Weighted Average		22.0		
POD 2, 4, 5, & Reservoir "A"				
	498.1	25.8	12,851	1,071
	63.7	23.6	1,503	125
	17.8	22.7	404	34
	4.2	22.4	94	8
	11.0	20.5	226	19
Total	594.8		15,078	1,256
Weighted Average		25.3		

Water Right Application by Robert Young (Home Ranch)
Estimate of Water Availability

Point of Diversion #1

Monthly Precipitation[1]

HEALDSBURG, CALIFORNIA

Month	Mean Precipitation (in)
October	2.24
November	5.35
December	8.05
January	8.94
February	7.42
March	5.45
April	2.59
May	1.11
June	0.31
July	0.04
August	0.13
September	0.38
Annual	**42.01**

Mean Precipitation for requested diversion season (11/1 - 6/1):	38.91 in
Precipitation during requested diversion season as a percentage of total precipitation:	92.62%
Mean Annual Runoff[2][3]:	25.0 in
Estimated Mean Seasonal Runoff[3]:	23.2 in
Watershed Area at POD #1:	156.2 ac

Total Estimated Mean Seasonal Runoff at POD #1:	302.0 ac-ft
Senior Diverters of Record within POD #2 watershed:	n/a
Total water available at POD #2:	302.0 ac-ft
Requested diversion amount:	49.0 ac-ft
Total Seasonal Amount Remaining in Stream After Diversion:	253.0 ac-ft

Notes:

[1] Source: Western Regional Climate Center website, http://www.wrcc.dri.edu/summary/climsmca.html

[2] *Mean Annual Runoff in the San Francisco Bay Region, California, 1951-70 (Miscellaneous Field Studies Map MF-613)*, by S.E. Rantz, 1974.

[3] Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation.

Water Right Application by Robert Young (Home Ranch)
Estimate of Water Availability

Point of Diversion #2

Monthly Precipitation[1]

HEALDSBURG, CALIFORNIA

Month	Mean Precipitation (in)
October	2.24
November	5.35
December	8.05
January	8.94
February	7.42
March	5.45
April	2.59
May	1.11
June	0.31
July	0.04
August	0.13
September	0.38
Annual	**42.01**

Mean Precipitation for requested diversion season (11/1 - 6/1):	38.91 in
Precipitation during requested diversion season as a percentage of total precipitation:	92.62%
Mean Annual Runoff:[2]	25.6 in
Estimated Mean Seasonal Runoff:[3]	23.7 in
Watershed Area at POD #2:	561.8 ac

Total Estimated Mean Seasonal Runoff for POD #2:	1109.6 ac-ft
Senior Diverters of Record within POD #1 & #2 watershed (face value):	
A029706 - Jackson Family Investments (10/1 - 5/1):	425.0 ac-ft
A029708 - Jackson Family Investments (10/1 - 5/1):	49.0 ac-ft
Total water available at POD #2:	635.6 ac-ft
Requested diversion amount:	35.0 ac-ft
Total Seasonal Amount Remaining in Stream After Diversion:	600.6 ac-ft

Notes:

[1] Source: Western Regional Climate Center website, http://www.wrcc.dri.edu/summary/climsmnca.html

[2] *Mean Annual Runoff in the San Francisco Bay Region, California, 1931-70 (Miscellaneous Field Studies Map MF-613)*, by S. E. Rantz, 1974.

[3] Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation.

Water Right Application by Robert Young (Home Ranch)
Estimate of Water Availability

Point of Diversion #3

Monthly Precipitation[1]

HEALDSBURG, CALIFORNIA

Month	Mean Precipitation (in)
October	2.24
November	5.35
December	8.05
January	8.94
February	7.42
March	5.45
April	2.59
May	1.11
June	0.31
July	0.04
August	0.13
September	0.38
Annual	42.01

Mean Precipitation for requested diversion season (11/1 - 6/1):	38.91 in
Precipitation during requested diversion season as a percentage of total precipitation:	92.62%
Mean Annual Runoff:[2]	22.0 in
Estimated Mean Seasonal Runoff:[3]	20.4 in
Watershed Area at POD #3:	11.3 ac

Total Estimated Mean Seasonal Runoff at POD #3:	19.2 ac-ft
Senior Diverters of Record within POD #2 watershed:	n/a
Total water available at POD #2:	19.2 ac-ft
Requested diversion amount:	2.0 ac-ft
Total Seasonal Amount Remaining in Stream After Diversion:	17.2 ac-ft

Notes:

[1] Source: Western Regional Climate Center website, http://www.wrcc.dri.edu/summary/climsmnca.html

[2] *Mean Annual Runoff in the San Francisco Bay Region, California, 1931-57 (Miscellaneous Field Studies Map MF-113)*, by S.E. Rantz, 1974.

[3] Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation

Water Right Application by Robert Young (Home Ranch)
Estimate of Water Availability

Filling of Reservoir "A" from Points of Diversion #2, #4, #5, and Reservoir "A" Watersheds

Monthly Precipitation[1]

HEALDSBURG, CALIFORNIA

Month	Mean Precipitation (in)
October	2.24
November	5.35
December	8.05
January	8.94
February	7.42
March	5.45
April	2.59
May	1.11
June	0.31
July	0.04
August	0.13
September	0.38
Annual	**42.01**

Mean Precipitation for requested diversion season (11/1 - 6/1):	38.91 in
Precipitation during requested diversion season as a percentage of total precipitation:	92.62%
Combined Mean Annual Runoff:[2]	25.3 in
Estimated Mean Seasonal Runoff:[3]	23.4 in
Combined Watershed Area for PODs #2, #4, #5, and Reservoir "A":	594.8 ac

Total Estimated Mean Seasonal Runoff at PODs #2, #4, #5, and Reservoir "A":	1159.9 ac-ft
Senior Diverters of Record within watersheds (face value):	
A029706 - Jackson Family Investments (10/1 - 5/1):	425.0 ac-ft
A029708 - Jackson Family Investments (10/1 - 5/1):	49.0 ac-ft
Subtotal water available:	685.9 ac-ft
Deduct Diversion at POD #2:	35.0 ac-ft
Subtotal water available:	650.9 ac-ft
Requested diversion amount:	70.0 ac-ft
Total Seasonal Amount Remaining in Stream After Diversion:	580.9 ac-ft

Notes:

[1] Source: Western Regional Climate Center website, http://www.wrcc.dri.edu/summary/climsmnca.html

[2] *Mean Annual Runoff in the San Francisco Bay Region, California, 1931-70 (Miscellaneous Field Studies Map MF-673)*, by S.E. Rantz, 1974.

[3] Estimated mean seasonal runoff is computed by multiplying mean annual runoff by percent seasonal precipitation