

DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

Tony Linegar
Agricultural Commissioner
Sealer of Weights and Measures



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sonomacounty.ca.gov/Ag-comm/

FROST PROTECTION ORDINANCE REQUIREMENTS AND REGISTRATION INSTRUCTIONS

OVERVIEW OF COUNTY PROGRAM

All vineyard/orchard sprinkler frost protection systems within the Russian River Watershed must be registered with the Department of Agriculture prior to use. **Registration must be amended within 30 days following any change to the vineyard/orchard sprinkler frost protection system, or to the ownership or control of the site.** Annual registration is not required if there are no changes.

To find out if your system falls within the Russian River Watershed, please reference page 4 or visit http://www.sonoma-county.org/agcomm/frost_protection.htm to find a map that outlines the Watershed.

A separate registration is required for each site. A “site”, for purposes of a vineyard/orchard sprinkler frost protection system, is defined as a parcel or contiguous parcels if under single ownership or control.

NEW OR AMENDED REGISTRATION REQUIREMENTS

1. Complete two page frost protection registration form, including the frost protection system inventory (see instructions below).
2. An aerial map of site with frost protection system components noted as specified below. An aerial map can be created and printed from Google maps at <http://maps.google.com/maps>. A color map is preferred, but not required. For amendments, registrants may modify, date, and initial existing map if information remains clear. See pages 3 – 4 for instructions and specific map requirements.
3. Fee of \$64.00. This fee is charged for new and amended registrations. If frost protection systems exclusively use treated waste water, the fee is waived.

REGISTRATION INSTRUCTIONS – PAGE 1

- Check *New Registration* if this is the first time the site has been registered for frost protection by the current or previous owner/operator. Check *Amend Registration* to make changes to an existing registration.
- Please provide complete contact information for the property owner, including name, DBA, mailing address, phone number(s), fax number (if applicable), and email address.
- If the authorized representative is the same as owner, please note *SAME AS ABOVE*. If authorized representative is different than owner, please provide complete contact information for representative.
- Please provide site information, including complete site address, assessor’s parcel number(s), corresponding pesticide permit site ID number (if applicable), total frost protected acreage, and participation in a state approved water demand management program.
 - Assessor’s parcel number (APN): as indicated on the assessor’s tax roll for the site(s) to be registered. The APN must match the APN listed on the frost protection system inventory on page 2 of registration form.
 - Corresponding pesticide site ID number: obtained from your pesticide use permit for the site(s). A frost protection site may include more than one permit site number, as long as it is a parcel or contiguous parcels under single ownership or control.
 - Total frost acreage: fill in the total amount of vineyard/orchard acreage under sprinkler frost protection on site(s). Acreage must match acreage listed as protected on the frost protection system inventory on page two of registration form.
 - State approved water demand management program (SWDMP): in reference to the state regulations adopted in 2011. The regulation require frost protection water users in the Russian River Watershed to enroll in a SWDMP. If you are part of or have SWDMP, check *YES* and indicate the name of the

group/program. For more information about the requirements and status of the state regulation, please visit the State Water Resources Control Board at http://www.waterboards.ca.gov/waterrights/water_issues/programs/hearings/Russian_river_frost/prtctn_reg.shtml.

- Certification and signature: the property owner/operator or their authorized representative is required to sign the application. Please be sure to print, sign, date, and check *Owner* or *Authorized Representative*.
- The fee, if applicable, must be paid when submitting the registration form. Our office currently accepts cash, credit (Visa or Mastercard), and/or check (made payable to Sonoma County Department of Agriculture) as payment.

INVENTORY INSTRUCTIONS – Page 2

- Check *Vineyard* or *Orchard* to describe protected crop.
- Registration #: AFM will be assigned by the Department of Agriculture.
- Assessor's parcel number (APN): as indicated on the assessor's tax roll for the site(s) to be registered.

SYSTEM TYPE – refers to type of sprinklers used to emit water for frost protection.

- Enter number of acres protected by type (sprinkler and/or micro sprinkler). The total number of acres protected entered by type should match the total frost protected acreage listed on page 1.
- Gallons per Acre per Minute: indicate the rate of water through your sprinklers in gallons per acre per minute.

FROST PUMPING SYSTEMS

- Map ID #: assign a number (1, 2, 3, etc.) corresponding with the map to identify pump location. For instructions on obtaining/printing a map from the internet, please see instructions below under "Completing the Aerial Map".
- Number of Acres Protected: indicate the total amount of acreage protected by each pumping system.

STORAGE TYPE – refers to how water used for frost protection is stored. If water is not stored for this purpose, please enter "N/A". Storage types listed include "Reservoir/Pond", "Offsite" (water stored on a different site than where used and registered), and "Tank". If the frost system uses water from a different type of storage not listed, please describe source.

- Map ID #: assign a number to storage type(s), following the last number used above for frost pumping systems, corresponding with the map to identify storage location.
- Acre Feet: indicate the quantity of water stored in acre feet.
- Recharge Rate: indicate the quantity (gallons, etc.) of water per unit of time (minutes, hours, etc.) that replenishes the storage.
- Source: indicate the source of stored water (river, stream, well, etc.).

SOURCE OF WATER – refers to water source used to fill reservoir/pond/tank or is directly tied to frost protection sprinkler system. Sources included "Recycled Water" (treated waste water), "Direct Diversion from River or Stream", "Shared System" (water system is from different site than where used and registered), "Sub Surface" (water collected from a sump/French drain), and "Well". If the frost system uses water from a different type of source not listed, please describe source.

- Map ID #: assign a number to type of water source, following the last number used above for frost storage type, corresponding with the map to identify water source.
- Gallons per Minute: indicate the rate of water flow for all sources of water used in the frost protections system.
- For wells, indicate the gallons per minute rating of the well pump, depth of pump setting in feet, and the distance from the nearest stream in feet.

COMPLETING THE AERIAL MAP / BASE MAP

Each registration form must have an aerial map (photo) of the site attached. You can create and print your map from Google maps (<http://maps.google.com/maps?hl=en&tab=wl>). The map should be zoomed in enough to clearly see the location of the frost protection system components, shows the parcel location with visible street names, and any adjacent stream/river if applicable. Large sites may require more than one map. A color print is preferred, but not required. For amendments, if the information remains clear, registrants may modify an existing map by initialing and dating the change(s).

Each map must indicate the following:

- Name of property owner.
- Name of authorized representative.
- Site address.
- Assessor's parcel number.
- Area protected with frost protection system outlined or highlighted.
- Map ID numbers clearly marked identifying frost pumping system(s), water storage, and water sources.

SUBMITTING REGISTRATION FORM, MAP, AND FEE

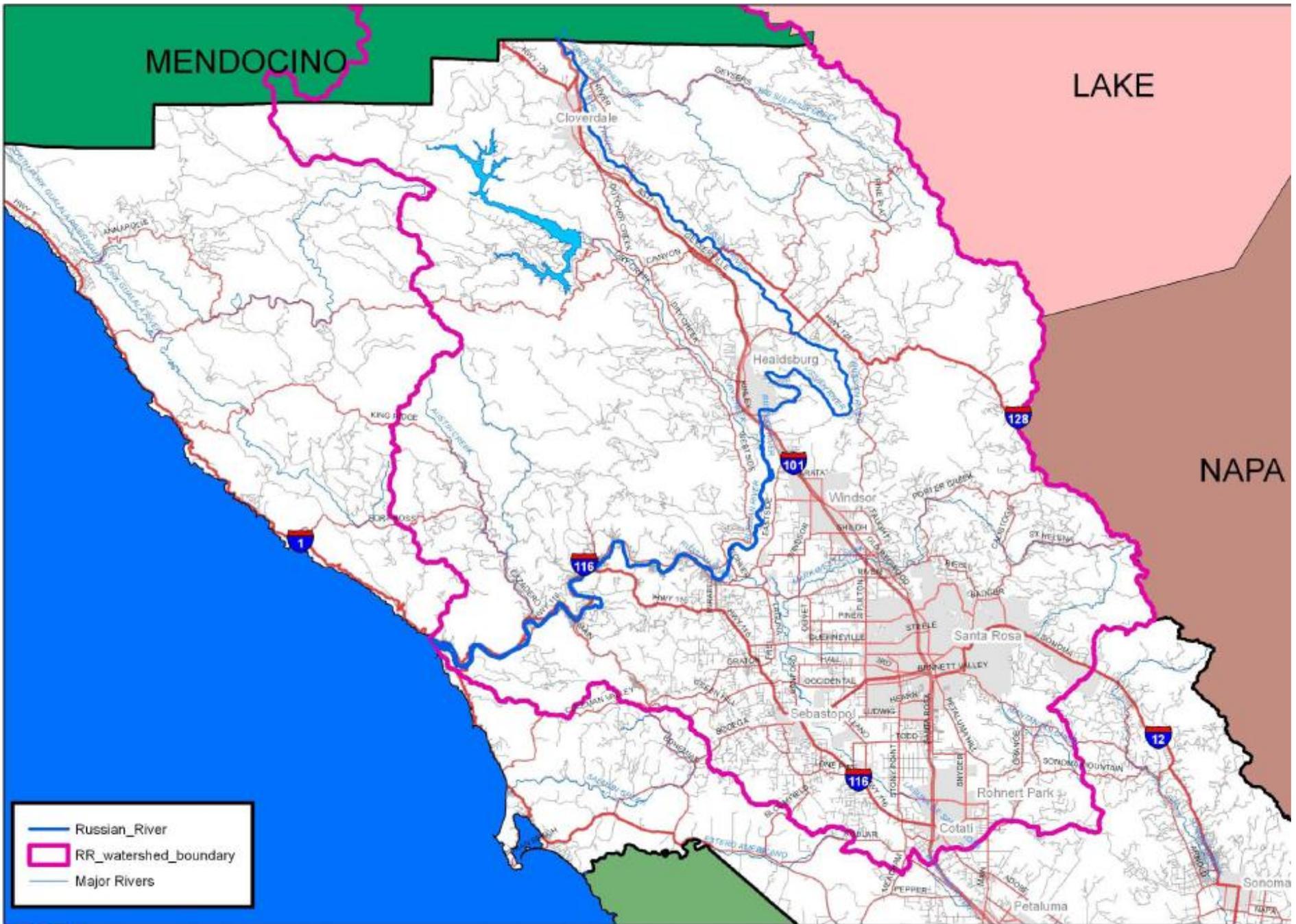
The completed registration packet, including registration form, map, and fee (if applicable), can be mailed or dropped off at our office:

Sonoma County Department of Agriculture
133 Aviation Boulevard, Suite 110
Santa Rosa, CA 95403

Please retain a copy of the registration packet for your records.

Please contact our office with any questions or for additional information:

Sonoma County Department of Agriculture
133 Aviation Boulevard, Suite 110
Santa Rosa, CA 95403
Phone: (707) 565-2371
Fax: (707) 565-3850
Email: sonomaag@sonoma-county.org
Web: <http://www.sonoma-county.org/agcomm>
Business Hours: 8:00 am – 12:00 pm and 1:00 pm – 4:00 pm, Monday through Friday



Prepared by the Sonoma County
Agricultural Commissioner's Office
01-14-2011



Vineyard & Orchard Frost Protection- Sonoma County

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VINEYARD & ORCHARD FROST PROTECTION REGISTRATION

Registration only required if located within the Russian River Watershed and using water for frost protection. Incomplete or faxed registrations will not be accepted. Registration must include aerial map of the site. Please do not leave blank spaces – enter N/A if needed. One form per site to be registered or amended. For amendments, provide the existing registration number, aerial map, and updated information. **Registration fee of \$64 is required at time of initial registration and amendment due to change in the frost system or owner/operator. No fee required if water source is exclusively from treated waste water.** For additional information and detailed instructions, please visit: http://www.sonoma-county.org/agcomm/frost_protection.htm.

| OFFICE USE ONLY | | (04/17/2015) |
|---|-----------------------|--------------|
| Date Received: | _____ / _____ / _____ | |
| Reg/Amend Date: | _____ / _____ | |
| Registered Loc: | _____ | |
| Registration #: | AFM _____ - _____ | |
| REGISTRATION FEE: \$64 <input type="checkbox"/> Paid <input type="checkbox"/> Outstanding | | |

Check one: New Registration Amended Registration

PROPERTY OWNER: John Smith

DBA: Smith Family Vineyard

MAILING ADDRESS: PO Box 111

CITY: Geyserville STATE: CA ZIP: 95441

PHONE: (707) 555-1111 FAX: (707) 555-1122 CELL: (707) 555-1133

EMAIL: john@email.com

AUTHORIZED REPRESENTATIVE (if different than owner above): Joseph Wilson

COMPANY: ABC Vineyard Managment

MAILING ADDRESS: PO Box 222

CITY: Healdsburg STATE: CA ZIP: 95448

PHONE: (707) 555-2211 FAX: (707) 555-2222 CELL: (707) 555-2233

EMAIL: joseph@email.com

SITE ADDRESS: 1234 Alexander Valley Road, Healdsburg, CA 95448

ASSESSOR'S PARCEL NUMBER(S): 808-065-030, 808-065-031

CORRESPONDING PESTICIDE PERMIT SITE ID #(S): 49-9999

TOTAL FROST PROTECTED ACREAGE: 80

ARE YOU PART OF A STATE APPROVED WATER DEMAND MANAGEMENT PROGRAM? YES NO

IF YES, PLEASE INDICATE GROUP AND/OR TRIBUTARY NAME: n/a

I CERTIFY THAT THE INFORMATION PROVIDED IS CORRECT AND VALID TO THE BEST OF MY KNOWLEDGE.

Print Name: Joseph Wilson Date: April 24, 2015

Signature: _____ Check one: Owner Authorized Representative

FROST PROTECTION SYSTEM INVENTORY

Label your attached aerial map with the map ID numbers you assign below (1, 2, 3, etc.). Use an additional sheet if additional wells, point of diversion (POD) or frost pumping systems are used per site. **DISCLAIMER: this registration is solely for the purpose of producing an inventory of frost protection systems. Additional permits and/or authorizations from other regulatory agencies may be required to divert or use water for frost protection.**

Check applicable: Vineyard Orchard Registration #: AFM _____ - _____ APN(s): 808-065-030, 808-065-031

SYSTEM TYPE (fill in all that apply):

| Type | # of Acres Protected | Gallons per Acre per Minute |
|-----------------|----------------------|-----------------------------|
| Sprinkler | 80 | 50 gallons/acre/minute |
| Micro Sprinkler | | |

SAMPLE

| Map ID # | | Number of Acres Protected |
|----------|-------------------------|---------------------------|
| 1 | Frost Pumping System(s) | 80 |
| | Frost Pumping System(s) | |

STORAGE TYPE (fill in all that apply):

| Map ID # | Storage Type | Acre Feet | Recharge Rate | Source (river, stream, well, etc.) |
|----------|----------------|-----------|---------------|------------------------------------|
| 2 | Reservoir/Pond | 37 | 140 GPM | Well & Sub-Surface Sump |
| | Offsite | | | |
| | Tank | | | |

SOURCE OF WATER (fill in all that apply):

| Map ID # | Type | Gallons per Minute (GPM) | | |
|----------|---------------------------------------|-------------------------------|----------------------|--------------------------------|
| | Recycled Water | | | |
| | Direct Diversion from River or Stream | | | |
| | Shared System (NOTE TYPE) | | | |
| 3 | Sub Surface (Sump/French Drain) | 50 GPM | | |
| | Surface Drainage | | | |
| | Other Water Source (NOTE TYPE) | | | |
| Map ID # | Type | GPM - from pump (pump rating) | Depth (pump setting) | Distance from stream (in feet) |
| 4 | Well | 90 GPM | 150 feet | 500 feet |
| | Well | | | |

AERIAL MAP REQUIRED. Attach map with frost protected area noting the following: highlighted vineyard, Assessor Parcel Number(s), frost pumps, water storage, and water sources marked using Map ID numbers from above.

Sample 1 – Aerial/Base Map Photo

Each map must indicate the following:

- ✓ Name of property owner.
- ✓ Name of authorized representative.
- ✓ Site address.
- ✓ Assessor's parcel number.
- ✓ Area protected with frost protection system outlined or highlighted.
- ✓ Map ID numbers clearly marked identifying frost pumping system(s), water storage, and water source.

Smith Family Vineyard

Owner: John Smith

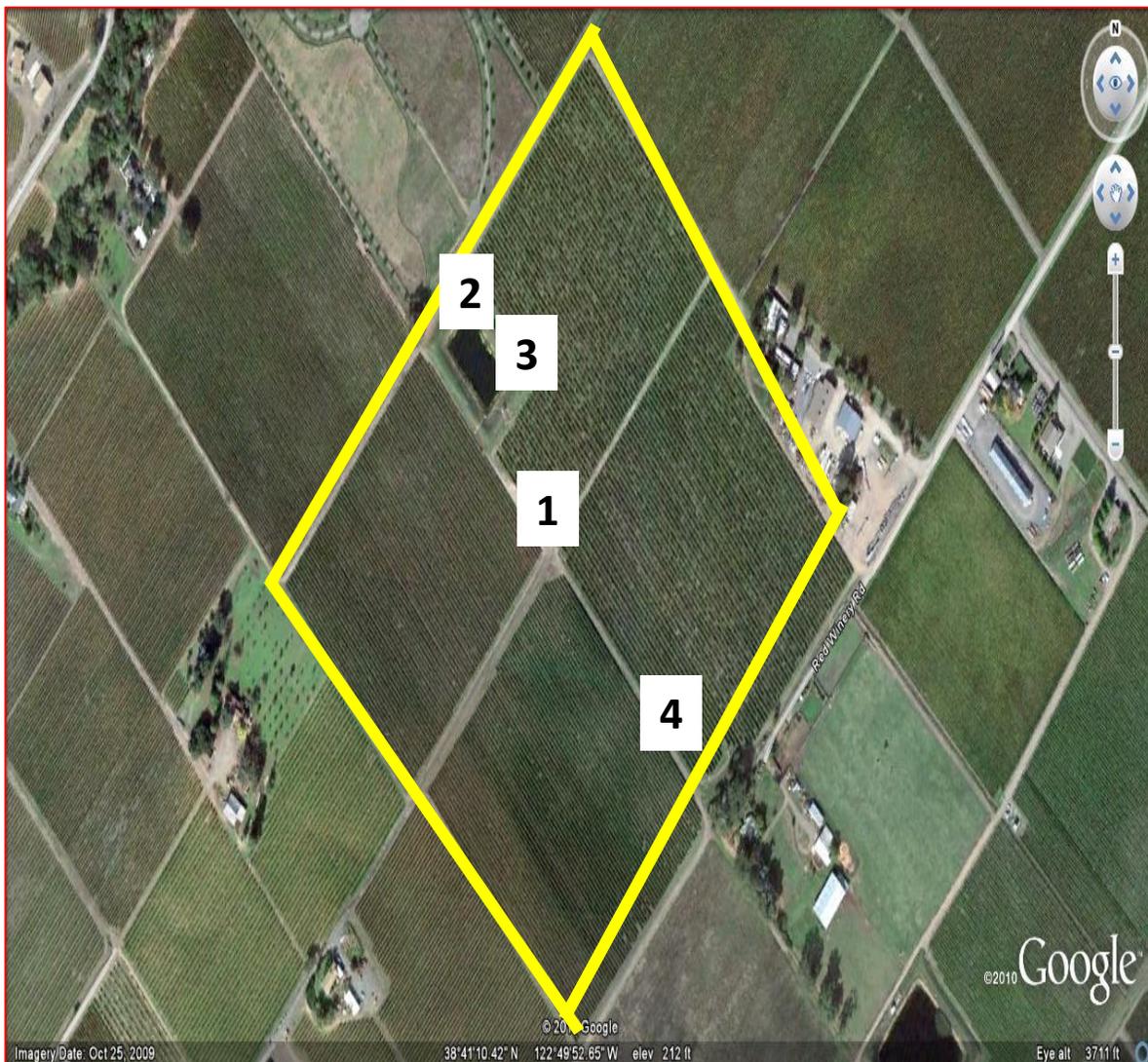
Authorized Representative: Joseph Wilson

Site Address: 1234 Alexander Valley Road, Healdsburg, CA

APN: 808-065-030, 808-065-031

Map ID

1. Frost pumping station
2. Pond (water storage)
3. Sub surface sump directed to pond
4. Well (water source)



Sample 2 – Aerial/Base Map Photo

Each map must indicate the following:

- ✓ Name of property owner.
- ✓ Name of authorizes representative.
- ✓ Site address.
- ✓ Assessor’s parcel number.
- ✓ Area protected with frost protection system outlined or highlighted.
- ✓ Map ID numbers clearly marked identifying frost pumping system(s), water storage, and water sources.

Smith Family Vineyard

Owner: John Smith

Authorized Representative: Joseph Wilson

Site Address: 1234 Alexander Valley Road, Healdsburg, CA

APN: 808-065-030, 808-065-031

Map ID

1. Pond (water storage)
2. Well (water source)
3. Creek pump directed to pond
4. Primary frost pumping system

