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.water_rights.ca.gov

APPLICATION TO APPROPRIATE WATER

1. APPLICANT/AGENT

<table>
<thead>
<tr>
<th>FIELD</th>
<th>NAME/ADDRESS/CONTACT INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICANT</td>
<td>F. Korbel and Bros., Inc. c/o Rachel Gloseffi</td>
</tr>
<tr>
<td>ASSIGNED AGENT</td>
<td>Drew L. Aspegren, P.E. Napa Valley Vineyard Engineering Inc.</td>
</tr>
<tr>
<td>Mailing Address</td>
<td>1350 A Airport Blvd.</td>
</tr>
<tr>
<td>City, State &amp; Zip</td>
<td>Santa Rosa, CA 95402</td>
</tr>
<tr>
<td>Telephone</td>
<td>(101) 544-5499</td>
</tr>
<tr>
<td>Fax</td>
<td>(101) 963-4427</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:Rgloseffi@korbel.com">Rgloseffi@korbel.com</a></td>
</tr>
</tbody>
</table>

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

- [ ] Sole Owner
- [ ] Limited Partnership*
- [X] Corporation

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.) Add additional pages if needed and check box below and label as an attachment.

This is an existing project, which consists of an onstream water storage reservoir (POD #1) with a capacity of ±15 AF (South Reservoir), an offstream reservoir with a capacity of ±10 AF (North Reservoir), a POD on an unnamed stream, and a POD on Livereau Creek. Water diverted from Livereau Creek (POD #2) is pumped to storage in South Reservoir, and a weir and pipe in the unnamed stream (POD #3) diverts water by gravity into North Reservoir. Water stored in the reservoirs is used for irrigation and frost protection of ±30 acres of existing vineyard. All project components are existing, however, the diversion facilities in Livereau Creek and the unnamed stream have been temporarily abandoned pending issuance of an appropriative permit. Additionally, the small drainage that flows into South Reservoir will be temporarily routed around the reservoir and into Livereau Creek. Groundwater will be used to fill the reservoirs until the permit is issued.

- For continuation, see Attachment No. ___

APP 09/2008
4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

<table>
<thead>
<tr>
<th>PURPOSE OF USE (irrigation, domestic, etc.)</th>
<th>DIRECT DIVERSION</th>
<th>STORAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AMOUNT</td>
<td>SEASON OF DIVERSION</td>
</tr>
</tbody>
</table>
| Rate (cfs or gpd)* Acre-feet per annum    | Beginning date (month & day) | Ending date (month & day) | Beginning date (month & day) | Ending date (month & day)
| Irrigation                                |                  | 25 Dec. 15 | Mar. 31 |
| Frost Protection                          |                  |            |        |

Total afa 25

☐ 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 25 acre-feet.

c. Reservoir storage is: ☐ onstream ☐ offstream ☐ underground (If underground storage, attach Underground Storage Form.)

d. County in which diversion is located: Sonoma County in which water will be used: Sonoma

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

☐ POD / ☐ PORD #: Unnamed Stream tributary to Liveraeu Creek, then to Russian River

☐ POD / ☐ PORD #: Liveraeu Creek tributary to Russian River

☐ POD / ☐ PORD #: Unnamed Stream tributary to Liveraeu Creek, then to Russian River

☐ POD / ☐ PORD #: Liveraeu Creek to Russian River

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

☐ See Attachment No. ___

b. State Planar and Public Land Survey Coordinate Description:

<table>
<thead>
<tr>
<th>POD/PORD #</th>
<th>CALIFORNIA COORDINATES (NAD 83)</th>
<th>ZONE</th>
<th>POINT IS WITHIN (40-acre subdivision)</th>
<th>SECTION</th>
<th>TOWNSHIP</th>
<th>RANGE</th>
<th>BASE AND MERIDIAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>POD/PORD #1</td>
<td>N 1,947,134 E 6,214,161</td>
<td>2</td>
<td>SW ¼ of SE ¼</td>
<td>30</td>
<td>8N</td>
<td>10W</td>
<td>MD</td>
</tr>
<tr>
<td>POD #2</td>
<td>N 1,947,132 E 6,214,224</td>
<td>2</td>
<td>SE ¼ of SE ¼</td>
<td>30</td>
<td>8N</td>
<td>10W</td>
<td>MD</td>
</tr>
<tr>
<td>POD #3</td>
<td>N 1,949,941 E 6,212,445</td>
<td>2</td>
<td>SW ¼ of NE ¼</td>
<td>30</td>
<td>8N</td>
<td>10W</td>
<td>MD</td>
</tr>
</tbody>
</table>

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: Guerneville
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. __

   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
      ☒ Percolating groundwater
      ☐ See Attachment No. __

7. PLACE OF USE
   a. USE IS WITHIN
      (40-acre subdivision)
            SECTION* TOWNSHIP RANGE        BASE & MERIDIAN IF IRRIGATED
            Acres Presently cultivated:
            ☐ YES ☐ NO
            ¼ of ¼
            ¼ of ¼
            ¼ of ¼
            ¼ of ¼
            ¼ of ¼
            ¼ of ¼
            ¼ of ¼
            ¼ of ¼
            ¼ of ¼
            Total Acres:

   *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:
   Sonoma County: 069-140-021, 069-250-003, 016, 018, 070-010-001, 070-010-002

8. PROJECT SCHEDULE
   a. Project is: ☐ proposed. Year construction will begin: ____________________________
      ☐ partially complete. Extent of completion: ______________________________________
      ☒ complete. Year completed: 2002
   b. Year of first use: unknown Year water will be used to the full extent intended: complete

9. JUSTIFICATION OF AMOUNTS REQUESTED
   a. ☒ IRRIGATION: Maximum area to be irrigated in any one year: 40 acres.
CROP          ACRES          METHOD OF IRRIGATION (sprinklers, flooding, etc.)   WATER USE (Acre-feet/yr.)  SEASON OF WATER USE
Wine Grapes  40             Drip          *45 AF                                May 15                      Sept. 30

☐ See Attachment No. — *Groundwater is used in conjunction with surface water.

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

c. ☐ STOCKWATERING: Kind of stock: ____________ Maximum number: ____________
   Describe type of operation: ____________________________________________ (feedlot, dairy, range, etc.)

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

e. ☐ MUNICIPAL:

<table>
<thead>
<tr>
<th>POPULATION</th>
<th>MAXIMUM MONTH</th>
<th>ANNUAL USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>List for 5-year periods until use is completed</td>
<td>Average daily use (gallons per capita)</td>
<td>Rate of diversion (cfs)</td>
</tr>
<tr>
<td>Period</td>
<td>Population</td>
<td></td>
</tr>
<tr>
<td>Present</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

☐ See Attachment No. ___

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

f. ☐ HEAT CONTROL: Area to be heat controlled: ____________ net acres
   Type of crops protected:
   Rate at which water is applied to use: ____________________ gallons per acre
   Heat protection season will begin ____________________ and end ____________________.

  ☐ FROST PROTECTION: Area to be frost protected: ____________ net acres
  Type of crops protected: ____________
  Rate at which water is applied to use: ____________________ gallons per acre
  The frost protection season will begin ____________________ and end ____________________.

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

  ☐ MINING: Name of the claim: ____________________ ☐ Patented ☐ Unpatented
Nature of the mine:__________________________ Mineral(s) to be mined:__________________________

Type of milling or processing:________________________________________________________

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 x 8.8):
   Electrical capacity (hp x 0.746 x efficiency):
   After use, the water will be discharged into__________________________ (watercourse)
   in _______ ¼ of _______ ¼ of Section ________, T___________, R___________, B & M.

k. □ FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and
   habitat type that will be preserved or enhanced:

l. □ OTHER: Describe use:
   Basis for determination of amount of water needed:

10. DIVERSION AND DISTRIBUTION METHOD

a. Diversion will be by gravity by means of:   Dam (POD #1), Weir (POD #2)
   (dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)

b. Diversion will be by pumping from:   Livermore Creek (POD #2)
   (sump, offset well, channel, reservoir, etc)
   Pump discharge rate: ________ l cfs or gpd
   Pump Efficiency: 65%
   Horsepower: 15

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

<table>
<thead>
<tr>
<th>CONDUIT (pipe or channel)</th>
<th>MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)</th>
<th>CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)</th>
<th>LENGTH (feet)</th>
<th>TOTAL LIFT OR FALL (feet)</th>
<th>CAPACITY (cfs, gpd or gpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipe PVC</td>
<td>12&quot;</td>
<td>±370'</td>
<td>15'</td>
<td>-</td>
<td>1 cfs</td>
</tr>
<tr>
<td>Pipe PVC</td>
<td>12&quot;</td>
<td>±40'</td>
<td>25'</td>
<td>+</td>
<td>2 cfs</td>
</tr>
</tbody>
</table>

See Attachment No. ____________

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

<table>
<thead>
<tr>
<th>RESERVOIR</th>
<th>DAM</th>
<th>RESEVOIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAME OR NUMBER</td>
<td>Vertical height from downstream toe of slope to spillway level (feet)</td>
<td>Surface area when full (acres)</td>
</tr>
<tr>
<td>South Reserv.</td>
<td>±12'</td>
<td>±2</td>
</tr>
<tr>
<td>North Reserv.</td>
<td>±12'</td>
<td>±1.7</td>
</tr>
</tbody>
</table>

See Attachment No. ____________
e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

<table>
<thead>
<tr>
<th>RESERVOIR NAME OR NUMBER</th>
<th>OUTLET PIPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>South Resv</td>
<td>(none)</td>
</tr>
<tr>
<td>North Resv</td>
<td>(offstream)</td>
</tr>
</tbody>
</table>

☐ 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 _______ 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

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 will be installed in the reservoirs. Meters will be installed at the diversion facilities, and on the irrigation/frost protection pipelines, where appropriate.

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: N/A

☐ 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. N/A

☐ 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:

☐ See Attachment No. __

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. __

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: ______________ Date of contact: ______________
Department: ______________ Telephone: ______________
County Zoning Designation: ______________

☐ 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. N/A

☐ 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
         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    | 1600        | none                |              |               |

      ☐ 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. ___

   d. 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:
      ____________________________________________________________
      ____________________________________________________________
      ____________________________________________________________
      ☐ See Attachment No. ___

   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: ___________________________

   □ See Attachment No.__

   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 Photos on file with SWRCB in conjunction with reservoir investigation.
   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.__

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.

MELANIA SANCHEZ
Signature of Applicant

V.P. VINEYARD
Title or Relationship

8-13-12
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
### Attachment 1

**PLACE OF USE**

<table>
<thead>
<tr>
<th>USE IS WITHIN</th>
<th>SECTION</th>
<th>TOWNSHIP</th>
<th>RANGE</th>
<th>BASE &amp; MERIDIAN</th>
<th>ACRES</th>
<th>Presently Cultivated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>SW 1/4 OF SE 1/4</td>
<td>19</td>
<td>QN</td>
<td>IW</td>
<td>MD</td>
<td>1.0</td>
<td>☑️ YES ☐ NO</td>
</tr>
<tr>
<td>SE 1/4 OF SE 1/4</td>
<td>19</td>
<td>QN</td>
<td>IW</td>
<td>MD</td>
<td>1.5</td>
<td>☑️ YES ☐ NO</td>
</tr>
<tr>
<td>NW 1/4 OF NE 1/4</td>
<td>30</td>
<td>BN</td>
<td>IW</td>
<td>MD</td>
<td>22.0</td>
<td>☑️ YES ☐ NO</td>
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<tr>
<td>NE 1/4 OF NE 1/4</td>
<td>30</td>
<td>BN</td>
<td>IW</td>
<td>MD</td>
<td>10.0</td>
<td>☑️ YES ☐ NO</td>
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<tr>
<td>SW 1/4 OF NE 1/4</td>
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<td>IW</td>
<td>MD</td>
<td>17.0</td>
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<td>SE 1/4 OF NE 1/4</td>
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<td>IW</td>
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<tr>
<td>NW 1/4 OF SE 1/4</td>
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<td>NE 1/4 OF SE 1/4</td>
<td>30</td>
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<td>IW</td>
<td>MD</td>
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<td>☑️ YES ☐ NO</td>
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<tr>
<td>SE 1/4 OF SE 1/4</td>
<td>30</td>
<td>BN</td>
<td>IW</td>
<td>MD</td>
<td>10.5</td>
<td>☑️ YES ☐ NO</td>
</tr>
</tbody>
</table>

Total 90

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**Place Use**

- **Use is within**: SW 1/4 of SE 1/4, SE 1/4 of SE 1/4, NW 1/4 of NE 1/4, NE 1/4 of NE 1/4, SW 1/4 of NE 1/4, SE 1/4 of NE 1/4, NW 1/4 of SE 1/4, NE 1/4 of SE 1/4, SE 1/4 of SE 1/4.
- **Section**: 19, 19, 30, 30, 30, 30, 30, 30, 30.
- **Township**: QN, QN, BN, BN, BN, BN, BN, BN, BN.
- **Range**: IW, IW, IW, IW, IW, IW, IW, IW, IW.
- **Base & Meridian**: MD, MD, MD, MD, MD, MD, MD, MD, MD.
- **Acres**: 1.0, 1.5, 22.0, 10.0, 17.0, 4.0, 3.5, 20.5, 10.5.
- **Presently Cultivated?**: Yes, Yes, Yes, Yes, Yes, Yes, Yes, Yes, Yes.
ATTACHMENT 2
Water Availability-Korbel Laughlin Vineyard
July 30, 2012

To demonstrate the reasonable likelihood that unappropriated water is available for diversion, streamflow during the requested diversion season (December 15 thru March 31) is estimated at POD #2 and POD #3 by prorating USGS streamflow data at the gage on Salmon Creek at Bodega Bay, CA (USGS 11460920). South Reservoir collects a small amount of direct runoff (POD #1); however, water pumped from Livereau Creek (POD #2) is the primary source of water stored in South Reservoir, and this analysis assumes the full capacity is diverted at POD #2. Gage data used in this analysis, and shown on Table 1, represents 14 years of record (October 1961 through September 1975). The following formula is used:

\[ Q_2 = Q_1 \times \left( \frac{A_2}{A_1} \right) \times \left( \frac{l_2}{l_1} \right) \]

Where
- \( Q_2 \) = Seasonal Flow (AF) @ POD
- \( Q_1 \) = Seasonal Flow (AF) @ gage
- \( A_2 \) = Watershed area (acres) above POD
- \( A_1 \) = Watershed area (acres) above gage
- \( l_2 \) = Precipitation (inches) above POD
- \( l_1 \) = Precipitation (inches) above gage

Seasonal Unimpaired Flow @ POD #2:

\[ Q_1 = 14,256 \text{ AF} \]
\[ A_2 = 872.4 \text{ ac.} \]
\[ A_1 = 10,048 \text{ ac.} \]
\[ l_2 = 53 \text{ in.} \]
\[ l_1 = 41.2 \text{ in.} \]
\[ Q_2 = 14,256 \times \frac{872.4}{10,048} \times \frac{53}{41.2} \]
\[ Q_2 = 1,592.3 \text{ AF} \]

Seasonal Unimpaired Flow @ POD #3:

\[ Q_1 = 14,256 \text{ AF} \]
\[ A_2 = 61.3 \text{ ac.} \]
\[ A_1 = 10,048 \text{ ac.} \]
\[ l_2 = 51 \text{ in.} \]
\[ l_1 = 41.2 \text{ in.} \]
\[ Q_2 = 14,256 \times \frac{61.3}{10,048} \times \frac{51}{41.2} \]
\[ Q_2 = 107.7 \text{ AF} \]
There are no diversions in the watersheds above the PODs. The application seeks diversion of 15 AF per annum from POD #2 (combined with the direct runoff from POD #1), and 10 AF per annum from POD #3. This analysis predicts a supply of 1,592.3 AF per annum at POD #2, and 107.7 AF per annum at POD #3. It is reasonable to conclude that unappropriated water is available for diversion.