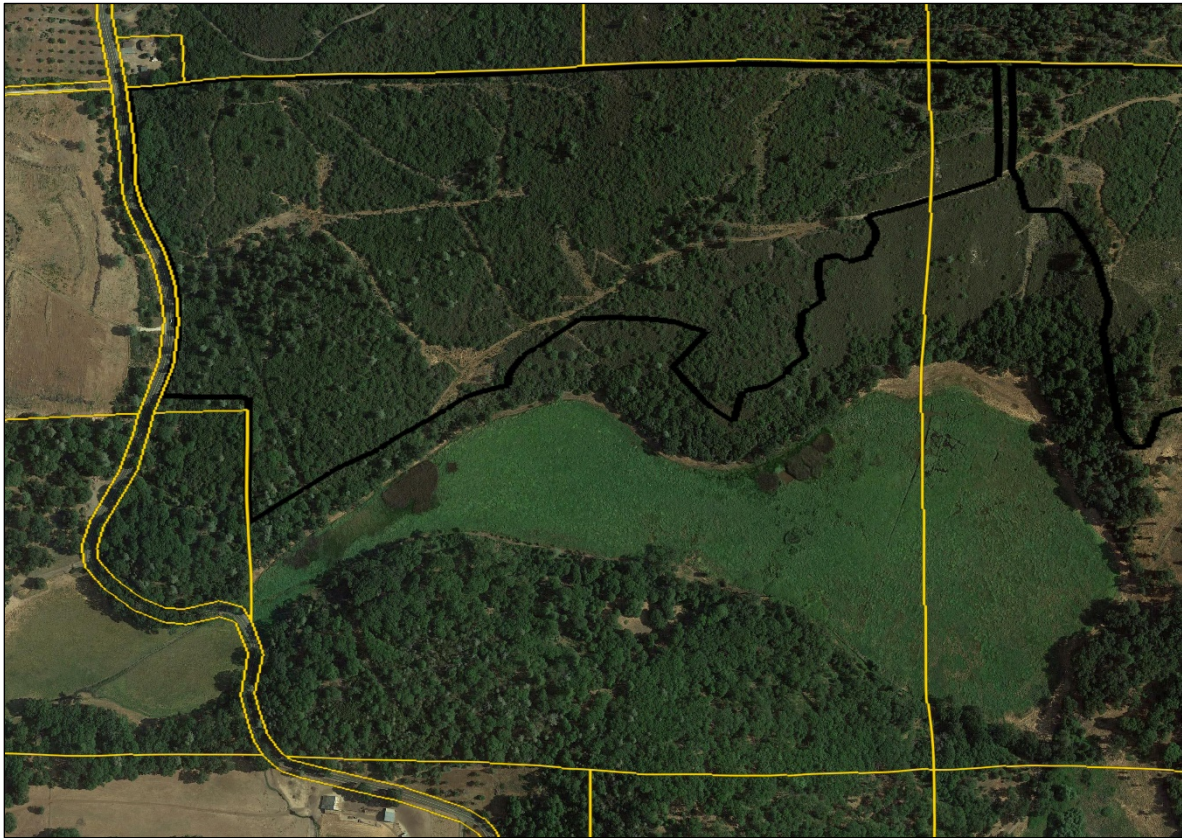


Permit Application Project Description



for
RHRP1, LLC Commercial Cannabis Operations
8210 HWY 175, Kelseyville, CA 95451
APN 009-022-540: Major Use Permit UP 20-81, Initial Study IS 20-97

Prepared by:

Eastside Environmental, Inc.
1326 Bidwell Avenue
Chico, CA 95926
530-249-0845

Prepared for:

Lake County Community Development
Planning Department
255 N. Forbes Street
Third Floor, Rm 323
Lakeport, CA 95453

July 2020

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(9) PROJECT DESCRIPTION:

(9) The project description shall provide adequate information to evaluate the impacts of the proposed project and consists of three parts: a site plan, a written description section, and a property management section.

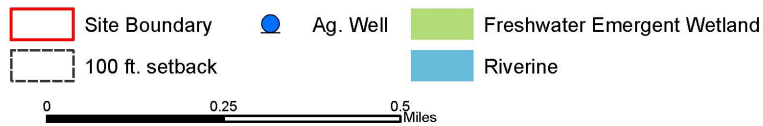
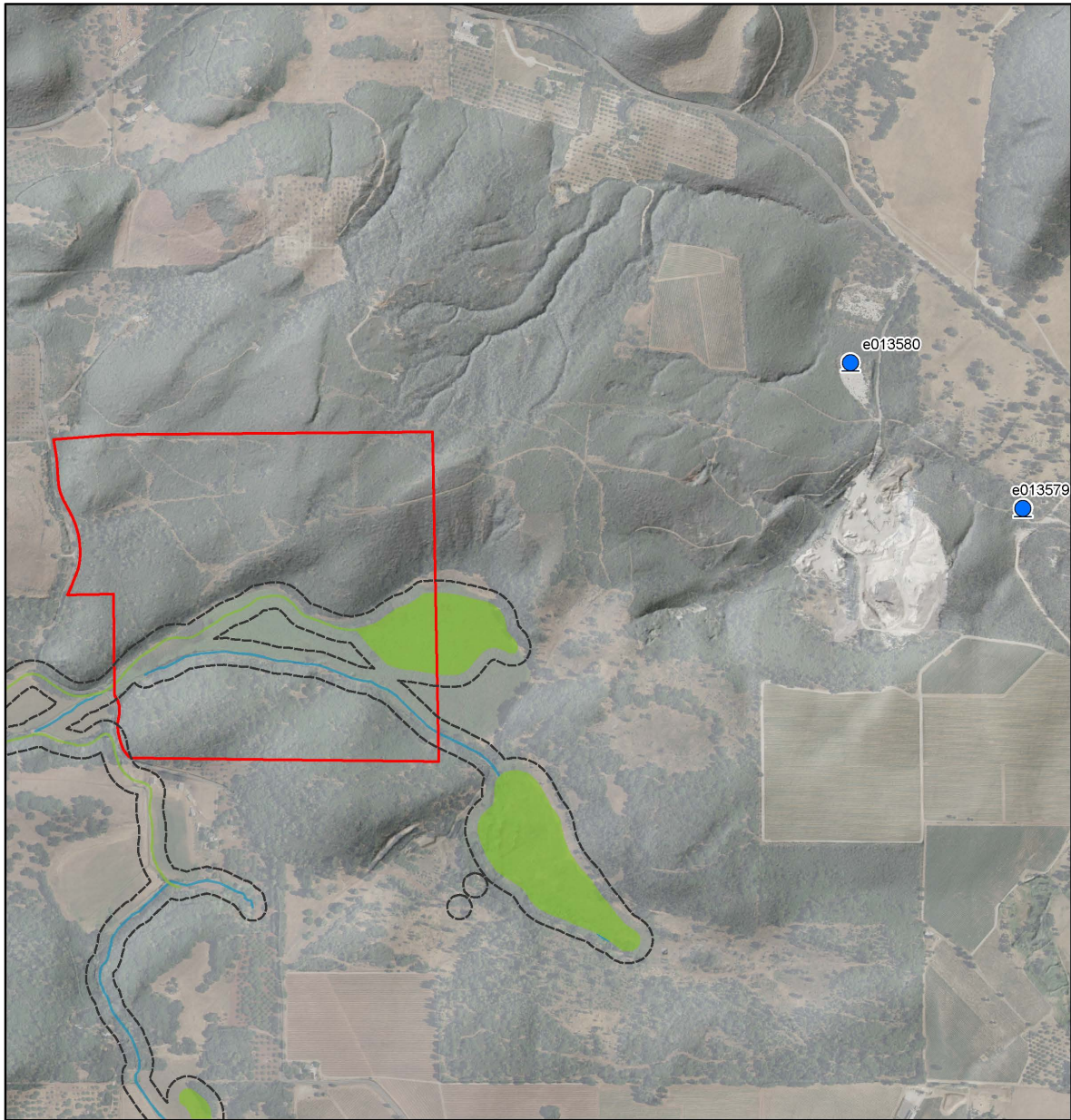
(10) SITE PLAN:



A site plan is a graphic representation of the project consisting of maps, site plans, or drawings prepared by a design professional consistent with the requirements of the Department pursuant to Article 55.5.

- (i) This section shall include a map of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool on the lot of record of land or within 200 feet of the lot of record and a 100-foot setback from (sic).

See **Figure 8**, Water Resources Map for 8120 HWY 175, Kelseyville, CA

Figure 8. Water Resources Map for 8120 HWY 175, Kelseyville, CA



Vicinity Surface and Water Resources	  <p data-bbox="1203 1690 1386 1787">Parcel boundary provided by Lake County NWI provided by USFWS Imagery (NAIP 2018) Map date: 4/2020</p>
<p>8210 HWY 175 Kelseyville, Lake County, CA APN - 009-022-54</p>	

(ii) The use of fertilizer shall not be located within 100 feet of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool. For purposes of determining the edge of Clear Lake, the setback shall be measured from the full lake level of 7.79 feet on the Rumsey Gauge.

(iii) The use of pesticides shall not be located within 100 feet of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool. For purposes of determining the edge of Clear Lake, the setback shall be measured from the full lake level of 7.79 feet on the Rumsey Gauge.

(iv) Include a map of any private drinking water well, a 100 foot setback from any identified private drinking water well, The map shall also include any public water supply well on the lot of record or within 200 feet of the lot of record and a 200 foot setback from any public water supply well.

See **Figure 8**, Water Resources Map for 8120 HWY 175, Kelseyville, CA

(v) Pursuant to the California Health and Safety Code, the use of hazardous materials shall be prohibited except for limited quantities of hazardous materials that are below State threshold levels of 55 gallons of liquid, 500 pounds of solid, or 200 cubic feet of compressed gas. The production of any Hazardous Waste as part of the cultivation process is prohibited.

(vi) A topographic map of the parcel where the permitted activity is located with contours no greater than forty (40) feet.

See **Figure 9**, Topographic map of 8210 HWY 175, Kelseyville, CA

Figure 9. Topographic map of 8210 HWY 175, Kelseyville, CA



(11) WRITTEN DESCRIPTION:

A written section which shall support the graphic representations and shall, at a minimum, include:

(i) a project description:

RHRP1, LLC (Applicant) proposes a commercial outdoor cannabis farming operation at 8210 STATE HWY 175 (Lake County APN 00902254). The farm will include a 26-acre canopy site (52-acre cultivation area) in the configuration as described in the accompanying site development plan, including all local and state permit/licensing-required infrastructure for outdoor cannabis cultivation operations (modular office, storage facilities, fencing, site accessibility, security facilities, fire suppression, etc.). The 52-acre cultivation area is fully located within a Lake County-approved wine grape vineyard block development (Lake County Complex Grading Permit GR17-025). To access the Project site, a new encroachment (driveway) is in the process of being permitted and constructed on HWY 175, with the location as approved by CalTrans District engineers and detailed on the site development plan included with this Use Permit application.

(ii) The present zoning:

Base Zoning District SPLIT

Full Zoning - 1 RL-B5-SC-WW (5ac)

Full Zoning - 2 A-SC-WW

(iii) A list and of all uses shown on the site plan;

Wine grape vineyard development land, commercial cannabis cultivation

(iv) A development schedule indicating the approximate date when construction of the project can be expected to begin and be completed for each phase of the project; including the permit phase;

Permit phase:

Began in December 2019 with submission of Pre-Application materials and meetings with Lake County Staff.

Use Permit Submission: August 2020

Use Permit Review: 6-9 months, as per Lake County guidelines

Construction Phase:

Begin Project construction: Upon approval of Lake County Use Permit and receipt of CDFA Cultivation Licenses, timeframe unknown.

Finish Project construction: May 2022

(v) A statement of the applicant's proposal for solid waste disposal, vegetative waste disposal, storm water management, growing medium management, fish and wildlife protection, energy use, water use, pest management, fertilizer use, property management, grading, organic farming, and protection of cultural resources.

Proposal Statement: Solid Waste Disposal

The solid waste disposal management section shall include:

Provide an estimate of the amount of solid waste that will be generated on an annual basis and daily during peak operational seasons, broken down into the following categories:

Solid waste type	Max Daily Generated (MDG)	Annual Amount Generated (AAG)
Paper	< 1 lb	10 lbs
Glass	5 lbs	500 lbs
Metal	< 1 lb	< 1 lb
Electronics	0	0
Plastic	10 lbs	100 lbs
Organics ¹	0	0
Inerts	<1 lb	< 1 lb
Household hazardous waste	<1 lb	< 5 lb
Special waste	0	0
Mixed residue	< 1 lb	< 1 lb

Describe how the permittee will minimize solid waste generation including working with vendors to minimize packaging.

RHRP1 intends to reduce the amount of packaging material brought onsite through bulk purchasing of farming operation materials (though pesticides and fertilizers have stringent packaging requirements that may preclude bulk purchasing) and prioritize the purchasing of materials in reusable, eco-friendly, compostable, and/or recyclable packaging when possible; reuse and recycle materials as much as possible to divert waste from landfills and designate multiple recyclable materials collection receptacles on the Project property.

Describe the waste collection frequency and method.

Solid waste from the bins will be stored in hauled away by RHRP1 staff to a Lake County Integrated Waste Management facility, at least every seven (7) days/weekly during the cultivation season. The truck used to transport the waste will be equipped with a secure fitting tarp, to prevent solid waste from escaping while in transport.

Describe how solid waste will be temporarily stored prior to transport to a compost, recycling, or final disposal location.

¹ All organic material will be composted on-site.

All solid waste will be stored in bins with secure fitting lids, located directly adjacent to work areas.

Describe the composting, recycling, or final disposal location for each of the above categories of solid waste.

Paper: composted or recycling facility; glass: recycling facility; metal: recycling facility; electronics: n/a; plastic: depending on type, either recycling facility or landfill; organics: composted on site; inerts: repurposed on site; household hazardous waste: at licensed handling facility; special waste: n/a; mixed residue: n/a.

Proposal Statement: Vegetative Waste Disposal

The cannabis vegetative material waste management section shall:

- 1) Provide an estimate of the type and amount of cannabis vegetative waste that will be generated on an annual basis;**

Anticipated cannabis waste generated from the cannabis cultivation operation is limited to cannabis plant stems and sun leaves. It is anticipated that all other parts of cannabis plants cultivated at this site will be transferred to a State of California-licensed Distributor for distribution to State of California-licensed manufacturers and retailers. RHRP1 anticipates that the proposed cannabis cultivation operation will generate approximately 3600 pounds of dried cannabis waste each cultivation season (April 1st through November 15th).

- 2) Describe how the permittee will minimize cannabis vegetative waste generation;**

All cannabis waste generated from the cultivation operation will be composted on-site and in compliance with Title 14 of the California Code of Regulations at Division 7, Chapter 3.1. Composted cannabis waste will be incorporated into the soils of the cultivation area(s) as a soil amendment.

- 3) Describe how solid waste will be disposed; and**

All cannabis waste generated from the cultivation operation will be composted on-site and in compliance with Title 14 of the California Code of Regulations at Division 7, Chapter 3.1. Composted cannabis waste will be incorporated into the soils of the cultivation area(s) as a soil amendment.

- 4) Describe the methodology on how the amount of cannabis vegetative waste that is generated on the site, the amount that is recycled, and the amount and where cannabis vegetative waste is disposed of is measured.**

Under video surveillance, cannabis waste will be chipped/chopped up and placed into plastic containers. Once full, the plastic containers will be weighed and recorded, then the chipped cannabis waste will be deposited into the composting area of the cultivation operation where it will be mixed with other organic/vegetative wastes derived from the Project property.

RHRP1 will maintain accurate and comprehensive records regarding cannabis waste generation that will account for, reconcile, and evidence all activity related to the generation or disposition of cannabis waste. All records will be kept on-site for seven (7) years and will be made available to State and County officials during inspections or when requested.

Proposal Statement: Stormwater Management

iv. Stormwater Management

- (a) Intent: To protect the water quality of the surface water and the stormwater management systems managed by Lake County and to evaluate the impact on downstream property owners. All permittees shall manage storm water runoff to protect downstream receiving water bodies from water quality degradation.**
- (b) All cultivation activities shall comply with the California State Water Board, the Central Valley Regional Water Quality Control Board, and the North Coast Region Water Quality Control Board orders, regulations, and procedures as appropriate.**

RHRP1 obtained waste discharge permit coverage from the SWRCB for the cannabis cultivation operations on the Project property on January 25, 2018; Notice of Applicability (NOA) Waste Discharge Identification (WDID) number is 5S17CC400108. The NOA (Figure 10) and accompanying Site Management Plan (Appendix A) is included as an attachment to this RHRP1 Property Management Plan.

- (c) Outdoor cultivation, including any topsoil, pesticide or fertilizers used for the cultivation cannabis shall not be located within 100 feet of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool. For purposes of determining the edge of Clear Lake, the setback shall be measured from the full lake level of 7.79 feet on the Rumsey Gauge.**

Figure 11. Water Resources around 8210 HWY 175, Kelseyville, CA is a map of the Project property demonstrating that no cultivation operations will be located within 100 feet of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool.

- (d) The illicit discharges of irrigation or storm water from the premises, as defined in Title 40 of the Code of Federal Regulations, Section 122.26, which could result in degradation of water quality of any water body will be prevented.**

By implementing the Best Practicable Treatment and Control (BPTC) measures defined in the SWRCB Site Management Plan for the Project property, there will be no illicit discharges of irrigation or storm water from the premises; the SMP insures that water quality of nearby water bodies will be protected.

- (e) All permittees shall prepare a Storm Water Management Plan based on the requirements for the California Regional Water Quality Control Board Central Valley Region or the California Regional Water Quality Control Board North Coast Region.**

The Storm Water Management Plan (called "Site Management Plan" by the CVRWQCB) is provided in **Appendix A** of this application document.

In addition to those requirements, the plan shall include:

- a. **Identification of any Lake County maintained drainage or conveyance system that the stormwater is discharged into and documentation that the stormwater discharge is in compliance with the design parameters of those structures.**

The proposed project does not discharge stormwater into any Lake County maintained drainage or conveyance system.

- b. **Identification of any public roads and bridges that are downstream of the discharge point and documentation that the stormwater discharge is in compliance with the design parameters of any such bridges.**

The proposed project does not have a stormwater discharge point; no downstream roads or bridges will be affected by the cultivation operations.

- c. **Documentation that the discharge of stormwater from the site will not increase the volume of water that historically has flow onto adjacent properties.**

No offsite stormwater discharge will occur as a result of the cultivation operations. The BPTCs of the Project Site Management Plan and the Stocking Vineyard Erosion Control Plan are designed to ensure that stormwater runoff is managed on-site and will not increase the volume of water that historically has flowed onto adjacent properties. **Figures 12-14. Stocking Vineyards Erosion Control Plan Pages 1,3 & 4** provides the documentation of how the Project will not increase the volume of water that historically has flowed onto adjacent properties.

- a. **Documentation that the discharge of stormwater will not increase flood elevations downstream of the discharge point.**

As indicated within the Project SWRCB Site Management Plan (**Appendix A**) and Stocking Vineyard Erosion Control Plan (**Figures 12-14**), there is no stormwater discharge point within the Project operations; all stormwater discharge will be contained within the Project parcel.

- b. **Documentation that the discharge of stormwater will not degrade water quality of any water body;**

No offsite stormwater discharge will occur as a result of the cultivation operations. The BPTCs of the Project Site Management Plan (**Appendix A**) and the Stocking Vineyard Erosion Control Plan (**Figures 12-14**) are designed to ensure that stormwater runoff is managed on-site and will not increase the degrade water quality of any water body.

- c. **Provide documentation of compliance with the requirements of Chapter 29, Storm Water Management Ordinance of the Lake County Ordinance Code.**

The stormwater management measures outlined within the SWRCB Site Management Plan (**Appendix A**) and Vineyard Erosion Control Plan (**Figures 12-14**) meet and/or exceed the requirements of the Lake County Storm Water Management Ordinance (Chapter 29 of the Lake County Ordinance Code).

- d. **Describe the proposed grading of the property.**

There is no proposed grading for RHRP1 cannabis cultivation operations; all cannabis cultivation shall occur within the footprint of the Lake County-approved vineyard blocks of the Stocking Vineyard project on the same parcel. **Figures 12-14** are the grading and erosion control plans for the vineyard block of the Stocking Vineyard Project; the cannabis cultivation Project footprint exists entirely within the boundaries of the Stocking Vineyard Project Blocks G & H.

e. Describe the storm water management system;

The entire cultivation operations are to be located within the Lake County-approved vineyard blocks for the Stocking Vineyard Project. A requirement of this complex grading permit is a comprehensive erosion control plan designed to protect downstream receiving water bodies from water quality degradation (**Figures 12-14**).

f. Describe the best management practices (BMPs) that will be used during construction and those that will be used post-construction. Post-construction BMPs shall be maintained through the life of the permit; and

All construction and post-construction (maintenance) BMPs (now called BPTCs) are described in the SWRCB Site Management Plan that was produced to obtain coverage under the SWRCB Waste Discharge Permit program; this report is included as an attachment to this Property Management Plan (**Appendix A**).

The proposed cultivation area will be located within the Lake-County approved Stocking vineyard blocks that have stormwater runoff BMPs implemented. Established and re-established vegetation within and around the proposed cultivation operation will be maintained/protected as a permanent erosion and sediment control measure. A certified weed-free straw mulch will be applied to all areas of exposed soil prior to November 15th of each year at a rate of two tons per acre, until permanent stabilization has been achieved.

If areas of concentrated stormwater runoff begin to develop, additional erosion and sediment control measures (such as straw wattles) will be implemented to protect those areas and their outfalls. Monitoring inspections conducted during and following the 2020/2021 winter wet weather period, indicate that the erosion and sediment control measures implemented within and around the existing cultivation area were successful at preventing sediment discharges to surface water bodies.

g. Describe what parameters will be monitored and the methodology of the monitoring program.

RHRP1 must comply with the following SWRCB Monitoring and Reporting Requirements for cannabis cultivation operations:



- Winterization Measures Implementation
- Tier Status Confirmation
- Third Party Identification (if applicable)
- Nitrogen Application (Monthly and Total Annual)

An Annual Report shall be submitted to the Central Valley Regional Water Quality Control Board (CVRWQCB) by March 1st of each year. The Annual Report shall include the following:


1. Facility Status, Site Maintenance Status, and Storm Water Runoff Monitoring.
2. The name and contact information of the person responsible for operation, maintenance, and monitoring.
3. A summary of the numbers and severity of waste discharge violations found during the reporting period, and actions taken or planned to correct the violations and prevent future violations.

RHRP1 will follow all monitoring requirements to maintain compliance with SWRCB Statewide General Order for cannabis waste discharge; these monitoring reports will be provided to Lake County officials upon request.

Figure 10. Red Hills Ranch CVRWQCB Notice of Applicability



EDMUND G. BROWN JR.
GOVERNOR



MATTHEW RODRIGUEZ
SECRETARY FOR ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

25 January 2018 5S17CC400108

Crystal Keesey
Golden State Herb, Inc
1326 Bidwell Avenue
Chico, CA 95926

Porter G3 McIntire, LLC
Bryant Stocking
777 Aldridge Road
Vacaville, CA 95688

NOTICE OF APPLICABILITY, WATER QUALITY ORDER WQ-2017-0023-DWQ, GOLDEN STATE HERB INC, CRYSTAL KEESEY, LAKE COUNTY

Crystal Keesey, for Golden State Herb, Inc (hereafter "Discharger") submitted information through the State Water Resources Control Board's (State Water Board's) online portal on 13 December 2017, for discharges of waste associated with cannabis cultivation related activities. Based on the information provided, the Discharger self-certifies the cannabis cultivation activities are consistent with the requirements of the State Water Board *Cannabis Cultivation Policy- Principles and Guidelines for Cannabis Cultivation* (Policy), and the *General Waste Discharge Requirements and Waiver of Waste Discharge Requirements for Discharges of Waste Associated with Cannabis Cultivation Activities*, Order No. WQ-2017-0023-DWQ (General Order). This letter provides notice that the Policy and General Order are applicable to the site as described below. You are hereby assigned waste discharge identification (WDID) number **5S17CC400108**.

The Discharger is responsible for all the applicable requirements in the Policy, General Order, and this Notice of Applicability (NOA).

1. FACILITY AND DISCHARGE DESCRIPTION

The information submitted by the Discharger states the disturbed area is equal to or greater than 1 acre (43,560 square feet), no portion of the disturbed area is within the setback requirements, no portion of the disturbed area is located on a slope greater than 30 percent, and the cannabis cultivation area is greater or equal to 1 acre.

Based on the information submitted by the Discharger, the cannabis cultivation activities are classified as Tier 2, low risk.

2. SITE-SPECIFIC REQUIREMENTS

The Policy and General Order are available on the Internet at <http://www.waterboards.ca.gov/cannabis>. The Discharger shall ensure that all site operating personnel know, understand, and comply with the requirements contained in the Policy, General Order, this NOA, and the Monitoring and Reporting Program (MRP, Attachment B of the General Order). Note that the General Order contains standard provisions, general requirements, and prohibitions that apply to all cannabis cultivation activities.

KARL E. LONGLEY ScD, P.E., CHAIR | PAMELA C. CREEDON P.E., BCEE, EXECUTIVE OFFICER
364 Knollcrest Drive, Suite 205, Redding, CA 96002 | www.waterboards.ca.gov/centralvalley

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The application requires the Discharger to self-certify that all applicable Best Practicable Treatment or Control (BPTC) measures are being implemented, or will be implemented by the onset of the winter period (November 15 - April 1), following the enrollment date. Dischargers that cannot implement all applicable BPTC measures by the onset of the winter period, following their enrollment date, shall submit to the appropriate Regional Water Board a *Site Management Plan* that includes a time schedule and scope of work for use by the Regional Water Board in developing a compliance schedule as described in Attachment A of the General Order.

3. TECHNICAL REPORT REQUIREMENTS

The following technical report(s) shall be submitted by the Discharger as described below:

1. A *Site Management Plan*, by **13 March 2018**, consistent with the requirements of General Order Provision C.1.a., and Attachment A, Section 5. Attachment D of the General Order provides guidance on the contents of the *Site Management Plan*.
2. A *Nitrogen Management Plan* must be submitted 13 March 2018 consistent with the requirements of General Order Provision C.1.d., and Attachment A, Section 5. Attachment D of the General Order provides guidance on the contents of the *Nitrogen Management Plan*.
3. A *Site Closure Report* must be submitted 90 days prior to permanently ending cannabis cultivation activities and seeking to rescind coverage under the General Order. The *Site Closure Report* must be consistent with the requirements of General Order Provision C.1.e., and Attachment A, Section 5. Attachment D of the General Order provides guidance on the contents of the *Site Closure Report*.

4. MONITORING AND REPORTING PROGRAM

The Discharger shall comply with the Monitoring and Reporting Program (MRP). Attachment B of the General Order provides guidance on the contents for the annual reporting requirement. Annual reports shall be submitted to the Regional Water Board by March 1 following the year being monitored. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Board Executive Officer or the State Water Board Division of Water Quality Deputy Director, or the State Water Board Chief Deputy Director.

5. ANNUAL FEE

According to the information submitted, the discharge is classified as Tier 2, low risk with the current annual fee assessed at \$1,000. The fee is due and payable on an annual basis until coverage under this General Order is formally rescinded. To rescind coverage, the Discharger must submit a Notice of Termination, including a *Site Closure Report* at least 90 days prior to termination of activities and include a final MRP report.

6. TERMINATION OF COVERAGE UNDER THE GENERAL ORDER & REGIONAL WATER BOARD CONTACT INFORMATION

Cannabis cultivators that propose to terminate coverage under the Conditional Waiver or General Order must submit a Notice of Termination (NOT). The NOT must include a *Site Closure Report* (see Technical Report Requirements above), and Dischargers enrolled under the General Order must also submit a final monitoring report. The Regional Water Board reserves the right to inspect the site before approving an NOT. Attachment C includes the NOT

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25 January 2018

form and Attachment D of the General Order provides guidance on the contents of the *Site Closure Report*.

If the Discharger cannot comply with the General Order, or will be unable to implement an applicable BPTC measure contained in Attachment A by the onset of the winter period each year, the Discharger shall notify the Regional Water Board staff by telephone at (530)-224-3216 so that a site-specific compliance schedule can be developed.

All monitoring reports, submittals, discharge notifications, and questions regarding compliance and enforcement should be directed to Michael Parker, at: michael.parker@waterboards.ca.gov or (530)-224-3216.



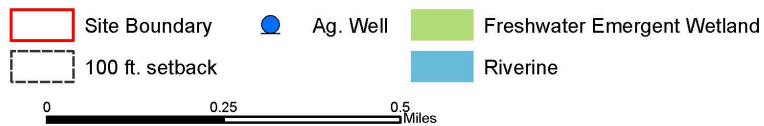
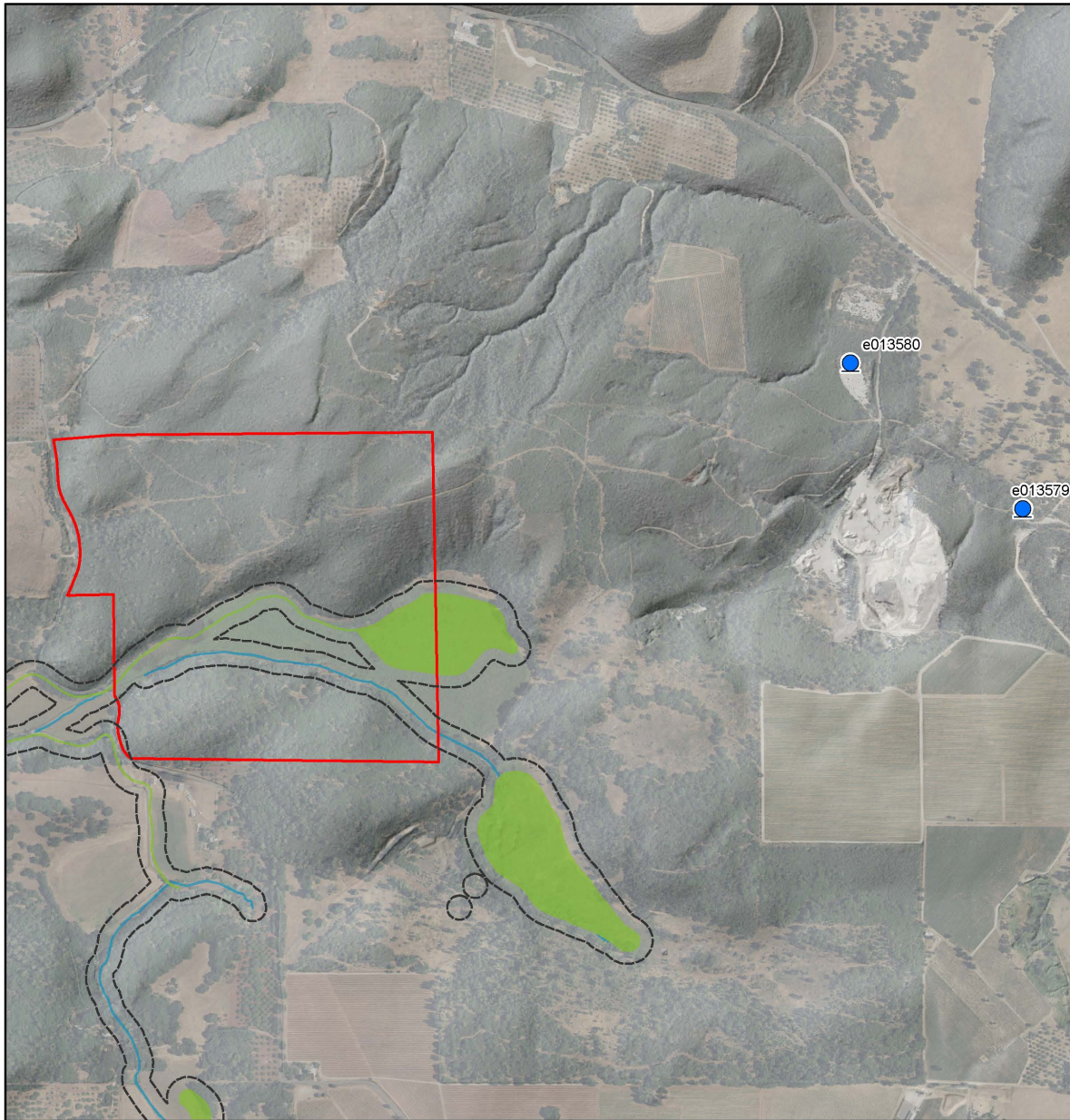
(for) Pamela C. Creedon
Executive Officer

MP: ck

cc: Kevin Porzio, State Water Resources Control Board, Sacramento
Mireya G. Turner (For) Lake County Environmental Health Department

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Figure 11. Water Resources around 8210 HWY 175, Kelseyville, CA



Vicinity Surface and Water Resources	 <small>Parcel boundary provided by Lake County NWI provided by USFWS Imagery (NAIP 2018) Map date: 4/2020</small>
8210 HWY 175 Kelseyville, Lake County, CA APN - 009-022-54	

Figure 12. Stocking Vineyards Erosion Control Plan Page 1

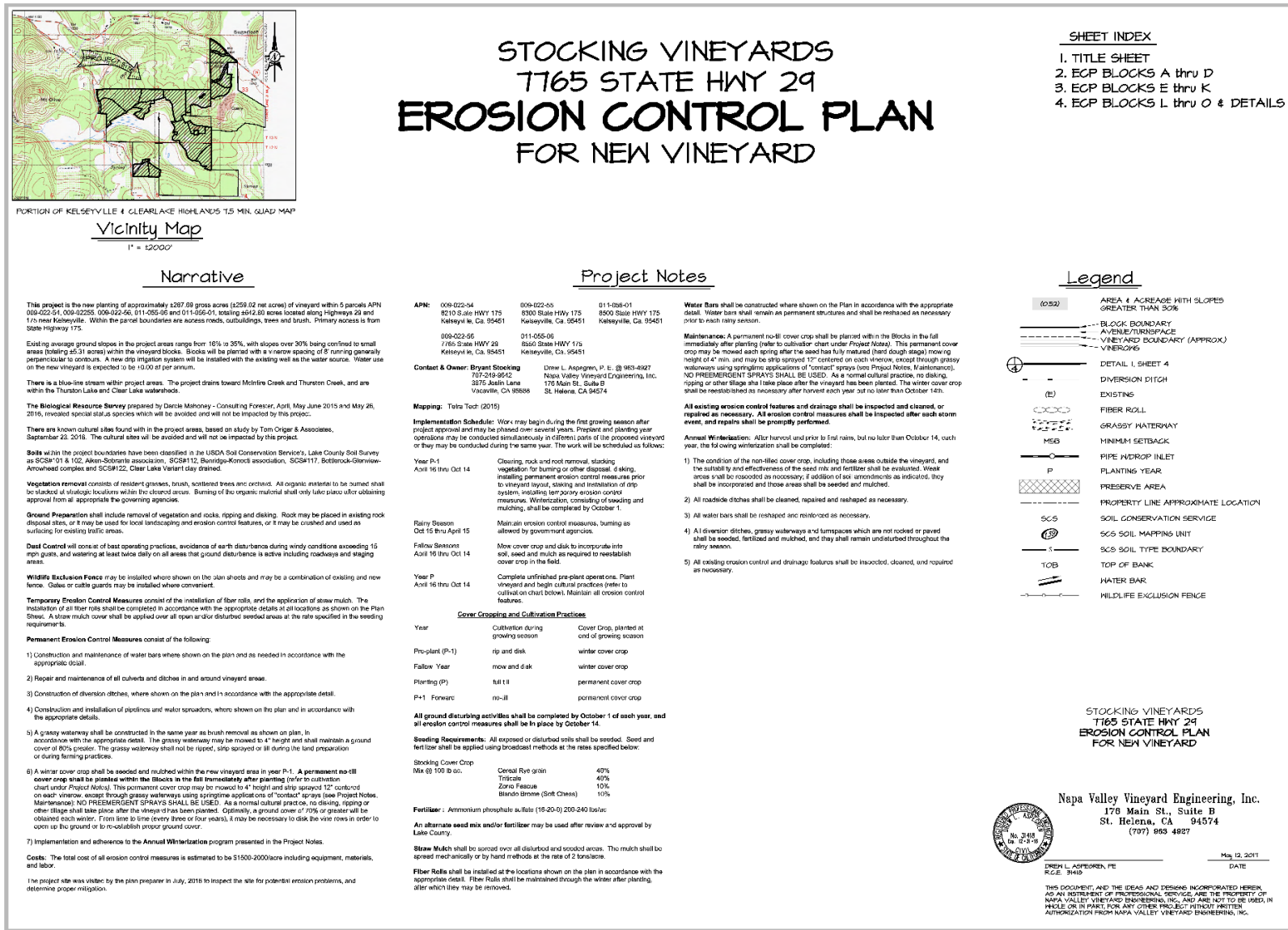


Figure 13. Stocking Vineyards Erosion Control Plan Page 3

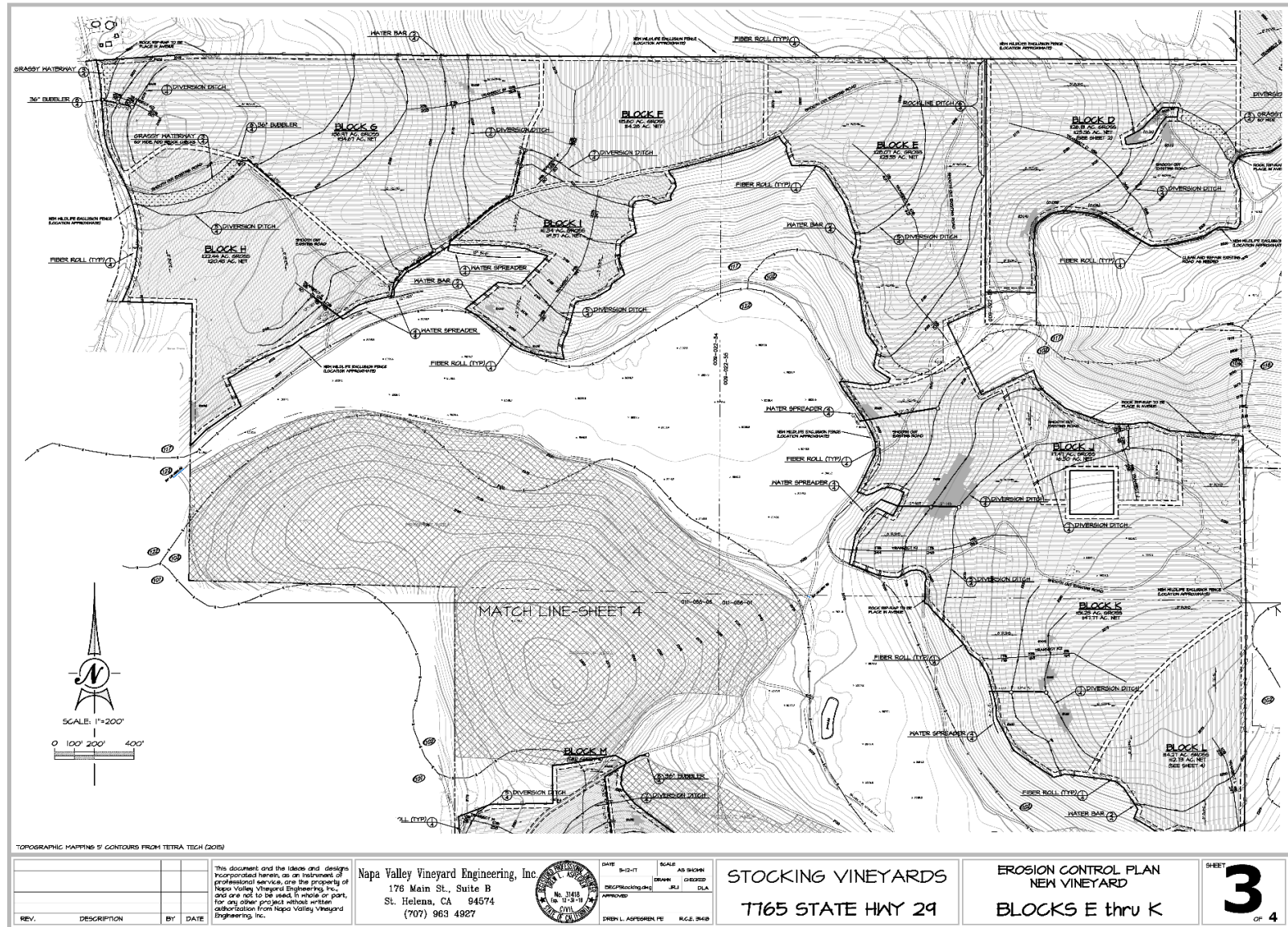
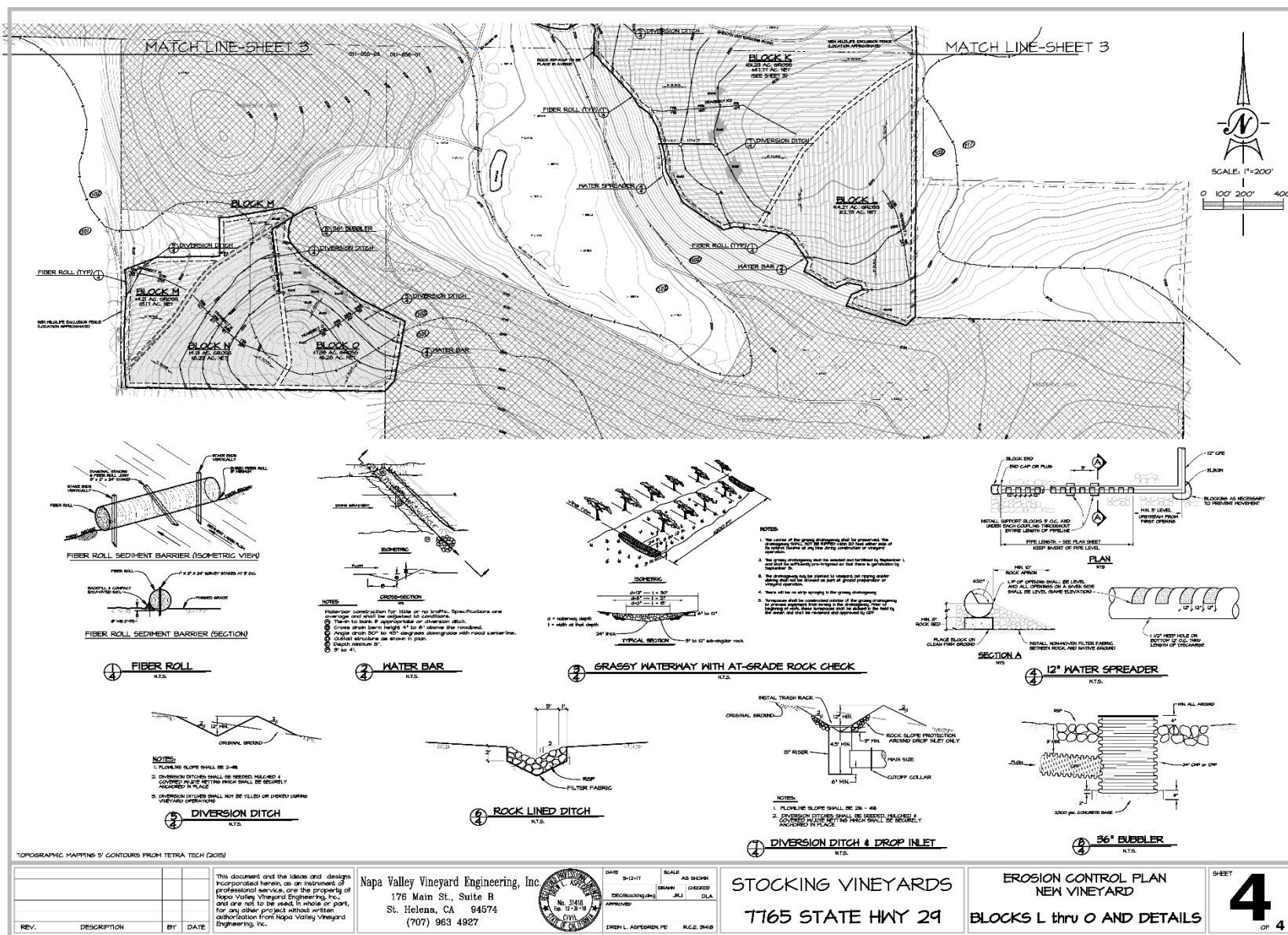


Figure 14. Stocking Vineyards Erosion Control Plan Page 4



Proposal Statement: Growing Medium Management

The growing medium management section shall:

Provide an estimate of the type and amount of new growing medium that will be used and the amount of growing medium that will be disposed of on an annual basis;

The growing medium of the proposed cannabis cultivation area will be the existing soil amended with peat, coco coir, worm castings, compost, ligna peat, pumice, guanos, rock dusts, kelp meal, blood meal, and fish bone meal. 5400 yards of on-site soil will be amended with the above-listed materials during the first two years of full production build-out, and afterwards amended to maintain desired nutrient and beneficial microbial levels. RHRP1 does not plan to dispose of any growing medium unless necessary as a result of heavy metals, microbial or chemical contamination.

Prior to each cultivation season, representative soil samples will be collected from the cultivation area(s) and analyzed by an agricultural analytical laboratory. The results of this analysis will be reviewed by RHRP1's managerial staff and crop advisor to determine the types and volumes of amendments that will need to be added to maintain the desired growing medium/native soil mixture for the upcoming cultivation season.

Describe how the permittee will minimize growing medium waste generation;

RHRP1 does not plan to dispose of any growing medium unless necessary as a result of heavy metals, microbial or chemical contamination.

Describe any non-organic content in the growing medium used (such as vermiculite, silica gel, or other non-organic additives;

RHRP1 will only use organic growing medium content; no non-organic additives will be utilized.

Describe how growing medium waste will be disposed; and

RHRP1 does not plan to dispose of any growing medium unless necessary as a result of pest infestation, heavy metals toxicity, microbial or chemical contamination. In the event of a root and/or soil born pest infestation, the infested soil will be removed from the cultivation area(s), quarantined, treated with either heat or a pesticide that targets the infestation and that is approved for use in cannabis cultivation by the California Department of Food and Agriculture, then incorporated with cannabis waste compost. In the event of microbial or chemical contamination, the materials will be transferred by tarped truck to the appropriate waste facility in the area designed to handle the particular contaminant.

Describe the methodology on how the amount of growing medium waste that is generated on the site, the amount that is recycled, and the amount and where growing medium waste is disposed of, is measured.

Growing medium will be measured by the cubic yard, as determined by the volume capacity of the tractor or loader bucket RHRP1 is utilizing for production operations.

Proposal Statement: Fish and Wildlife Protection

Intent: To minimize adverse impacts on fish and wildlife.

RHP1 plans to locate the proposed cannabis cultivation operations entirely within the existing footprint within the Stocking Vineyards vineyard blocks H and G. These vineyard blocks were approved through a Lake County Complex Grading Permit process in October of 2018. The approval process of the vineyard blocks included thorough technical studies about the potential impact of cultivation operation and vineyard site development on fish and wildlife. The information regarding these potential impacts and the avoidance and protection measures to be implemented to reduce impacts to fish and wildlife, are included in the Biological Resources Assessment² for the Stocking Vineyard, which is included in the Appendix of this Property Management Plan.

In this section permittees shall include:

a. A description of the fish and wildlife that are located on or utilize on a seasonal basis the lot of record where the permitted activity is located;

The parcel is utilized by common wildlife such as deer, coyote, fox, squirrels, racoons and other rodents, insects, small reptiles; raptors and passerines with non-sensitive status are likely to nest on the property due to the diverse woodland and forest habitats there, including red-tailed hawks, crows and ravens, Cooper's hawks, northern harriers, woodpeckers, yellow-breasted chats, and yellow warblers. According to the BRA for the Stocking Vineyards, the special status species with potential to occur on the Project parcel include porcupine (in pine forest) and Pallid bat (in oak woodlands). These species were not located during field surveys, but due to habitat suitability and presence within 5 miles of the Project parcel (as documented California Natural Diversity Database [CNDDB]), these species could potentially utilize the project parcel.

North American porcupine (Erethizon dorsatum):

This species prefers conifer and hardwood forests and woodlands, but is also found in forested wetlands and chaparral. It uses downed logs and debris, as well as snags and tree hollows, as cover. The porcupine breeds from September to November or December, giving birth in the spring. One offspring is reared a year. *E. dorsatum* is herbivorous; its diet consists of many parts of trees and other plants including bark, needles, flowers, roots, berries, leaves, and seeds. It is mostly nocturnal. The large amount of woody debris and other vegetation on the property may provide suitable habitat for porcupines. This species is listed in the CNDDB as "G5" (Global Secure) and "SNR" (Species not Rated-California). It is therefore not a species with sensitive regulatory status although its local accounts are included in the database.

Pallid bat (Antrozous pallidus):

This is a pale bat with a dog-like face. Optimal habitat for these bats consists of open, dry habitats with rocky areas, but the bats are also found in oak savanna grasslands, and in open forest and woodlands with

² Zalusky, Steve. Biological Resource Assessment for the Bryant Stocking Vineyard Project Kelseyville, Lake County, CA. Northwest Biosurvey. Kelseyville, CA. December 21, 2017.

access to riparian and open water for feeding and drinking in northern California. Foraging occurs over open country. These bats prefer the cool summer temperatures of caves, crevices, and mines as roosting sites where they are known to wedge themselves into small spaces; they will also roost in buildings, bridges, and hollow trees. Preferred roosts are high above the ground and inaccessible to terrestrial predators, although they are occasionally found roosting on the ground underneath sacks and other items left by humans.

Pallid bats take a variety of prey, including insects, reptiles, and rodents. Maternity colonies tend to be in the more protected, isolated locations and may consist of more than 100 individuals. The bats have a home range of 1 to 3 miles and are known to roost with other bat species. This species of bat does not migrate long distances between seasons. This species is extremely sensitive to human disturbance of roosting sites. Populations in California have declined due to habitat destruction and use of pesticides. There is a potential for pallid bats or other bat species to roost in the woodlands, especially if there are ponds in the vicinity of the property.

b. A description of the habitats found on the lot of record. These habitats shall be located on a map;

Knobcone Pine Forest:

Knobcone pine (*Pinus attenuata*) occurs as small, dense copses of even-aged trees along ridgetops in the northern quarter of the property. The shrub and ground cover layers are suppressed within the community due to dense canopy cover, but community edges support the shrub and ground cover layer of the surrounding Chamise Chaparral and Interior Live Oak Shrub species.

Chamise Chaparral:

This nearly-homogenous community of chamise (*Adenostoma fasciculatum*) occupies south-facing slopes throughout the property. Canopy cover is 100%. Included in this community are Stanford and common manzanitas and occasional ghost pines (*Pinus sabiniana*). The canopy is too dense to support a ground cover other than leaf litter.

Interior Live Oak Shrub:

This heterogenous shrub community is typically transitional between Chamise Chaparral on the more exposed slopes to Interior Live Oak Woodland on the more shaded slopes. The community consists of a co-dominant mix of shrubby interior live oaks, Stanford and hoary manzanitas, scrub oak (*Quercus berberidifolia*), coyotebrush, chamise, California bay, buck-brush (*Ceanothus cuneatus* var. *cuneatus*), and wavy-leaf ceanothus (*Ceanothus foliosus* var. *foliosus*). The shrub layer is generally too dense to support a ground cover layer. However, openings and community edges support grasses and forbs including nitgrass (*Gastridium phleoides*), silver European hairgrass (*Aira caryophyllea*), desert fescue (*Festuca microstachys*), and goldwire (*Hypericum concinnum*).

Figures 16. Habitat Descriptions of Stocking Vineyard Project and 17. Habitat Map of the Stocking Vineyard Project identify and locate the habitats found within the cannabis cultivation Project.

c. A description of the watershed in which the permitted activity is located. A map shall be provided showing the full watershed;

McIntyre Creek, a perennial Class II watercourse, is located on the parcel, approximately 150 feet from parts of the southern boundary the proposed cultivation area on the Project parcel. McIntyre Creek is a tributary of Cole Creek; the Project Parcel is considered part of the Cole Creek and Thurston Lake watershed. The full watershed map is provided in **Figure 17., Watershed map of 8210 HWY 175, Kelseyville, CA.**

d. Describe how the permittee will minimize adverse impacts on the fish and wildlife;

Because the cultivation area footprint is fully located within the Lake County-approved vineyard blocks, impacts to fish and wildlife are minimized by following the conditions of the Complex Grading permit:

A. Biological Resources Mitigation Measures:

- BIO-1. Any vegetation clearing or grading within 200 feet of woodland habitat between February 15 and August 31 shall be preceded by a survey for nests of purple martin, raptors, and migratory birds conducted by a qualified biologist. In the event that active nests of these species are found, appropriate breeding season construction buffer shall be established and construction within these buffers should be delayed until after August 31, or until fledging is completed as determined by a qualified biologist. As an alternative, trees approved for removal shall be felled outside of the breeding season.
- BIO-2. If work is proposed within woodland habitat during the maternity roosting season (April 1 through September 15), trees with features capable of supporting roosting bats shall be surveyed by a qualified biologist for bat roosts or evidence of bat roosting (guano, urine staining, dead bats) within 14 days of the start of project activities or removal of vegetation. If active roosts are discovered, an exclusion buffer shall be established around the active roost by a qualified bat biologist. Removal of trees and ground-disturbing activities should be performed to the extent possible from September 16 through March 31, outside of the maternity roosting season. Following the felling of any tree or snag, the tree or snag shall be allowed to remain on the ground for 24 hours prior to chipping or removal to allow any bats to escape.
- BIO-3. Use of wildlife exclusion fencing shall be restricted to the planted vineyard areas and sufficient surrounding strip to allow turning of equipment. No fencing should be constructed along roadways or property boundaries. All fencing that is placed around the planted areas shall have gates at either end of the vineyard to allow trapped wildlife to escape.

e. A map showing the location of any conservation easements or wildlife corridors proposed.

No proposed conservation easements or wildlife corridors on the Project parcel.

Figure 15. Habitat Descriptions of Stocking Vineyard Project

TABLE 1. VEGETATION TYPES OF THE STOCKING VINEYARD PROJECT

COVER TYPE	Total Acres of Cover Type	Cover Type Percent of Total Property	Acres of Cover Type in Each Block															Acres of Cover Type In all Blocks	Percent of Cover Type In all Blocks
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
Ponderosa Pine Forest	19.29	3.02													0.16	0.97		1.13	5.86
Knobcone Pine Forest	13.75	2.16		0.92	1.00			3.02	0.60	6.04	0.76							12.34	89.75
Oregon White Oak Woodland	15.23	2.39											2.15					2.15	14.12
California Black Oak-Ponderosa Pine Forest	186.93	29.31										2.06	22.56	10.26	1.56	1.34	0.62	38.40	20.54
Blue Oak Woodland	8.30	1.30		1.86								0.01	3.73	0.52				6.12	73.73
Interior Live Oak Woodland	24.38	3.82				1.22	6.46			2.16	2.12		0.17					12.13	49.75
Red Willow Thicket	0.76	0.12																0.00	0.00
Manzanita Shrub Alliance	29.67	4.65											3.52	3.49		3.07	1.03	11.11	37.45
Chamise Chaparral	40.76	6.39	1.46	0.62	1.30	9.58	4.61	1.53	3.18	1.65	2.60		0.58					27.11	66.51
Interior Live Oak Shrub	145.13	22.75	6.11	20.59	17.38	15.33	14.70	11.05	33.19	12.59	5.86							136.80	94.26
Blackberry Bramble	3.61	0.57																0.00	0.00
Reed Canary Grass Sward	54.80	8.59																0.00	0.00
Broadleaf Cattail Marsh	1.40	0.22																0.00	0.00
Wild Oat Grassland	26.21	4.11											2.97		2.49	2.78	0.16	8.40	32.05
Fuller's Teasel Patch	1.52	0.24																0.00	0.00
Apple Orchard	0.67	0.11																0.00	0.00
Open Water	0.15	0.02																0.00	0.00
Logged Area	61.78	9.69					2.30					5.40	15.55			0.97	5.57	29.79	48.22
Ruderal (Disturbed Areas)	3.42	0.54			2.18													2.18	63.74
Total Acres of Cover Type	637.76	100.00	7.57	23.99	21.86	26.13	28.07	15.60	36.97	22.44	11.34	7.47	51.23	14.27	4.21	9.13	7.38	287.66	45.10*

* Last cell equals percent of property (all cover types) within vineyard blocks

Figure 16. Habitat Map of Stocking Vineyard Project

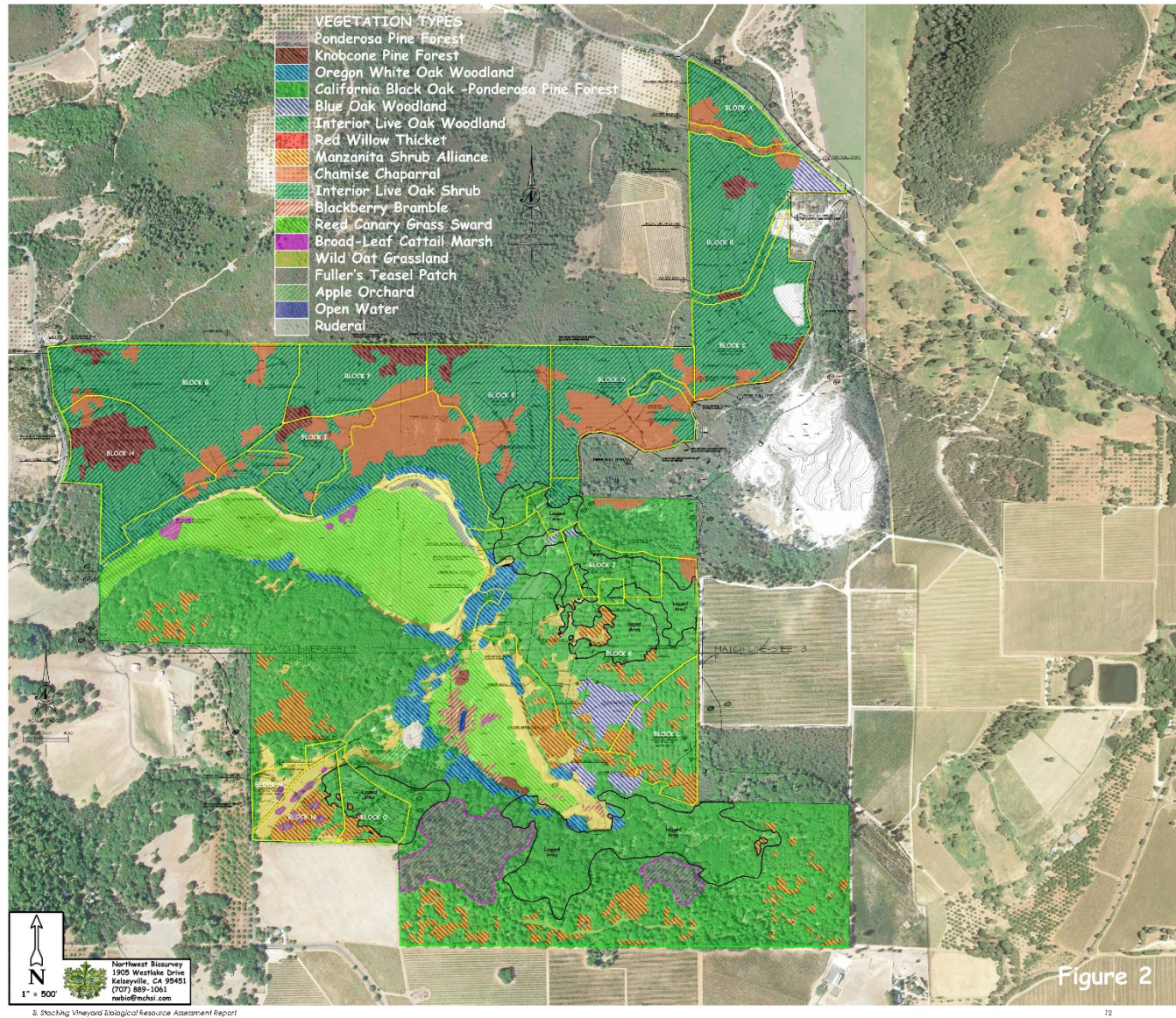
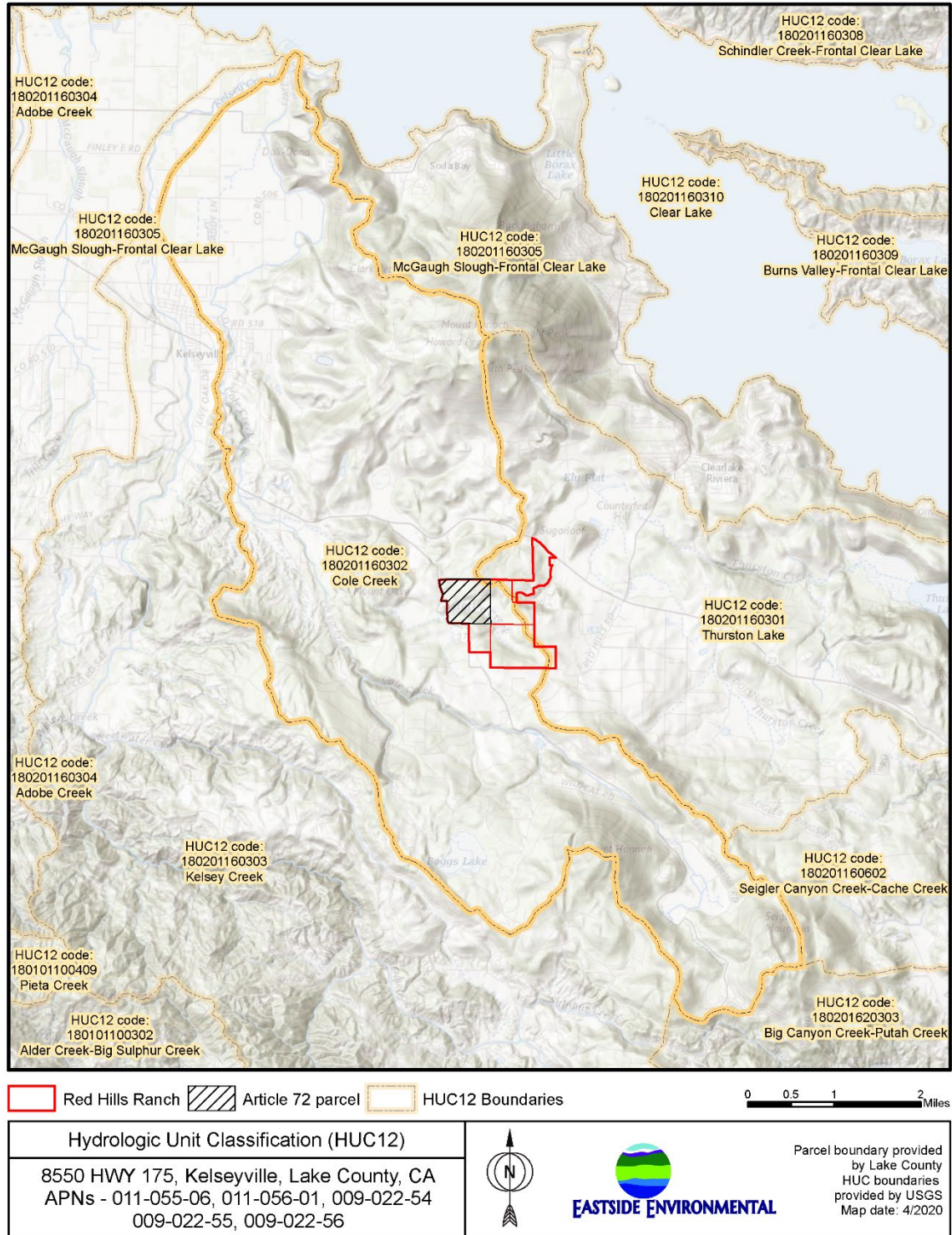


Figure 17. Watershed map of 8210 HWY 175, Kelseyville, CA



Proposal Statement: Water Resources Protection

Intent: To minimize adverse impacts on surface and groundwater resources.

This section shall include:

- a. A description of the surface and groundwater resources that are located on the lot of record where the permitted activity is located.**

McIntyre Creek, a perennial Class II watercourse, is located on the parcel, approximately 150 feet from parts of the southern boundary the proposed cultivation area on the Project parcel. There are potential freshwater emergent wetlands associated with McIntyre Creek on the Project parcel. **(Figure 18. Water Resources of 8210 HWY 175, Kelseyville, CA)** McIntyre Creek is a tributary of Cole Creek; the Project Parcel is considered part of the Cole Creek and Thurston Lake watershed.

- b. There are no surface water or groundwater resources within the Project footprint. There is no groundwater well on the lot of record where the permitted activity will be located. Irrigation water will be supplied by agricultural wells located on another ranch parcel (APN 00902256). A description of the watershed in which the permitted activity is located.**

The permitted activity is located in the Cole Creek sub-basin (HUC12 180201160302) of the Upper Cache Creek watershed (HUC8 code 18020116) approximately 4 miles west of Clear Lake in the Red Hills area of Kelseyville, CA. **(Figure 19. Watershed map of 8210 HWY 175, Kelseyville, CA).**

- c. A description of how the permittee will minimize adverse impacts on the surface and groundwater resources.**

The RHRP1 commercial cannabis operations will not disturb any aquatic or riparian habitat. RHRP1 will maintain existing, naturally occurring vegetative cover (e.g., trees, shrubs, and grasses) in areas adjacent to the commercial cannabis operations to the maximum extent possible to minimize off-site waste discharges. Access roads and parking areas are/will be graveled to prevent the generation of fugitive dust, and vegetative ground cover will be preserved and/or re-established as soon as possible throughout the entire site to filter and infiltrate stormwater runoff from the access roads, parking areas, and the proposed commercial cannabis operations.

RHRP1 personnel will regularly inspect their entire water delivery system for leaks and immediately repair any system breaches. RHRP1 will apply weed-free mulch in cultivation areas that do not have ground cover to conserve soil moisture and minimize evaporative loss. RHRP1 will implement water conserving irrigation methods (drip or trickle and microspray irrigation and hand watering). RHRP1 will maintain daily records of all water used for irrigation of cannabis.

The proposed cultivation operation has been enrolled for coverage under the SWRCB General Order for Cannabis Cultivation Activities (WQ-2017-0023-DWQ) since January 25, 2018 (WDID 5S17CC400108).

RHRP1 will continue to comply with all requirements of the Cannabis General Order to protect water resources.

- d. A description of what parameters will be measured and the methodology of how they will be measured.

<i>Parameters to be measured</i>	<i>Methodology of measurement</i>
Static level of groundwater well	Static level monitoring device will be installed in well casing that provides continuous data logging of groundwater well water elevation.
Groundwater usage and flow	Irrigation flow meter will be installed in the water supply line to the commercial cannabis operations area.
Stormwater events/runoff	Rain gauge and visual inspection/written documentation of Project site after significant weather event (>1/2" rainfall over 24 hours)

- e. A map of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool on the lot of record of land or within 200 feet of the lot of record.

See Figure 18. Water Resources of 8210 HWY 175, Kelseyville, CA; Figure 20. National Hydrography Dataset Map, and Figure 21. National Wetlands Inventory Map.

- f. A topographic map of the parcel

See Figure 22. Topographic map of 8120 HWY 175, Kelseyville, CA.

Figure 18. Water Resources of 8210 HWY 175, Kelseyville, CA

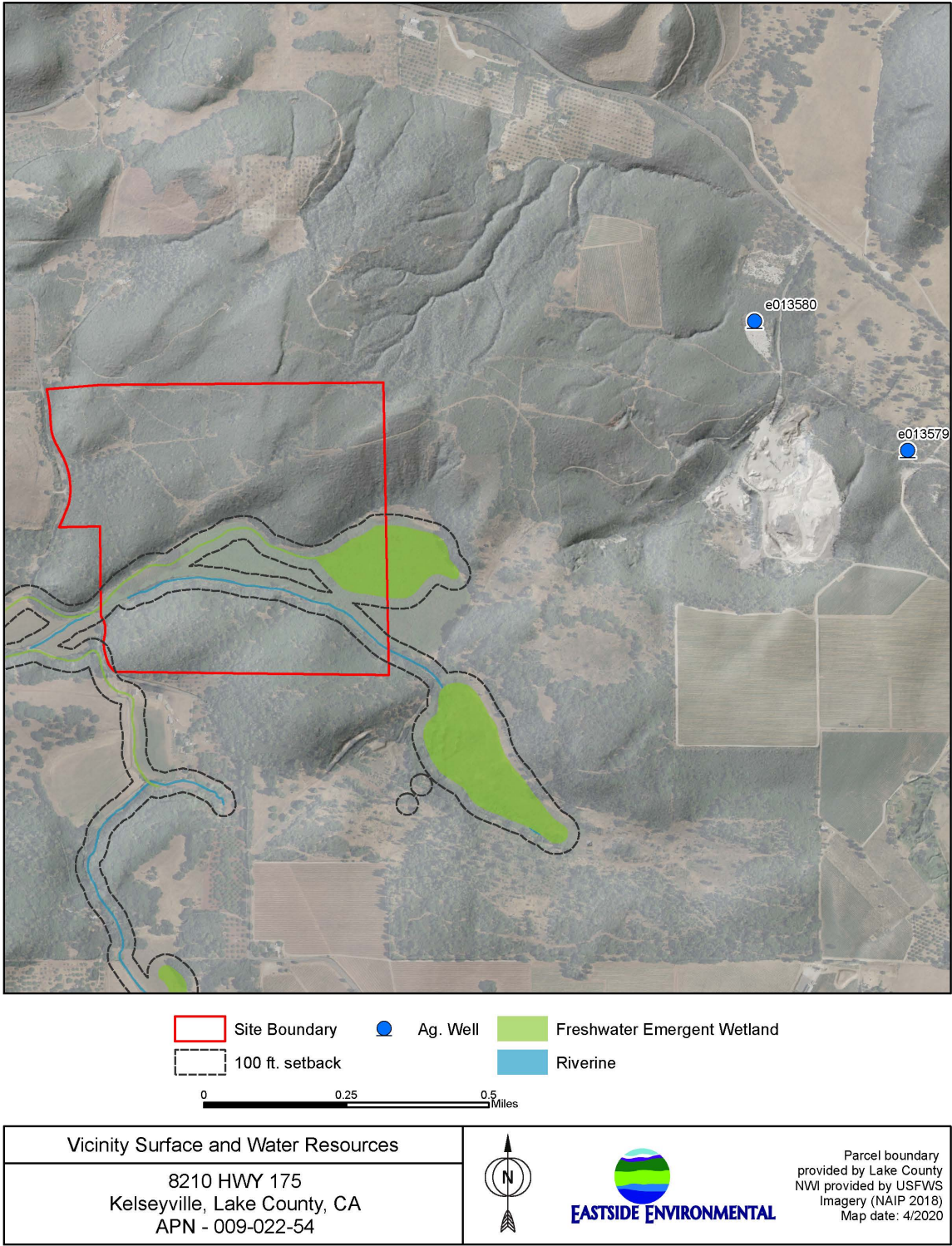


Figure 19. Watershed map of 8210 HWY 175, Kelseyville, CA

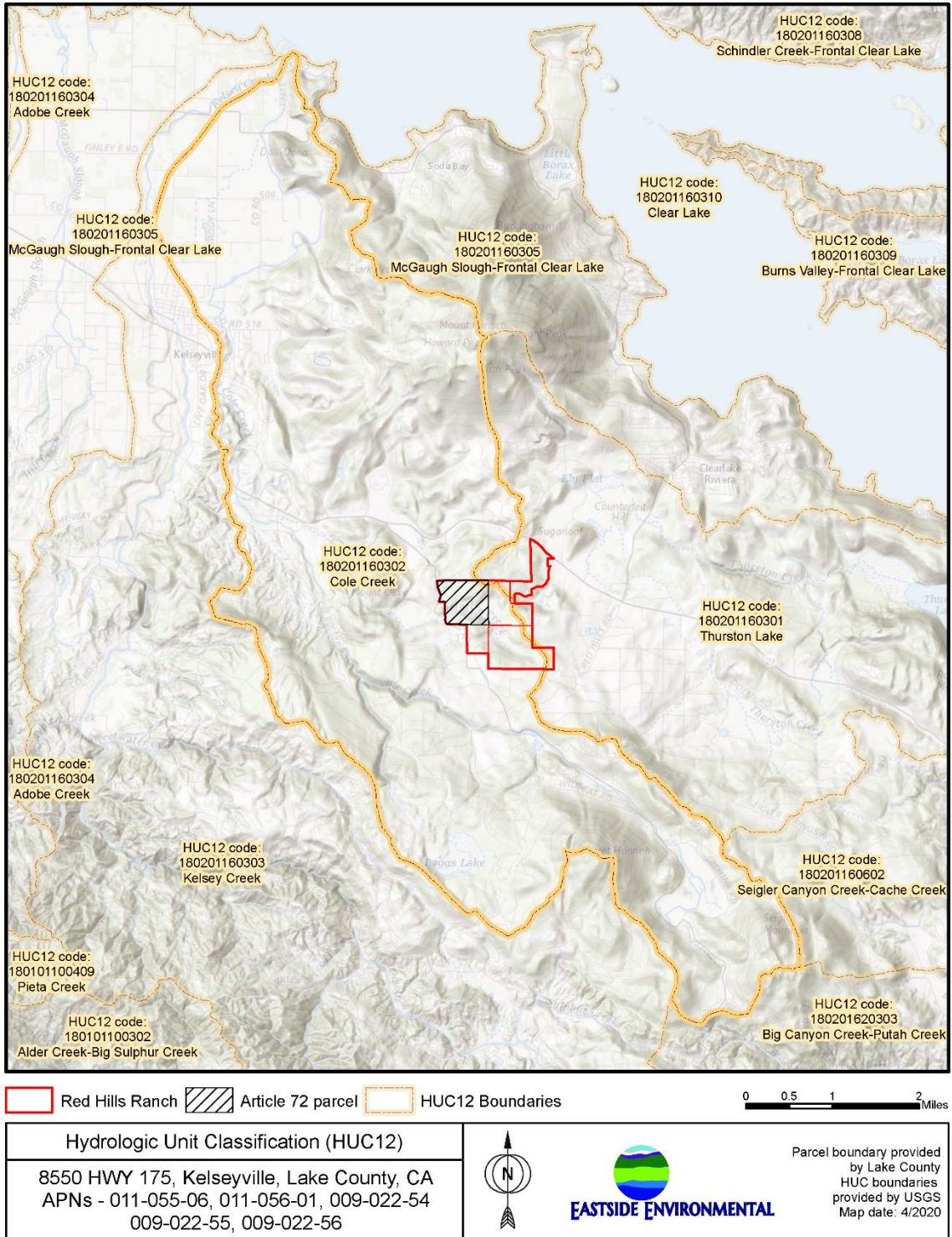
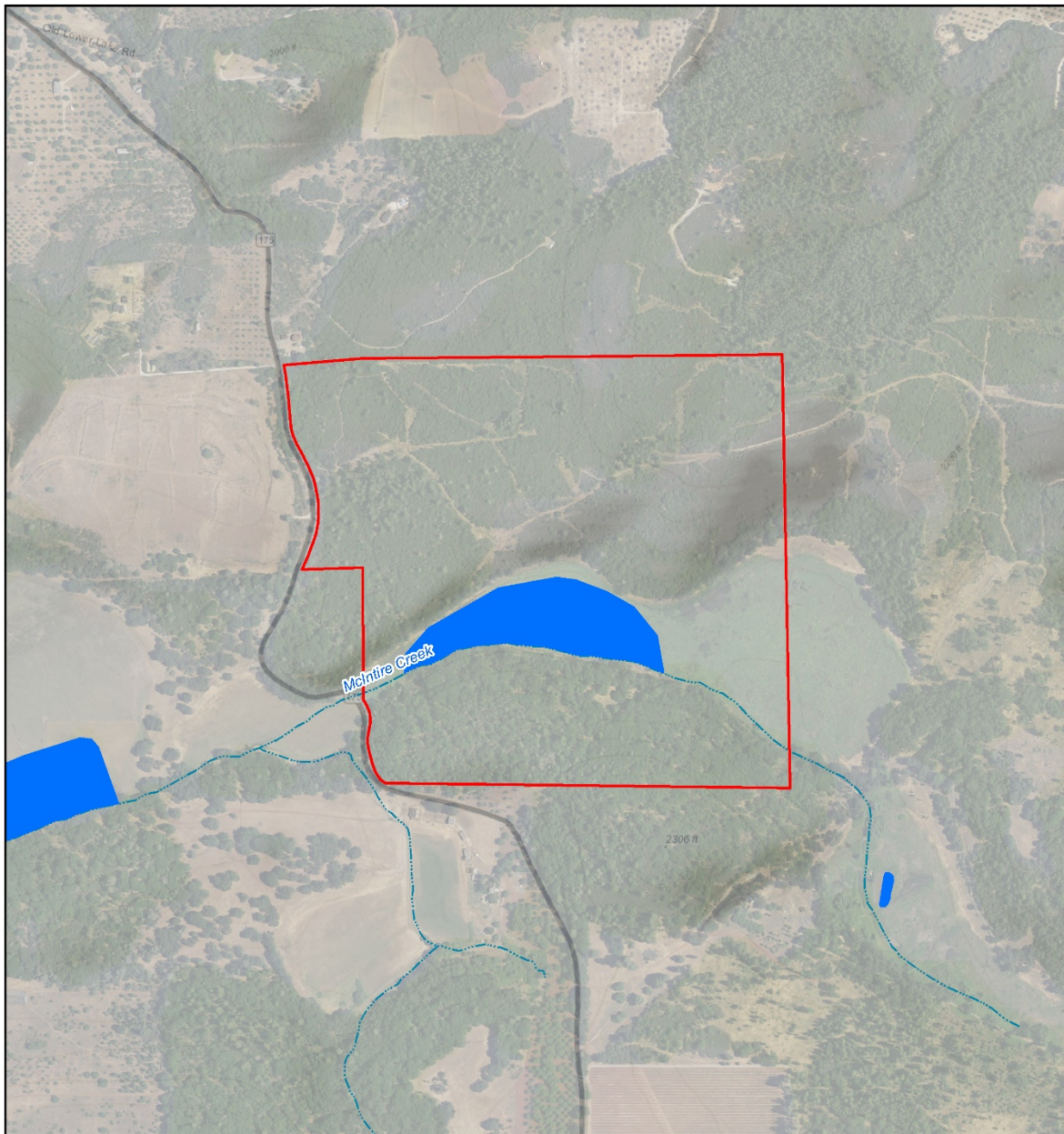


Figure 20. National Hydrography Dataset Map, APN 00902254



Site Boundary
 Lake/Pond
 Stream/River: Hydrographic Category = Intermittent

0 0.25 0.5 1 Miles



National Hydrography Dataset (NHD)		 EASTSIDE ENVIRONMENTAL	Parcel boundary provided by Lake County Imagery (NAIP 2018) NHD provided by USGS Map date: 4/2020
8210 HWY 175 Kelseyville, Lake County, CA APN - 009-022-54			

Figure 21. National Wetlands Inventory Map, APN 00902254

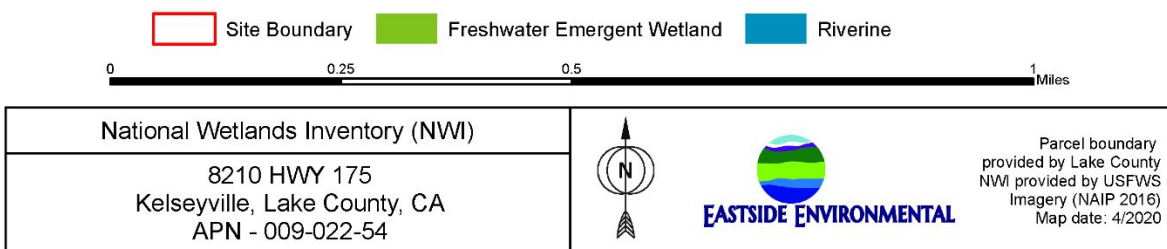
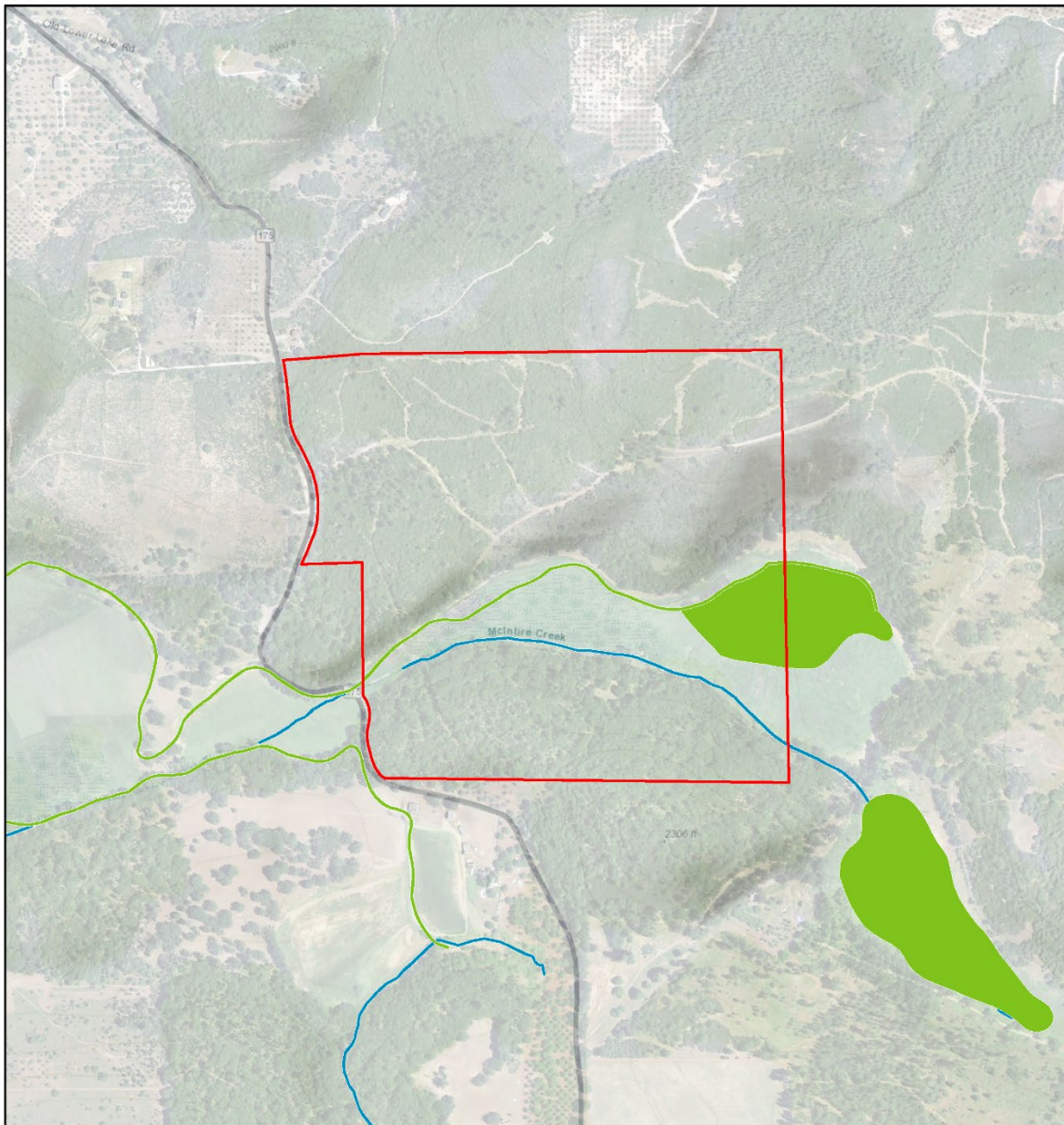


Figure 22. Topographic Map of 8210 HWY 175, Kelseyville, CA



Proposal Statement: Energy Usage

Intent: Permittees shall minimize energy usage.

Energy Sources

The existing onsite residence and RHRP1's outdoor cannabis cultivation operation is/will be connected to the electrical grid serviced by Pacific Gas and Electric. Grid power will serve as the primary energy source to power lights and electrical equipment associated with the commercial cannabis operations.

Gasoline and/or diesel fuel will be used to power some equipment used in the proposed cultivation area(s) and surrounding Project Property (such as weed eaters, lawnmowers, vehicles, and a tractor).

In this section permittees shall:

- a) **Provide energy calculations as required by the California Building Code³.**

Appliance	Number in use	Watts per unit	Hours per day	Total watts per day
Computer	1	120	8	960
Security System	1	450	24	10,800
Water Pump	1	3000	4	12,000
Security Lights	8	60	1	480
Printer	1	45	0.5	22.5
Coffee Maker	1	1500	1	1500
Fans	4	70	24	1680
Dehumidifier	2	280	24	6720
Total				34162.50

Total Watts per Day: 34,162.50; KWh/Day: 34.1625; KWh/Month: 1024.875; KWh per 7-month Cultivation Season: 7174.125

All of the above appliances could be in use at the same time; therefore, the Farm Load for RHRP1's proposed cultivation operation is 5.576 KW (100% Demand Factor).

- b) **Identify energy conservation measures to be taken and maintained including providing proof of compliance with CCR Title 3, Division 8, Chapter 8305 the Renewable Energy Requirements.**

³ The load demand calculations are in accordance with Article 220 Branch-Circuit, Feeder, and Service Calculations, Section V. Farm Load Calculations (220.100 – 220.103) of the 2016 CA Electrical Code.

Energy Conservation Measures

- Schedule pumps, motors, and other energy intensive machinery for operation during off-peak use hours
- Design any proposed new construction to meet net zero energy consumption, if possible;
- Turn off lights and unnecessary electronics when possible;
- Reduce “plug” load by removing personal equipment such as desk lamps and space heaters or installing smart power strips;
- Use energy efficiency features in all technology including computers, data storage, or other devices which consume excess energy;
- Replace and recycle old electronics;
- Provide operations personnel with guidelines and suggestions for energy efficient practices and post laminated guidelines in the proposed Office/Security Center;
- Conduct annual employee energy efficiency training to review energy conservation practices.

RHRP1’s proposed outdoor cannabis cultivation operation is not subject to requirements of CCR Title 3, Division 8, Chapter 8305, which only applies to Indoor and Tier 2 Mixed-Light cultivation operations.

c) If alternative energy sources are to be used, describe those sources and the amount of electricity that will be provided.

RHRP1 is exploring the use of solar energy for electrical generation at the Project parcel; however, this concept is in the research stage. No design work or action has been taken.

d) For indoor cannabis cultivation licensees, ensure that electrical power used for commercial cannabis activity shall be provided by any combination of the following:

- 1) On-grid power with 42 percent renewable source.**
- 2) Onsite zero net energy renewable source providing 42 percent of power.**
- 3) Purchase of carbon offsets for any portion of power above 58 percent not from renewable sources.**
- 4) Demonstration that the equipment to be used would be 42 percent more energy efficient than standard equipment, using 2014 as the baseline year for such standard equipment.**

RHRP1 intends to obtain an outdoor cultivation license. No indoor cultivation facilities are present on the Project parcel.

e) Describe what parameters will be monitored and the methodology of the monitoring program.

RHRP1 management will review all procedures and energy conservation measures annually to determine if energy conservation goals are being met. RHRP1 will consult with an energy professional to ensure that the proposed cultivation operation is in full compliance with local, state, and federal regulations pertaining to energy usage, conservation, and consumption. RHRP1 will:

- Have a local utility service provider conduct a Project energy assessment in 2020 and every three to five years afterwards;
- Maintain electricity bill information for five years;
- Maintain a log of monthly and annual fuel consumption for Project operations;
- Establish goals for energy conservation (based on the energy assessment's findings);
- Make records and all data available to Lake County officials;
- Adjust strategies as needed to meet RHRP1's energy conservation goals.

Figure 23. Energy Load Calculations RHRP1 Commercial Cannabis Operations at APN 00902254

ELECTRICAL LOAD CALCULATION

PROJECT: Red Hills Ranch Office (Trailer 1)
ADDRESS: 8120 hwy 175, Kelseyville, CA

LIGHTING LOAD			
<i>Article 220-03(a)</i>			
Total square footage of living area:	304 @ 3 watts/ft ²	=	912 Watts
<i>Article 220-16(a)</i>			
Two small appliance branch circuits @ 1500 watts each:			3,000 Watts
<i>Article 220-16(a)</i>			
Additional small appliance branch circuits: @ 1500 watts each:	0 @ 1500 watts ea	=	0 Watts
<i>Article 220-16(a)</i>			
Laundry circuits:	0 @ 1500 watts ea	=	0 Watts
		Lighting Load Subtotal =	3,912 Watts
<i>Table 220-11</i>			
First 3000 watts of lighting load:	1 @ 100%	=	3,000 Watts
Remainder from 3001 watts to 120,000 watts:	912 @ 35%	=	319 Watts
Remainder over 120,000 watts:	0 @ 35%	=	0 Watts
		Lighting Load Total =	7,231 Watts
APPLIANCE LOAD			
<i>Article 220-17</i>			
Computer @ 120 watts each:	3 @ 120 watts ea	=	360 Watts
Security System @ 450 watts each:	1 @ 450 watts ea	=	450 Watts
Water Pump @ 3000 watts each:	0 @ 3000 watts ea	=	0 Watts
Security Lights @ 60 watts each:	8 @ 60 watts ea	=	480 Watts
Printer @ 45 watts each:	2 @ 45 watts ea	=	90 Watts
Coffee Maker @ 1500 watts each:	1 @ 1500 watts ea	=	1,500 Watts
Fan @ 70 watts each:	4 @ 70 watts ea	=	280 Watts
Dehumidifier @ 280 watts each:	0 @ 280 watts ea	=	0 Watts
Name Rating of Misc. Appliances:			
	@	watts ea	= 0 Watts
	@	watts ea	= 0 Watts
		Appliance Subtotal =	4,160 Watts
Appliance Total:	4160 watts x .75	=	3,120 Watts

ELECTRIC CLOTHES DRYER	
<i>Article 220-18</i> 5000 watts or name plate rating: _____ Dryer total = 0 Watts	
WATER HEATER (if electric)	
<i>Article 220-3(b)</i> @ name plate rating: _____ Water heater total = 0 Watts	
HOUSEHOLD COOKING EQUIPMENT	
<i>Table 220-19</i> Cooking Units - Includes ranges, wall mounted ovens, countertop units, and other household cooking units. <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">Number of Units -</div> <div style="width: 80%;"> ONE unit use 8000 watts TWO units use 11000 watts THREE units use 14000 watts FOUR units use 17000 watts FIVE units use 20000 watts </div> </div> <div style="text-align: right; padding-top: 20px;"> Cooking Total = 0 Watts </div>	

TOTAL DEMAND ON SYSTEM		
<i>Article 220-10 Sum of all totals:</i>		
Lighting Load Total =	7,231 Watts	
Appliance Total =	3,120 Watts	
Dryer total =	0 Watts	
Water heater total =	0 Watts	
Cooking Total =	11,000 Watts	
Space Heating/Air Conditioning Total =	0 Watts	
Pools/spa Total =	0 Watts	
MISC Equip Total =	0 Watts	
Total Load for Dwelling =	21,351 Watts	
<u>Main Service Sizing:</u>		
Total load =	21,351 Watts	
Volts =	240 V	
Load/Volts =	89 amps	
Minimum Service Size =		125 amps

ELECTRICAL LOAD CALCULATION

PROJECT: Red Hills Ranch Break Room (Trailer 2)

ADDRESS: 8120 hwy 175, Kelseyville, CA

LIGHTING LOAD			
<i>Article 220-03(a)</i>			
Total square footage of living area:	304 @ 3 watts/ft ²	=	912 Watts
<i>Article 220-16(a)</i>			
Two small appliance branch circuits @ 1500 watts each:			3,000 Watts
<i>Article 220-16(a)</i>			
Additional small appliance branch circuits: @ 1500 watts each:	0 @ 1500 watts ea	=	0 Watts
<i>Article 220-16(a)</i>			
Laundry circuits:	0 @ 1500 watts ea	=	0 Watts
	Lighting Load Subtotal =		3,912 Watts
<i>Table 220-11</i>			
First 3000 watts of lighting load:	1 @ 100%	=	3,000 Watts
Remainder from 3001 watts to 120,000 watts:	912 @ 35%	=	319 Watts
Remainder over 120,000 watts:	0 @ 35%	=	0 Watts
	Lighting Load Total =		7,231 Watts
APPLIANCE LOAD			
<i>Article 220-17</i>			
Computer @ 120 watts each:	1 @ 120 watts ea	=	120 Watts
Security System @ 450 watts each:	0 @ 450 watts ea	=	0 Watts
Water Pump @ 3000 watts each:	0 @ 3000 watts ea	=	0 Watts
Security Lights @ 60 watts each:	8 @ 60 watts ea	=	480 Watts
Printer @ 45 watts each:	0 @ 45 watts ea	=	0 Watts
Coffee Maker @ 1500 watts each:	1 @ 1500 watts ea	=	1,500 Watts
Fan @ 70 watts each:	4 @ 70 watts ea	=	280 Watts
Dehumidifier @ 280 watts each:	0 @ 280 watts ea	=	0 Watts
Name Rating of Misc. Appliances:			
	@ _____ watts ea	=	0 Watts
	@ _____ watts ea	=	0 Watts
	Appliance Subtotal =		2,380 Watts
Appliance Total:	2380 watts x .75	=	1,785 Watts

ELECTRIC CLOTHES DRYER											
<i>Article 220-18</i> 5000 watts or name plate rating: Dryer total = 0 Watts											
WATER HEATER (if electric)											
<i>Article 220-3(b)</i> @ name plate rating: Water heater total = 4,500 Watts											
HOUSEHOLD COOKING EQUIPMENT											
<i>Table 220-19</i> Cooking Units - Includes ranges, wall mounted ovens, countertop units, and other household cooking units. <table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">Number of Units -</td> <td>ONE unit use 8000 watts</td> </tr> <tr> <td></td> <td>TWO units use 11000 watts</td> </tr> <tr> <td></td> <td>THREE units use 14000 watts</td> </tr> <tr> <td></td> <td>FOUR units use 17000 watts</td> </tr> <tr> <td></td> <td>FIVE units use 20000 watts</td> </tr> </table> <div style="text-align: right; padding-top: 20px;"> Cooking Total = 8,000 Watts </div>		Number of Units -	ONE unit use 8000 watts		TWO units use 11000 watts		THREE units use 14000 watts		FOUR units use 17000 watts		FIVE units use 20000 watts
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	FOUR units use 17000 watts										
	FIVE units use 20000 watts										

TOTAL DEMAND ON SYSTEM		
<i>Article 220-10 Sum of all totals:</i>		
Lighting Load Total =	7,231 Watts	
Appliance Total =	1,785 Watts	
Dryer total =	0 Watts	
Water heater total =	4,500 Watts	
Cooking Total =	11,000 Watts	
Space Heating/Air Conditioning Total =	0 Watts	
Pools/spa Total =	0 Watts	
MISC Equip Total =	0 Watts	
Total Load for Dwelling =	24,516 Watts	
<u>Main Service Sizing:</u>		
Total load =	24,516 Watts	
Volts =	240 V	
Load/Volts =	102 amps	
Minimum Service Size =		125 amps

Proposal Statement: Water Use

- (a) Intent: To conserve the County's water resources by minimizing the use of water.
- (b) All permitted activities shall have a legal water source on the premises, and have all local, state, and federal permits required to utilize the water source. If the permitted activity utilizes a shared source of water from another site, such source shall be a legal source, have all local, state and federal permit required to utilize the water source, and have a written agreement between the property owner of the site where the source is located and the permitted activity agreeing to the use of the water source and all terms and conditions of that use.

RHRP1 will use two agricultural wells that are located on APNs 00902256 and 00902283 (via easement) for the cannabis cultivation Project. **Figure 24. Well Use Authorization** includes the required written agreement with the parcel owner and easement owners of the agricultural wells.

- (c) Permittee shall not engage in unlawful or unpermitted drawing of surface water.

RHRP1 will not utilize any surface water for the cannabis cultivation Project.

- (d) The use of water provided by a public water supply, unlawful water diversions, transported by a water hauler, bottled water, a water-vending machine, or a retail water facility is prohibited.

RHRP1 intends to use two permitted agricultural wells for the Project water supply.

- (e) Where a well is used, the well must be located on the premises, and adjacent parcel, or piped through a dedicated easement. The production well shall have a meter to measure the amount of water pumped. The production wells shall have continuous water level monitors. The methodology of the monitoring program shall be described. A monitoring well of equal depth within the cone of influence of the production well may be substituted for the water level monitoring of the production well. The monitoring wells shall be constructed and monitoring begun at least three months prior to the use of the supply well. An applicant shall maintain a record of all data collected and shall provide a report of the data collected to the County annually.

RHRP1 will install continuous water level monitors on the two production wells that will be used for the cannabis cultivation Project. RHRP1 will provide an annual report of all well-monitoring data collected to Lake County.

- (f) Water may be supplied by a licensed retail water supplier, as defined in Section 13575 of the Water Code, on an emergency basis. The application shall notify the Department within 7 days of the emergency and provide the following information:
 - a. A description of the emergency.
 - b. Identification of the retail water supplier including the license number.
 - c. The volume of water supplied.
 - d. Actions taken to prevent the emergency in the future.

(g) All permittees shall prepare a Water Use/water availability analysis prepared by a qualified individual. Said plan shall:

a. Identify the source of water, including location, capacity, and documentation that it is a legal source.

The sources of water for RHRP1 commercial cannabis operations are two groundwater irrigation wells; one located on parcel APN 00902256 and on parcel APN 00902283 (via easement). Location coordinates of the groundwater wells are 38°56'2.77"N, - 122°45'28.52"W for the well located on APN 00902256 and 38°55'52.53"N, - 122°45'11.01"W for the well located on APN 00902283. According to the well driller's logs, the wells have an estimated capacity of 500 gallons per minute each. The following documents are attached to this Proposal Statement and Property Management Plan: official State of CA-filed Well Completion Report (**Figures 25 & 26**); Water Demand and Water Availability Analysis prepared for the Stocking Vineyard Project⁴ (**Figure 27**), and the well-parcel landowner authorization for commercial cannabis operations (**Figure 28**).

b. Describe the proposed irrigation system and methodology.

All irrigation systems for the commercial cannabis operations are designed to efficiently deliver water via drip tubing and micro-sprinkler materials to minimize water loss due to evaporation. Irrigation water for the proposed commercial cannabis operations will be pumped from the groundwater well to water storage tanks positioned above the proposed canopy area via an HDPE water supply line. The water storage tanks will be equipped with a float valve to stop the flow of water from the well when the tanks are full. An HDPE water supply line will be run from the water storage tanks to the irrigation system of the proposed cultivation area to the irrigation system. The water supply lines will be equipped with shutoff valves and inline water meters compliant with California Code of Regulations, Title 23, Division 3, Chapter 2.7. The irrigation system of the proposed cultivation area(s) will be composed of PVC piping, black poly tubing, and drip tapes/lines. Supplemental irrigation may be applied by hand using garden hoses.

c. Describe the amount of water projected to be used on a monthly basis for irrigation and separately for all other uses of water to be withdrawn from each source of water on a monthly basis.

t

⁴ Aspegren, Drew L. P.E., Stocking Erosion Control Plan Water Demand and Water Availability Analysis. Napa Valley Vineyard Engineering, Inc. St. Helena, CA. May 30, 2018.

Table 1. Groundwater use estimates for 8210 HWY 175, Kelseyville, CA Cultivation Project

<i>Type of Water Use</i>	<i>Projected amount of groundwater use</i>
Crop irrigation	2.35 million gallons per month average for May-Nov
Domestic	180,000 gallons per month
Firebreak maintenance	243,000 gallons per month
Ranch operations	234,000 gallons per month

- **Provide calculations as to the efficiency of the irrigation system using the methodology of the Model Water Efficient Landscape Ordinance (California Code of Regulations, Title 23, Division2, Chapter 27).**

Table 2. Irrigation Efficiency Calculations for 8210 HWY 175, Kelseyville, CA Cultivation Project

<i>Hydrozone</i>	<i>Plant Water Use Type(s)</i>	<i>Plant Factor (PF)⁵</i>	<i>Hydrozone Area (HA)⁶ (ft²)</i>	<i>PF x HA (ft²)</i>
Cultivation Area(s)	Moderate/Medium ⁷	0.4- 0.6	1,132,560	453,024 – 679,536
Companion Herbs/Plants	Low ⁸	0-0.3	566,280	0 – 169,884

<i>Quantification</i>	<i>Formula</i>	<i>Equation</i>	<i>Result</i>
Maximum Applied Water Allowance ⁹	MAWA=(ETo) (0.62) [(0.7 x LA) + (0.3 x SLA)] ¹⁰	(49.4) (0.62) [(0.7 x 1,698,840) + (0.3 x 566,280)]	41,625,657.21 gallons

⁵ PF = Plant Factor from Water Use Classification of Landscape Species

⁶ HA = Hydrozone Area (high, medium, and low water use areas);

⁷ Hops (*Humulus lupulus*) was used as an analog for Cannabis (Cannabis, Corn, Tomatoes, and Alfalfa are not listed in Water Use Classification of Landscape Species for the Clearlake Region);

⁸ Lavender (*Lavandula spp.*) was used to represent the fragrant flowering, beneficial insect attracting, and naturally insecticidal companion plants to be grown throughout cultivation operation;

⁹ (MAWA), measured in gallons per year;

¹⁰ ETo = Reference Evapotranspiration (inches per year); 0.62 = Conversion Factor (to gallons); 0.7 = ET Adjustment Factor (ETAF); LA = Landscape Area including SLA (square feet); 0.3 = Additional Water Allowance for SLA; SLA = Special Landscape Area (square feet);

Estimated Total Water Use per year ¹¹	ETWU = (ETo) (0.62) [(PF x HA/IE) + SLA)] ¹²	ETWU = (49.4) (0.62) [(0.6 x 1,132,560/0.88) + 566,280]	40,994,965.44 gallons
--	---	---	-----------------------

RHRP1's proposed cannabis cultivation operation has a Maximum Applied Water Allowance greater than its Estimated Total Water Use.

RHRP1 anticipates that the actual water usage of their proposed cultivation operation will be less than 14,500,000 gallons per year (based on water usage data from existing cannabis cultivation operations on another ranch parcel), which is approximately 35 percent of the MAWA for the proposed cultivation operation and 35.3 percent of its ETWU.

¹¹ ETWU = Estimated total water use (measured in gallons);

¹² PF = Plant Factor from Water Use Classification of Landscape Species; HA = Hydrozone Area [high, medium, and low water use areas] (square feet); SLA = Special Landscape Area (square feet); 0.62 = Conversion Factor to gallons; IE = Irrigation Efficiency (Micro-spray Irrigation System Design Efficiency = 82%, Drip Irrigation System Design Efficiency = 88%)

Figure 24. Well Use Authorization

RECORDING REQUESTED BY
AND WHEN RECORDED RETURN TO:

John F. Gardner
Donahue Fitzgerald LLP
1646 N. California Blvd, Suite 250
Walnut Creek, CA 94596

Above space for Recorder's use only

This is a conveyance of an easement and the consideration
and value is less than \$100.00 (*R&T §11911*).

The undersigned Grantor declares that the documentary
transfer tax due is \$0 computed on the full value of
property conveyed.

WATER EASEMENT AGREEMENT

This Water Easement Agreement ("**Agreement**") is entered into as of October 5, 2020 by and between Anna P. Kirchner trustee of THE KIRCHNER FAMILY TRUST, Sarah E. Harper trustee of THE HARPER FAMILY TRUST, William Seamus Porter trustor of THE WILLIAM SEAMUS PORTER FAMILY TRUST, Thomas Henry Porter trustor of THE THOMAS H. PORTER FAMILY TRUST and Bryant Stocking managing member of S & S FAMILY LLC, a California limited liability company (collectively, "**Grantor**"), and Anna P. Kirchner trustee of THE KIRCHNER FAMILY TRUST, Sarah E. Harper trustee of THE HARPER FAMILY TRUST, William Seamus Porter trustor of THE WILLIAM SEAMUS PORTER FAMILY TRUST AND Thomas Henry Porter trustor of THE THOMAS H. PORTER FAMILY TRUST (collectively, "**Grantee**").

RECITALS

- A. Grantor is the owner of the real property described in Exhibit A, attached hereto and incorporated herein by reference (the "**Grantor Property**") and has an exclusive easement for the use of a well located on an adjoining property.
- B. Grantee is the owner of the real property described in Exhibit B, attached hereto and incorporated herein by reference (the "**Grantee Property**").
- C. The parties desire to provide, for the benefit of the Grantee Property, a water easement over, across, under and through the Grantor Property to access and utilize two (2) groundwater

irrigation wells and related facilities subject to the terms and conditions of this Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing recitals, the mutual promises, covenants and agreements hereinafter set forth, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Grant of Water Easement over the Grantor Property. Grantor hereby grants to Grantee a perpetual, irrevocable, non-exclusive appurtenant easement, consisting of the right from time to time to inspect, maintain, repair, remove, replace, operate and utilize two (2) groundwater irrigation wells and related facilities for commercial cannabis operations, agricultural operations, and related activities, together with a right of way for such use and ingress to and egress from two (2) groundwater irrigation wells, one of which is located on the Grantor Property and the other is located on an adjoining property to which Grantor Property has an exclusive easement as more particularly described in Exhibit C attached hereto and incorporated herein by this reference (collectively, the “**Easement**”). The existing groundwater wells have been constructed as depicted on the map attached hereto as Exhibit D and incorporated herein by this reference, and the location coordinates of which are 38°56'2.77"N, - 122°45'28.52"W for the well located on APN 00902256 and 38°55'52.53"N, - 122°45'11.01"W for the well located on APN 00902283 (via easement) (the “**Well Area**”). Grantee shall not have the right to construct additional groundwater wells without the prior consent of Grantor, which may be withheld in Grantor’s sole and absolute discretion.

2. Scope of Easement. The Easement shall be used by Grantee as Grantee deems necessary or convenient in connection with Grantee’s commercial cannabis operations and agricultural operations on the Grantee Property. Any waterlines or other improvements constructed by Grantee shall be subject to the prior written consent of Grantor, which shall not be unreasonably withheld or delayed for an unreasonable period of time.

3. Grantor’s Use of Easement and Well Area; Improvements. Grantor hereby reserves, for itself, its successors and assigns, the right to use the Easement and Well Area for any purpose; provided that Grantor shall not erect or construct any building, improvement, fencing, or structure (collectively, “**Improvements**”) or otherwise conduct activities in the Well Area which may impair or prevent Grantee’s use of the Well Area for the purposes specified herein. To the extent removal of any new Improvements constructed by Grantor is necessary for Grantee to exercise its rights under this instrument, Grantor shall be solely responsible for the costs of removal of such Improvements, and Grantee shall have no obligation to repair or replace any such Improvements. Grantor shall not engage in any activity that will damage or is reasonably likely to damage, Grantee’s facilities and equipment in the Well Area.

4. Maintenance and Repair of Well Area. Grantee agrees, at its sole cost, to keep all facilities and equipment of Grantee in the Well Area in good condition and repair, subject only to ordinary wear and tear. In the event Grantee damages the surface of the Well Area or

improvements thereon installed by or for Grantor, Grantee shall, at its cost, repair the damage caused by the activities of Grantee and make commercially reasonable efforts to restore the surface of the Well Area, as reasonably possible, to the condition in which such surface area and improvements existed at the commencement of the activities of Grantee which caused such damage. In no event shall Grantee be obligated to repair damage caused by activities other than the activities of Grantee.

5. Indemnity. Each party to this Agreement is an Indemnitor (hereinafter referred to as “**Indemnitor**”), and agrees to indemnify, defend, and hold harmless the other party and such other party’s officers, directors, shareholders, employees, contractors, licensees, tenants, agents, and representatives (who will be referred to herein, individually and collectively, as the “**Indemnitee**”) from and against any claims, demands, actions, proceedings, liabilities, losses, damages, liens, costs and expenses (including court costs and reasonable attorney, experts’, and consultants’ fees and costs) of any nature whatsoever, at law or in equity arising directly or indirectly out of or relating to the following acts with respect to the Easement or rights granted under this Agreement:

- a. any negligence, willful misconduct, or intentional act of Indemnitor or any of Indemnitor’s employees, contractors, agents, tenants, or licensees;
- b. any use, transport, storage, release, or disposal of any hazardous materials by Indemnitor or any employee, contractor, licensee, tenant, or agent of any Indemnitor; and
- c. any breach of Indemnitor’s obligations under this Agreement.

6. Amendment. This Agreement may be amended, modified, or supplemented only by a writing signed by both parties.

7. Interpretation. The parties have jointly participated in the negotiation and drafting of this Agreement, and this Agreement shall be construed fairly and equally for the parties, without regard to any rules of construction relating to the party who drafted a particular provision of the Agreement.

8. Governing Law. This Agreement shall be governed by, interpreted under, and construed and enforced in accordance with the laws of the State of California.

9. Attorney Expert, Consultant Fees and Costs. The prevailing party in any action or proceeding to enforce or interpret this Agreement or otherwise arising out of or in connection with the subject matter of this Agreement (including, but not limited to, any suit, arbitration, entry of judgment, postjudgment motion, or enforcement, appeal, bankruptcy litigation, attachment, or levy) shall be entitled to recover its costs and expenses, including, but not limited to, reasonable attorney, experts’, and consultants’ fees and costs, at trial and on appeal.

10. Successors and Assigns. This Agreement shall be binding on and shall inure to the benefit of the parties to this Agreement and their respective heirs, personal and legal

representatives, successors, and assigns. As used herein, the term “**Grantor**” shall include all subsequent owners of the land subject to the easement granted hereby. The terms hereof shall run with the Easement. As used herein, the term “**Grantee**” shall include all subsequent owners of the Grantee Property granted hereby. That Grantor covenants that Grantor has good right and title to grant the foregoing easement, and that Grantor and its successors and assigns shall warrant and defend the same unto Grantee, its successors and assigns, forever, against the lawful claims and demands of all persons.

[Signature page follows]

IN WITNESS WHEREOF, Grantor and Grantee have duly executed this instrument as of the day and year first above written.

GRANTOR:

THE KIRCHNER FAMILY TRUST

By: Anne P. K
Name: Anne P. Kirchner
Title: Trustee

THE HARPER FAMILY TRUST

By: Sarah E Harper
Name: Sarah E Harper
Title: Trustee

**THE WILLIAM SEAMUS PORTER
FAMILY TRUST**

By: William Seamus Porter
Name: William Seamus Porter
Title: Trustor

**THE THOMAS H. PORTER FAMILY
TRUST**

By: Thomas H. Porter
Name: Thomas Henry Porter
Title: Trustor

S & S FAMILY LLC
a California limited liability company

By: Bryant Stocking
Name: Bryant Stocking
Title: Managing Member

GRANTEE:

THE KIRCHNER FAMILY TRUST

By: Anna P. K
Name: Anna Petrina Kirchner
Title: Trustee

THE HARPER FAMILY TRUST

By: Sarah E Harper
Name: Sarah E Harper
Title: Trustee

**THE WILLIAM SEAMUS PORTER
FAMILY TRUST**


By: Will S. Porter
Name: William Seamus Porter
Title: Trustee

**THE THOMAS H. PORTER FAMILY
TRUST**

By: Th H. Porter
Name: Thomas Henry Porter
Title: Trustee

CALIFORNIA ACKNOWLEDGMENT
California Civil Code Section 1189

STATE OF CALIFORNIA)
COUNTY OF Solano)

 N. DANG
NOTARY PUBLIC - CALIFORNIA
COMMISSION # 2259877
SOLANO COUNTY
My Comm. Exp. October 23, 2022

65

ALL SIGNATURES MUST BE NOTARIZED

CALIFORNIA ACKNOWLEDGMENT
California Civil Code Section 1189

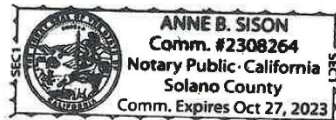
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
)
COUNTY OF SOLANO

On October 5, 2020 before me, Anne B. Sison, a
notary public, personally appeared Anna Kirchner and Sarah Harper
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I CERTIFY UNDER PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal



Anne B. Sison
Signature of Notary Public

[SEAL]

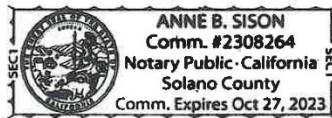
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
COUNTY OF SOLANO)

On October 5, 2020 before me, Anne B. Sison, a notary public, personally appeared William Porter and Thomas Porter who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I CERTIFY UNDER PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal



Anne B. Sison
Signature of Notary Public

[SEAL]

EXHIBIT A

LEGAL DESCRIPTION OF THE GRANTOR PROPERTY

[Attached.]

EXHIBIT A

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE UNINCORPORATED AREA IN COUNTY OF LAKE, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

PARCEL 2, AS SHOWN ON A MAP FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAID LAKE COUNTY ON AUGUST 16, 2001 IN BOOK 36 OF PARCEL MAPS AT PAGE 8, LAKE COUNTY RECORDS.

EXCEPTING FROM SAID LANDS THE GEOTHERMAL RIGHTS LYING BELOW A DEPTH OF 2,000 FEET BENEATH THE SURFACE, AS RESERVED BY WILLIAM F. BOHN, ET AL. TO MARJORIE L. NEASHAM, RECORDED OCTOBER 1, 1986 IN BOOK 1332, PAGE 713, OF OFFICIAL RECORDS.

ALSO EXCEPTING FROM SAID LANDS THE GEOTHERMAL RIGHTS LYING BELOW A DEPTH OF 2,000 FEET BENEATH THE SURFACE, AS RESERVED BY ROBERT H. VAN LIER TO STACEY T.J. WONG, RECORDED OCTOBER 28, 1986 IN BOOK 1336, PAGE 439, OF OFFICIAL RECORDS.

ALSO EXCEPTING FROM SAID LANDS ALL THE GEOTHERMAL STEAM AND ASSOCIATED GEOTHERMAL RESOURCES AS RESERVED IN A PATENT FROM THE UNITED STATES OF AMERICA TO CAL-BLMX, INC., A CALIFORNIA CORPORATION, RECORDED DECEMBER 22, 1998, INSTRUMENT NO. 98-021848, OF OFFICIAL RECORDS.

APN: 009-022-560

EXHIBIT B

LEGAL DESCRIPTION OF THE GRANTEE PROPERTY

[Attached.]

EXHIBIT B

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE UNINCORPORATED AREA IN COUNTY OF LAKE, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

TRACT ONE:

THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 12 NORTH, RANGE 8 WEST, M.D.M.

TRACT TWO:

THE NORTHEAST QUARTER AND THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 5, TOWNSHIP 12 NORTH, RANGE 8 WEST, M.D.M.

EXCEPTING THEREFROM ALL THAT PORTION THEREOF DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5, TOWNSHIP 12 NORTH, RANGE 8 WEST, M.D.M., AND RUNNING NORTH 911 FEET ALONG THE LINE RUNNING NORTH AND SOUTH THROUGH THE CENTER OF SAID SECTION 5; THENCE WEST PARALLEL TO THE SOUTH LINE OF SAID SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 5 TO THE WEST LINE THEREOF; THENCE SOUTH, ALONG SAID WEST LINE, 911 FEET TO THE SOUTHWEST CORNER OF SAID SOUTHEAST QUARTER OF NORTHWEST QUARTER OF SECTION 5; THENCE EAST ALONG THE SOUTH LINE OF SAID SOUTHEAST QUARTER OF NORTHWEST QUARTER 1320 FEET TO THE PLACE OF BEGINNING.

TRACT THREE:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 31, TOWNSHIP 13 NORTH, RANGE 8 WEST, M.D.M., LYING EAST OF THE PUBLIC ROAD LEADING FROM KELSEYVILLE TO ADAMS SPRINGS.

TRACT FOUR:

THE SOUTHWEST QUARTER; THE WEST HALF OF THE SOUTHEAST QUARTER AND THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 32, TOWNSHIP 13 NORTH, RANGE 8 WEST, M.D.M.

APN: 011-055-061

EXHIBIT C

LEGAL DESCRIPTION OF THE EASEMENT

[Include legal description of Grantor Property and exclusive easement on adjoining property]

[Attached.]

C-1

#4844-0892-9480.2

EXHIBIT C

REAL PROPERTY IN THE UNINCORPORATED AREA OF THE COUNTY OF LAKE,
STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

TRACT ONE:

THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 4,
TOWNSHIP 12 NORTH, RANGE 8 WEST, M.D.M.

TRACT TWO:

THE NORTHEAST QUARTER AND THE EAST HALF OF THE NORTHWEST
QUARTER OF SECTION 5, TOWNSHIP 12 NORTH, RANGE 8 WEST, M.D.M.

EXCEPTING THEREFROM ALL THAT PORTION THEREOF DESCRIBED AS
FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF THE SOUTHEAST QUARTER OF
THE NORTHWEST QUARTER OF SECTION 5, TOWNSHIP 12 NORTH, RANGE 8
WEST, M.D.M., AND RUNNING NORTH 911 FEET ALONG THE LINE RUNNING
NORTH AND SOUTH THROUGH THE CENTER OF SAID SECTION 5; THENCE
WEST PARALLEL TO THE SOUTH LINE OF SAID SOUTHEAST QUARTER OF THE
NORTHWEST QUARTER OF SECTION 5 TO THE WEST LINE THEREOF; THENCE
SOUTH, ALONG SAID WEST LINE, 911 FEET TO THE SOUTHWEST CORNER OF
SAID SOUTHEAST QUARTER OF NORTHWEST QUARTER OF SECTION 5;
THENCE EAST ALONG THE SOUTH LINE OF SAID SOUTHEAST QUARTER OF
NORTHWEST QUARTER 1320 FEET TO THE PLACE OF BEGINNING.

TRACT THREE:

ALL THAT PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST
QUARTER OF SECTION 31, TOWNSHIP 13 NORTH, RANGE 8 WEST, M.D.M.,
LYING EAST OF THE PUBLIC ROAD LEADING FROM KELSEYVILLE TO ADAMS
SPRINGS.

TRACT FOUR:

THE SOUTHWEST QUARTER; THE WEST HALF OF THE SOUTHEAST QUARTER
AND THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION
32, TOWNSHIP 13 NORTH, RANGE 8 WEST, M.D.M.

APN: 011-055-061; 011-056-011; 009-022-541; 009-022-551

EXHIBIT D

MAP OF THE WELL AREA

[Attached.]

D-1

#4844-0892-9480.2

Figure 25. Well Completion Report #1 for APN 009-022-056

ORIGINAL
File with DWR
Page 1 of 1

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. **e013580**

Owner's Well No. Well #2-04
Date Work Began 5/10/2004, Ended 5/17/2004
Local Permit Agency Lake County Environmental Mgmt
Permit No. 3438 Permit Date 4/22/2004

DWR USE ONLY - DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE
LONGITUDE
APN/TRACT/OTHER

GEOLOGIC LOG

ORIENTATION (✓)		DRILLING METHOD	FLUID	DESCRIPTION
VERTICAL		ROTARY	AIR	Describe material, grain, size, color, etc.
DEPTH FROM SURFACE FL to FL				
0	45			RED CLAY
45	55			RED VOLCANICS
55	60			OBSIDIAN
60	220			RED VOLCANICS
220	560			GREY VOLCANICS

WELL OWNER
Name Rich Stadelhofer
Mailing Address P.O. Box 252
Calistoga CA 94515
CITY STATE ZIP

WELL LOCATION
Address 7765 Highway 29
City Kesleyville CA
County Lake
APN Book 009 Page 022 Parcel 56
Township Range Section
Latitude DEG. MIN. SEC.

LOCATION SKETCH
NORTH
Hwy. 29
1000'
WELL
400'
WEST
EAST
SOUTH
Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
☒ NEW WELL
MODIFICATION/REPAIR
Deepen
Other (Specify)
DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
PLANNED USES (✓)
WATER SUPPLY
Domestic
Public
Irrigation
Industrial
MONITORING
TEST WELL
CATHODIC PROTECTION
HEAT EXCHANGE
DIRECT PUSH
INJECTION
VAPOR EXTRACTION
SPARGING
REMEDIATION
OTHER (SPECIFY)

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER 280 (FL) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 242 (FL) & DATE MEASURED 5/17/2004
ESTIMATED YIELD 500 (GPM) & TEST TYPE air lift
TEST LENGTH 2 (Hrs.) TOTAL DRAWDOWN N/A (FL)
May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE FL to FL	BORE-HOLE DIA. (Inches)	TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	60	15				
60	560	12				
0	375	✓	PVC F480	8	SDR-21	
375	495	✓	PVC F480	8	SDR-21	.032
495	515	✓	PVC F480	8	SDR-21	
515	555	✓	PVC F480	8	SDR-21	.032

ANNULAR MATERIAL

DEPTH FROM SURFACE FL to FL	CE- MENT (✓)	BEN- TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	52	✓		
52	555		✓	CONCRETE #6 SAND

ATTACHMENTS (✓)
Geologic Log
Well Construction Diagram
Geophysical Log(s)
Soil/Water Chemical Analysis
Other

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME HUCKFELDT WELL DRILLING
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
Address 2110 Penny Lane Napa CA 94559
CITY STATE ZIP
Signed [Signature] DATE SIGNED 06/18/04 439-746
WELL DRILLER/AUTHORIZED REPRESENTATIVE C-S7 LICENSE NUMBER

ACH ADDITIONAL INFORMATION, IF IT EXISTS.

DWR 188 REV. 11-97 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Figure 26. Well Completion Report #2 for APN 009-022-056

009-022-546

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. Well #1-04

Date Work Began 4/19/2004, Ended 5/6/2004

Local Permit Agency Lake County Environmental Mgmt

Permit No. 3433 Permit Date 4/6/2004

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. **e013579**

DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE
LONGITUDE
APN/OTHER

GEOLOGIC LOG

ORIENTATION (✓) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE (SPECIFY)

DEPTH FROM SURFACE
FL to FL

DRILLING METHOD ☒ ROTARY ☐ FLUID bentonite

DESCRIPTION
Describe material, grain, size, color, etc.

0	20	WHITE VOLCANIC TUFF/ASH
20	100	GRAY VOLCANIC ASH
100	140	GRAY & WHITE VOLCANICS
140	160	GRAY ASH
160	260	GRAY FRACTURED VOLCANICS
260	560	GRAY & WHITE VOLCANICS
CONTINUED CASING LAYOUT		
477	497	BLANK PVC 8"
497	537	SCREEN PVC 8" .032 SLOT
537	547	BLANK PVC 8"

WELL OWNER

Name Rich Stadelhofer

Mailing Address P.O. Box 252 CA 94515

City Calistoga STATE CA ZIP 94515

WELL LOCATION

Address 7765 Highway 29

City Kelseyville CA

County Lake

APN Book 009 Page 022 Parcel 56

Township Range Section

Latitude DEG. MIN. SEC.

LOCATION SKETCH

NORTH

WEST

EAST

SOUTH

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)

☒ NEW WELL

MODIFICATION/REPAIR
☐ Deepen
☐ Other (Specify)

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (✓)

WATER SUPPLY
☒ Domestic ☐ Public
☒ Irrigation ☐ Industrial

MONITORING
☐ TEST WELL
☐ CATHODIC PROTECTION
☐ HEAT EXCHANGE
☐ DIRECT PUSH
☐ INJECTION
☐ VAPOR EXTRACTION
☐ SPARGING
☐ REMEDIATION
☐ OTHER (SPECIFY)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 220 (FL) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 162 (FL) & DATE MEASURED 5/6/2004

ESTIMATED YIELD 500 (GPM) & TEST TYPE air lift

TEST LENGTH 2 (Hrs.) TOTAL DRAWDOWN N/A (FL)

May not be representative of a well's long-term yield.

CASING (S)

DEPTH FROM SURFACE FL to FL	BORE-HOLE DIA. (Inches)	TYPE (✓) BLANK SCREEN CON- DUCTOR FILL PIPE	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0	60	15				
60	560	12				
0	297		PVC F480	8	SDR-21	
297	377		PVC F480	8	SDR-21	.032
377	397		PVC F480	8	SDR-21	
397	477		PVC F480	8	SDR-21	.032

ANNULAR MATERIAL

DEPTH FROM SURFACE FL to FL	CE- MENT (✓)	BEN- TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	52			
52	547			CONCRETE #6 SAND

ATTACHMENTS (✓)

☐ Geologic Log

☐ Well Construction Diagram

☐ Geophysical Log(s)

☐ Soil/Water Chemical Analysis

☐ Other

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

DWR 168 REV. 11-97

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME HUCKFELDT WELL DRILLING

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

Address 2110 Penny Lane

City Napa STATE CA ZIP 94559

Signed [Signature] DATE SIGNED 06/04/04 C-57 LICENSE NUMBER 439-746

WELL DRILLER/AUTHORIZED REPRESENTATIVE

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Figure 27. Water Demand and Water Availability Analysis prepared for the Stocking Vineyard Project

NAPA VALLEY VINEYARD ENGINEERING, INC.
176 MAIN STREET, SUITE B
ST. HELENA, NAPA VALLEY, CALIFORNIA 94574
(707) 963-4927 nvvedia@covad.net

DREW L. ASPEGREN, P.E.
CIVIL ENGINEER



STOCKING EROSION CONTROL PLAN
WATER DEMAND AND WATER AVAILABILITY ANALYSIS
May 30, 2018

Water Demand

It is proposed that the new vineyard (259.02 net acres) will be irrigated using groundwater. The average annual water demand is:

$$(259.02 \text{ vine acres})(1089 \text{ vines/ac}) = 282,073 \text{ vines}$$
$$(282,073 \text{ vines})(100 \text{ gal/vine/yr})/(325,851 \text{ gal/af}) = 86.6 \text{ afa (acre-feet per annum)}$$

Allowing 0.5 afa for other minor agricultural uses, total average vineyard water use is expected to be ± 87.1 afa

There are no other uses for water on the property.

Water Availability

The soils mapped for the subject property are Aiken-Sobranite Association, Benridge-Konocti Association, Bottlerock-Glenview-Arrowhead complex and Clear Lake Variant clay, drained, all of which are derived from the underlying volcanic parent material. It has been estimated that about 9-13% of rainfall which falls on these volcanics can percolate into the underlying formation and appear in the deep aquifers (USGS Water Resources Investigation 77-82, Michael Johnson, 1977); the remaining 87-91% flows off site as direct runoff or is held in the topsoils to be evapotransported by surface vegetation.

The five parcels plus easements total some 666.5 acres overlying these volcanic formations, and the average annual rainfall is $\pm 32"$ (USGS Isohyetal Map, Mean Annual Precipitation in the California Region, S.E. Rantz, 1972). On average, the property will receive $\pm 1,777$ af of rainfall ($666.5 \text{ ac} \times 32" = 1,777.33 \text{ af}$). Using a conservative estimate of 10% appearing as annual groundwater recharge, it is expected that the Stocking properties would contribute an average of about 178 af to the groundwater supply annually.

The Isohyetal Rainfall map shows that Ukiah and Stocking Vineyards have approximately the same average annual rainfall (32"). NOAA rainfall records for Ukiah show that 17.11" fell during 2013-14 and 24.73" during 2014-15. We consider 2014-15 to be a "dry year"; ($\pm 77\%$ of average) and 2013-14 to be an "extremely dry year: ($\pm 53\%$ of average). Assuming the same rainfall at Stocking Vineyards, and using the same analysis presented above, it is expected that for 2013-14, ± 950 acre-feet (af) would fall on the 666.5 acre property, and ± 95 af would appear as groundwater. Similarly, for 2014-15, $\pm 1,373$ af would fall on the property and ± 137 af would appear as groundwater.

Conclusions

Total average annual water demand is ± 87.1 afa, or about 49% of the subject properties' average annual groundwater recharge. Further, the 87.1 afa total water demand then would be $\pm 92\%$ (87/95) of the 2013-14 rainfall contribution to groundwater, and $\pm 63\%$ (87/137) during 2014-15. Over the long term, it is expected that using groundwater to support the proposed project will not diminish the underlying aquifer. Even during those back to back dry years, it is expected that vineyard irrigation would not have diminished the underlying aquifer nor impacted other wells.

Proposal Statement: Pest Management

Intent: To ensure consistency of pest management with the other sections of the Property Management Plan.

RHRP1's pest management practices are primarily preventative, via an integrated ecosystem-based approach that uses a combination of techniques such as beneficial insects and beneficial fungi, horticultural oils, intercropping, and the use of pest resistant varieties/strains. RHRP1 shall conduct daily pest monitoring to prevent pest outbreaks.

This section shall describe how cultivation and nursery permittees will comply with the following pesticide application and storage protocols:

a. Complying with the California Food and Agriculture Code, Division 6 Pest Control Operations and Division 7 Agriculture Chemical; Chapter 1-3.6 and California Code of Regulations, Division 6 Pest Control Operations.

Cannabis cultivators using pesticides in the production of cannabis for commercial purposes must obtain an Operator Identification Number (OID) from their County's Department of Agriculture.

Pesticide Use Reports (PURs) must be submitted for any pesticide requiring reporting as determined by the US Department of Agriculture (USDA) and the California Department of Pesticide Regulation (CDPR). PURs are required to be submitted by the 10th day of the month following the month in which the work was performed. PURs can be submitted either electronically through the CalAg Permits website or by using the appropriate paper form.

RHRP1 will only use pesticides approved by the California Department of Food and Agriculture (CDFA) and the California Department of Pesticide Regulation (CDPR) for use on cannabis plants. RHRP1 will only apply pesticides at a rate consistent with pesticide label directions and will adhere to all State and County pesticide use reporting requirements.

RHRP1 personnel who are involved in the application or handling of pesticides must first complete Pesticide Handler safety training as described in 40 Code of Federal Regulations, Section 170.230. Personnel will be trained how to appropriately prepare and apply pesticides before being allowed to use them. Each employee training record will be verified by the employee's signature, and a copy of this record will be maintained on-site.

Personnel will be required to wear personal protective equipment (PPE) consistent with the MSDS requirements for the product being used. Only RHRP1's trained pesticide applicator(s) will handle, mix, prepare, and apply pesticides at the proposed cultivation operation. PPE will be required (as per label) for RHRP1's trained pesticide applicators including:

- Dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95;
- Long-sleeved shirt and long pants;
- Waterproof gloves; and
- Shoes plus socks.
- Tyvek suit
- Goggles

b. Complying with all pesticide label directions

All pesticide product labels will be followed, including precautionary statements for protecting human and environmental health, storage and disposal statements, and directions for use. By law, all pesticide applicators must follow these statements. RHRP1 will follow the agricultural use requirements including method of application, restricted entry interval, personal protective equipment, and pre-harvest interval.

c. Storing chemicals in a secure building or shed to prevent access by wildlife;

When not in use, all pesticides will be stored under cover and in compliance with label instructions, within a secure pesticide materials storage shed located adjacent to the proposed cultivation area and more than 100 feet from the nearest surface water body.

d. Containing any chemical leaks and immediately clean up any spills;

All pesticides will be stored in their manufacturer's original containers/packaging, within secondary containment structures (110% freeboard) to prevent possible exposure to the environment. Absorbent materials designed for spill containment and spill cleanup equipment will be maintained within the pesticide materials storage area and adjacent to the pesticide mixing/preparation area, for use in the event of an accidental spill. If there is a spill or accidental discharge to any waters of the site, RHRP1 personnel will immediately notify the Office of Emergency Services so that the local health officer can determine if actions are needed to protect public safety – HAZMAT SPILL NOTIFICATIONS 1 (800) 852-7550 or (916) 845-8911.

e. Preventing offsite drift;

No pesticides will be applied during windy days or within 100 feet of neighboring parcels.

f. Not applying pesticides when pollinators are present;

RHRP1 will only apply pesticides in the evening hours, to protect honey bees and other pollinating/beneficial insects that primarily forage during daylight hours, then return to their hives and/or become less active in the evenings as the sun begins to set.

g. Not allowing drift to flowering plants attractive to pollinators;

Pesticides will not be applied or allowed to drift onto flowering plants and pollinators during periods when pollinators are present around the proposed cultivation area.

h. Not spraying directly to surface water or allow pesticide product to drift to surface water. Spray only when wind is blowing away from surface water bodies;

i. Not applying pesticides when they may reach surface water or groundwater;

All pesticides will be mixed/prepared on an impermeable surface at least 100 feet from surface water resources and neighboring properties and will not be applied or allowed to drift offsite or within riparian setbacks (minimum 100 feet). No pesticides will be applied within 48 hours of a predicted rainfall event greater than 0.25 inches (requirement of the State Water Resource Control Board's Cannabis General Order).

j. Using only properly labeled pesticides;

RHRP1 will only use pesticides that are properly labeled and authorized by CDFA for use on cannabis.

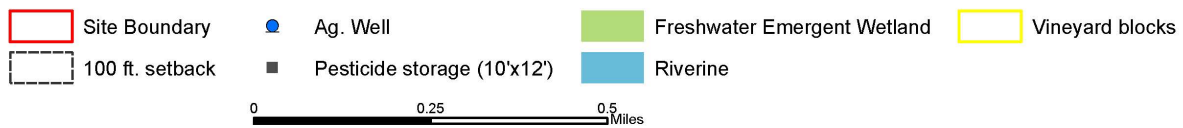
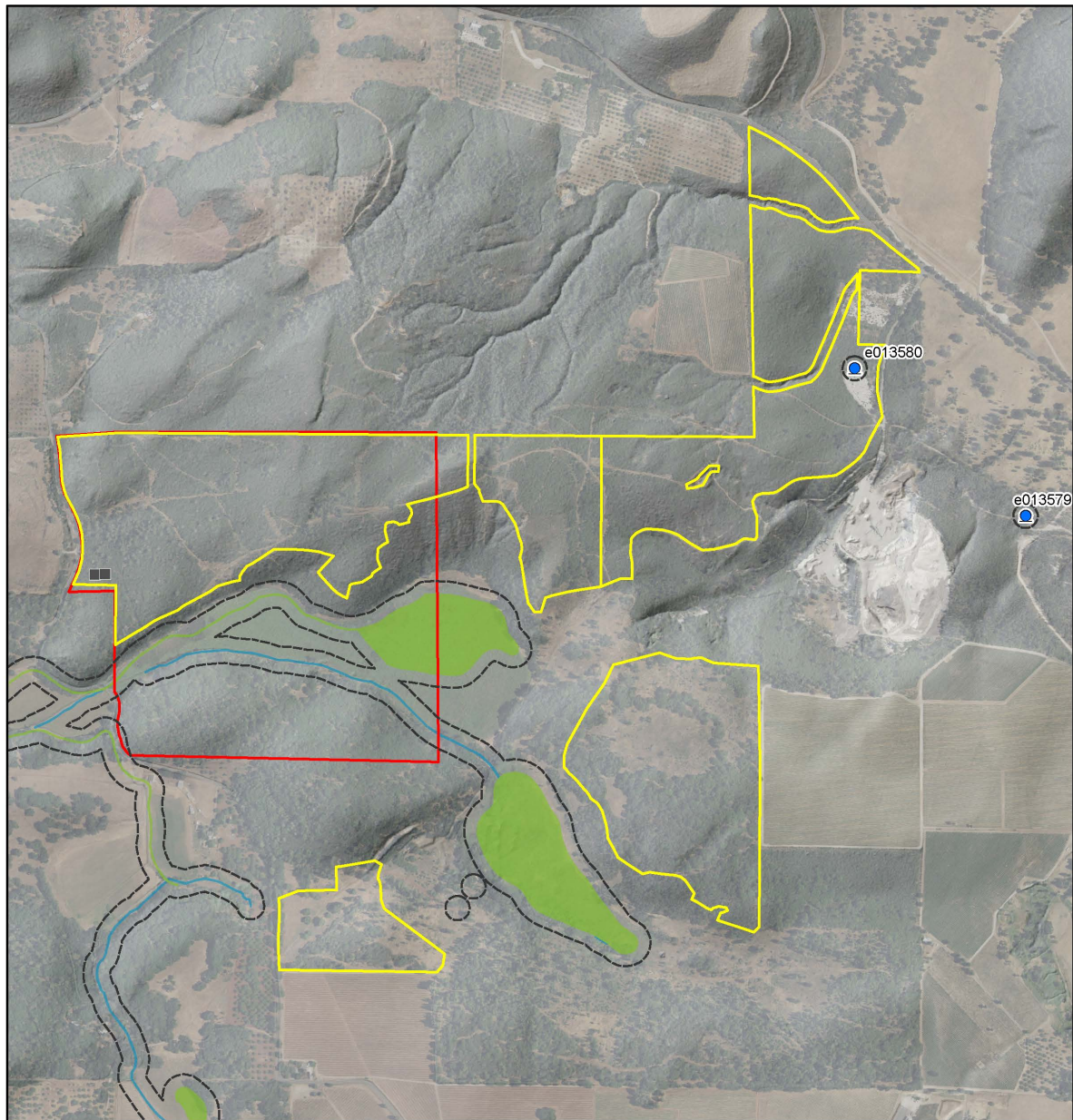
k. Not using pesticides within 100 feet of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool. For purposes of determining the edge of Clear Lake, the setback shall be measured from the full lake level or 7.79 feet on the Rumsey Gauge.

All pesticides will be mixed/prepared on an impermeable surface at least 100 feet from surface water resources and neighboring properties and will not be applied or allowed to drift offsite or within riparian setbacks (minimum 100 feet). No pesticides will be applied within 48 hours of a predicted rainfall event greater than 0.25 inches (requirement of the State Water Resource Control Board's Cannabis General Order).

This section shall include a map of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool on the lot of record of land or within 100 feet of the lot of record and a 100-foot setback from any identified spring, top of bank or any creek or seasonal stream, edge of lake, delineated wetland or vernal pool. This map shall include the location of where pesticides will be stored and used.

Please see **Figure 28**, Vicinity Surface and Groundwater Resources vs. Pesticide Storage Location map attached to this section of the Property Management Plan.

Figure 28. Vicinity Surface and Groundwater Resources vs. Pesticide Storage Location, APN 009-022-54



Vicinity Surface and Water Resources		 Parcel boundary provided by Lake County NWI provided by USFWS Imagery (NAIP 2018) Map date: 9/2020
8210 HWY 175 Kelseyville, Lake County, CA APN - 009-022-54		

Proposal Statement: Fertilizer Usage

Intent: To ensure consistency of fertilizer storage and use with other sections of the property Management Plan.

This section shall describe how cultivation and nursery permittees will comply with the following fertilizer application and storage protocols:

a. Complying with all fertilizer label directions;

Application rates and methods for all fertilizers used by RHRP1 will be consistent with product labeling. Fertilizer will be applied during the vegetative and blooming phases of the cannabis plants' life cycle to promote healthy plant growth and development.

b. Storing fertilizers in a secure building or shed;

When not in use, all fertilizers/nutrients will be stored under cover and in compliance with label instructions, within a secure nutrient materials storage shed located adjacent to the proposed cultivation area and more than 100 feet from the nearest surface water body.

Materials Safety Data Sheets (MSDS/SDS) for all fertilizers used by RHRP1 will be stored within fertilizer materials storage area and available for personnel to reference at any time. Personnel will be trained on how to appropriately prepare and apply fertilizers/nutrients before being allowed to use them. When using/preparing fertilizers and other chemicals, personnel will be required to use personal protective equipment (PPE) consistent with the MSDS/SDS recommendations for the product prepared. PPE to be used by RHRP1 staff include safety goggles, gloves, dust masks, boots, Tyvek suits, pants, and long-sleeved shirts.

c. Containing any fertilizer spills and immediately clean up any spills;

All fertilizers/nutrients will be stored in their manufacturer's original containers/packaging, within secondary containment structures (110% freeboard) to prevent possible exposure to the environment. Absorbent materials designed for spill containment and spill cleanup equipment will be maintained within the fertilizer materials storage area and adjacent to the fertilizers/nutrients mixing/preparation area, for use in the event of an accidental spill. If there is a spill or accidental discharge to any waters of the site, RHRP1 personnel will immediately notify the Office of Emergency Services so that the local health officer can determine if actions are needed to protect public safety – HAZMAT SPILL NOTIFICATIONS 1 (800) 852-7550 or (916) 845-8911.

d. Applying the minimum amount of product necessary;

Nutrient solutions with nitrogen (N), phosphorus (P), and potassium (K) values, will be applied on an "as needed" basis for vegetative growth and overall plant health. RHRP1 will apply irrigation water and nutrients at a rate not more than that which is necessary to satisfy the plants' evapotranspiration requirements and growth needs (Agronomic Rate). The agronomic rate considers allowances for

supplemental water (e.g., effective precipitation), irrigation distribution uniformity, nutrients present in irrigation water, leaching requirement, and plant available nitrogen.

e. Preventing offsite drift;

All fertilizers/nutrients will be applied in a liquid or solid form directly to the growing medium; RHRP1 does not use foliar (sprayed or atomized) nutrient/fertilizer materials; therefore, there will be no offsite drift potential from RHRP1 operations.

f. Not spraying directly to surface water or allow fertilizer product to drift to surface water. Spray only when wind is blowing away from surface water bodies;

All fertilizers/nutrients will be applied in a liquid or solid form directly to the growing medium; RHRP1 does not use foliar (sprayed or atomized) nutrient/fertilizer materials; therefore, there will be no offsite drift potential from RHRP1 nutrient application operations.

g. Not applying fertilizer when they may reach surface water or groundwater; and

h. Nor using fertilizer within 100 feet of any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool. For purposes of determining the edge of Clear Lake, the setback shall be measured from the full lake level of 7.79 feet on the Rumsey Gauge.

All fertilizers/nutrients will be mixed/prepared on an impermeable surface at least 150 feet from surface water resources and neighboring properties and will not be applied or allowed to drift offsite or within riparian setbacks (minimum 100 feet). Fertilizers/nutrients will not be applied at a rate greater than 319 pounds of nitrogen per acre per year (requirement of the State Water Resource Control Board's Cannabis General Order);

This section shall include a map of the parcel where the cultivation site is located showing any spring, top of bank of any creek or seasonal stream, edge of lake, delineated wetland or vernal pool on the lot of record of land or within 100 feet of the lot of record and a 100-foot setback from any identified spring, top of bank or any creek or seasonal stream, edge of lake, delineated wetland or vernal pool. This map shall include the location of where fertilizers will be stored and used.

Please see Figure 29, Vicinity Surface and Groundwater Resources vs. Fertilizer Storage Location map attached to this section of the Property Management Plan.

A description what parameters will be monitored and the methodology of the monitoring program shall be included in this section.

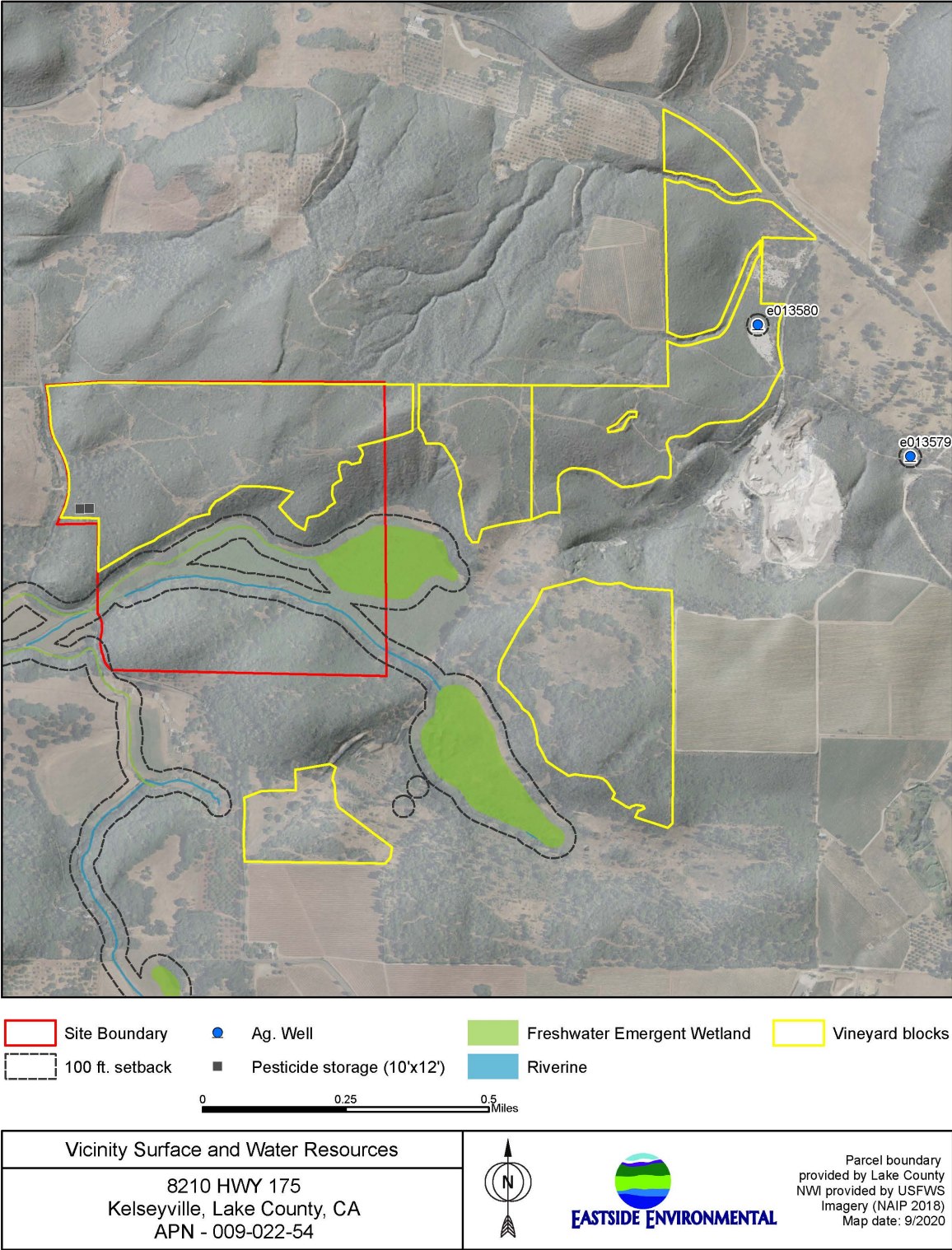
Parameters related to fertilizer usage that will be monitored by RHRP1 personnel include plant health, nutrient uptake, and soil health. RHRP1 will apply irrigation water and nutrients at a rate not more than that which is necessary to satisfy the plants' evapotranspiration requirements and growth needs (Agronomic Rate). The agronomic rate considers allowances for supplemental water (e.g., effective precipitation), irrigation distribution uniformity, nutrients present in irrigation water, leaching requirement, and plant available nitrogen.

RHRP1 will utilize expert ocular observation and agricultural crop and soil testing to monitor plant health, nutrient uptake and soil health.

The State Water Resources Control Board-required Nitrogen Management Plan¹³ is included in the Appendix A of this Property Management Plan.

¹³ Keesey, Crystal. Nitrogen Management Plan for a California Commercial Medical Cannabis Cultivation Facility. Eastside Environmental, Inc. Chico, CA. May 2018.

Figure 29. Vicinity Surface and Groundwater Resources vs. Fertilizer Storage Location, APN 009-022-54



Proposal Statement: Property Management

(a) The permittee shall establish and implement written procedures to ensure that the grounds of the premises controlled by the permittee are kept in a condition that prevents the contamination of components and cannabis products. The methods for adequate maintenance of the grounds shall include at minimum:

a. The proper storage of equipment, removal of litter and waste, and cutting of weeds or grass so that the premises shall not constitute an attractant, breeding place, or harborage for pests.

All RHRP1 equipment will be stored in its proper designated area upon completion of the task for which the equipment was needed. RHRP1 managerial staff will conduct daily scans of the site to ensure that all materials used during the workday have been returned to their designated storage area in an organized fashion. Any refuse created during the workday will be placed in the proper waste disposal receptacle upon completion of the task assigned, or before the end of employee shift. Any refuse which poses a risk for contamination or personal injury shall be disposed of immediately. RHRP1's site will be mowed and trimmed regularly to ensure safe and sanitary working conditions and minimize areas for pests.

b. The proper maintenance of roads, yards, and parking lots so that these areas shall not constitute a source of contamination in areas where cannabis products are handled or transported.

Roads and parking areas will have gravel and areas around trimmed to keep down dust, avoid possible contaminations, reduce harborage of pests, and maintain the facility.

c. The provision of adequate draining areas in order to prevent contamination by seepage, foot-borne filth, or the breeding of pests due to unsanitary conditions.

The proposed cannabis cultivation footprint resides entirely within the Lake County-approved Stocking Vineyard Grading Permit, which was approved engineer-designed draining areas for the prevention of contamination by seepage, foot-borne filth, or the breeding of pests due to unsanitary conditions.

d. The provision and maintenance of waste treatment systems so as to prevent contamination in areas where cannabis products may be exposed to such a system's waste or waste by-products.

A portable toilet and handwashing station will be established directly adjacent to the proposed cultivation area, will be serviced regularly to maintain sanitary conditions for operational staff (at minimum weekly service), and will be available at all times during the cultivation season for staff to use. In addition, the portable office buildings on the parcel will contain bathrooms for employee and visitor use, and the waste containment units in these buildings will be serviced weekly. These portable facilities will not be sited within a distance that could cause contamination of Cannabis products/cannabis cultivation area on the Project cultivation site.

(b) If the lot of record is bordered by grounds outside the applicant's control that are not maintained in the manner described in subsections (i) through (iv) of this section, inspection, extermination, and other reasonable care shall be exercised within the lot of record in order to eliminate any pests, dirt, and/or filth that pose a source of cannabis product contamination.

(c) Any other information as may be requested by the Director and/or by the Planning Commission.

None has been requested prior to the submission of this Use Permit Application.

Proposal Statement: Grading

The Project cultivation area footprint is contained within approved Stocking Grading Permit Vineyard Blocks G&H and will require no ground disturbance aside from normal farming operations such as tilling, bed shaping, mowing and brush removal for fire management.

Proposal Statement: Organic Farming

As the “organic” term is a federal designation; cannabis farming practices, due to cannabis’ status as a Schedule I drug at the federal level, are ineligible for organic certification. The State of California has begun the public comment process on April 7, 2020 for the proposed OCal Program, a statewide certification program that will establish and enforce comparable-to-organic cannabis standards as mandated by CA Business and Professions Code Section 26062(a)(1). The release of these regulations marked the official start of the public comment period provided under California law. All interested parties are encouraged to submit comments about the proposed cannabis regulations by Tuesday, July 7, 2020.

The California Department of Food and Agriculture’s OCal Comparable-to-Organic Cannabis Program will be comparable to the National Organic Program (NOP). RHRP1, LLC will explore the possibility of enrollment in the OCal Comparable-to-Organic Cannabis Program when the final regulations are published by the State of California and available to review.

Proposal Statement: Protection of Cultural Resources

Intent: All permittees shall protect the cultural, historical, archaeological, and paleontological resources on the lot of record where the permitted activity is located.

RHRP1 is committed to protect the cultural, historical, archaeological, and paleontological resources on the lot of record where the proposed commercial cannabis cultivation project is located: in addition, Lake-County approved Stocking Vineyards Vineyard Blocks G and H. No disturbance outside of these areas will occur.

An Historical Resources Survey¹⁴ was conducted in 2016 for the Stocking Vineyard Project and is included as an attachment in the Appendix to this Proposal Statement.

This section shall describe the procedures to be followed if cultural, historical, archaeological, and paleontological resources are found on the property.

Archaeology Historical resources must be protected from harm until such time as they are formally evaluated and determined to be insignificant. Protection measures to be implemented both within the boundaries of each site and within 100 feet of each site identified within the survey area include:

- A. Historical resource boundaries shall be freshly flagged prior to any ground disturbing activities.
- B. All areas within the flagged boundary of each historical resource shall protected from ground disturbing activities such as tree and brush removal, grading, vineyard preparation/planting.
- C. If gravel/rock is imported to cap roads it shall be from a source that does not possess an archaeological site. Placement of gravel/rock within archaeological site boundaries shall be done on geofabric.
- D. New roads shall not be constructed within the flagged boundaries of any archaeological site.
- E. There shall be no piling or burning of brush/slash within the boundaries of any known historical resource.
- F. Collection of artifacts during land improvement shall not be permitted.

Additionally, all personnel involved with the commercial cannabis cultivation site development will attend a training session, given by a professional archaeologist, to learn the protocol for archaeological site avoidance and what to do if cultural materials are uncovered (see Accidental Discovery).

¹⁴ Origer, Thomas M. et al. An Historical Resources Survey for The Stocking Vineyard Project Lake County, California. Tom Origer & Associates. Rohnert Park, CA. Revised 17, 2016.

Accidental Discovery

In keeping with the CEQA guidelines, if archaeological remains are uncovered, work at the place of discovery should be halted immediately until a qualified archaeologist can evaluate the finds (§15064.5 [f]). Prehistoric archaeological site indicators include: obsidian and chert flakes and chipped stone tools; grinding and mashing implements (e.g., slabs and handstones, and mortars and pestles); bedrock outcrops and boulders with mortar cups; and locally darkened midden soils. Midden soils may contain a combination of any of the previously listed items with the possible addition of bone and shell remains, and fire-affected stones. Historic period site indicators generally include: fragments of glass, ceramic, and metal objects; milled and split lumber; and structure and feature remains such as building foundations and discrete trash deposits (e.g., wells, privy pits, dumps).

The following actions are promulgated in the CEQA Guidelines Section 15064.5(d) and pertain to the discovery of human remains. If human remains are encountered, excavation or disturbance of the location must be halted in the vicinity of the find, and the county coroner contacted. If the coroner determines the remains are Native American, the coroner will contact the Native American Heritage Commission. The Native American Heritage Commission will identify the person or persons believed to be most likely descended from the deceased Native American. The most likely descendent makes recommendations regarding the treatment of the remains with appropriate dignity.

The Department will consult with appropriate Tribe regarding the potential of such resources being located on the lot of record. Based on that consultation, the Department may require a cultural resource study of the property to determine the extent such resources exist on the lot of record. The applicant will be responsible for paying the cost of such a study.

Based on that study and in consultation with the appropriate Tribe(s), the Department may require its findings and recommendations to be included in this section.

The following Native American organizations were contacted during the permitting of the Stocking Vineyard Project, within which the RHRP1 commercial cannabis project is located:

Native American Contact Efforts Stocking Vineyards, Lake County

Organization	Contact	Letters	Results
Native American Heritage Commission		8/11/16	Response received 8/17/16
Big Valley Rancheria	Anthony Jack	8/11/16	No response received as of the date of this report.

(vi) Quantitative data for the development including but not limited to: Gross and net acreage; the approximate dimensions and location of structures for each district or area; employee statistics; support services required; traffic generation data based on anticipated uses; parking and loading requirements; and outdoor storage requirements based on anticipated uses;

Gross and net acreage:

Gross acreage of parcel 175.798 (as drawn on Lake County GIS website¹⁵);

Assessed acreage: 174.00

Cultivation acreage on parcel: 52 acres

Canopy acreage on parcel: 26 acres

Approximate Dimensions and location of structures for each district or area:

Please refer to **Figure 4. Site Plan Proposed Conditions**, for structure dimensions and locations

Employee statistics:

50 full time/part time staff from April 15-Nov 15

10 full time staff from Nov 15-April 15

Licensed, bonded and insured farm labor crews (20 per crew): 10 days planting labor, 10 days vegetative management labor, 14 days harvest labor

Support services required:

No support services other than standard community support services required (CalFire, Lake County Sheriff, etc.?)

Traffic generation data based on anticipated Uses¹⁶:

Daily employee trips: 20-100, depending on time of year

Farm Labor trips annually: 136

Delivery trips annually: 20

Inspection trips annually: 4-8

Harvest processing trips annually: 10

Parking and loading requirements:

RHRP1 has applied to Caltrans for a new encroachment on HWY 175, in consultation with CalTrans Engineering. The parking and loading area adjacent to the modular office buildings will accommodate parking and unloading for the number of site employees and site deliveries listed above in the traffic generation data section. ADA required access and parking will be provided at the Project site.

Outdoor storage requirements based on anticipated uses:

There are no outdoor storage requirements for the Project.

¹⁵ <https://gispublic.co.lake.ca.us/portal>

¹⁶ Traffic generation data is tallied as ONE WAY Trips: i.e., one work day involves two vehicle trips – one trip to the Project site, one trip leaving the Project site.

(vii) Supplemental information, if applicable:

- (a) Copy of the statement of water diversion, or other permit, license or registration filed with the State Water Resources Control Board, Division of Water Rights.**

Not applicable, Permittee will utilize existing groundwater wells for cultivation operations. No diversion of surface water will occur.

- (b) Copy of Notice of Intent and Monitoring Self-Certification and other documents filed with the North Coast or Central Valley Regional Water Quality Control Board**

Figure 30. Notice of Applicability, California Regional Water Quality Control Board



Central Valley Regional Water Quality Control Board

25 January 2018

5S17CC400108

Crystal Keesey
Golden State Herb, Inc
1326 Bidwell Avenue
Chico, CA 95926

Porter G3 McIntire, LLC
Bryant Stocking
777 Aldridge Road
Vacaville, CA 95688

NOTICE OF APPLICABILITY, WATER QUALITY ORDER WQ-2017-0023-DWQ, GOLDEN STATE HERB INC, CRYSTAL KEESEY, LAKE COUNTY

Crystal Keesey, for Golden State Herb, Inc (hereafter "Discharger") submitted information through the State Water Resources Control Board's (State Water Board's) online portal on 13 December 2017, for discharges of waste associated with cannabis cultivation related activities. Based on the information provided, the Discharger self-certifies the cannabis cultivation activities are consistent with the requirements of the State Water Board *Cannabis Cultivation Policy- Principles and Guidelines for Cannabis Cultivation* (Policy), and the *General Waste Discharge Requirements and Waiver of Waste Discharge Requirements for Discharges of Waste Associated with Cannabis Cultivation Activities*, Order No. WQ-2017-0023-DWQ (General Order). This letter provides notice that the Policy and General Order are applicable to the site as described below. You are hereby assigned waste discharge identification (WDID) number **5S17CC400108**.

The Discharger is responsible for all the applicable requirements in the Policy, General Order, and this Notice of Applicability (NOA).

1. FACILITY AND DISCHARGE DESCRIPTION

The information submitted by the Discharger states the disturbed area is equal to or greater than 1 acre (43,560 square feet), no portion of the disturbed area is within the setback requirements, no portion of the disturbed area is located on a slope greater than 30 percent, and the cannabis cultivation area is greater or equal to 1 acre.

Based on the information submitted by the Discharger, the cannabis cultivation activities are classified as Tier 2, low risk.

2. SITE-SPECIFIC REQUIREMENTS

The Policy and General Order are available on the Internet at <http://www.waterboards.ca.gov/cannabis>. The Discharger shall ensure that all site operating personnel know, understand, and comply with the requirements contained in the Policy, General Order, this NOA, and the Monitoring and Reporting Program (MRP, Attachment B of the General Order). Note that the General Order contains standard provisions, general requirements, and prohibitions that apply to all cannabis cultivation activities.

KARL E. LONGLEY ScD, P.E., CHAIR | PAMELA C. CREEDON P.E., BCEE, EXECUTIVE OFFICER

364 Knollcrest Drive, Suite 205, Redding, CA 96002 | www.waterboards.ca.gov/centralvalley



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The application requires the Discharger to self-certify that all applicable Best Practicable Treatment or Control (BPTC) measures are being implemented, or will be implemented by the onset of the winter period (November 15 - April 1), following the enrollment date. Dischargers that cannot implement all applicable BPTC measures by the onset of the winter period, following their enrollment date, shall submit to the appropriate Regional Water Board a *Site Management Plan* that includes a time schedule and scope of work for use by the Regional Water Board in developing a compliance schedule as described in Attachment A of the General Order.

3. TECHNICAL REPORT REQUIREMENTS

The following technical report(s) shall be submitted by the Discharger as described below:

1. A *Site Management Plan*, by **13 March 2018**, consistent with the requirements of General Order Provision C.1.a., and Attachment A, Section 5. Attachment D of the General Order provides guidance on the contents of the *Site Management Plan*.
2. A *Nitrogen Management Plan* must be submitted 13 March 2018 consistent with the requirements of General Order Provision C.1.d., and Attachment A, Section 5. Attachment D of the General Order provides guidance on the contents of the *Nitrogen Management Plan*.
3. A *Site Closure Report* must be submitted 90 days prior to permanently ending cannabis cultivation activities and seeking to rescind coverage under the General Order. The *Site Closure Report* must be consistent with the requirements of General Order Provision C.1.e., and Attachment A, Section 5. Attachment D of the General Order provides guidance on the contents of the *Site Closure Report*.

4. MONITORING AND REPORTING PROGRAM

The Discharger shall comply with the Monitoring and Reporting Program (MRP). Attachment B of the General Order provides guidance on the contents for the annual reporting requirement. Annual reports shall be submitted to the Regional Water Board by March 1 following the year being monitored. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Regional Water Board Executive Officer or the State Water Board Division of Water Quality Deputy Director, or the State Water Board Chief Deputy Director.

5. ANNUAL FEE

According to the information submitted, the discharge is classified as Tier 2, low risk with the current annual fee assessed at \$1,000. The fee is due and payable on an annual basis until coverage under this General Order is formally rescinded. To rescind coverage, the Discharger must submit a Notice of Termination, including a *Site Closure Report* at least 90 days prior to termination of activities and include a final MRP report.

6. TERMINATION OF COVERAGE UNDER THE GENERAL ORDER & REGIONAL WATER BOARD CONTACT INFORMATION

Cannabis cultivators that propose to terminate coverage under the Conditional Waiver or General Order must submit a Notice of Termination (NOT). The NOT must include a *Site Closure Report* (see Technical Report Requirements above), and Dischargers enrolled under the General Order must also submit a final monitoring report. The Regional Water Board reserves the right to inspect the site before approving an NOT. Attachment C includes the NOT

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25 January 2018

form and Attachment D of the General Order provides guidance on the contents of the *Site Closure Report*.

If the Discharger cannot comply with the General Order, or will be unable to implement an applicable BPTC measure contained in Attachment A by the onset of the winter period each year, the Discharger shall notify the Regional Water Board staff by telephone at (530)-224-3216 so that a site-specific compliance schedule can be developed.

All monitoring reports, submittals, discharge notifications, and questions regarding compliance and enforcement should be directed to Michael Parker, at: michael.parker@waterboards.ca.gov or (530)-224-3216.



(for) Pamela C. Creedon
Executive Officer

MP: ck

cc: Kevin Porzio, State Water Resources Control Board, Sacramento
Mireya G. Turner (For) Lake County Environmental Health Department

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(c) Streambed Alteration Permit obtained from the Department of Fish and Wildlife.

Figure 31. Streambed Alteration Notification from CDFW

7/30/2020

Gmail - EPIMS - Lake or Streambed Alteration Notification Not Required - Epims-01522-R2



Golden State Herb <goldenstateherb@gmail.com>

EPIMS - Lake or Streambed Alteration Notification Not Required - Epims-01522-R2

epims.support@wildlife.ca.gov <epims.support@wildlife.ca.gov>
To: goldenstateherb@gmail.com

Thu, Nov 1, 2018 at 11:33 AM

**** Do Not Respond to This Email ****

The following Cannabis Cultivation Self-Certification was received:
Notification Number: Epims-01522-R2
Name: Golden State Herb Konocti
Program Area: Region 2

The California Department of Fish and Wildlife (CDFW) reviewed your Cannabis Cultivation Self-Certification (Self-Certification) that indicates the following:

1. Your project does not or will not result in **diversion or obstruction of water** from any river, stream, or lake; or use water from a source other than a municipal/public water supply.
2. Your project does not or will not result in **disturbance to land or vegetation** in or adjacent to any river, stream, or lake, including those that are periodically dry.
3. Your project does not or will not result in **deposition of any material** in or adjacent to any river, stream, or lake, including those that are periodically dry.

Based upon the information you provided in your Self-Certification, your project is not subject to the notification requirements pursuant to Fish and Game Code section 1602.

This letter and your submitted Self-Certification serve as **written verification that a Lake or Streambed Alteration Agreement is not required** for the activities described in your Self-Certification. A copy of this email, your submitted Self-Certification form, and all information and attachments submitted to CDFW must be available at all times at the project site. Please note that this written verification is not valid without this email and your submitted Self-Certification.

To print the required documents:

1. Print this email.
2. Log into EPIMS at <https://EPIMS.wildlife.ca.gov>
3. Click on "My Permit Applications".
4. Click on "Archived Applications".
5. Select the "Project Title" listed at the top of this email.
 - Verify the "ID" matches the "Notification Number" listed at the top of the email.
6. The document will open in a separate browser tab/window.
7. Use the steps normally used to print from the browser (i.e. Explorer, Chrome, Firefox, etc.).

If you change your project so that it differs materially from the project you described in your Self-Certification, you will need to submit a new Self-Certification.

Please note that you are responsible for complying with all applicable local, state, and federal laws in completing your work. This letter does not relieve you or any person acting on your behalf from complying with other applicable statutes in the Fish and Game Code including, but not limited to, sections 2050 et seq. (threatened and endangered species), section 3503 (bird nests and eggs), and section 3503.5 (birds of prey).

If you have questions, please contact the [CDFW Region Office](#) where the project is located. Please refer to the Notification number provided above.

<https://mail.google.com/mail/u/1/?ik=563b275e66&view=pt&search=all&permmsgid=msg-f%3A1615957541461381853&simpl=msg-f%3A16159575414...> 1/2



Golden State Herb <goldenstateherb@gmail.com>

Canopy expansion in same area: Lake County

Shun, Michael@Wildlife <Michael.Shun@wildlife.ca.gov>
To: Golden State Herb <goldenstateherb@gmail.com>

Tue, Jun 18, 2019 at 9:39 AM

Hi Crystal,

CDFW is not concerned about the increase in size of the cannabis cultivation operation as long as there are no new project activities that will be subject to fish and game code section 1602. Per our phone conversation and after reviewing the updated site plan, there does not seem to be any activities that will require additional notification. You have already provided the updated site plan to our agency which I will include in your prior notification to reflect the updated cultivation operations. If CDFA is requesting that the No Notification Required letter be updated to reflect the new project activities, we will be glad to provide an updated letter for your operation. Otherwise, we have no concern with the updated project footprint as it is located in previously disturbed agricultural land and we have the documentation needed to update our current notification.

Please let me know if there is anything additional you need me to do in order for CDFA to accept the Notification Not Required letter we issued.

Thank you,

Michael Shun

Environmental Scientist

California Department of Fish and Wildlife

Habitat Conservation Planning Branch

Cannabis Environmental Compliance Program

Lake and Streambed Alteration Permitting Program (Calaveras County)

Office Cell: (916) 767-8444

Email: Michael.Shun@Wildlife.ca.gov

Every Californian should conserve water. Find out how at:



<https://mail.google.com/mail/u/1/?ik=563b275e66&view=pt&search=all&permmsgid=msg-f%3A1636697079690514806&simpl=msg-f%3A16366970796...> 1/2

(d) Copy of County of Lake well permit, state well permit, or well logs.

Figure 32. Well Logs for 8210 HWY 175, Kelseyville Project

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. Well #2-04
Date Work Began 5/10/2004, Ended 5/17/2004
Local Permit Agency Lake County Environmental Mgmt
Permit No. 3438 Permit Date 4/22/2004

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. **e013580**

009-022-540
DWR USE ONLY — DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE
LONGITUDE
APN/OTHER

GEOLOGIC LOG

DEPTH FROM SURFACE FL. to FL.		DESCRIPTION Describe material, grain, size, color, etc.
0	45	RED CLAY
45	55	RED VOLCANICS
55	60	OBSDIAN
60	220	RED VOLCANICS
220	560	GREY VOLCANICS

ORIENTATION (✓) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE (SPECIFY) _____
DRILLING METHOD ☒ ROTARY ☐ FLUID AIR

WELL OWNER
Name Rich Stadelhofer
Mailing Address P.O. Box 252
Calistoga CA 94515
CITY STATE ZIP

WELL LOCATION
Address 7765 Highway 29
City Kelseyville CA
County Lake
APN Book 009 Page 022 Parcel 56
Township _____ Range _____ Section _____
Latitude _____

LOCATION SKETCH
NORTH
Hwy. 29
1000'
WELL
400'
WEST EAST
SOUTH
Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (✓)
☒ NEW WELL
MODIFICATION/REPAIR
— Deepen
— Other (Specify) _____
DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
PLANNED USES (✓)
WATER SUPPLY
— Domestic — Public
☒ Irrigation — Industrial
MONITORING —
TEST WELL —
CATHODIC PROTECTION —
HEAT EXCHANGE —
DIRECT PUSH —
INJECTION —
VAPOR EXTRACTION —
SPARGING —
REMEDIATION —
OTHER (SPECIFY) _____

WATER LEVEL & YIELD OF COMPLETED WELL
DEPTH TO FIRST WATER 280 (FL) BELOW SURFACE
DEPTH OF STATIC WATER LEVEL 242 (FL) & DATE MEASURED 5/17/2004
ESTIMATED YIELD • 500 (GPM) & TEST TYPE air lift
TEST LENGTH 2 (Hrs.) TOTAL DRAWDOWN N/A (FL)
May not be representative of a well's long-term yield.

DEPTH FROM SURFACE FL. to FL.		BORE-HOLE DIA. (Inches)	CASING (S)			
			TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS
0	60	15	BLANK			
60	560	12	SCREEN			
0	375		✓	PVC F480	8	SDR-21
375	495		✓	PVC F480	8	SDR-21
495	515		✓	PVC F480	8	SDR-21
515	555		✓	PVC F480	8	SDR-21

DEPTH FROM SURFACE FL. to FL.		ANNULAR MATERIAL TYPE		
		CE- MENT (✓)	BEN- TONITE (✓)	FILTER PACK (TYPE/SIZE)
0	52	✓		CONCRETE
52	555		✓	#6 SAND

ATTACHMENTS (✓)
— Geologic Log
— Well Construction Diagram
— Geophysical Log(s)
— Soil/Water Chemical Analysis
— Other _____
ACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.
NAME HUCKFELDT WELL DRILLING
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)
2110 Penny Lane
ADDRESS
Signed [Signature] Napa CITY CA 94558
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED 06/18/04 STATE CA ZIP 94558
C-57 LICENSE NUMBER

DWR 188 REV. 11-97 IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

ORIGINAL
File with DWR

Page 1 of 1

Owner's Well No. Well #1-04

Date Work Began 4/19/2004, Ended 5/6/2004

Local Permit Agency Lake County Environmental Mgmt.

Permit No. 3433

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet
No. **e013579**

009-022-546
DWR USE ONLY - DO NOT FILL IN
STATE WELL NO./STATION NO.
LATITUDE
LONGITUDE
APN/TRS/OTHER

ORIENTATION (✓) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE (SPECIFY)
DRILLING METHOD **ROTARY** FLUID **bentonite**

DEPTH FROM SURFACE FL. to FL.	DESCRIPTION Describe material, grain, size, color, etc.
0 20	WHITE VOLCANIC TUFF/ASH
20 100	GRAY VOLCANIC ASH
100 140	GRAY & WHITE VOLCANICS
140 160	GRAY ASH
160 260	GRAY FRACTURED VOLCANICS
260 560	GRAY & WHITE VOLCANICS
477 497	BLANK PVC 8"
497 537	SCREEN PVC 8" .032 SLOT
537 547	BLANK PVC 8"

WELL OWNER
Name **Rich Stadelhofer**
Mailing Address **P.O. Box 252** **CA** **94515**
Calistoga **STATE** **ZIP**
CITY

WELL LOCATION
Address **7765 Highway 29**
City **Kelseyville CA**
County **Lake**
APN Book **009** Page **022** Parcel **56**
Township Range Section
Latitude

LOCATION SKETCH
NORTH
SOUTH
WEST
EAST
HWY. 29
WELL EASEMENT
1 TO 2 WELLS
430'
DEG. MIN. SEC. ACTIVITY (✓)
☒ NEW WELL
MODIFICATION/REPAIR
— Deepen
— Other (Specify)
— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
PLANNED USES (✓)
WATER SUPPLY
☒ Domestic ☐ Public
☒ Irrigation ☐ Industrial
MONITORING —
TEST WELL —
CATHODIC PROTECTION —
HEAT EXCHANGE —
DIRECT PUSH —
INJECTION —
VAPOR EXTRACTION —
SPARGING —
REMEDIATION —
OTHER (SPECIFY) —

TOTAL DEPTH OF BORING **560** (Feet)
TOTAL DEPTH OF COMPLETED WELL **547** (Feet)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER **220** (FL) BELOW SURFACE
DEPTH OF STATIC
WATER LEVEL **162** (FL) & DATE MEASURED **5/6/2004**
ESTIMATED YIELD **500** (GPM) & TEST TYPE **air lift**
TEST LENGTH **2** (Hrs.) TOTAL DRAWDOWN **N/A** (FL)
May not be representative of a well's long-term yield.

DEPTH FROM SURFACE FL. to FL.	BORE-HOLE DIA. (Inches)	CASING (S)				
		TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)
0 60	15	BLANK				
60 560	12	SCREEN				
0 297		CON-	PVC F480	8	SDR-21	
297 377		DUCTOR	PVC F480	8	SDR-21	.032
377 397		FILL PIPE	PVC F480	8	SDR-21	
397 477			PVC F480	8	SDR-21	.032

DEPTH FROM SURFACE FL. to FL.	ANNULAR MATERIAL			
	CE- MENT (✓)	BEN- TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0 52	✓			CONCRETE
52 547			✓	#6 SAND

ATTACHMENTS (✓)
— Geologic Log
— Well Construction Diagram
— Geophysical Log(s)
— Soil/Water Chemical Analysis
— Other

CERTIFICATION STATEMENT
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME **HUCKFELDT WELL DRILLING**

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

2110 Penny Lane

ADDRESS

Signed

WELL DRILLER/AUTHORIZED REPRESENTATIVE

Napa

CITY

CA

STATE

94559

ZIP

06/04/04

DATE SIGNED

439-746

C-57 LICENSE NUMBER

DWR 188 REV. 11-97

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

(e) If the lot of record is zoned TPZ, or involves conversion of timberland, a copy of less-than-3-acre conversion exemption or timberland conversion permit, approved by CAL-FIRE. Alternately for existing operations occupying sites created through prior unauthorized conversion of timberland, evidence may be provided show the landowner has completed a civil or criminal process and/or entered into a negotiated settlement with CAL-FIRE.

N/A. The lot of record is not zoned TPZ, nor does it involve conversion of timberland.

(viii) Other pertinent information as required by the Director.

No additional pertinent information has been required by the Director.

.