APPENDIX A

CULTIVATION AND OPERATIONS PLAN

Eel River Produce, LLC
Cultivation Operations Plan

Eel River Produce (ERP) is applying for a Special Permit for 43,200 square feet of outdoor light deprivation cultivation and 10,000 square feet of new mixed light cultivation in eighteen (18) greenhouses on the assessor parcel number known as 209-331-002-000 located at 1048 Holmes Flat Road, Holmes Flat, Humboldt County CA. The parcel is 30.35 acres zoned AE-TPZ. A Special Permit is requested to reduce the required 600-foot setback from Humboldt Redwoods State Park.

PG&E is onsite, and Eel River Produce, LLC currently is enrolled in the CorePower + community program with Redwood Energy. A solar array is being pursued for future energy needs in addition to the on-grid power.

The mixed light cultivation will be complying with the International Dark Sky Association Standards and implementing that all light will be shielded so no light escapes between sunset and sunrise. Especially due to a residential area, mitigation efforts will be highly and strictly implemented for the tarps and lights to be turned at the appropriate time.

The cultivation will occur in eighteen (18) greenhouses measuring 24'x104' each. Four (4) of these greenhouses will utilize supplemental lighting for mixed light cultivation, and the other 14 will utilize light deprivation techniques.

As a condition of approval, the greenhouses are engineered to withstand hydrostatic pressure and Eel River Produce, LLC is in the process of obtaining a wet flood proofing certification. Engineered calculations and specific greenhouse construction materials/plans were and will continue to be provided to the Cannabis Division and Humboldt County Building Division in order to demonstrate the new structures that will be built in conformance with the attached building regulations.

Propagation occurs onsite in Eel River Produce's 10,000 square foot nursery. Pollen drift from seed production is mitigated thru specialized breeding techniques that ERP uses. Specific branches on specific pheno types within the research and development and seed production zones are chosen for pollination and covered with paper bags and rubber banded over the pollinated flowers, so no pollen can drift and escape and pollinate other crops surrounding in the agricultural area. The plant branches are harvested with the paper bag on the flower, so it never comes off during the pollination periods.

The site presents no issues of any type as to setbacks, slopes, runoff, erosion, water quality, or other county ordinance or other regulatory agency issues.

The site is irrigated by a non-diversionary water source of rainwater catchment, with 34, 5,000-gallon rainwater catchment hard poly tanks, totaling 170,000 gallons of hard tank water storage. The rainwater catchment is self-caught with funnels capturing rainwater directly to tank storage, and from no existing buildings on site. The rainwater is notified within the State Water Resource Control Board and has been granted a Notice of Applicability for complying with all State Regulations regarding water usage on this premises.

At peak harvest there will be up to (14) workers on site. 3 seasonal workers which combined with 3 employees would result in a maximum of 6 people on site for the special permit during peak harvest activity. There is an onsite ADA portal bathroom with handwashing station that has weekly cleanings for sanitary and waste on site for employees. A septic is currently being designed.

Drying will occur in the greenhouses, or off site at a licensed processing facility thru Eel River Produce's Distribution Transport Only License. Fresh frozen techniques may also be implemented and immediately frozen and taken off site with freezer trucks. The individual plants will be weighed wet in place, and then recorded with the UID number directly after being cut. They then, are recorded in METRC, and transferred thru METRC to the appropriate processing facility for further manicuring and manufacturing of the agricultural product.

Fruit trees were planted behind the permitter fence for aesthetic, domestic, and sustainable purposes to eventually overgrow the view from the fence.

CDFA State Licenses have been applied for this Special Permit and are thru Administrative Review awaiting local jurisdiction approval.

LCA20-0000410 – SPECIALTY MIXED LIGHT TIER 1 (3,200 SF)
LCA20-0000412 – SMALL MIXED LIGHT TIER 1 (10,000 SF)
LCA20-0000413 – SMALL MIXED LIGHT TIER 1 (10,000 SF)
LCA20-0000414 – SMALL MIXED LIGHT TIER 1 (10,000 SF)
LCA20-0000415 – SMALL MIXED LIGHT TIER 1 (10,000 SF)

c. Irrigation Plan

Irrigation needs will be dictated by daily weather conditions and by carefully monitoring soil moisture and plant health. Watering, when necessary, will be applied in the early morning or late evening for the outdoor and mixed light hoop houses via a drip irrigation system and/or hand watering to improve water conservation efforts.

d. Estimated Use (Monthly & Annually, in gals.)

Applicant will be cultivating approximately 119,500 ft^2 of cannabis, *including* accessory nursery facilities of 10,000 ft^2. Based on applicant's past experience in legally cultivating cannabis in prime soil floodplain settings, anticipated water use is approximately:

- **638** gallons of water per day in **Outdoor** operations, system and/or hand watering,
- **285** gallons of water per day in **Light Deprivation** operations, and
- **52** gallons of water per day in **Nursery** operations.

Applicant's *total* irrigation water *annual* needs are approximately 169,500 gallons of water.

Applicant's total estimated ***Outdoor*** water usage needs in gallons by month:

Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
					15k	30k	30k	15k	7.5k		

Applicant's total estimated ***Light Deprivation*** water usage needs in gallons by month:

Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
				5k	10k	10k	10k	10k	7k		

Applicant's total estimated ***Nursery*** water usage needs in gallons by month:

Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1k	1k	2k	2k	2k	2k	2k	2k	2k	1k	1k	1k

5. Site Drainage

There are no natural stream channels or road stream crossings located on the agricultural soils portion of the property, only long-standing man-made Class IV drainage ditches that are well vegetated with grasses and forbes. An east west man-made drainage swale bisects the agricultural soils portion of this and adjacent parcels since at least the 1964 flood, as appears on the Site Plan. Runoff is non-existent for this site; the flat terrain and highly porous soils allow for water to puddle and infiltrate into the floodplain soils, or during heavy rainfall period, result in low velocity shallow overland flow. No road surface erosion or discrete points of sediment delivery are present throughout the entire subject property.

B. Will-Serve Letters

The site is served by PG&E, and has fully functioning on-site water and septic adequate for project demands; there are no applicable water or water service providers for the site. No public utility services are necessary or provided. No will-serve letters are necessary.

C. Premises Operations and Plans

1. Recordkeeping

All required records will be legibly prepared and stored in the administrative hold area required by CDFA, which is a secured area where they are protected from debris, moisture, contamination, hazardous waste, fire, and theft. This administrative hold area is a limited access area, where only those with the correct managerial credentials have access to these documents.

All records specifically required to be kept and maintained for state licensure will be kept for the time period prescribed and, in a manner, allowing for their provision or delivery upon request. This includes all monthly inventory reporting, monthly METRC inventory reports of all items, and any other jurisdictional paperwork.

2. Days/Hours of Operation, Shift Staffing

Employee work hours for all commercial cannabis-related activities are 7 a.m. to 4:30 p.m., Monday through Sunday. Maximum number of employees by activity permitted is five in Cultivation, and two in Nursery, for a total of seven.

3. Energy Plan

The site is currently and historically has been supplied by PG&E grid power. The project is enrolled in the 100% renewable grid power , RCEA's RePower+ program.

4. Hazardous Materials Management Plan

The project and its related activities will not involve the storage or use of reportable quantities of hazardous materials under Health and Safety Code section 25500 *et seq*.
No Hazardous Materials Business Plan is required.

5. Light Pollution Control Plan

All structures used for Nurseries and all ancillary uses will be shielded so that no light escapes between sunset and sunrise.

Where located on a parcel abutting a residential zoning district or proposed within resource production or rural residential areas, any security lighting for commercial cannabis activities will be shielded and angled so as to prevent light from spilling outside of the boundaries of the parcel(s) or premises or directly focusing on any surrounding uses.

6. Noise Source Assessments and Mitigation Plan

Noise from cultivation and related activities will not result in an increase of more than three decibels of continuous noise above existing ambient noise levels at any property line of the site. No generators will be used in project operations. A noise source assessment was done over a 24 hour period, and is attached.

7. Parking Plan

On-site parking of twelve spots (two of which will be handicapped-marked) is provided for employees and visitors in existing areas historically used for that purpose (see Site Plan). All employees and visitors will be required to park on-site when conducting business on-site.

8. Pest Management Plan

a. Introduction

All project operations will comply with all pesticide laws and regulations enforced by the California Department of Pesticide Regulation and by the Humboldt County Department of Agriculture. Employees will (i) read and follow all pesticide labels in all storage, use, handling and disposal of any pesticides used, and (ii) use personal protective equipment (PPE) as required and provided for by the applicant.

The applicant will (i) obtain an operator identification number from the Humboldt County Agricultural Commissioner before applying any pesticides, and (ii) provide for and require the use by all employees of PPE, training, and access to pesticide labels and safety information in the proper storage, handling, and disposal of pesticides.

b. Product Name and Active Ingredient(s) of All Pesticides to Be Applied to Cannabis at Any Time

Product Name	*Active Ingredient(s)*
Lost Coast Plant Therapy	Soybean oil, isopropyl alcohol, citric acid, peppermint oil
Dr. Zymes	Citric acid derived from fermentation
Zerotol 2.0	Hydrogen dioxide, peroxyacetic acid
Neem oil	Neem oil
Grandevo	Chromobaeterium subtgugae strain Praa4-1
Regalia	Reynoutria sachalinensis
Venerate	Heat killed Burkholderias spp.
Sulfur	Sulfur
Mycotrol wpo	Beaveria Bassiana
Monterey BT	Bacillus thuringiensis sub. kurstaki

c. Integrated Pest Management Protocols

The project employs Biological, Chemical, and Cultural Pest-Management Control Methods, as follows:

i. Biological Pest-Management Control Methods

Once a pest population has been identified and monitored, beneficial insects or other organisms are introduced to control and suppress the continued growth of that population. Biological controls come in the form of insect predators/parasites, fungi, bacteria and more, and are chosen based on their effectiveness at controlling the target pest(s) in the cultivation environment. Examples include (1) cats for rodent control, (2) predator nematodes to suppress root aphids and fungus gnats, and (3) predator mites to suppress thrip, russet mites, and spider mites.

ii. Chemical Pest-Management Control Methods

Chemical controls may include spraying, dunking, and root drenching.

iii. Cultural Pest-Management Control Methods

1. Reduce and disrupt pest habitat around crops; weeding, cleaning, rototilling, mowing, etc.;

2. Adjusting crop density and planting to reduce pests;
3. Pruning and leafing plants for greater airflow;
4. Monitoring and identify types of pest and population size of pest; scouting and trapping and locations of pest in and around the crop;
5. Utilize proactive attempts to prevent pests and disease rather than reactive treatment; and
6. Sanitation to remove organic and inorganic residues, helping reduce egg/spore populations, deterring overwintering, and minimizing pest control efforts throughout the growing season.

d. Invasive Species Control

Pursuant to planning staff directive, PWA has prepared a *"Biological Reconnaissance, Protocol Level Survey, Wetland Delineation, and Invasive Species Management Plan"* specifically for APN 209-0331-002, which includes focusing on the removal of three particular invasive plant species from the site using measures specific to the species, including subsequent confirmation inspections (7-12-19, section 3.5).

9. Security Plan

All outdoor lighting used for security purposes will be shielded and downward facing.

A commercial security alarm company will be retained, including the use of security cameras. A six-foot chain link fence surrounds the entire cultivation perimeter. A properly licensed armed guard will be present on-site during all cannabis cultivation and processing time periods. All visitors must be accompanied at all times when within the premises.

10. Soils Management Plan

A cover crop of "3G's Organic Cover Crop," as well as beans, peas, oats, and clover are planted in winter; nutrient analysis is performed each spring, and soil is amended with organic nutrients as necessary based on analysis.

11. Waste Management Plans

a. Cannabis Waste Management Plan

Cannabis waste generated on the premises will be managed by self-hauling to a fully permitted and manned, (a) solid waste landfill or transformation facility, or (b) composting facility or manned composting operation.

b. Hazardous Substances Management Plan

Hazardous substances handled on-site include pesticides, fertilizers, fuels and solvents. All pesticides and fertilizers will be stored, handled and used according to manufacturer's instructions. All hazardous substances will be stored in appropriate containers.

c. Solid Waste Management Plan

The project's plan for disposal of project-related solid waste includes managing plant material, greenhouse framing, plastics and tarpaulin used in greenhouse sheathing and coverings, household trash, product packaging and containers, irrigation tubing, pots and similar containers used for propagation and cultivation, lighting, tanks, electrical lighting fixtures, wiring and related equipment, and fencing.

Solid waste generated on the premises will be managed by self-hauling to a fully permitted solid waste management facility.

D. Personnel Safety, Employee Protections

1. Workplace Safety Standards

Standard operating procedures for all employees will include posting of the address of the property and evacuation routes, and emergency phone numbers for first responders and fire safety responders. All workplace safety standards will be complied with, and posted OSHA compliant workplace safety posters will be made available in employee common areas.

2. Employee Safety Protocols and Training

All operations will implement safety protocols and all employees will be provided with adequate safety training relevant to their specific job functions, which may include:

- Emergency action response planning;
- Fire prevention planning;
- Hazard communication policies, including maintenance of Material Safety Data Sheets;
- Materials handling policies;
- Job hazard analyses;
- Personal protective equipment policies; and/or
- Employee accident reporting and investigation policies.

3. Safe Drinking Water, Toilets, & Sanitary Facilities

Employees will at all times have access to safe drinking water, toilets, and handwashing facilities that comply with applicable federal, state, and local laws and regulations. Drinking

water will be provided either by a potable on-site water supply or by bottled water, or a combination thereof.

4. Sanitation Practices

Employees will comply with the following sanitation practices:

- Operations must be maintained in a clean and sanitary condition, including all work surfaces and equipment;
- Employees handling cannabis will have access to and use PersonalProtective Equipment in good operable condition, as job circumstances require; and
- Employees will implement protocols which prevent contamination or mold and mildew growth.

5. On-Site Housing

The project has no on-site employee housing, as none is needed. No employees will li on site.

6. Agricultural Employer Declaration

The permit applicant declares that it is an agricultural employer as defined in the California Labor Code, Division 2, Part 3.5 commencing with Section 1140, and agrees to comply with all applicable federal, state, and local laws and regulations governing California Agricultural Employer

APPENDIX B
SITE PLAN

[S Hun1boldt County

APN: 209-331-002
EEL RIVERPRODUCE UC
1048 HOLMES FLAT ROAD
REOCRESTCA

Partdng Area Commercial Nursery and load ing Zooes.,
(2) ADAparking areas(11' x 30' each)
(2) Commercial Parking Spaces
((8) Commercial Parking Spaces
(5) Guest Parking Spaces - Commercial Nursery
(7)Employee Parking Spaces - Commercial Nursery

Visually Asetic P antings for th e Neighborsper HCPO Standards

Two Pressure Tanks

Power Pole/ Sound Level Meter 1

HOLMES FLAT RD

Layer List

Horse Pasture Domestic Garden

Horse Pasture

52' from Property Line

247'

96'

81'

42'

42'

330'

*There are (10) 20' Floor Fans in the Nursery

(4) 24 inch snap fans in Commercial Nurseries

Commercial Nursery
(2) 24 x 104'; Immature PlantArea
(2 24' x104' *to,* Research and Development)
10,000 Sf Total

(24) 5,000 Gallon Self Caught Rainwater Catchment Tanks

43,200 SF SP CONTINUANCE

OUTDOOR CULTIVATION

RECEIVINGRRR 20,000SF
APPS 13290APN: 104-212-013

RECEMNGRRR20,000SF
APPS 15674APN: 522-025-005

RECEIVINGRRR 20,000 SF
APPS 11618 APN:511-191-003

RRR TO BE SOUGIT
20,000Sf

49' from Property Line

The 43,200 SF SP CONTINUANCE is constructed of 18, 24' x 104' each for greenhouses. There will be (4) M ixed Light Cult ivation Greenhouses and (14) Light Depri vation Greenhouses
These Greenhouses have specrfications on the hydros tatic load theycan takewith water and will be kept up all yearlong.

Eac h g ree n ho use has a 24 inch snap fan at each end, totaling (2) snap fans per greenhouses. These fans are run off solar panel energy,

EXAMPLEOf EACH GREENHOUSE WITH TWO SNAP FANPLACEMENTSIN EACH STRICTURE, RUN OFF SOLAR POWER

814 FT from StatePark Setback to RRR Outdoor Cultivation Site

458.7 FT from CA StatePark Setback to Special Permit Cultivation Site

Wetland 3

Alfalfa Crop Field Non-Cannabis Related

Alfalfa Crop Field Non-Cannabis Related

Wetland 1

Wetland 2

457' FEET

2,064'

Sound Level Meter

Entrance / Exit

100 year flood plain

150 foot setback with ephermal streams

Legacy Well
No Use for Irrigation

20 x 20 COMPOST

OWTS (est 1930)

Residence- No Cannabis Activities

AG Pesticide / Fertilizer Storage

Wetland -
Emphermeral Stream (SOfoot buffer from ,vetland perimeter of 2ft stteam channel)

Intermittent Stream

Forested Slopes

Ephermeral Stream

Ephermeral Stream

644'

1. No Road Easments
2. No School Bus Stop within 600feet of cultivatio,1 area
3. CAStatePaJksproperty is446'to thesouthwest on the 43,200SFof M ixed Light Cultivation, on a Spedal Permit Continuance
4. The nearestreside1ce is approximately 353 *feet* to thewestof theRRR Outdo or CUttiv ation Area
5. No known tribal cultural resources with in 600 squarefeet of any cultivation site
6. streamsiCe Manageme1t Area buffers were developed*t,om* the wetted perimeter of the streamsand boundariesof wetlands
7. Rainwateris self caught into, 5000 gallon water tanksthat irrigatethe entire fadlify
8. Project meetsand exceeds all setbacksrequired by HCPD2.0 Ordinance Code
9. Aesthetic Plantirgsper HCPD Standards will be pl antedbehind fencefor visual coverance of facility to the neighbors.

0 150 300ft

40.4136 -123.9399 Degrees

APPENDIX C
SOUND STUDY

Outdoor Sound Study

Eel River Produce, LLC

1048 Holmes Flat Road

Redcrest CA

Prepared for:

Humboldt County Planning Department

Cannabis Cultivation Application # 15762

Assessor Parcel Number

209-331-002-000

Introduction

The report has been requested by Humboldt County Planning Department to conduct baseline noise levels to establish pre-project ambient noise levels. These noise levels were asked to be 24-hour readings, from 3 points of the subject property.

This report assesses the potential noise of impacts of the project's operation. This survey was done from 12 pm (noon) May 5th 2020 to 12 pm (noon) May 6th 2020.

Brittany Massaro, Eel River Produce's Compliance Director, conducted the survey to measure ambient noise levels and determine background noise levels within the subject property area.

The premises contain agricultural tools such as a skid steer, lawn mower, rototillers, and weedwhackers to maintain the property and various crops that have been cultivated onsite for over a century. Attached to this report are the sound meter line graphs, showing a constant with the noise in the area, a placement of where the sound meters went on site, and a Site Plan submitted to Humboldt County.

Humboldt County Performance Standards

55.4.12.6 **Performance Standard for Noise at Cultivation Sites**
Noise from cultivation and related activities shall not result in an increase of more than three decibels of continuous noise above existing ambient noise levels at any property line of the site. Existing ambient noise levels shall be determined by taking twenty-four hour measurements on three or more property lines when all cannabis related activities are not in operation.
a) In TPZ zones and U zones (with a General Plan Land Use Designation of "Timberland"), the use of generators is prohibited.
b) Where located within one (1) mile of mapped habitat for Marbled Murrelet or Spotted Owls where timberland is present, maximum noise exposure from the combination of background cultivation related noise may not exceed 50 decibels measured at a distance of 100 feet from the noise source or the edge of habitat, whichever is closer. Where ambient noise levels, without including cultivation related noise, exceed 50 decibels within 100 feet from the cultivation related noise source or the edge of habitat, cultivation-related noise sources may exceed 50 decibels provided no increase over ambient noise levels would result.
c) The permit application must include information demonstrating compliance with the noise standards, including but not limited to:
i) site plan detailing the location of all noise sources, property lines, and nearby forested areas and sensitive receptors
ii) existing ambient noise levels at the property line using current noise measurements (excluding cultivation related noise)
iii) Details on the design of any structure(s) or equipment used to attenuate noise
iv) Details on the location and characteristics of any landscaping, natural features, or other measures which serve to attenuate noise levels at nearby property lines or habitat.

Environmental Noise Fundamentals and Standard Criteria to Noise Environment

Noise is commonly measured with a sound level meter. Sound is expressed in decibels. The instruments used to conduct this study were three in total, (2) BAFX Decibels Meters/ Sound Pressure Level Readers (SPL) and (1) Meterk Digital Sound Level Meter.

Readings were conducted every 30 minutes for the daytime readings. The daytime hours consisted of 7 am – 10 pm, and nighttime hours consumed of 10 pm – 7 am.

32 readings were conducted and recorded in total during the half hour intervals between 7am – 10 pm, and 9 readings were conducted for the hour intervals from 10 pm – 7 am.

The first day time readings were at 12 pm on May 5th and were recorded for every half hour until 10 pm. This consisted of 21 recorded sound readings.

The night readings were from 10pm to 7 am, where they were recorded every hour. This consisted of 9 recorded sound readings.

The last day time readings to conclude the 24-hour session was from 7 am to 12 pm on May 6th. This consisted of 10 recorded sound readings.

In environmental noise, a change in noise level of 3 dB is considered a just noticeable difference. A 5 dB change is clearly noticeable, but not dramatic. A 10 dB change is perceived as cutting in half or doubling in loud proximity.

The sound level meters used to quantify data in this report meet the required specifications to be used and their calibration was checked by their factory calibration current to NIST standards. The three noise measurement instrument locations are shown in attached Site Plan.

Locations of Sound Pressure Level Readers

The first sound meter (North facing property line) was placed on the utility pole, towards the North portion of the property by the two pressure tanks and sealed groundwater well. This location was felt suitable to detect the 24-hour monitoring of natural environmental readings and road traffic, as well as residential areas of the surrounding location of Holmes Flat. This sound meter was placed at roughly 12 feet in the air on the pole. The dominant source of the noise was the traffic on the road, horses, and neighbors across the road, as well as next door. Lawn mowers, dogs, livestock, diesel trucks, trailers, weedwhackers, and construction all around played a huge part in the overall noise levels. Being close to the road and multiple neighbors, it was no surprise at the amount of baseline noise being created.

The second sound meter (South-East facing property line) was placed towards the south western portion of the property, closest within the 446-foot setback from the California State Parks. There is a test pit, that Pacific Watershed Associates, dug around to do a wetland delineation, and the sound meter was hung roughly 85 feet from the test pit #4 at the property tree line. This meter picked up sounds from the adjacent neighbor, who also contributes with dogs, horse rodeo, construction of onsite improvements, mowing, weed whacking, and other home stead activities that contribute to the overall ambient noise. It was surprising, with the horse arena, that this property was not the loudest and that the opposite adjacent parcel created more noise than this parcel.

The third sound meter (West facing property line) was placed on the inside of a six-foot chain-link fence, on a ten-foot pole, adjacent with the neighboring property. The neighboring property uses heavy machinery, tractors,

and a bobcat. The neighboring property is mowed for hay and large trucks are constantly coming in and out of the neighboring parcel due to hay shipping transportation. This property, by far, was the noisiest out of all three, due to the agricultural activities happening on site with the hay business.

Results of Sound Meter Tests Conducted

Location	Daytime (7 am – 10 pm) Nighttime (10pm – 7am)	Results on Average*
Meter 1	12:00 pm – 10 pm	44 dB on average
	10:00 pm – 7 am	33 dB on average
	7:00 am- 12:00 pm	45 dB on average
Meter 2	12:00 pm – 10 pm	41 dB on average
	10:00 pm – 7 am	30 dB on average
	7:00 am- 12:00 pm	34 dB on average
Meter 3	12:00 pm – 10 pm	47 dB on average
	10:00 pm – 7 am	33 dB on average
	7:00 am- 12:00 pm	40 dB on average

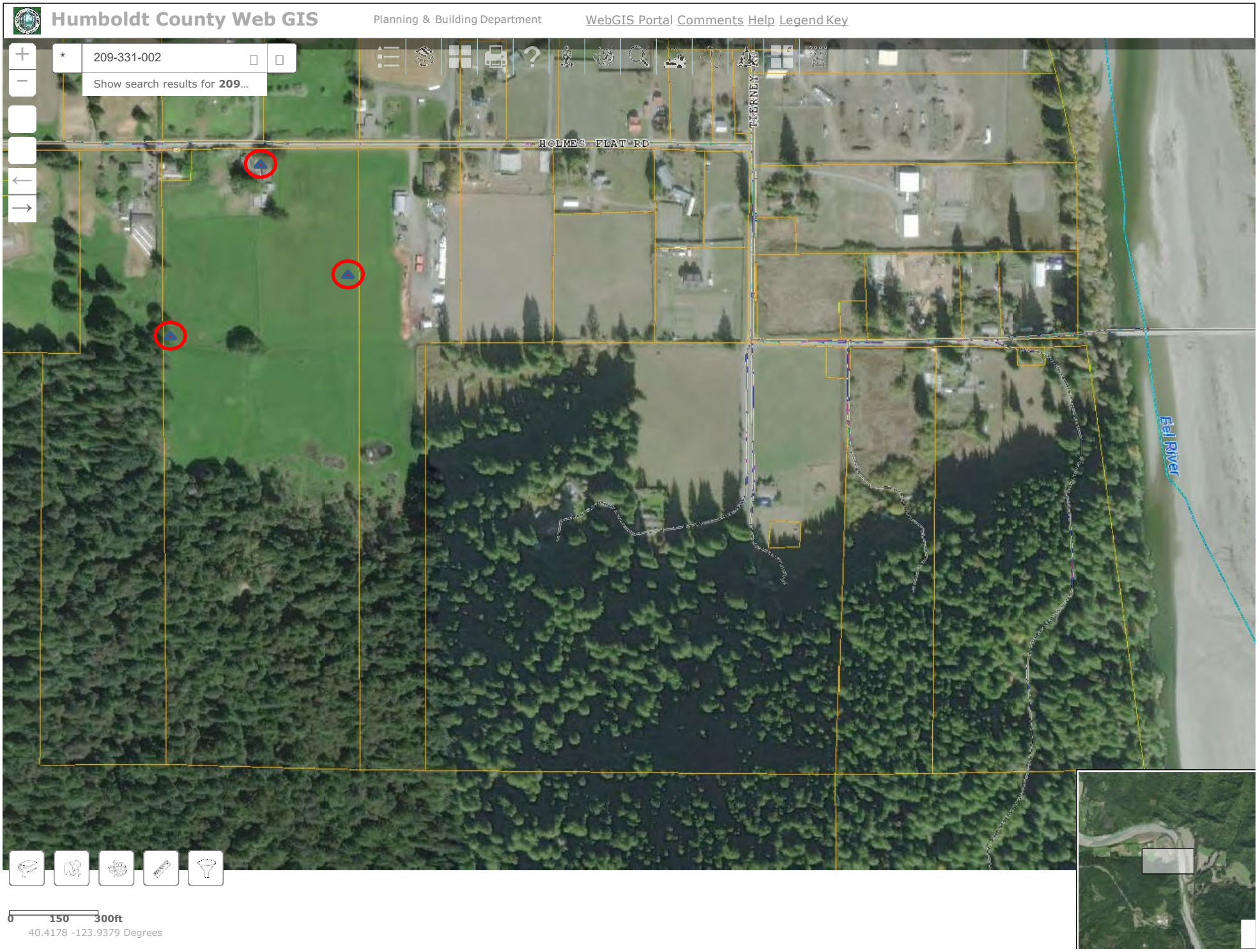
*Readings from the decibel sensors were taken every 30 minutes during the day, and every hour during the night. Then they were averaged to an overall consumption of noise for the purpose of the 24-hour study.

Conclusion

The existing ambient noise levels at Holmes Flat Road are dominated by traffic and agricultural activities not being managed by Eel River Produce's premises.

The operation by Eel River Produce, is anticipated to have seven employees needed for the operation at full buildout, with five in the cultivation operation, and two in the nursery. The public will not be allowed on site and materials will typically be transported by delivery vans or trucks.

The noise from the project meets the applicable Humboldt County Performance Standards. The project will not increase to a significant impact and will be able to stay less than 60 dBA with the operation of the project.


Humboldt County Web GIS
Planning & Building Department
WebGIS Portal Comments Help Legend Key
209-331-002
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HOLMES FLAT RD
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Eel River
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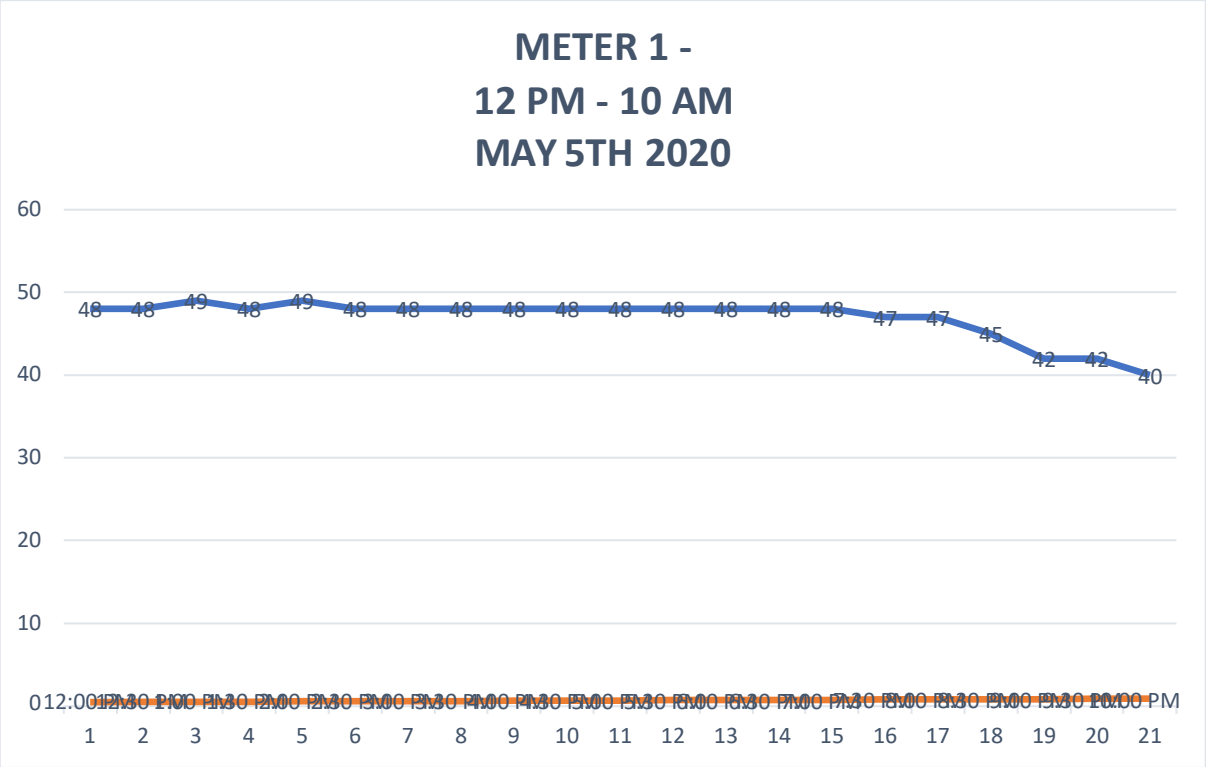
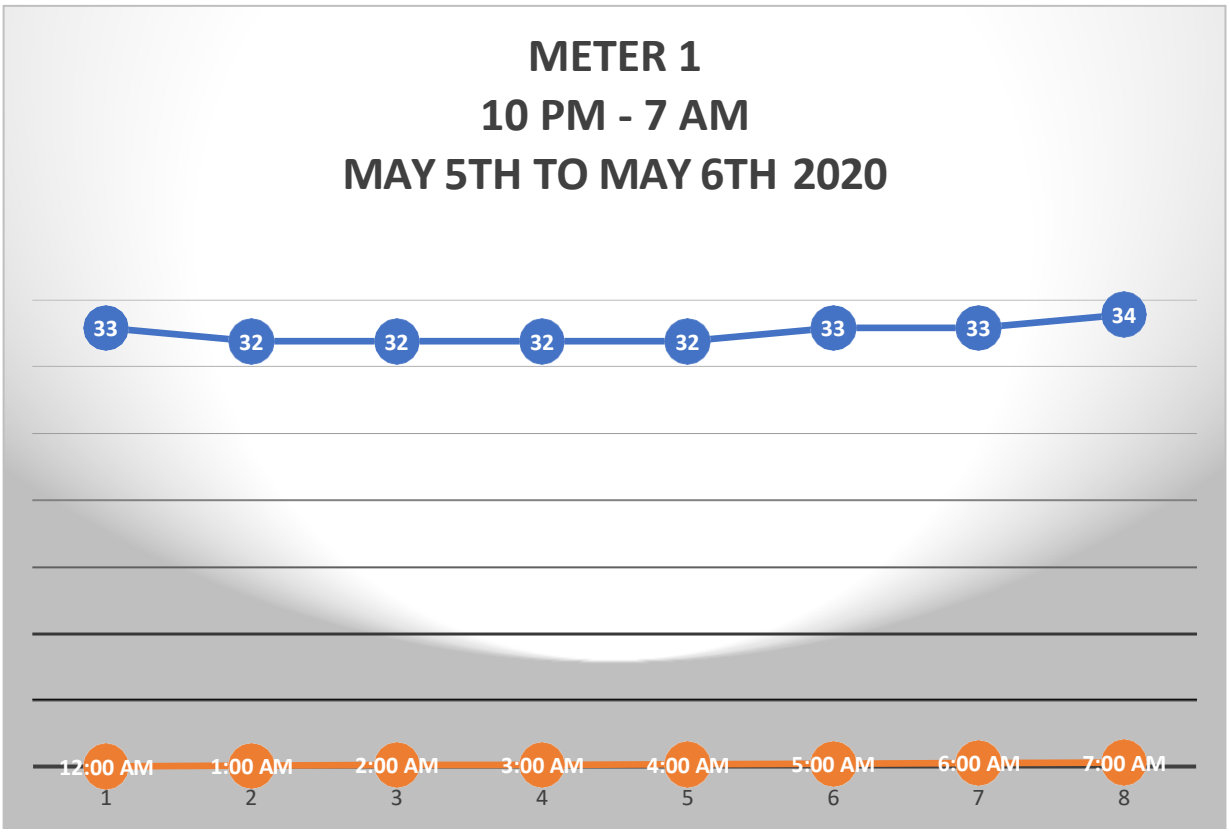
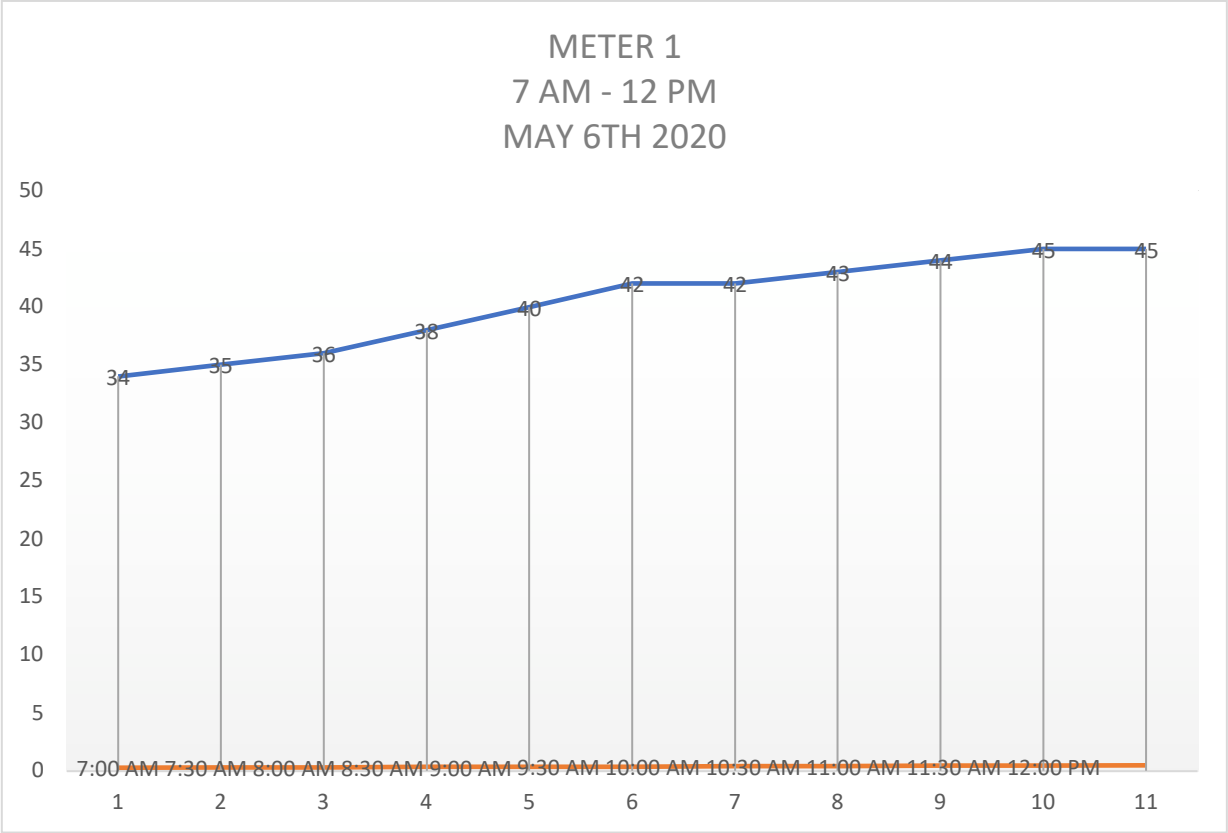
METER 1 –
24 HOUR READINGS






METER 1
7 AM - 12 PM
MAY 6TH 2020
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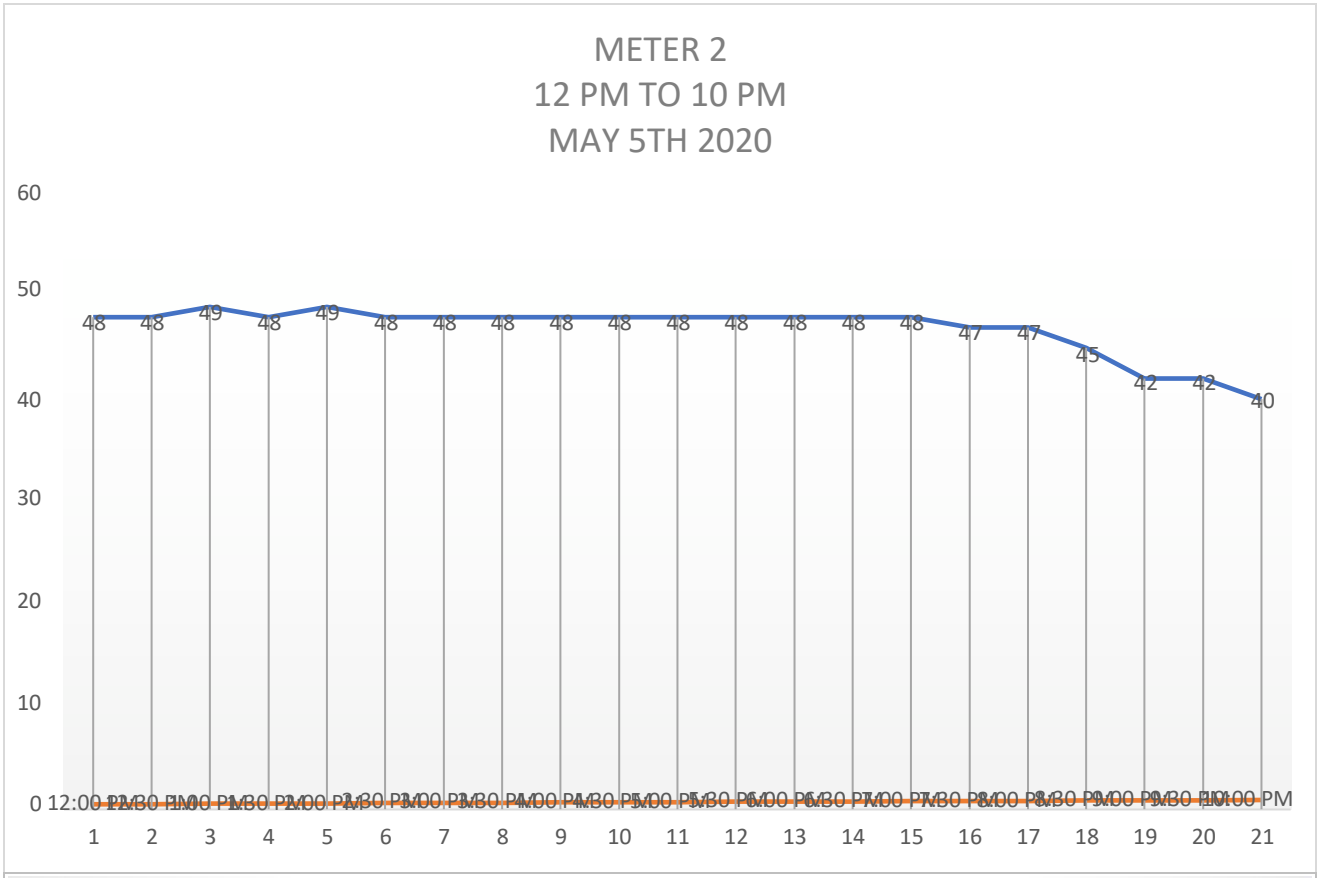
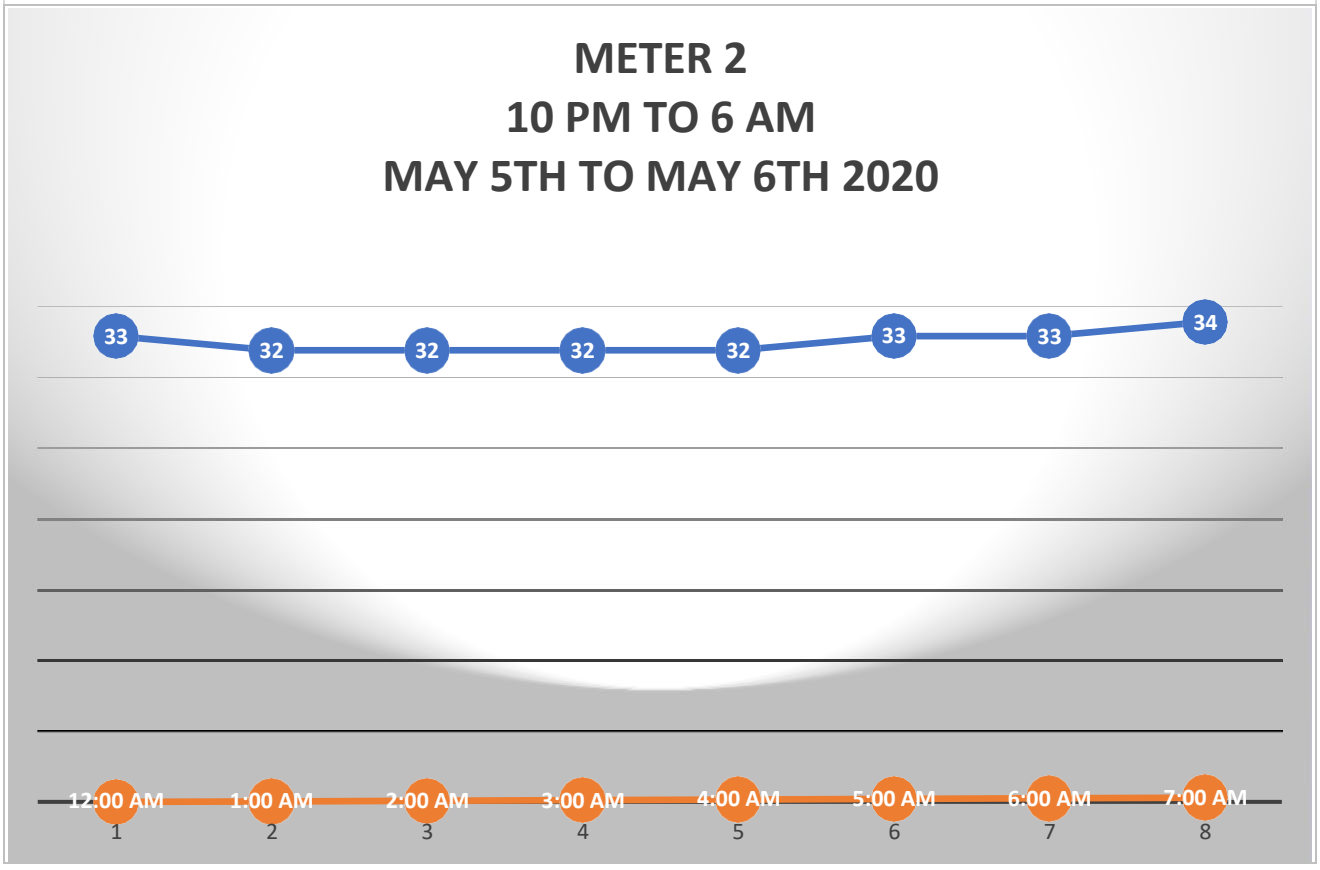
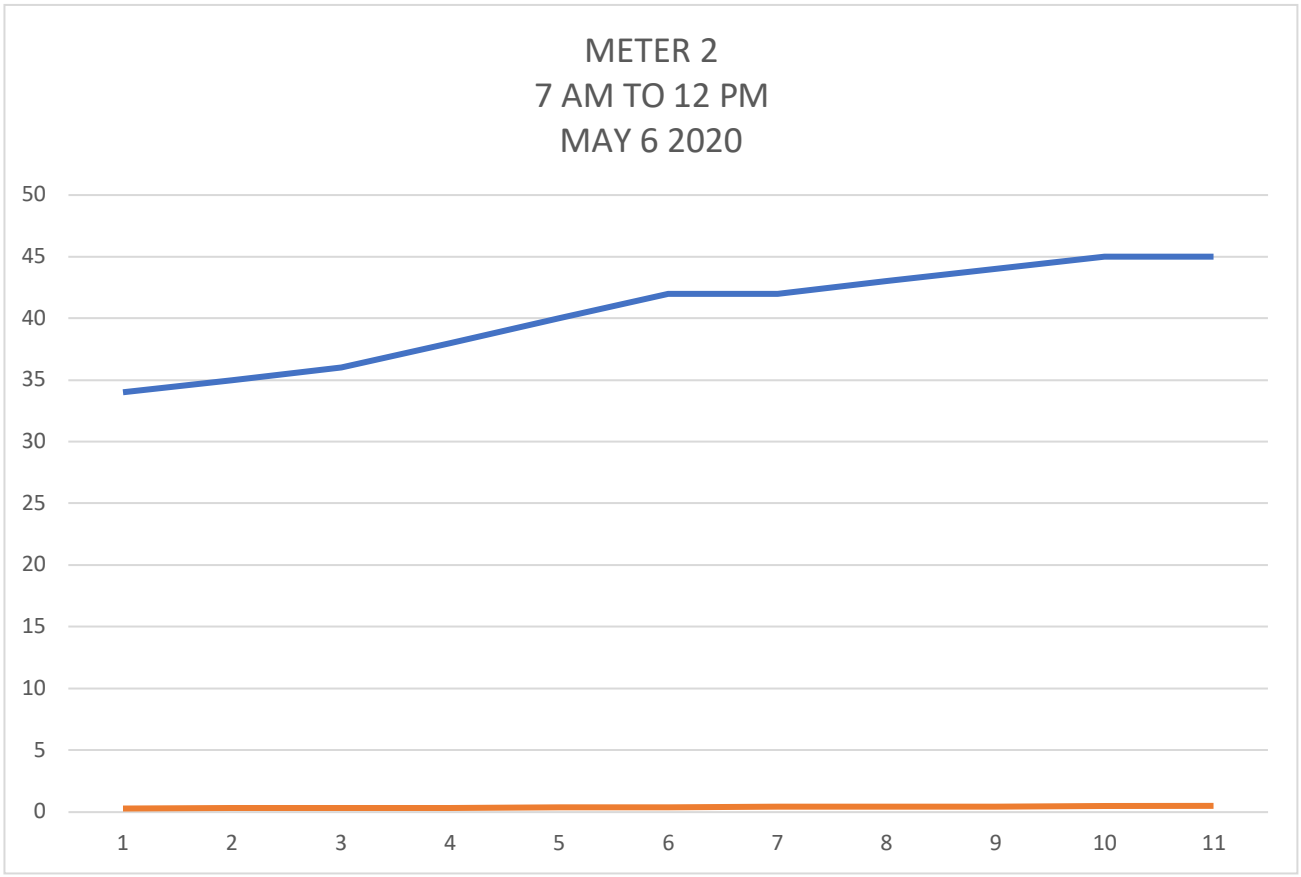
METER 2 –
24 HOUR READINGS






METER 2
7 AM TO 12 PM
MAY 6 2020
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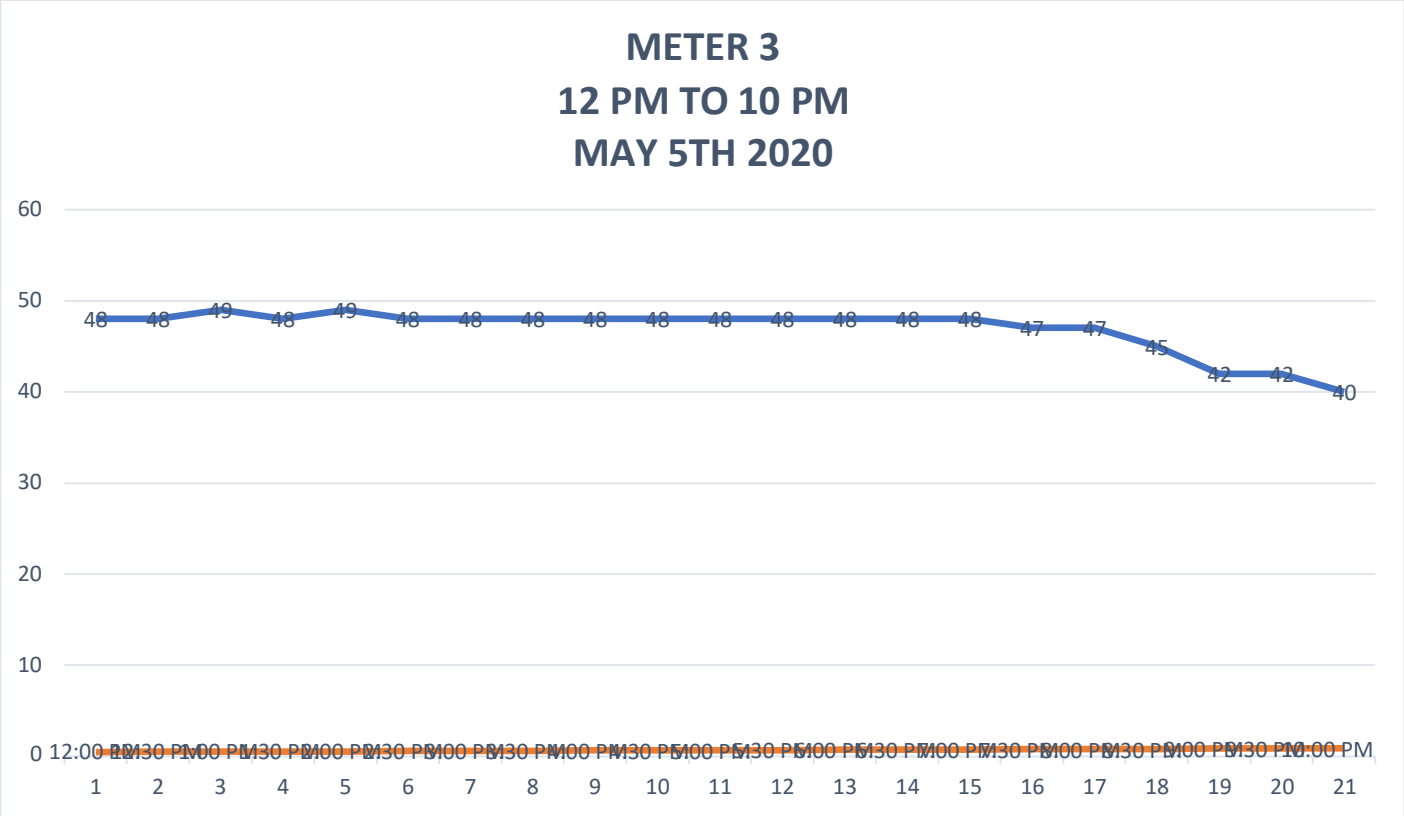
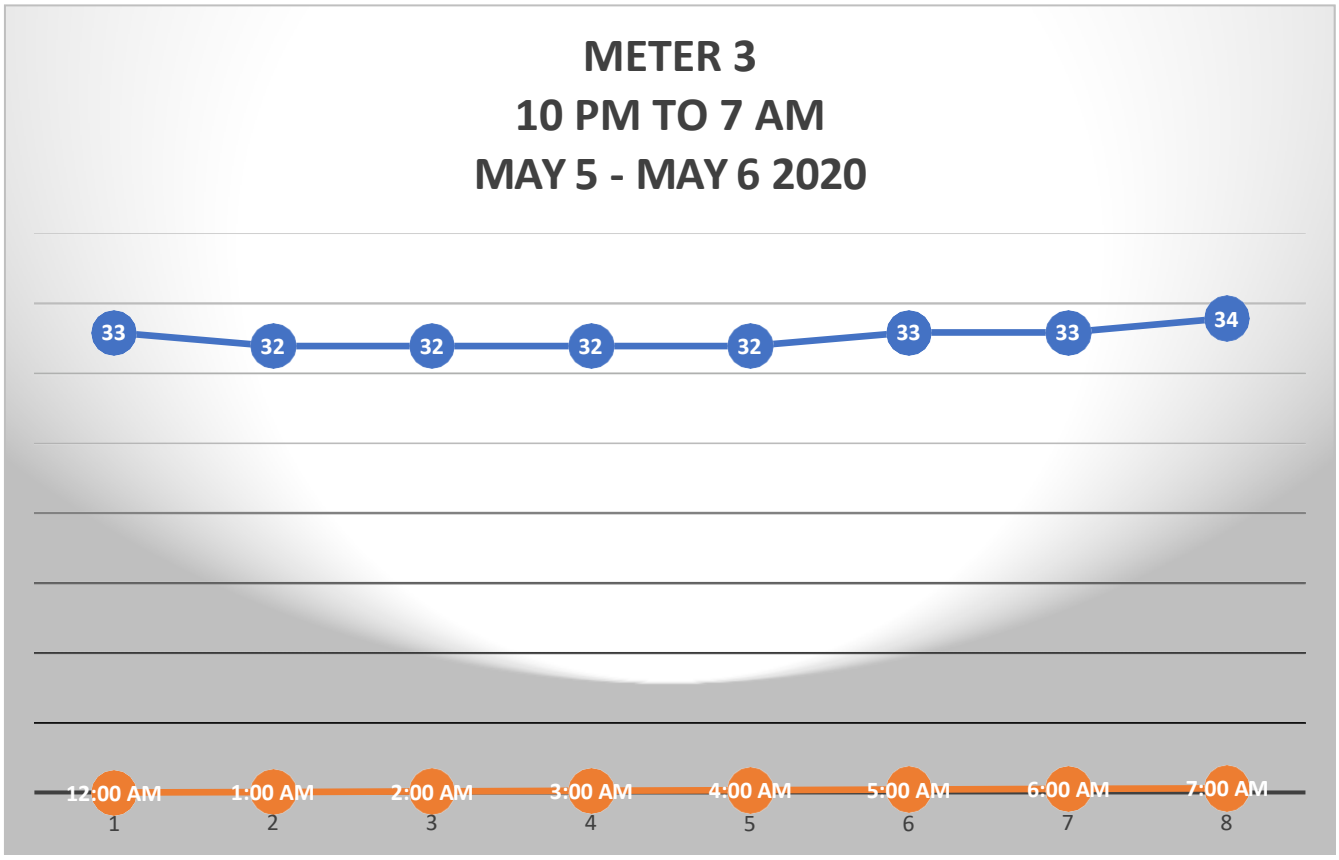
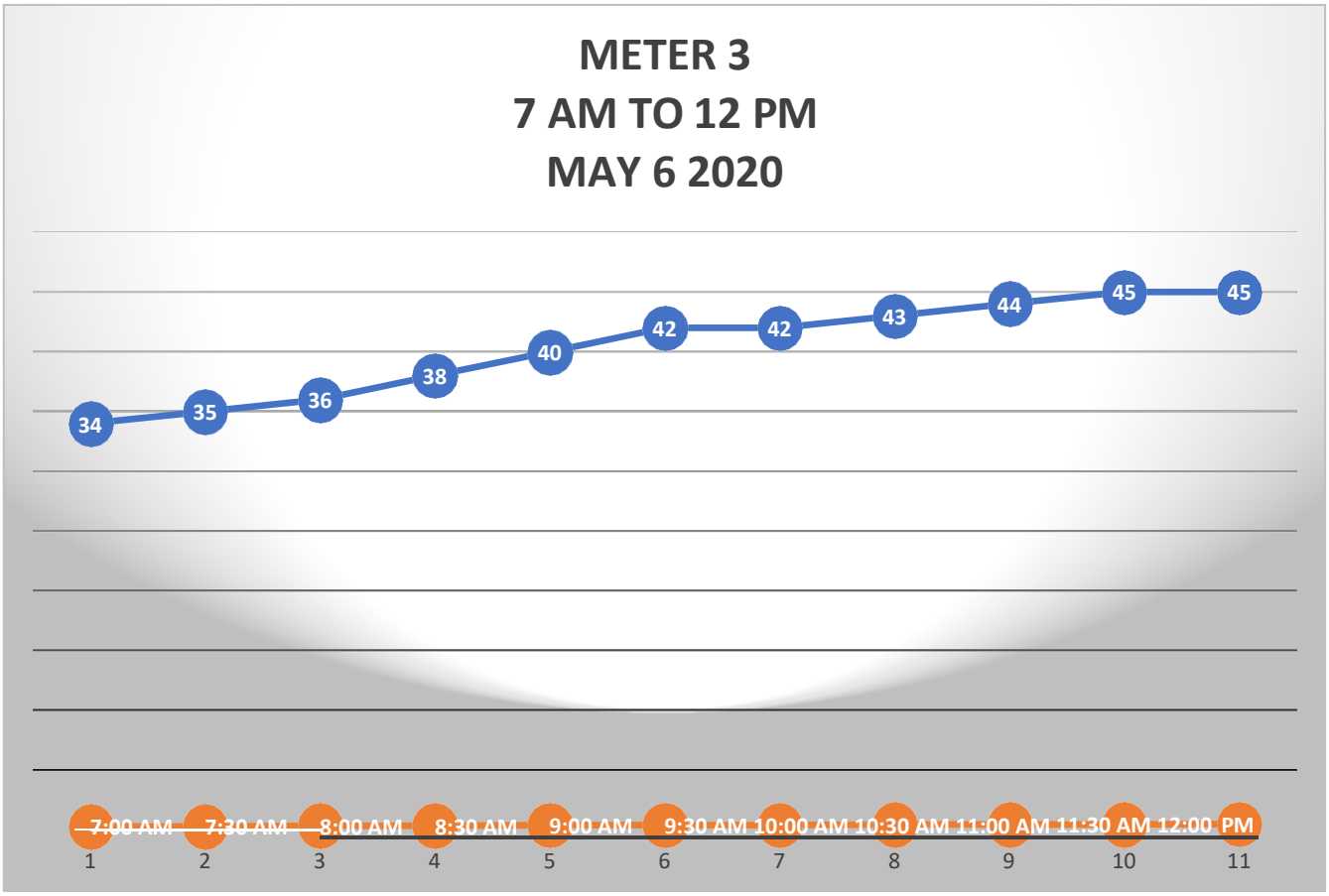
METER 3 –
24 HOUR READINGS



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APPENDIX D

BIOLOGICAL RESOURCE ASSESSMENT

BIOLOGICAL PROTOCOL LEVEL SURVEY

WETLAND DELINIATION

INVASIVE SPECIES

BIOLOGICAL RECONNAISSANCE,
PROTOCOL LEVEL SURVEY,
WETLAND DELINEATION,
AND INVASIVE SPECIES MANAGEMENT PLAN
for
APN 209-331-002, Holmes, Humboldt County, California

PWA Report No. 19549701
July 12, 2019

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Appendix C – Wetland Delineation Data Forms and Associated Maps
Appendix D – Northern Spotted Owl Survey, Holmgren Forestry
Appendix E – Photo Page

Cover Photo: View looking towards the southern forested potion of APN: 209-331-002.

1.0 INTRODUCTION

On May 15, 2019 and June 18, 2019 Georgia Hamer, Gregory Davis and Margo Moorhouse of Pacific Watershed Associates (PWA) conducted a biological assessment and wetland delineation on Humboldt County APN: 209-331-002 for Wyatt Williamson (hereafter referred to as "landowner") (Figure 1). The assessment included a site inspection to identify impacts on any sensitive and special status species/habitats that have the potential to occur within or near the proposed cannabis cultivation project area. This biological assessment summarizes the observations and recommendations made by PWA from the site inspections and serves to meet Humboldt County Cannabis Planning Department's Commercial Cannabis Land Use Ordinance (CCLUO) 2.0 for areas outside of the Coastal Zone's biological reconnaissance survey requirement. A protocol level rare plant survey was then conducted for the areas of proposed ground disturbance, followed by a property wide wetland delineation. The property is located within the main stem Eel River drainage basin at 1048 Holmes Flat Road, Redcrest, Humboldt County, California (USGS Redcrest Quadrangle, Township 1S, Range 2E, in the northwest portion of Section 3). This report serves to satisfy Humboldt County's CCLUO biological reconnaissance survey requirement, invasive species management plan, and can additionally be utilized as an interagency biologic report.

1.2 Project Site Location and Description

The Project Site is located on Humboldt County APN 209-331-002 and can be accessed from Eureka by taking Highway 101 south towards Garberville. Travel on US 101S for approximately 34 miles, then take exit 671 towards Holmes/Redcrest onto Barkdull Rd. Turn right onto CA-54 S, also known as Avenue of the Giants, and follow the road for 2.2 miles, then turn left onto Holmes Flat Road. 1048 Holmes Flat Road will be exactly 1.0 mile farther. Contact the landowner for access to the gated property. See Figure 1 and 2 for the mapped location of the property and the proposed project areas.

The APN is located within the floodplain of the Eel River, on lands that have been utilized for agricultural and homesteading purposes for well over 100 years (Figure 1). The stand of forest on the southern portion of the parcel has been logged in the past and is currently undergoing a timber harvesting plan (THP) permitting process. There are two main historic agricultural areas to the north of the forested area that are separated by a linear drainage ditch, hereby classified as a Class IV (man-made) watercourse. New cannabis cultivation activities are proposed in the northern field and the southern field will continue historic agricultural operations for alfalfa production (Figure 2).

1.3 Project Site Ecology

The property sits at approximately 200ft in elevation, is 30 acres in area, and is characterized predominantly by past agricultural activities. Weott series soils are dominant in the agricultural

fields and are characterized as being very deep and very poorly drained. The fields have been plowed for alfalfa farming and livestock grazing for the last century, which is evident by the plethora of agricultural grasses persisting across the property. These non-native grasses and forbs are dominant on the northern half of the parcel and eventually get shaded out as you progress south towards the forest edge. The forest buffer zone is dotted with three perennial wetlands that are further discussed in Section 3.4. The dominant forest canopy cover is *Pseudotsuga menziesii* (Douglas-fir) and *Sequoia simpervirens* (Coast Redwood) with *Acer* sp. scattered throughout. The forest appears as mature second growth, many trees have a large (up to 5 feet) diameter at breast height (DBH) and little to no low hanging horizontal branches. The understory is open and easy to traverse, with little disturbance and no non-native species. The dominant soils here are Scoutcamp-Rootcreek which are classified as a fine-silty, mixed, superactive, isomesic, typic palehumults that are well drained. Though the northern portion of the property has had a long history of agricultural disturbance, the forest has been able to withstand the encroachment of many invasive species as well as maintaining a productive ecosystem. See Appendix E for photos of the property's community ecology.

2.0 METHODS

2.1 Background Data

Rare species are defined here to include: (1) all species that are federal or state listed as rare, threatened or endangered, (2) all federal and state candidates for listing, (3) all plants included in Ranks 1-4 of the CNPS Inventory of Rare, Threatened, and Endangered Plants of California, and (4) species that qualify under the definition of "rare" in the California Environmental Quality Act (CEQA), Section 15380. All species descriptions in Sections 3.2.1 through 3.2.4 were derived from CNDDB habitat descriptions as well as the USFWS, Audubon Society and eBird.

Preliminary biological reviews are conducted by utilizing subscription databases along with literature reviews and professional consultations. The databases consulted for this review include the U.S. Department of Agriculture's Ecoregion Classification system, California Natural Diversity Database (CNDDB – Appendix B), National Wetlands Inventory, Calflora, and the Pacific Northwest Consortium.

When utilizing these databases, a nine quadrant search in CNDDB was conducted to determine proximity of species presence. The nine quadrants are defined by the Public Land Survey System (PLSS), consisting of township, range, and section. Species accounts are recorded as Elemental Occurrences (EO) which are defined as an area of land and/or water in which a species or natural community is, or was, present. All rare species documented within the vicinity of the Project Area were then assessed based on associated vegetation communities, soil affinity, associated species, topographic position, shade tolerance, disturbance tolerance, elevation, and population distribution to determine the potential for these species to occur in the Project Area.

Site visits were conducted to generally identify habitat types and significant sensitive wildlife areas within the project sites. The reconnaissance field work was conducted on May 15, 2019 by Georgia Hamer and Margo Moorhouse. Additionally, a protocol level survey was conducted on one special status species that has high potential to exist at the project site based on presence of habitat. Once saturated soils and hydrophytic vegetation were identified, Greg Davis conducted a wetland delineation on June 15, 2019.

2.2 Botanical and Biological Field Survey

On May 15, 2019 PWA botanist Georgia Hamer and fisheries biologist Margo Moorhouse conducted an on foot survey of all proposed project areas. A 200 foot buffer was established from proposed areas of ground disturbance, as to identify any potential habitat for rare species. The project areas and buffer zones were surveyed for plants following the protocol described in recommended resource agency guidelines (CNPS 2001, CDFW 2018). All plants were identified using the Jepson Manual, to the taxonomic level necessary to determine species status. Names given follow the Integrated Taxonomic Information System (ITIS 2019) database of accepted taxonomy. Plant surveys were floristic in nature with all observed species recorded and included on a species list provided in Appendix A. The potential for biological presence (avian and mammals) was evaluated by habitat presence or absence, sign (tracks and scat) and sightings or vocalizations. The ability of the project area to support aquatic life was evaluated through water presence and water temperatures, and the presence of key habitat components. All field mapping was done digitally with AVENZA, to identify potential habitats for the rare species.

2.4 Wetland Delineation Field Survey

A wetland delineation was conducted on the property for jurisdictional waters and wetlands of the United States pursuant to the *Corps of Engineers Wetlands Delineation Manual* (ACOE 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)* (WMVC Supplement, ACOE 2010). Sampling locations were chosen based on representative plant communities and topography within the project site and were evaluated for the presence of hydrophytic vegetation, hydric soils, and wetland hydrology. Wetland determination forms are provided in Appendix C of this document.

Federal regulations define wetlands as: “Those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil” [33CFR328.3(b)].

This definition expresses that, under normal conditions, three parameters must be met to classify a site as a jurisdictional wetland, which includes hydrophytic vegetation, hydric soils, and wetland hydrology.

The U.S. Fish and Wildlife Service National Wetland Inventory (NWI) was referenced prior to the site inspection to assist with choosing sampling locations, however no wetlands were indicated within the project site from their agency (Appendix C).

2.4.1 Vegetation

The presence of hydrophytic vegetation for each site was determined by applying the wetland indicator status (see Table 1, below) for each plant species present in multiple strata using the *WMVC 2016 Wetland Plant List* (ACOE 2016).

The methodology used for determining the presence of hydrophytic vegetation is dependent on the dominant plant species observed at a sampling location using the 50/20 rule. The WMVC

Regional Supplement (ACOE 2010) describes the 50/20 rule as:

"…a repeatable and objective procedure for selecting dominant plant species and is recommended when data are available for all species in the community."

Table 1. Wetland Indicator Status Ratings for Determining Presence of Hydrophytic Vegetation			
Indicator Status	Indicator Code	Description	% Occurrence in Wetlands
Obligate	OBL	Occur almost always under natural conditions in wetlands.	99%
Facultative Wetland	FACW	Usually occur in wetlands but occasionally found in non-wetlands.	67-99%
Facultative	FAC	Equally likely to occur in wetlands and non-wetlands.	33-67%
Facultative Upland	FACU	Usually occur in non-wetlands but occasionally found in wetlands.	1-33%
Upland	UPL	Occur in wetlands in another region, but occur almost always under natural conditions in non-wetlands in the region specified.	1%

Dominant species are chosen independently from each stratum of the community. In general, dominants are the most abundant species that individually or collectively account for more than 50 percent of the total coverage of vegetation in the stratum, plus any other species that, by itself, accounts for at least 20 percent of the total."

Hydrophytic vegetation was determined at the sampled locations by using the Dominance Test, which is met when more than 50 percent of the dominant plant species across all strata are rated OBL, FACW, or FAC.

2.4.2 Soils

Prior to the site inspection, existing soil data was accessed from the USDA Web Soil Survey to identify potential hydric soils located within the project site (Appendix C).

Four soil pits were dug during the site inspection, with a minimum depth of 12 inches below ground surface. Soil profiles were examined for hydric soil indicators listed in the WMVC Regional Supplement. The soil profiles for each test pit within the project site was documented on the associated wetland determination data forms (Appendix C). The Munsell color chart (Macbeth, 2000) was used to determine the hue, value, and chroma of soil matrices and redoximorphic features. Soil textures were determined using the texture by feel technique. When characterizing soil profiles, each sampling location was also inspected for wetland hydrology indicators.

2.4.3 Hydrology

At each test pit, primary and secondary wetland hydrology indicators were documented on the

associated wetland determination data forms, if present (Attachment C). Indicators for wetland hydrology are derived from four groups, (A) observation of surface water or saturated soils; (B) evidence of recent inundation; (C) evidence of current or recent soil saturation; and (D) evidence from other site conditions or data. Additional remarks regarding hydrology at each site are included in the data forms

3.0 RESULTS

3.1 Biological Background Data Search Results

Inquiry results showed that there are 14 rare species occurrences that may be present in the project area (Table 2). Species information was obtained from the databases listed in Section 2.1 of this report. The species list is composed of two (2) plants, two (2) mammals, six (6) avian species, one (1) insect, and three (3) herpetofauna.

3.2 Species Information and Occurrence Potential

See Table 2 for a summary of the information following in sections 3.2.1 through 3.2.5
See Appendix F for a definition of all the Listing Status definitions.

Table 2. Occurrence Potential Data for Biological Reconnaissance Survey

Scientific Name	Common Name	Species Type	Occurrence Potential
Montia howellii	Howell's montia	plant	Potentially – outside of project area
Sidalcea malachroides	maple-leaved checkerbloom	plant	High potential – surveyed for but no species found
Erethizon dorsatum	North American porcupine	mammal	Potentially – outside of project area
Pekania pennanti	fisher	mammal	No potential
Brachyramphus marmoratus	marbled murrelet	avian	Low potential
Charadrius nivosus nivosus	Western Snowy Plover	avian	No potential
Coccyzus americanus	Yellow-billed cuckoo	avian	Low potential
Falco peregrinus anatum	American peregrine falcon	avian	No potential
Pandion haliaetus	osprey	avian	No potential
Strix occidentalis caurina	Northern Spotted Owl	avian	High potential – outside of project area
Bombus caliginosus	obscure bumble-bee	insect	Potentially
Ascaphus truei	Pacific tailed frog	herpetofauna	No potential
Emys marmorata	western pond turtle	herpetofauna	Low potential – outside of project area
Rana boylii	foothill yellow-legged frog	herpetofauna	No potential

3.2.1 Plants

Montia howelii (Howell's montia)
Listing Status: CNDDB Element Ranks – Global G3G4, State S2

An annual, matted, smaller forb (1-9 cm) with alternate leaves and inconspicuous flowers. Commonly found within vernally wet sites and compacted soils under 1,300 ft in elevation. The habitat usually consists of coniferous forests, vernal pools, seeps, and meadows, sometimes clinging to the side of a rock outcrop.

Occurrence Data
There is low potential to occur within the southern forested portion of the property, not close to any planned project areas. See Figure 2 for critical habitat

Sidalcea malachroides (maple-leaved checkerbloom)
Listing Status: CNDDB Element Ranks – Global G3, State S3

Commonly found in broad-leafed upland forest, coastal prairie, coastal scrub, north coast coniferous forest, and riparian forest. The plant favors woodlands and clearings near the coast, often in disturbed areas utilized for farming, logging, or general development. *S. malachroides* is a perennial herb that can be classified as a sub-shrub, is very bristly, and blooms from April to August. The leaves are reminiscent of a maple, but is covered in stiff white hair. The flowers are small (7-15 mm) and range from white to pale purple-white in color. Plants are not found higher in elevation than 3,000 ft.

Occurrence Data
On May 15, 2019 PWA biologist identified multiple areas of high occurrence potential. These areas include the field designated for cannabis development, the buffer zone where forest meets disturbed agricultural fields, and within a stand of willows on the north side of the property. A protocol level survey was conducted throughout the planned cannabis development area, in which no plants were found. Upon the second field visit on June 18, 2019 the landowner cleared the willow stand for fire suppression measures as permitted by CAL FIRE, and well as tilled and removed blackberry from the fringe of the forest. As of June 18, there is one area of high occurrence potential. This area is located along the southern forest buffer zone, and is included within the critical habitat area mapped in Figure 2.

3.2.2 Mammals

Erethizon dorsatum (North American porcupine)
Listing Status: CNDDB Element Ranks – Global G5, State S3

The North American porcupine is a black to browning-yellow rodent with a short round body. It is covered in quills that are solid at the base and hollow at the shaft with barbed tips. The porcupine lives in coniferous, deciduous and mixed forest types and is a generalist without many specific habitat needs.

Occurrence Data
There is potential to occur within the southern forested portion of the property, not close to any planned project areas. See Figure 2 for critical habitat.

Pekania pennanti (fisher)
Listing Status: Global Rank G5T2T3Q, State Rank S2S3, State Status Threatened
BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, USFS_S-Sensitive

Medium-sized light brown to dark blackish-brown mammal, with the face, neck, and shoulder being slightly gray, and a white underbelly. The fisher has a long body, bushy tail, short legs, and weights anywhere from 3-12 lbs. Males range in length from 35-47 in and females range from 29 to 37 in. They normally occur within low- to mid-elevation environments of coniferous and mixed conifer and hardwood forests. They prefer un-fragmented blocks of mature forest with closed canopies and structural complexity near the forest floor. Riparian habitats are also important and may be used as a travel corridor between suitable habitat patches. They avoid open habitats such as grasslands and oak woodlands.

Occurrence Data
There is no potential to occur on this property. There is abundant open grassland habitat and a forest that has been and currently is proposed for timber harvesting. This fragmented forest also lacks the riparian migratory corridor.

3.2.3 Avian Species

Brachyramphus marmoratus (Marbled murrelet)
Listing Status: Threatened

A small redwood dwelling seabird that nests anywhere from 2-30 miles from the surf line. They generally prefer old-growth forests, characterized by large trees, multiple canopy layers, and moderate to high canopy closure. Murrelets nest from late March until mid-September, with the highest activity occurring from mid-May through the end of July. They spend most of their life in the marine environment courting, foraging, loafing, molting, and preening nearshore.

Occurrence Data
There is low potential to occur within the southern forested section of the property. See Figure 2 for critical habitat.

Charadrius nivosus nivosus (Western Snowy Plover)
Listing Status: CNDDB Elemental Ranks - Global G3T3, State S2S3
Federal Status - Threatened
CDFW_SSC-Species of Special Concern
NABCI_RWL-Red Watch List
USFWS_BCC-Birds of Conservation Concern

The snowy plover is a small, inconspicuous shorebird with a pale tan back and white underparts. They have a narrow dark stripe on the forehead and a dark stripe behind the eyes. Snowy plovers are found in areas that match the pale color on their dorsal side including sandy beaches, salt pond levees and shores of large alkali lakes. Nesting seasons range from early March through September, with peak nesting occurring from mid-April through mid-August. Snowy plover nests primarily are shallow scraps or depressions on the ground, typically in sparsely vegetated areas consisting of sandy, gravelly, or other saline substrates. These nests are very well

camouflaged and difficult to identify even to a well-trained eye.

Occurrence Data
No potential to occur, there is no suitable nesting habit on the property.

Coccyzus americanus (Yellow-billed cuckoo)
Listing Status: IUNC Red List of Threatened Species 2016- Least Concern (LC)
CNDDB Elemental Ranks – Global G5T2T3, State S1
Federal Status – Threatened
State Status – Endangered

Yellow-billed cuckoos occur in a variety of riparian habitats with cottonwood and willow stands providing most of their forage grounds in California. They are a medium-sized bird (approximately 12 inches) with grayish-brown plumage above white and red primary flight feathers. Yellow-billed cuckoos inhabit broad home ranges (25-100 acres) and are primarily found in streamside trees in the west, but can also be found in marshes and deciduous woodlands. Nests occur usually 4-10 feet above the ground and consist of twigs, stems and a thin lining of grass, pine needles, leaves, and other materials.

Occurrence Data
Low potential to occur, there are some willows but they are scattered. All wetland areas are bordered by conifers as opposed to hardwoods. See Figure 2 for critical habitat.

Falco peregrinus anatum (American peregrine falcon)
Listing Status: CNDDB Element Ranks – Global G4T4, S3S4
CDF_S-Sensitive
CDFW_FP-Fully Protected
USFWS_BCC-Birds of Conservation Concern

The American peregrine falcon is the largest falcon residing over most of the North American continent. It has long pointed wings, a long tail, and distinct yellow markings around the eyesand its beak. They are usually found near wetlands, lakes, rivers, or other water courses specifically on cliffs, banks, dunes, mounds, or human made structures. Their nests consist of a scrap or a depression or ledge in an open site that is protected from the elements on a rocky outcrop or cliff.

Occurrence Data
No Potential to occur on this property. There are no excessively tall trees, power lines or cliff faces in open areas on the property.

Pandion haliaetus (osprey)
Listing Status: CNDDB Element Ranks – Global G5, State S4

Ospreys are a large, slender hawk with long narrow wings and long legs. They have a marked kink in their wings, making an M-shape when seen from below. The birds are brown above and white below, with a broad brown stripe through their eye. They usually are found around any form of body of water eating almost exclusively fish, and nest on top of poles and dead trees.

Occurrence Data
There is no potential to occur within and around the project sites, no suitable dead trees for nesting were observed.

Strix occidentalis caurina (Northern Spotted Owl, NSO)
Listing Status: IUNC Red List of Threatened Species 2017

A medium-sized (16-19 inches long) dark brown owl that primarily inhabits old growth forests. A spotted owl survey specific for a proposed THP, was conducted for this property on June 6, 2019 by Holmgren Forestry. This NSO compliance review is valid until February 1 2020 and is located in Appendix D with additional information about nearby occurrences in Appendix B.

Occurrence Data

High potential to occur within the southern forested portion of the property, see Figure 2 for critical habitat.

3.2.4 Insects

Bombus caliginosus (obscure bumble-bee)
Listing Status: Global Rank G4, State Rank S1S2, IUCN_VU-Vulnerable
The obscure bumblebee is almost identical to *Bombus vosnesenskii* apart from females having a pale fringe on their abdomen and males having slightly longer antennae. *B.caliginosus* has a yellow face and one yellow stripe across their abdomen. They are found predominantly on specific plant species including *Baccharis, Cirsium, Lupinus, Lotus, Grindelia,* and *Phacelia.*

Occurrence Data
There is potential to occur on this property, but no host plants were identified within the project area.

3.2.5 Herpetofauna

Ascaphus truei (Pacific tailed frog)
Listing Status: CNDDB Element Rank – Global: G4, State: S3S4

Pacific tailed frogs inhabit cold (below 15 degrees C), clear, well-shaded, and fast moving streams with a rocky channel bottom in wet forests. They do not inhabit ponds or lakes. Tadpoles have wide, flat, and downward facing mouths that help with suction onto rocks. Most tailed frogs are darkly colored with grainy skin to help them blend in. Tadpoles often have a white spot on the tip of their tails. Although they spend most of their time in the water, adult tailed-frogs can sometimes be found along stream banks at night or on rainy days.

Occurrence Data
No potential to occur on this property; no streams contain a rocky substrate and are mostly ephemeral.

Emys marmorata (western pond turtle)
Listing status: CNDDB Element Ranks – Global G3G4, State S3
BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

A thoroughly aquatic turtle of ponds, marshes, rivers, streams, and irrigation ditches, usually

with aquatic vegetation, and found below 6000 ft in elevation. The turtle needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5km from water for egg-laying.

Occurrence Data
There is a very low potential for the western pond turtle to occur here, the ponds do not have structures for the animal to climb out nor any foraging opportunity. There is an irrigation ditch that runs into a neighboring pond, but once again there are no foraging opportunities. See Figure 2 for wetland areas.

Rana boylii (foothill yellow-legged frog)
Listing Status: CNDDB Element Ranks – Global G3, State S3
BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened
USFS_S-Sensitive

Yellow legged frogs occur in streams and rivers with rocky substrates, cool water temperatures and within a variety of lotic habitats. They need at least some cobble-sized substrate to lay their egg masses on, and at least 15 weeks to attain metamorphosis. They can be identified by their smaller bodies (~3.5 inches) and their defensive mechanism. Yellow legged frogs will often jump into water and sit on the bottom, using their cryptic bodies to hide them while other species of frogs either hop away or dive into deep water and swim away quickly.

Occurrence Data
There is no potential to occur on this property as there is no suitable cobble to lay the egg masses.

3.3 Botanical Protocol Level Survey
A protocol level survey was conducted in all potential habitat and planned areas of development that were identified for *Sidalcea malachroides*. No occurrences of *Sidalcea malachroides* were identified. See Appendix A for the complete taxa list and Figure 2 for the area surveyed in yellow.

3.4 Wetland Delineation
Wetlands identified on the project site exist to the south of the alfalfa field, along the toe of a north facing hillslope and along the southwestern property line. The sampling locations are described in the attached wetland determination forms and the test pits (TP) are represented on Figure 2.

3.4.1 Wetland #1
PWA identified Wetland #1 (TP-1) along the southern edge of the alfalfa field at the break-in-slope, below a forested hillside (Figure 2). This feature was characterized as an approximately 0.11 acre freshwater emergent wetland. This area was cleared of shrub and tree cover between May 2014 and May 2016 with slash stockpiled onsite, which made wetland boundaries somewhat difficult to discern. This site passed the Dominance Test for hydrophytic vegetation with a plant community composed primarily of *Alisma lanceolatum* (lance-leaf water plantain).

The hydric soil indicators present at this site are Loamy Gleyed Matrix (F2) and Depleted Matrix (F3). Primary wetland hydrology indicators present include Surface Water (A1), High Water Table (A2), and Saturation (A3) with the secondary indicators of Geomorphic Position (D2) and the FAC-Neutral Test (D5).

3.4.2 Wetland #2

At this location an emergent spring was developed into a pond, where a lateral overflow ditch leads west along the tree line and is confined to the break-in-slope by a constructed berm at the edge of the alfalfa field (Figure 2). The pond is approximately 725 square feet and, when paired with the overflow path, is a 0.03 acre freshwater emergent wetland. This site (TP-2) passed the Dominance Test for hydrophytic vegetation with a plant community dominated by *Sequoia sempervirens* (coastal redwood), *Notholithocarpus densiflorus* (tanoak), *Equisetum arvense* (field horsetail), *Oenanthe sarmentosa* (Pacific Water-Dropwort), *Veronica americana* (American-Brooklime), *Lemna minor* (common duckweed), and *Rubus armeniacus* (Himalayan blackberry). The hydric soil indicators present at this site are Hydrogen Sulfide (A4) and Loamy Gleyed Matrix (F2). Primary wetland hydrology indicators present include Surface Water (A1), High Water Table (A2), Saturation (A3), and Hydrogen Sulfide Odor (C1) with the secondary indicators of Geomorphic Position (D2) and the FAC-Neutral Test (D5).

3.4.3 Wetland #3

Adjacent to the western property boundary and at the outlet of the pond overflow of Wetland #2, PWA identified Wetland #3 (TP-3), which continues off the property to the west and parallels the fence line on the neighboring parcel for approximately 150 feet (Figure 2). This site passed the Dominance Test for hydrophytic vegetation with an overstory dominated by *S. sempervirens* and *Salix lasiolepis* (Arroyo willow) and an herb stratum composed primarily of *Scirpus microcarpus* (Red-tinge bulrush) and *E. arvense*. The hydric soil indicator present at this site was Depleted Matrix (F3). Primary wetland hydrology indicators present include Surface Water (A1), High Water Table (A2), and Saturation (A3) with the secondary indicators of Drainage Patterns (B10), Geomorphic Position (D2) and the FAC-Neutral Test (D5).

3.4.4 Drainage Ditch

A test pit was sampled next to the central drainage ditch at the western property line (TP-4, Figure 2). Sampling point TP-4 exhibits wetland characteristics due to historic backwatering of the man-made ditch beyond the western property line, where the ditch is flat to somewhat of a reverse grade for a short distance. The fence line was recently cleared of vegetation, but based on the existing herbaceous and woody cover, the Dominance test for hydrophytic vegetation was met. Hydric soils were also present here with the Depleted Matrix (F3) indicator. Wetland hydrology was not met here, but there was some surface water in the drainage ditch. Based on existing conditions this site was not identified to be a wetland, as the frequency and duration of inundation comes from an ephemeral, manmade conveyance that primarily backwaters in response to storm events.

3.5 Invasive Species Management Plan

Throughout the property, there are many non-native species and specifically three invasive species to focus efforts on eradicating. This non-native assemblage is due to the historic

agricultural land use associated with farming and grazing as explained in section 1.3. The three invasive species to focus efforts on include *Circium vulgare* (bullthistle), *Holcus lanatus* (velvet grass), and *Rubus armeniacus* (Himalayan blackberry). For each species their location on the property will be specified, their identification will be explained, followed by species specific eradication methods.

- *Cicrium vulgare* (Bull thistle) – When visited in May and June, small thistles were identified throughout the agricultural fields. It is not palatable to livestock, reduces the forage potential of infested pasture, and out competes native plants. *C.vulgare* is listed as Moderate Invasiveness on California Invasive Plant Council (Cal-IPC). Identification is based upon the following characteristics: Grows up to 7ft in height, Leaves are up to 12 inches long and deeply lobed with coarse prickly hairs on top and woolly hairs underneath, stem has spiny wings that run down the length of the stem, and finally a purple inflorescence. Tilling, hand pulling, and other means of mechanical removal are effective and should be done before flowering to prevent seed production. A single mowing in one season of the thistle is generally insufficient because of erratic phenology. Landowner should mow his agricultural fields twice a year for 5 years or as needed, while reseeding with native grass in between intervals. See Table 3 for a list of native grasses that are suitable to be seeded in the Holmes Flat area.
- *Holcus lanatus* (velvet grass) – When visited in May and June, mature velvet grass was identified within all agricultural fields on the property, as well as encroaching upon the identified wetlands. *H.lanatus* rapidly colonizes disturbed areas, where it out competes natives species for soil moisture and nutrients. The grass is listed as moderate invasiveness on Cal-IPC. Identification is based upon the following characteristics: a tufted perennial typically 2-3 feet tall with a soft pubescent green-gray foliage. This foliage can look like gray hairs, giving the species the common name velvet grass. Because *H.lanatus* is within the same field as *C.vulgare*, the management practice will be the same. Landowner should mow his agricultural fields twice a year for 5 years or as needed, while reseeding with native grass in between intervals. See Table 3 for a list of native grasses that are suitable to be seeded in the Holmes Flat area.
- *Rubus armeniacus* (Himalayan blackberry) – When visited in May and June, mature *R.armeniacus* was identified along the forest buffer zone (Figure 2), sprouting within the agricultural fields, with especially high densities on the west side of the property parallel to the neighboring parcel's fence. Himalayan blackberry is a perennial evergreen bramble, with leaves that come in sets of three or five and is listed as high invasiveness on Cal-IPC. The stem is what differentiates it from native species, being robust with large stiff prickles. The most effective way to eradicate this plant is by removing the root crowns and other major root systems but can be labor intensive. To reduce physical strain, the landowner will remove above ground canes every year for up to five years if needed. This will exhaust the plant of nutrients, eventually causing its demise.

At the end of the five year eradication plan, the landowner should have a qualified professional survey and determine the extent of invasive removal, and develop a subsequent

plan if needed. See Table 3 below to recommended grass species to be planted, though any native grass seed that can survive within this area is suitable.

Table 3. Native Grass Species to Seed in the Holmes Flat Area*		
Scientific Name	Common Name	Growth Cycle
Bromus carinatus	California brome	Easy
Elymus glaucus	Blue wildrye	Easy
Festuca idahoensis	Idaho fescue	Easy
Leymus triticodides	Creeping wildrye	Easy
Poa secunda	sandberg bluegrass	Moderatly Easy
Hordeum brachyantherum	Meadow barley	Slightly Difficult
Koeleria macrantha	Junegrass	Easy
Melica californica	California melic grass	Easy
*All information in this table is from the NRCS California E-Veg Guide at https://www.calflora.org/nrcs/index.html		

4.0 DISCUSSION

Because this property has been managed as an agricultural homestead and farm for over a century, there are already large amounts of areas that have been subject to repeated disturbance. Most of the species found in the fields are agricultural weeds, specifically noxious grasses, making it difficult for native species to gain a foothold. The forest on the southern portion of the property appears to be healthy, with a complex understory and minimal weed encroachment. This stark difference in ecosystem health between the forest and the agricultural fields can be attributed to the wetland border at the forest buffer zone. The wetland needs to be protected and maintained to continue to act as a barrier preserving forest health; this will help to promote the species-specific potential habitat identified in the area. No work shall be conducted within the wetlands or associated buffer zone for enhancement or development without the appropriate permits. Additionally, though no plants were identified during the protocol level searches, *S.malachroides* has the potential to occur within the forest buffer zones. We recommend the landowner not develop, till, or remove any vegetation within these buffer zones so to not impact a special status species. Overall, this property is well suited for cannabis cultivation given its agricultural history but care should be taken to avoid the wetlands, forest buffer zone, and closed canopy forest itself. See Figure 2 for the critical habitat identified.

5.0 CONCLUSIONS AND RECCOMENDATIONS

Recommended mitigation measures for specific species habitat identified in the Project Area are identified below, though avoidance is always the most effective and preferred method.

- Northern Spotted Owl – If generators are used on the property, they shall be enclosed to reduce sound escapement to no greater than 50db. The landowner will minimize or avoid work with heavy machinery associated with the cultivation of cannabis within the nesting period, starting in February through July if the sound escapement db standard cannot be met. All recommendations are pursuant with county Ordinance 2559.
- *Sidalcea malachroides* – The landowner will not commence new development outside of the survey areas and not remove vegetation from forest buffer zone (Figure 2) unless surveyed beforehand.

- The landowner will follow the plan and timeline laid out in section 3.5 Invasive Species Management, and contact a qualified professional after five years if an additional eradication plan is needed.

5.1 Wetland Delineation

As per Humboldt County Code, wetlands shall be provided with a 50 foot buffer to avoid impacts and discharge to surface waters. It is also recommended that a 50 foot buffer be maintained from the central drainage ditch, as defined in the CCLUO Site Plan.

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CERTIFICATION AND LIMITATIONS

This report entitled *Biological Reconnaissance. Protocol Le .fr APN: 209-33 J-002. I-folnl-es, I -h.u nb oldt County.* reflects P in accordance with current standards of professional practice, date. No other warrant, expressed or implied, is made. P W A the conditions of the property with the passage of time, wheth works of man or changing conditions on adjacent area. Fina changes in applicable or appropriate standards beyond ou co changes in legislation or the broadening of knowledge, which

In my professional opinion the sites (TP-1, TP-?, TP-3) satis waters of the state, or waters of the United States pursuant to Regional Supplement and appropriate guidance and pursuant regulatory stat including but not limited to the Anny Corps

Greg Davis Staff Wetland Scientist
Pacific Watershed Associates Inc.
P.O. Box 4433 • Arcata, CA 95518-4433

In my professional opinion, the forested southern portion of t critical habitat for multiple species and should not be develop contain no rare species and can be developed, and the forest b "With no new vegetation removal without a protocol levels ur

Georgia Hamer, Staff Ecologist / Rare Plant Specialist
Pacific Watershed Associates Inc.
P.O. Box 4433 • Arcata, CA 95518-4433

In my professional opinion, and despite no rare aquatic organ were evident, the wetland portions of the property and the spr habitats for aquatic vertebrates and invertebrates endemic to as to serve as a transitional buffer between the agriculturally forested areas for multiple species and are to remain intact w excluding anthropogenic activities.

Margo Moorhouse, Fisheries Biologist/Aquatic Ecologist
Pacific Watershed Associates Inc.
P.O. Box 4433 • Arcata, CA 95518-4433

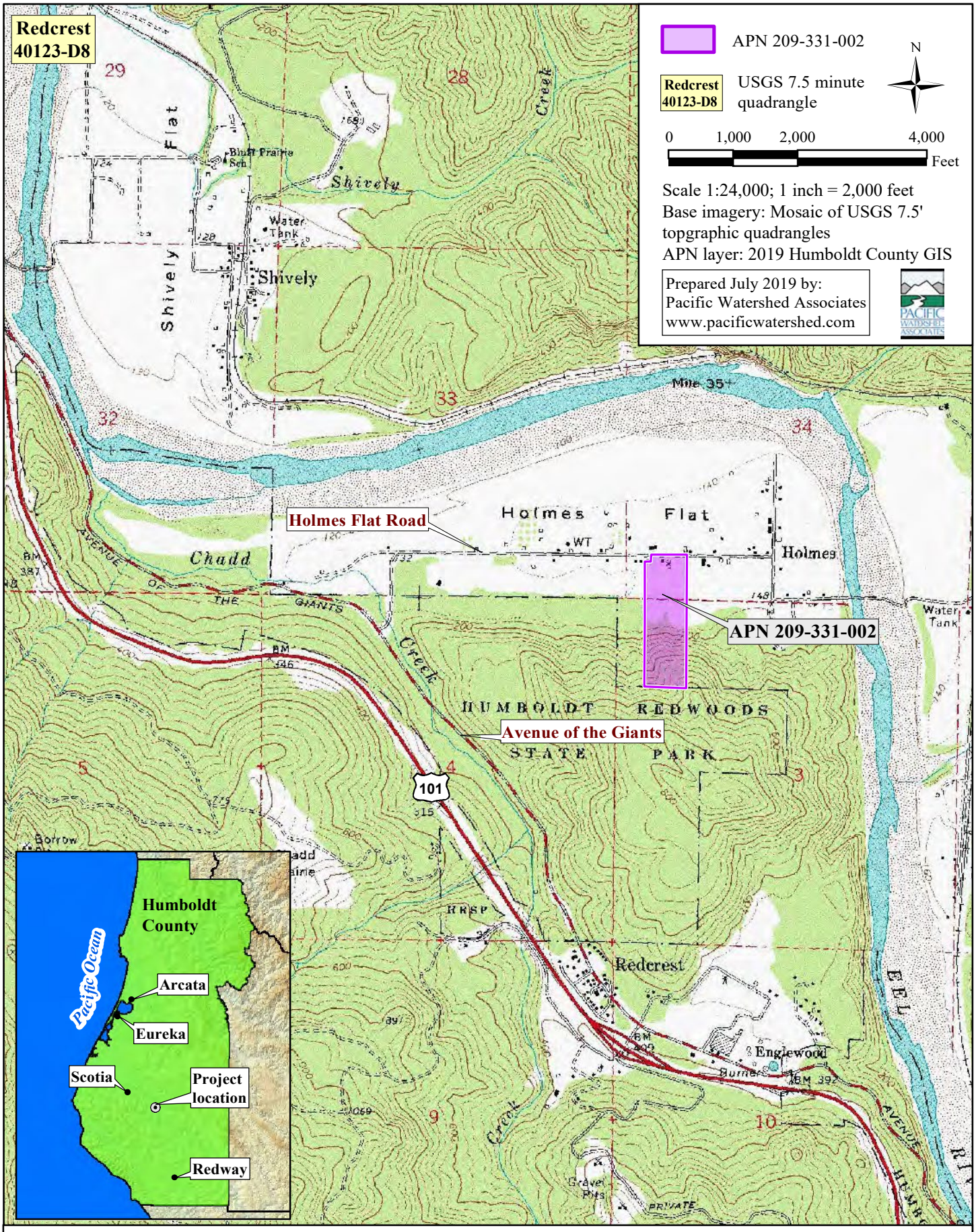

Figure 1. Location map for APN 209-331-002, located at 1048 Holmes Flat Road, Redcrest, Humboldt County, California.

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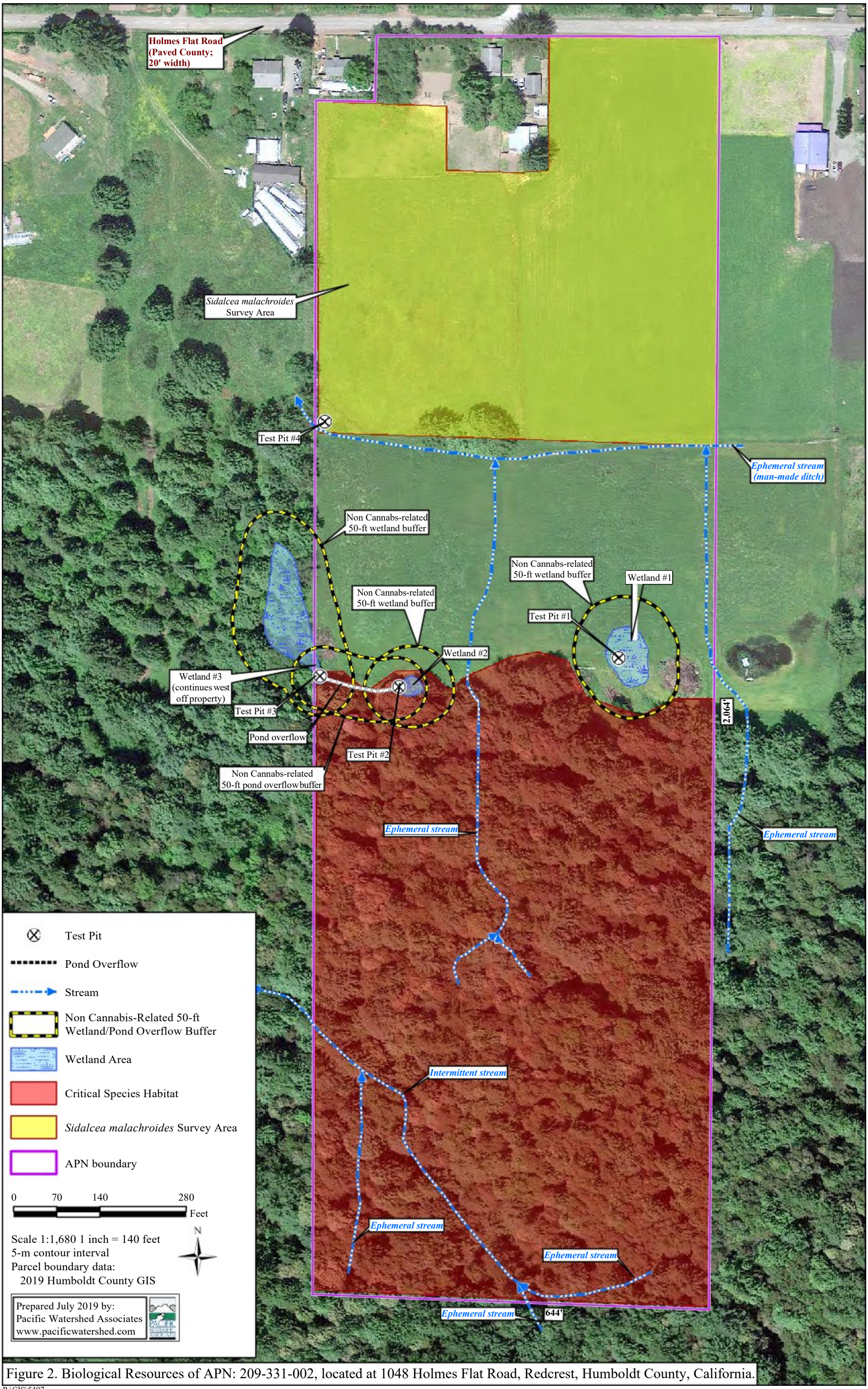

Figure 2. Biological Resources of APN: 209-331-002, located at 1048 Holmes Flat Road, Redcrest, Humboldt County, California.

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Appendix A

Biological Reconnaissance, Protocol Level Survey, and Wetland Delineation for APN: 209-331-002, Holmes, Humboldt County

Biological Reconnaissance and Protocol Level Survey Taxa List

July 2019

Table 1. Taxa List

Pacific Watershed Associates
Georgia Hamer
Greg Davis
Margo Moorhouse

Biological Reconnaissance and Protocol Level Survey Taxa List

Plant surveys were conducted by Georgia Hamer on May 15 2019 and June 18 2019

Nomenclature and taxonomy follows the Integrated Taxonomic Information System, 2019.

Rare plant Rank 1B = Plants rare, threatened, or endangered in California and elsewhere.

Origin: N- Native, NN- Non-Native

Total Taxa: 35 Families: 21

Genus	species	Common Name	Family	Origin
Alisma	lanceolatum	Water plantain	Alismataceae	NN
Toxicodendron	diversilobum	poison oak	Anacardiaceae	N
Oenanthe	samentosa	Water parsley	Apiaceae	N
Hedera	helix	English ivy	Araliaceae	NN
Achillea	millefolium	Yarrow	Asteraceae	N
Circium	vulgare	Bull thistle	Asteraceae	NN
Crataegus	monogyna	Hawthorn	Asteraceae	NN
Helminthotheca	echioides	bristly ox tongue	Asteraceae	NN
Lactuca	serriola	prickly lettuce	Asteraceae	NN
Athyrium	filix-femina	lady fern	Athyriaceae	N
Brassica	rappa	Black mustard	Brassicaceae	NN
Hirschfeldia	incana	mustard	Brassicaceae	NN
Dysphania	pumilio	Tasmanian goosefoot	Chenopodiaceae	NN
Sequoia	sempervirens	Redwood	Cupressaceae	N
Carex	leptopoda	slender-footed sedge	Cyperaceae	N
Polystichum	munitum	sword fern	Dryopteridaceae	N
Equisetum	arvense	horsetail	Equisetaceae	N
Trifolium	repens	White clover	Fabaceae	NN
Vicia	villosa	hairy vetch	Fabaceae	NN
Notholithocarpus	densiflorus	tanoak	Fagaceae	N
Juncus	effusus	soft rush	Juncaceae	N
Mentha	pulegium	penny royal	Lamiaceae	NN
Lysimachia	arvensis	scarley pimpernel	Myrsinaceae	NN
Pseudotsuga	menziesii	Douglas-fir	Pinaceae	N
Plantago	lanceolata	English Plantain	Plantaginaceae	NN
Veronica	americana	speedwell	Plantaginaceae	N
Briza	minor	Little quacking grass	Poaceae	NN
Bromus	commutatus	hairy chess	Poaceae	NN
Elymus	repens	Quack grass	Poaceae	NN
Holcus	lanatus	Velvet grass	Poaceae	NN
Hordeum	brachyantherum	Meadow barley	Poaceae	N
Rumex	acetocella	sheep sorrel	Polygonaceae	NN
Ranunculus	repens	Creeping buttercup	Ranunculaceae	NN
Rubus	armeniacus	Himalayan blackberry	Rosaceae	NN
Salix	sp.	Willow	Salicaceae	N
Urtica	dioica	stinging nettle	Urticaceae	N

Appendix B

Biological Reconnaissance, Protocol Level Survey, and Wetland Delineation for APN: 209-331-002, Holmes, Humboldt County

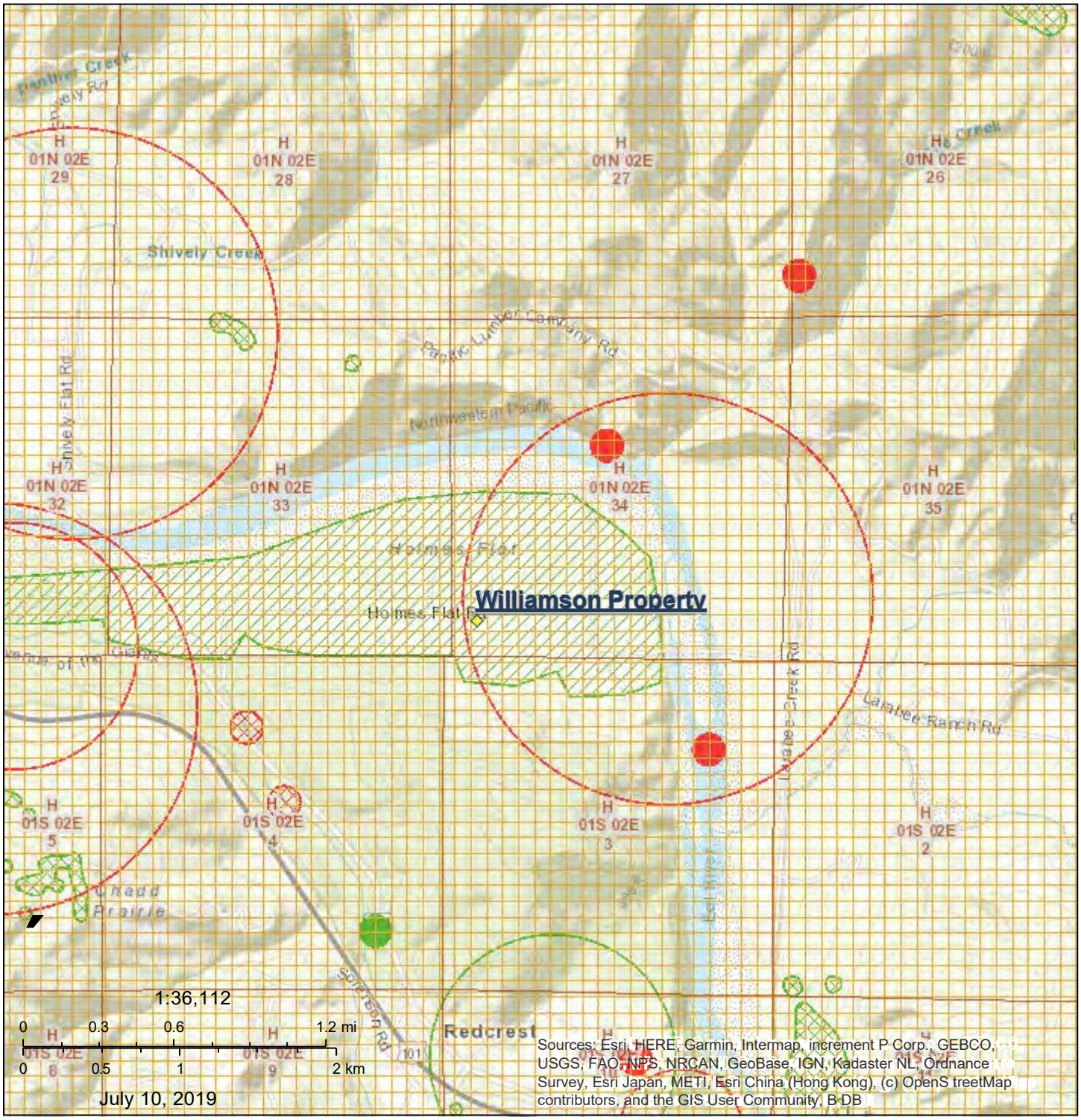
California Natural Diversity Database
Northern Spotted Owl Database
National Wetlands Inventory

July 2019

Figure 1. CNDDB Elemental Occurrences
Figure 2. Northern Spotted Owl Observations
CNDDB Occurrence Report
Report #1 – Spotted Owl Sites Found
Report #2 – Observations Reported

Pacific Watershed Associates
Georgia Hamer
Greg Davis
Margo Moorhouse

Figure 1. CNDDB Elemental Occurrences

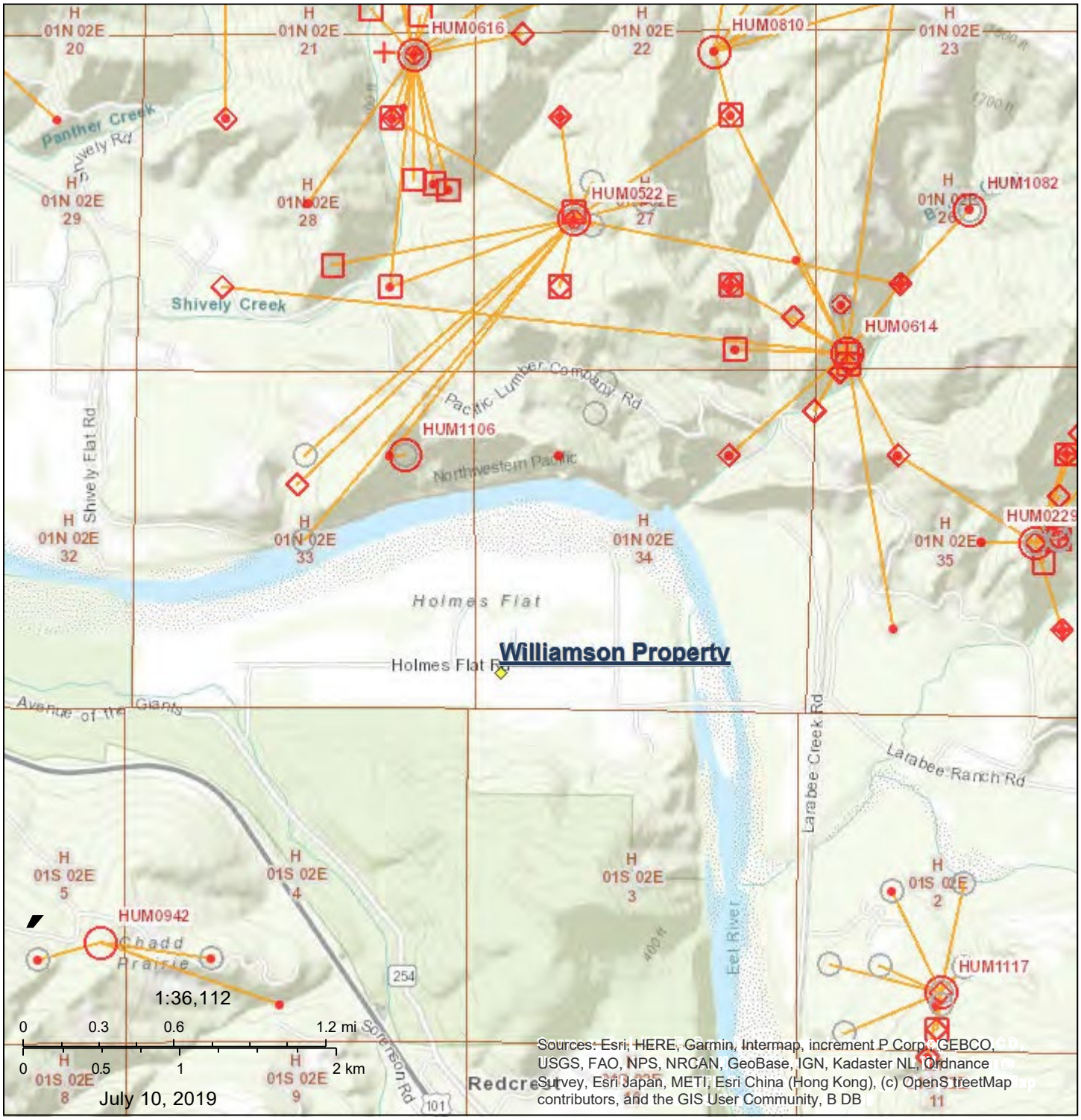


California Natural Diversity Database (CNDDB) Commercial [ds85]

- Plant (80m)
- Plant (specific)
- Plant (non-specific)
- Plant (circular)
- Animal (80m)
- Animal (specific)
- Animal (non-specific)
- Animal (circular)
- Terrestrial Comm. (80m)
- Terrestrial Comm. (specific)
- Terrestrial Comm. (non-specific)
- Terrestrial Comm. (circular)
- Aquatic Comm. (80m)
- Aquatic Comm. (specific)
- Aquatic Comm. (non-specific)
- Aquatic Comm. (circular)
- Multiple (80m)
- Multiple (specific)
- Multiple (non-specific)
- Multiple (circular)
- Sensitive EO's (Commercial only)

Author: Georgia Hamer - Pacific Watershed Associates

Figure 2. Northern Spotted Owl Observations



Spotted Owl Observations [ds704]

- Nest
- Young
- Pair
- Other Positive Observation
- Negative Observation
- Activity Center
- Abandoned Activity Center
- Not Valid Activity Center
- Spotted Owl Observations Spider Diagram [ds705]

Author: Georgia Hamer - Pacific Watershed Associates

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	79803	**EO Index:**	80791
Key Quad:	Redcrest (4012348)	**Element Code:**	AAABA01010
Occurrence Number:	211	**Occurrence Last Updated:**	2018-03-15

Scientific Name: *Ascaphus truei* **Common Name:** Pacific tailed frog

Listing Status: **Federal:** None
State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G4
State: S3S4

General Habitat:

OCCURS IN MONTANE HARDWOOD-CONIFER, REDWOOD, DOUGLAS-FIR & PONDEROSA PINE HABITATS.

Micro Habitat:

RESTRICTED TO PERENNIAL MONTANE STREAMS. TADPOLES REQUIRE WATER BELOW 15 DEGREES C.

Last Date Observed:	1964-12-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1964-12-06	**Occurrence Rank:**	Unknown
Owner/Manager:	DPR-HUMBOLDT REDWOODS SP, PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

CHADD CREEK AND TRIBUTARIES, SOUTH OF BEAR CREEK BRIDGE, ABOUT 2 MILES NORTH OF REDCREST ALONG AVENUE OF THE GIANTS.

Detailed Location:

Ecological:

Threats:

General:

COLLECTED ON 22 JUN 1930, 27 MAR 1939, 14 JUL 1941, 9 NOV 1941, 23 JULY 1952, 28 DEC 1962, 15 MAR 1963, 11 SEP 1963, AND 6 DEC 1964.

PLSS:	T01S, R02E, Sec. 05 (H)	**Accuracy:**	3/5 mile	**Area (acres):**	0
UTM:	Zone-10 N4474193 E417333	**Latitude/Longitude:**	40.41426 / -123.97435	**Elevation (feet):**	340

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

BRO80U0001	BRODE, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GEOGRAPHIC REFERENCE CARD CATALOG OF SPECIMENS AND FIELD NOTE RECORDS COMPILED BY JOHN BRODE (DFG) 1980-XX-XX
BUR62S0001	BURY, R. - HSU #189 COLLECTED 1.3 MI S OF PEPPERWOOD 1962-12-28
BUR62S0002	BURY, R. - HSU #170 COLLECTED 1.5 MI S OF PEPPERWOOD, SMALL STREAM UNDER US 101 1962-12-28
BUR63S0014	BURY, R. - HSU #236 COLLECTED 1.5 MI S OF PEPPERWOOD 1963-09-11
BUR63S0015	BURY, R. - HSU #207 COLLECTED 2.5 MI S OF PEPPERWOOD, DUGOUT OF ROCK BANK NEAR CREEK 1963-03-15
BUR64S0014	BURY, R. - HSU #331 COLLECTED 2 MI S OF PEPPERWOOD 1964-12-06
MAS41S0015	MASLIN, T. & G. MYERS - CAS-SU #7371 & 7372 COLLECTED FROM ASCAPHUS CREEK, 0.5 MI N OF HOLMES 1941-11-09
MAS41S0016	MYERS, R. & G. MYERS - CAS-SU #7390-7399 COLLECTED FROM REDWOOD HWY, 0.5 MI N OF ROAD TO HOLMES, 1.4 MI S OF BEAR CREEK BRIDGE, ASCAPHUS CREEK 1941-07-14
MIT49A0001	MITTLEMAN, M. & G. MYERS - GEOGRAPHIC VARIATION IN THE RIBBED FROG, ASCAPHUS TRUEI. PROCEEDINGS OF THE BIOLOGICAL SOCIETY OF WASHINGTON 62:57-68 1949-04-27
MYE30S0001	MYERS, G. - USNM #93779 COLLECTED NEAR SCOTIA (4 SPECIMENS) 1930-06-22
MYE31A0001	MYERS, G. - ASCAPHUS TRUEI IN HUMBOLDT COUNTY, CALIFORNIA, WITH A NOTE ON THE HABITS OF THE TADPOLE. COPEIA 1931 (2): 56-57. 1931-06-20
MYE39S0004	MYERS, G. & W. GOSLINE - CAS-SU #4636-4642 COLLECTED FROM REDWOOD HWY, SMALL STREAM 8.6 MI N OF WEOTT 1939-03-27
MYE43A0001	MYERS, G. - NOTES ON RHYACOTRITON OLYMPICUS AND ASCAPHUS TRUEI IN HUMBOLDT COUNTY, CALIFORNIA. COPEIA 1943 (2): 125-126. 1943-06-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	69681	**EO Index:**	70466
Key Quad:	Redcrest (4012348)	**Element Code:**	AAABH01050
Occurrence Number:	466	**Occurrence Last Updated:**	2017-11-16

Scientific Name: *Rana boylii*

Common Name: foothill yellow-legged frog

Listing Status: **Federal:** None
State: Candidate Threatened

CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened
USFS_S-Sensitive

General Habitat:

PARTLY-SHADED, SHALLOW STREAMS AND RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.

Micro Habitat:

NEEDS AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEEDS AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.

Last Date Observed:	2011-07-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2011-07-19	**Occurrence Rank:**	Fair
Owner/Manager:	CALTRANS, DPR	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

CHADD CREEK AND INTERMITTENT TRIBUTARY, JUST EAST OF HIGHWAY 101, 0.8 MILE NW OF REDCREST.

Detailed Location:

MAPPED AS A 2-PART POLYGON ON EITHER SIDE OF AVE OFTHE GIANTS. INTERMITTENT TRIBUTARY TO CHADD CREEK CROSSES HIGHWAY 101 AT MILEPOST 40.67; FROG OBSERVED IN A POOL IN THE OUTFALL OF A LONG CULVERT THAT PASSES UNDER AND EAST OF HIGHWAY 101.

Ecological:

HABITAT CONSISTS OF AN INTERMITTENT TRIBUTARY FLOWING THROUGH A DISTURBED OPENING IN REDWOOD FOREST.

Threats:

THREATENED BY CULVERT MAINTENANCE ACTIVITIES.

General:

1 ADULT OBSERVED ON 16 MAY 2002. 2 OBSERVED ON 19 JUL 2011.

PLSS:	T01S, R02E, Sec. 4, N (H)	**Accuracy:**	specific area	**Area (acres):**	10
UTM:	Zone-10 N4473906 E418663	**Latitude/Longitude:**	40.41181 / -123.95865	**Elevation (feet):**	160

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

HER16D0001	HERP, INC. - HERPETOLOGICAL EDUCATION AND RESEARCH PROJECT (HERP) DATABASE. FORMERLY A PROJECT OF THE NORTH AMERICAN FIELD HERPING ASSOCIATION 2016-10-11
MEI02F0001	MEIGS, J. (CALIFORNIA DEPARTMENT OF TRANSPORTATION) - FIELD SURVEY FORM FOR RANA BOYLII 2002-05-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B0028	**EO Index:**	111884
Key Quad:	Redcrest (4012348)	**Element Code:**	AAABH01050
Occurrence Number:	2117	**Occurrence Last Updated:**	2018-08-13

Scientific Name: *Rana boylii*

Common Name: foothill yellow-legged frog

Listing Status: **Federal:** None
State: Candidate Threatened

CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened
USFS_S-Sensitive

General Habitat:

PARTLY-SHADED, SHALLOW STREAMS AND RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.

Micro Habitat:

NEEDS AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEEDS AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.

Last Date Observed:	1996-05-10	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1996-05-10	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EEL RIVER, IN VICINITY OF HOLMES.

Detailed Location:

COLLECTED FROM "MARGIN OF EEL RIVER NEAR HOLMES."

Ecological:

FOUND IN STOMACH OF A SACRAMENTO PIKE MINNOW. SACRAMENTO PIKE MINNOW INTRODUCED INTO THE EEL RIVER DRAINAGE IN 1979.

Threats:

NON-NATIVE PIKE MINNOW.

General:

1 ADULT FEMALE AND 1 EGGMASS COLLECTED FROM STOMACH OF PIKE MINNOW ON 10 MAY 1996.

PLSS:	T01N, R02E, Sec. 34, SE (H)	**Accuracy:**	3/5 mile	**Area (acres):**	776
UTM:	Zone-10 N4474692 E420634	**Latitude/Longitude:**	40.41908 / -123.93552	**Elevation (feet):**	99

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

ASH07A0001 ASHTON, D. & R. NAKAMOTO - NATURAL HISTORY NOTES: RANA BOYLII (FOOTHILL YELLOW-LEGGED FROG) PREDATION. HERPETOLOGICAL REVIEW 38(4):442. 2007-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A8761
Key Quad: Redcrest (4012348)
Occurrence Number: 59

EO Index: 110554
Element Code: ABNKD06071
Occurrence Last Updated: 2018-03-22

Scientific Name: *Falco peregrinus anatum*
Common Name: American peregrine falcon

Listing Status: **Federal:** Delisted
*** SENSITIVE *** **State:** Delisted
CNDDB Element Ranks: **Global:** G4T4
State: S3S4

Rare Plant Rank:
Other Lists: CDF_S-Sensitive
CDFW_FP-Fully Protected
USFWS_BCC-Birds of Conservation Concern

General Habitat:
NEAR WETLANDS, LAKES, RIVERS, OR OTHER WATER; ON CLIFFS, BANKS, DUNES, MOUNDS; ALSO, HUMAN-MADE STRUCTURES.

Micro Habitat:
NEST CONSISTS OF A SCRAPE OR A DEPRESSION OR LEDGE IN AN OPEN SITE.

Last Date Observed: 2017-05-16
Last Survey Date: 2017-05-16
Owner/Manager:
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Excellent
Trend: Unknown

Location:
SENSITIVE LOCATION INFORMATION SUPPRESSED.

Detailed Location:
PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological:
NEST WAS RELATIVELY LOW ON A CLIFF AND OBSCURED BY VEGETATIVE COVER.

Threats:
VICINITY OF STRONG ARMED 12-126 TIMBER HARVEST PLAN.

General:

PLSS:
UTM:

Accuracy: 80 meters
Latitude/Longitude:

Area (acres): 5
Elevation (feet): 528

County Summary:	Quad Summary:
Humboldt	Redcrest (4012348)

Sources:

CHI16F0002 CHINNICI, S. (HUMBOLDT REDWOOD COMPANY, LLC) - FIELD SURVEY FORM FOR FALCO PEREGRINUS ANATUM 2016-03-31
CHI16F0003 CHINNICI, S. (HUMBOLDT REDWOOD COMPANY, LLC) - FIELD SURVEY FORM FOR FALCO PEREGRINUS ANATUM 2016-05-24
CHI16F0004 CHINNICI, S. (HUMBOLDT REDWOOD COMPANY, LLC) - FIELD SURVEY FORM FOR FALCO PEREGRINUS ANATUM 2016-06-28
CHI17F0002 CHINNICI, S. (HUMBOLDT REDWOOD COMPANY, LLC) - FIELD SURVEY FORM FOR FALCO PEREGRINUS ANATUM 2017-04-20
CHI17F0003 CHINNICI, S. (HUMBOLDT REDWOOD COMPANY, LLC) - FIELD SURVEY FORM FOR FALCO PEREGRINUS ANATUM 2017-05-16
HRC14R0002 HUMBOLDT REDWOOD COMPANY - PEREGRINE FALCON ANNUAL REPORT, 2013 2014-02-01
HRC15R0005 HUMBOLDT REDWOOD COMPANY - PEREGRINE FALCON ANNUAL REPORT, 2014 2015-02-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	45185	**EO Index:**	45185
Key Quad:	Redcrest (4012348)	**Element Code:**	ARAAD02030
Occurrence Number:	522	**Occurrence Last Updated:**	2001-04-12

Scientific Name: *Emys marmorata* **Common Name:** western pond turtle

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3G4
State: S3

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS AND IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.

Micro Habitat:

NEEDS BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYING.

Last Date Observed:	2001-03-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-03-27	**Occurrence Rank:**	Good
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EEL RIVER, JUST WEST OF THE BRIDGE CREEK CONFLUENCE, EAST OF SHIVELY.

Detailed Location:

TURTLE OBSERVED RESTING ON A LOG WITHIN THE EEL RIVER.

Ecological:

HABITAT CONSISTS OF RIPARIAN; SURROUNDED BY PRIVATELY-LOGGED FOREST, RAILROAD, AND PASTURELAND.

Threats:

POSSIBLE THREAT FROM EROSION (EEL RIVER WATER HIGHLY TURBID).

General:

1 ADULT (SHELL SIZE 7.5-8.5" IN LENGTH) OBSERVED ON 27 MAR 2001.

PLSS:	T01N, R02E, Sec. 34, NW (H)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-10 N4475438 E420343	**Latitude/Longitude:**	40.42577 / -123.93903	**Elevation (feet):**	100

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

WAL01F0002	WALKER, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-EUREKA) - FIELD SURVEY FORM FOR CLEMMYS MARMORATA (MARMORATA) 2001-03-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	70674	**EO Index:**	71583
Key Quad:	Redcrest (4012348)	**Element Code:**	ARAAD02030
Occurrence Number:	734	**Occurrence Last Updated:**	2008-01-08

Scientific Name: *Emys marmorata*

Common Name: western pond turtle

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3G4
State: S3

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS AND IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.

Micro Habitat:

NEEDS BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYING.

Last Date Observed:	2006-06-01	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2006-06-01	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT-PACIFIC LUMBER CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EEL RIVER, 0.50 MILES SSE OF HOLMES.

Detailed Location:

Ecological:

Threats:

General:

1 TURTLE OBSERVED. OBSERVATION COMPILED BY C. BONDI, DFG FROM THE PACIFIC LUMBER COMPANY, JUNE 2006 COVERED SPECIES LOCATIONS: AMPHIBIANS AND REPTILES. NO DATA ON ABUNDANCE, AGE, SEX OR HABITAT AVAILABLE.

PLSS:	T01S, R02E, Sec. 03 (H)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-10 N4473957 E420825	**Latitude/Longitude:**	40.41247 / -123.93317	**Elevation (feet):**	100

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

DFG07D0001 CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 1 - WESTERN POND TURTLE OBSERVATIONS IN REGION 1. BIOS DATASET 313. 2007-04-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 96174
EO Index: 97332
Key Quad: Redcrest (4012348)
Element Code: IIHYM24380
Occurrence Number: 34
Occurrence Last Updated: 2015-06-08

Scientific Name: *Bombus caliginosus*
Common Name: obscure bumble bee

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G4?
State: S1S2

General Habitat:
COASTAL AREAS FROM SANTA BARABARA COUNTY TO NORTH TO WASHINGTON STATE.

Micro Habitat:
FOOD PLANT GENERA INCLUDE BACCHARIS, CIRSIUM, LUPINUS, LOTUS, GRINDELIA AND PHACELIA.

Last Date Observed: 1956-08-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1956-08-21
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
SHIVELY, EAST SIDE OF THE EEL RIVER.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB CENTERED ON SHIVELY.

Ecological:

Threats:

General:
COLLECTED BY HURD 21 AUG 1956.

PLSS: T01N, R02E, Sec. 32 (H)
Accuracy: 3/5 mile
Area (acres): 0
UTM: Zone-10 N4476013 E417743
Latitude/Longitude: 40.43069 / -123.96975
Elevation (feet): 150

County Summary:
Humboldt

Quad Summary:
Redcrest (4012348)

Sources:
HUR56S0002 HURD, P. - EMEC #552861 COLLECTED FROM SHIVELY 1956-08-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	35015	**EO Index:**	146
Key Quad:	Redcrest (4012348)	**Element Code:**	PDMAL110E0
Occurrence Number:	19	**Occurrence Last Updated:**	2001-05-01

Scientific Name: *Sidalcea malachroides* **Common Name:** maple-leaved checkerbloom

Listing Status: **Federal:** None **Rare Plant Rank:** 4.2

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G3

State: S3

General Habitat:

BROADLEAFED UPLAND FOREST, COASTAL PRAIRIE, COASTAL SCRUB, NORTH COAST CONIFEROUS FOREST, RIPARIAN FOREST.

Micro Habitat:

WOODLANDS AND CLEARINGS NEAR COAST; OFTEN IN DISTURBED AREAS. 4-765 M.

Last Date Observed:	1918-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1918-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

HOLMES FLAT, ALONG EEL RIVER FROM SOUTH FORK TO SCOTIA.

Detailed Location:

DIRECTIONS ON COLLECTION LABEL ARE NOT CLEAR IF PLANT IS FOUND ALL ALONG THE RIVER BETWEEN THE SOUTH FORK EEL RIVER AND SCOTIA OR ONLY AT HOLMES FLAT BETWEEN THE SOUTH FORK AND SCOTIA. SITE MAPPED AT HOLMES FLAT.

Ecological:

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS COLLECTION BY TRACY CIRCA 1918.

PLSS:	T01N, R02E, Sec. 33 (H)	**Accuracy:**	nonspecific area	**Area (acres):**	493
UTM:	Zone-10 N4474776 E419574	**Latitude/Longitude:**	40.41973 / -123.94802	**Elevation (feet):**	150

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

TRA18S0002 TRACY, J. - TRACY #4964 UC, JEPS 1918-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	45240	**EO Index:**	45240
Key Quad:	Redcrest (4012348)	**Element Code:**	PDMAL110E0
Occurrence Number:	55	**Occurrence Last Updated:**	2001-10-29

Scientific Name: *Sidalcea malachroides* **Common Name:** maple-leaved checkerbloom

Listing Status: **Federal:** None **Rare Plant Rank:** 4.2

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G3

State: S3

General Habitat:

BROADLEAFED UPLAND FOREST, COASTAL PRAIRIE, COASTAL SCRUB, NORTH COAST CONIFEROUS FOREST, RIPARIAN FOREST.

Micro Habitat:

WOODLANDS AND CLEARINGS NEAR COAST; OFTEN IN DISTURBED AREAS. 4-765 M.

Last Date Observed:	2001-05-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-05-24	**Occurrence Rank:**	Fair
Owner/Manager:	PVT-PACIFIC LUMBER CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UNNAMED RIDGE APPROXIMATELY 2.3 AIR MILES NNE OF HOLMES, SOUTHWEST OF THE CHALK MOUNTAINS.

Detailed Location:

LOCATED ALONG RIDGELINE ROAD BETWEEN ROOT CREEK DRAINAGE AT THE HEADWATERS OF BRIDGE CREEK. MAPPED PRIMARILY NW 1/4 OF THE NE 1/4 OF SECTION 26 AND THE SW 1/4 OF THE SE 1/4 OF SECTION 23.

Ecological:

DRY OPENING CLEAR CUT OF REDWOOD FOREST, CLAY LOAM SOILS. ASSOCIATES: CEANOTHUS THYRSIFLORUS, RUBUS LEUCODERMIS, GAULTHERIA, LITHOCARPUS DENSIFLORUS, ANAPHALIS MARGARITACEA, WHIPPLEA MODESTA, PTERIDIUM AQUILINUM, ET AL.

Threats:

TIMBER HARVESTING ACTIVITIES, BRUSHING ROADSIDES, ROAD MAINTENANCE; ROADSIDE OCCURRENCE.

General:

77 INDIVIDUALS OBSERVED IN 2000, 26 INDIVIDUALS OBSERVED IN 2001.

PLSS:	T01N, R02E, Sec. 26, NE (H)	**Accuracy:**	specific area	**Area (acres):**	22
UTM:	Zone-10 N4477607 E422361	**Latitude/Longitude:**	40.44549 / -123.91551	**Elevation (feet):**	1,640

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

GED01F0002	GEDIK, T. & L. LARSEN - FIELD SURVEY FORM FOR SIDALCEA MALACHROIDES 2001-05-24
LOY00F0007	LOYA, D. - FIELD SURVEY FORM FOR SIDALCEA MALACHROIDES 2000-05-31

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	45242	**EO Index:**	45242
Key Quad:	Redcrest (4012348)	**Element Code:**	PDMAL110E0
Occurrence Number:	57	**Occurrence Last Updated:**	2001-04-25

Scientific Name: *Sidalcea malachroides* **Common Name:** maple-leaved checkerbloom

Listing Status: **Federal:** None **Rare Plant Rank:** 4.2

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G3

State: S3

General Habitat:

BROADLEAFED UPLAND FOREST, COASTAL PRAIRIE, COASTAL SCRUB, NORTH COAST CONIFEROUS FOREST, RIPARIAN FOREST.

Micro Habitat:

WOODLANDS AND CLEARINGS NEAR COAST; OFTEN IN DISTURBED AREAS. 4-765 M.

Last Date Observed:	1999-05-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1999-05-27	**Occurrence Rank:**	Poor
Owner/Manager:	PVT-SCOTIA PACIFIC CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SOUTHERN TOESLOPE OF SHIVELY CREEK, APPROXIMATELY 0.5 AIR MILE EAST OF SHIVELY.

Detailed Location:

LOCATED ALONG OLD SKID ROADS AND ADJACENT CUT BANK. THREE COLONIES MAPPED AS ONE POLYGON BY CNDDB IN THE NE 1/4 OF THE NW 1/4 OF SECTION 33.

Ecological:

2ND GROWTH REDWOOD FOREST. SPECIES INCLUDE: SEQUOIA SEMPERVIRENS, LITHOCARPUS DENSIFLORUS, ARBUTUS MENZIESII, CORTADERIA, RUBUS URSINUS, VACCINIUM OVATUM, CEANOTHUS THYRSIFLORUS, WHIPPLEA MODESTA, RIBES SANGUINEUM, JUNCUS EFFUSUS, ET AL.

Threats:

LOGGING ACTIVITIES.

General:

5 INDIVIDUALS OBSERVED IN 1999. MITIGATION IN LOGGING AREA TO INCLUDE 25 FOOT SETBACK WHERE POSSIBLE.

PLSS:	T01N, R02E, Sec. 33, NW (H)	**Accuracy:**	specific area	**Area (acres):**	5
UTM:	Zone-10 N4476019 E418520	**Latitude/Longitude:**	40.43082 / -123.96060	**Elevation (feet):**	400

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

IMP99F0002 IMPER, D. - FIELD SURVEY FORM FOR SIDALCEA MALACHROIDES 1999-05-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	45246	**EO Index:**	45246
Key Quad:	Redcrest (4012348)	**Element Code:**	PDMAL110E0
Occurrence Number:	61	**Occurrence Last Updated:**	2007-10-15

Scientific Name: *Sidalcea malachroides* **Common Name:** maple-leaved checkerbloom

Listing Status: **Federal:** None **Rare Plant Rank:** 4.2

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G3

State: S3

General Habitat:

BROADLEAFED UPLAND FOREST, COASTAL PRAIRIE, COASTAL SCRUB, NORTH COAST CONIFEROUS FOREST, RIPARIAN FOREST.

Micro Habitat:

WOODLANDS AND CLEARINGS NEAR COAST; OFTEN IN DISTURBED AREAS. 4-765 M.

Last Date Observed:	2000-06-20	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2000-06-20	**Occurrence Rank:**	Good
Owner/Manager:	PVT-PACIFIC LUMBER CO, SCOPAC	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EAST OF EEL RIVER, FROM ABOUT 0.16 TO 1.2 AIR MI S OF LARABEE.

Detailed Location:

ACCESSIBLE VIA HWY 101, EXIT SHIVELY RD, EAST TO "H" ROAD", SOUTH ON E03 TO RAILROAD TRACKS. ALSO ACCESSIBLE VIA SEASONAL BRIDGE AT HOLMES FLAT EXIT IN SUMMER. 26 COLONIES MAPPED AS 8 POLYGONS BY CNDDB PRIMARILY IN W1/2 SEC 11.

Ecological:

GRASSY OPENING IN REDWOOD FOREST. DOMINANTS INCLUDE SEQUOIA SEMPERVIRENS, LITHOCARPUS DENSIFLORUS, CEANOTHUS THYRSIFLORUS, HOLCUS LANATUS, JUNCUS, RUBUS URSINUS, TOXICODENDRON DIVERSILOBUM, ET AL. SILTY CLAY SOIL.

Threats:

ROAD WIDENING, LOGGING ACTIVITIES.

General:

1729 INDIVIDUALS OBSERVED IN 2000. INCLUDES FORMER OCCURRENCE #62.

PLSS:	T01S, R02E, Sec. 11, W (H)	**Accuracy:**	specific area	**Area (acres):**	55
UTM:	Zone-10 N4472461 E421333	**Latitude/Longitude:**	40.39904 / -123.92700	**Elevation (feet):**	350

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

GED00F0002 GEDIK, T. ET AL. - FIELD SURVEY FORM FOR SIDALCEA MALACHROIDES 2000-06-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 45297
EO Index: 45297
Key Quad: Redcrest (4012348)
Element Code: PDMAL110E0
Occurrence Number: 92
Occurrence Last Updated: 2007-09-19

Scientific Name: *Sidalcea malachroides*
Common Name: maple-leaved checkerbloom

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 4.2
Other Lists:

CNDDB Element Ranks: **Global:** G3
State: S3

General Habitat:
BROADLEAFED UPLAND FOREST, COASTAL PRAIRIE, COASTAL SCRUB, NORTH COAST CONIFEROUS FOREST, RIPARIAN FOREST.

Micro Habitat:
WOODLANDS AND CLEARINGS NEAR COAST; OFTEN IN DISTURBED AREAS. 4-765 M.

Last Date Observed: 1899-06-13
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1899-06-13
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
ENGLEWOOD PRAIRIE.

Detailed Location:
MAPPED AROUND OPEN AREAS NEAR ENGLEWOOD; VAGUE LOCATION DATA; NEEDS FIELDWORK.

Ecological:

Threats:

General:
ONLY INFORMATION FOR THIS SITE IS 1899 COLLECTION BY DAVY. INCLUDES FORMER OCCURRENCE #33.

PLSS: T01S, R02E, Sec. 10, NW (H)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-10 N4472466 E420048
Latitude/Longitude: 40.39897 / -123.94214
Elevation (feet):

County Summary:
Humboldt

Quad Summary:
Redcrest (4012348)

Sources:
DAV99S0007 DAVY - DAVY #5482 W, UC, JEPS (NOTE: COLLECTION # SAME AS DAV99S0006, BUT LOCATION IS DIFFERENT) 1899-06-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	46313	**EO Index:**	46313
Key Quad:	Redcrest (4012348)	**Element Code:**	PDMAL110E0
Occurrence Number:	99	**Occurrence Last Updated:**	2001-10-29

Scientific Name: *Sidalcea malachroides* **Common Name:** maple-leaved checkerbloom

Listing Status: **Federal:** None **Rare Plant Rank:** 4.2

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G3

State: S3

General Habitat:

BROADLEAFED UPLAND FOREST, COASTAL PRAIRIE, COASTAL SCRUB, NORTH COAST CONIFEROUS FOREST, RIPARIAN FOREST.

Micro Habitat:

WOODLANDS AND CLEARINGS NEAR COAST; OFTEN IN DISTURBED AREAS. 4-765 M.

Last Date Observed:	2001-05-31	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-05-31	**Occurrence Rank:**	Poor
Owner/Manager:	PVT-SCOTIA PACIFIC CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.8 AIR MILE EAST OF SHIVELY, SLOPE BELOW 700' RIDGE LINE.

Detailed Location:

MAPPED IN THE NW 1/4 OF THE NE 1/4 OF SECTION 33.

Ecological:

LOCATED IN FOREST OPENING. SEQUOIA SEMPERVIRENS, PSEUDOTSUGA MENZIESII, ARBUTUS MENZIESII DOMINATE W/ TOXICODENDRON DIVERSILOBUM, JUNCUS PATENS, POLYSTICHUM MUNITUM & VACCINIUM OVATUM. ASSOCIATES: FRAGARIA VESCA, SATUREJA DOUGLASII, ET AL.

Threats:

TIMBER HARVEST ACTIVITIES, EQUIPMENT TRAFFIC.

General:

2 INDIVIDUALS OBSERVED IN 2001.

PLSS:	T01N, R02E, Sec. 33, NE (H)	**Accuracy:**	specific area	**Area (acres):**	1
UTM:	Zone-10 N4475851 E419108	**Latitude/Longitude:**	40.42937 / -123.95364	**Elevation (feet):**	590

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

GED01F0001 GEDIK, T. - FIELD SURVEY FORM FOR SIDALCEA MALACHROIDES 2001-05-31

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	75862	**EO Index:**	76884
Key Quad:	Redcrest (4012348)	**Element Code:**	PDPOR05070
Occurrence Number:	82	**Occurrence Last Updated:**	2017-07-25

Scientific Name: *Montia howellii* **Common Name:** Howell's montia

Listing Status: **Federal:** None **Rare Plant Rank:** 2B.2

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

MEADOWS AND SEEPS, NORTH COAST CONIFEROUS FOREST, VERNAL POOLS.

Micro Habitat:

VERNALLY WET SITES; OFTEN ON COMPACTED SOIL. 10-1215 M.

Last Date Observed:	2013-03-14	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2013-03-14	**Occurrence Rank:**	Fair
Owner/Manager:	CALTRANS	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ON HIGHWAY 254 (AVENUE OF THE GIANTS) AT POST MILE 40.13, JUST NORTH OF REDCREST.

Detailed Location:

MAPPED BY CNDDB IN THE SE 1/4 OF THE SE 1/4 OF SECTION 4. LOCATED IN A GRAVEL PULLOUT ON THE WEST SIDE OF THE HWY. POPULATION IS BETWEEN THE ROAD AND A SIGN READING "CHARLES AND ELOISE SHIELDS FAMILY GROVE". POPULATION SIZE IS 15X6 FEET.

Ecological:

REDWOOD FOREST WITH DOUGLAS-FIR AND CALIFORNIA BAY PRESENT. ASSOCIATED WITH MONTIA FONTANA, HYPOCHAERIS RADICATA, AND TRIFOLIUM SP. CANOPY IS OPEN OVER THE PULLOUT BUT SURROUNDING COVER IS 70%. SLOPE 0% AND SW ASPECT.

Threats:

CLOSURE OR DISCONTINUED USE OF THE PULLOUT WOULD NO LONGER DISTURB THE HABITAT WHICH COULD BE DETRIMENTAL.

General:

67 PLANTS OBSERVED IN 2008. 45 PLANTS IN 2013. HABITAT IS CREATED BY OCCASIONAL USE OF PULLOUT BY VEHICLES CREATING DISTURBED AREA WITH SEASONAL PONDING OF WATER. POPULATION EXTENT LIMITED BY LITTER FALL FROM SURROUNDING CANOPY.

PLSS:	T01S, R02E, Sec. 04, SE (H)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-10 N4473093 E419190	**Latitude/Longitude:**	40.40453 / -123.95232	**Elevation (feet):**	280

County Summary:	**Quad Summary:**
Humboldt	Redcrest (4012348)

Sources:

BAR17D0001	BARRETT, J. (CALIFORNIA DEPARTMENT OF PARKS AND RECREATION) - NORTH COAST REDWOODS DISTRICT OF CALIFORNIA STATE PARKS RARE PLANT DATA 2017-02-02
MCI08F0001	MCINTOSH, J. - FIELD SURVEY FORM FOR MONTIA HOWELLII 2008-02-25

Data Version Date:
06/26/2019

Report Generation Date:
7/10/2019

Report #1 - Spotted Owl Sites Found

Known Spotted Owl sites having observations within the search area.

Meridian, Township, Range, Section (MTRS) searched:

H_01N_02E Sections(26,27,28,33,34,35);

H_01S_02E Sections(02,03,04);

Masterowl	*Subspecies*	*LatDD NAD83*	*LonDD NAD83*	*MTRS*	*AC Coordinate Sourc*
HUM0229	NORTHERN	40.423807	-123.915766	H 01N 02E 35	Contributor
HUM0521	NORTHERN	40.448802	-123.962347	H 01N 02E 21	Contributor
HUM0522	NORTHERN	40.437977	-123.942266	H 01N 02E 27	Contributor
HUM0614	NORTHERN	40.432121	-123.926588	H 01N 02E 26	Contributor
HUM0616	NORTHERN	40.445176	-123.951506	H 01N 02E 28	Contributor
HUM0810	NORTHERN	40.445313	-123.934197	H 01N 02E 27	Contributor
HUM0942	NORTHERN	40.406310	-123.969519	H 01S 02E 05	Contributor
HUM1082	NORTHERN	40.438385	-123.919572	H 01N 02E 26	Contributor
HUM1106	NORTHERN	40.427656	-123.951987	H 01N 02E 33	Contributor
HUM1117	NORTHERN	40.404110	-123.921208	H 01S 02E 02	Contributor

Data Version Date:
06/26/2019

Report Generation Date:
7/10/2019

Report #2 - Observations Reported

List of observations reported by site.

Meridian, Township, Range, Section (MTRS) searched:

H_01N_02E Sections(26,27,28,33,34,35);

H_01S_02E Sections(02,03,04);

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD83*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
Masterowl: HUM0229 Subspecies: NORTHERN											
POS	1990-07-11		2	UMUF	Y		2	40.426774	-123.912520	H 01N 02E 35	Contributor
POS	1992		2	UMUF	Y			40.428579	-123.913205	H 01N 02E 35	Contributor
POS	1994-05-26		2	AMAF	Y			40.427682	-123.913947	H 01N 02E 35	Quarter-section centroid
POS	1994-09-02		1	SM				40.424487	-123.914647	H 01N 02E 35	Activity center
POS	1995-07-05		2	UMUF	Y		1	40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid
POS	1996-03-26		2	UMUF	Y			40.427682	-123.913947	H 01N 02E 35	Quarter-section centroid
POS	1997-05-06		2	UMUF	Y	Y		40.422968	-123.915298	H 01N 02E 35	Contributor
POS	1998-05-12		2	UMUF	Y	N		40.427682	-123.913947	H 01N 02E 35	Quarter-section centroid
POS	1999		2	UMUF	Y		2	40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid
POS	2000		2	UMUF	Y		2	40.427682	-123.913947	H 01N 02E 35	Quarter-section centroid
POS	2000-08-07		1	AF				40.424487	-123.914647	H 01N 02E 35	Activity center
POS	2001		2	UMUF	Y		1	40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid
POS	2001-08-27		0				1	40.424487	-123.914647	H 01N 02E 35	Activity center
POS	2002		2	UMUF	Y	Y	2	40.424487	-123.914647	H 01N 02E 35	Contributor
POS	2003-03-06	1906	1	UU				40.423850	-123.918905	H 01N 02E 35	Section centroid
POS	2003-03-07	0750	1	UM				40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid

Type	Date	Time	#Adults	Age/Sex	Pair	Nest	#Young	Latitude DD NAD83	Longitude DD NAD83	MTRS	Coordinate Source
POS	2003-03-17	2232	1	UM				40.423850	-123.918905	H 01N 02E 35	Section centroid
POS	2003-03-18	1035	2	UMUF	Y			40.425858	-123.914394	H 01N 02E 35	Contributor
POS	2003-03-24	2259	1	UU				40.423850	-123.918905	H 01N 02E 35	Section centroid
POS	2003-03-25	1116	2	UMUF	Y			40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid
POS	2003-05-30	0800	1	UF	Y	N	0	40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid
NEG	2003-07-01	0934	0					40.424487	-123.914647	H 01N 02E 35	Activity center
POS	2003-08-14	0957	1	UF	Y	N	0	40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid
POS	2005		2	UMUF	Y			40.423966	-123.914392	H 01N 02E 35	Contributor
NEG	2005-04-18	0935	0					40.424487	-123.914647	H 01N 02E 35	Activity center
POS	2005-04-27	0720	2	UMUF	Y			40.427682	-123.913947	H 01N 02E 35	Quarter-section centroid
POS	2005-06-19	1736	2	UMUF	Y			40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid
NEG	2006		0					40.423957	-123.914404	H 01N 02E 35	Contributor
NEG	2006-03-30	1630	0					40.424487	-123.914647	H 01N 02E 35	Activity center
NEG	2006-05-11	1645	0					40.424487	-123.914647	H 01N 02E 35	Activity center
NEG	2006-05-19	1015	0					40.424487	-123.914647	H 01N 02E 35	Activity center
NEG	2006-06-07	1615	0					40.424487	-123.914647	H 01N 02E 35	Activity center
NEG	2006-06-20	1750	0					40.424487	-123.914647	H 01N 02E 35	Activity center

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
NEG	2006-06-22	0800	0					40.424487	-123.914647	H 01N 02E 3	Activity center
NEG	2006-07-05	1715	0					40.424487	-123.914647	H 01N 02E 3	Activity center
NEG	2006-07-10	0845	0					40.424487	-123.914647	H 01N 02E 3	Activity center
NEG	2006-08-29	0745	0					40.424487	-123.914647	H 01N 02E 3	Activity center
NEG	2008		0					40.423993	-123.914416	H 01N 02E 3	Contributor
POS	2009		2	UMUF	Y			40.423964	-123.914389	H 01N 02E 3	Contributor
POS	2010		2	UMUF	Y		1	40.423965	-123.914389	H 01N 02E 3	Contributor
POS	2011		2	UMUF	Y	N		40.423962	-123.914393	H 01N 02E 3	Contributor
AC	2012		2	UMUF	Y	Y	2	40.423807	-123.915766	H 01N 02E 3	Contributor
POS	2013-03-29	0950-1110	2	UMUF	Y			40.420005	-123.914223	H 01N 02E 3	Quarter-section centroid
POS	2013-05-01	1530-1643	2	UMUF	Y			40.420005	-123.914223	H 01N 02E 3	Quarter-section centroid
NEG	2014-03-26	1630-1730	0					40.423807	-123.915766	H 01N 02E 3	Activity center
POS	2014-04-09	1735-1840	1	UF				40.420005	-123.914223	H 01N 02E 3	Quarter-section centroid
POS	2014-04-22	1526-1608	1	UF				40.420005	-123.914223	H 01N 02E 3	Quarter-section centroid
POS	2014-07-01	1200-1300	1	UF				40.420005	-123.914223	H 01N 02E 3	Quarter-section centroid
NEG	2014-07-21	0855-1207	0					40.423807	-123.915766	H 01N 02E 3	Activity center
POS	2014-08-07	2100-2130	1	UF				40.427682	-123.913950	H 01N 02E 3	Quarter-section centroid

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD83*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
POS	2014-08-25	2038-2120	1	UF				40.420005	-123.914223	H 01N 02E 35	Quarter-section centroid
POS	2015-04-16	1730-1845	1	UF				40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid
POS	2015-05-06	1605-1715	2	UMUF	Y			40.423807	-123.915766	H 01N 02E 35	Activity center
NEG	2016-03-01	0822-1050	0					40.423807	-123.915766	H 01N 02E 3	Activity center
POS	2016-03-28	1220-1258	1	UF				40.420004	-123.914221	H 01N 02E 35	Quarter-section centroid
POS	2016-04-28	1240-1430	2	UMUF	Y			40.427654	-123.923638	H 01N 02E 35	Quarter-section centroid
POS	2016-05-11	1135-1240	2	UMUF	Y	Y		40.423966	-123.914382	H 01N 02E 35	Contributor
POS	2016-06-12	1700-1836	2	UMUF	Y			40.427682	-123.913947	H 01N 02E 35	Quarter-section centroid
POS	2016-06-22	1744-1817	2	UMUF	Y	Y		40.427682	-123.913947	H 01N 02E 35	Quarter-section centroid
POS	2017-03-23	1020-1050	1	UM				40.420005	-123.914223	H 01N 02E 35	Quarter-section centroid
POS	2017-04-04	1351-1408	2	UMUF	Y			40.420005	-123.914223	H 01N 02E 35	Quarter-section centroid
POS	2017-04-28	1413-1439	2	UMUF	Y	N		40.420005	-123.914223	H 01N 02E 35	Quarter-section centroid
POS	2017-05-24	1655-1740	2	UMUF	Y			40.420005	-123.914223	H 01N 02E 35	Quarter-section centroid
Masterowl: HUM0521 Subspecies: NORTHERN											
POS	1991-04-28	2010	1	UU				40.453499	-123.961977	H 01N 02E 21	Half-section centroid
POS	1991-05-07	0825	2	UMUF	Y	Y	1	40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
POS	1991-05-23		2	UMUF	Y	Y	1	40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid

Type	Date	Time	#Adults	Age/Sex	Pair	Nest	#Young	Latitude DD NAD83	Longitude DD NAD83	MTRS	Coordinate Source
POS	1992		2	UMUF	Y	Y		40.450155	-123.962130	H 01N 02E 21	Contributor
POS	1992		2	UMUF	Y	Y		40.450100	-123.961186	H 01N 02E 21	Contributor
POS	1992-03-24	1919	1	UU				40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
POS	1992-04-15		2	UMUF	Y	Y		40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
POS	1992-05-07		1	UU				40.453499	-123.961977	H 01N 02E 21	Half-section centroid
POS	1994-03-30		1	AF				40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
POS	1994-04-19		1	AM				40.442370	-123.962290	H 01N 02E 28	Quarter-section centroid
POS	1994-09-03		1	SF				40.442370	-123.962290	H 01N 02E 28	Quarter-section centroid
POS	1994-09-05		1	SM				40.457212	-123.961865	H 01N 02E 21	Quarter-section centroid
POS	1995-05-12		2	UMUF	Y			40.442370	-123.962290	H 01N 02E 28	Quarter-section centroid
POS	1995-06-02		2	UMUF	Y		0	40.457212	-123.961865	H 01N 02E 21	Quarter-section centroid
POS	1995-08-11		1	AF				40.448802	-123.962347	H 01N 02E 21	Activity center
POS	1996-04-24		2	UMUF	Y			40.442370	-123.962290	H 01N 02E 28	Quarter-section centroid
POS	1997-05-01		2	UMUF	Y	N		40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
POS	1998-05-01		2	UMUF	Y			40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
POS	1999		2	UMUF	Y			40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
POS	2000		2	UMUF	Y			40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid

Type	Date	Time	#Adults	Age/Sex	Pair	Nest	#Young	Latitude DD NAD83	Longitude DD NAD83	MTRS	Coordinate Source
NEG	2000-03-03	0700	0					40.453539	-123.957213	H 01N 02E 21	Section centroid
POS	2000-03-04	0909	1	UU				40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
POS	2000-03-07	0841	1	UM				40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
NEG	2000-03-13	1215	0					40.453539	-123.957213	H 01N 02E 21	Section centroid
POS	2000-04-18	1000	2	UMUF	Y			40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
POS	2000-04-26	0920	1	UU				40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
NEG	2000-06-01	1114	0					40.453539	-123.957213	H 01N 02E 21	Section centroid
AC	2001		2	UMUF	Y	Y	2	40.448802	-123.962347	H 01N 02E 21	Contributor
POS	2001		2	UMUF	Y			40.448802	-123.962347	H 01N 02E 21	Activity center
POS	2001-03-30		2	AMAF	Y			40.448802	-123.962347	H 01N 02E 21	Activity center
POS	2002		2	UMUF	Y			40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
NEG	2003-03-06	0959	0					40.448802	-123.962347	H 01N 02E 21	Activity center
POS	2003-03-26	2229	1	UF				40.453539	-123.957213	H 01N 02E 21	Section centroid
POS	2003-03-26	0830	1	UF				40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid
NEG	2003-03-27	0815	0					40.448802	-123.962347	H 01N 02E 21	Activity center
POS	2003-06-10	0610	2	UMUF	Y			40.450701	-123.963647	H 01N 02E 21	Contributor
POS	2003-06-19	1005	2	UMUF	Y			40.449777	-123.962089	H 01N 02E 21	Quarter-section centroid

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
POS	2003-07-22	2057	1	UU				40.453539	-123.957213	H 01N 02E 2	Section centroid
NEG	2003-07-24	0100	0					40.448802	-123.962347	H 01N 02E 2	Activity center
POS	2003-07-28	2159	1	UM				40.453539	-123.957213	H 01N 02E 2	Section centroid
POS	2003-08-10	2023	1	UF				40.453539	-123.957213	H 01N 02E 2	Section centroid
POS	2005		2	UMUF	Y			40.448789	-123.963950	H 01N 02E 2	Contributor
POS	2005-03-08	0911	2	UMUF	Y			40.449777	-123.962089	H 01N 02E 2	Quarter-section centroid
POS	2005-04-20	1130	1	UF				40.449777	-123.962089	H 01N 02E 2	Quarter-section centroid
NEG	2005-07-07	0945	0					40.448802	-123.962347	H 01N 02E 2	Activity center
NEG	2005-08-07	1745	0					40.448802	-123.962347	H 01N 02E 2	Activity center
POS	2006		1	UM				40.448780	-123.963962	H 01N 02E 2	Contributor
NEG	2006-03-21	1615	0					40.448802	-123.962347	H 01N 02E 2	Activity center
NEG	2006-05-02	1650	0					40.448802	-123.962347	H 01N 02E 2	Activity center
NEG	2006-05-25	1730	0					40.448802	-123.962347	H 01N 02E 2	Activity center
POS	2006-06-29	1210	1	UM				40.449777	-123.962089	H 01N 02E 2	Quarter-section centroid
POS	2006-06-29	1930	1	UM				40.449777	-123.962089	H 01N 02E 2	Quarter-section centroid
NEG	2006-08-10	0920	0					40.448802	-123.962347	H 01N 02E 2	Activity center
POS	2008		1	UF				40.448816	-123.963986	H 01N 02E 2	Contributor

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
POS	2009		2	UMUF	Y			40.448788	-123.963946	H 01N 02E 2	Contributor
NEG	2010		0					40.448788	-123.963946	H 01N 02E 2	Contributor
NEG	2011		0					40.448784	-123.963951	H 01N 02E 2	Contributor
POS	2012		1	UF				40.448788	-123.963946	H 01N 02E 2	Contributor
NEG	2013		0					40.448788	-123.963946	H 01N 02E 2	Activity center
NEG	2014-07-10	1515-1700	0					40.448788	-123.963947	H 01N 02E 2	Activity center
NEG	2015-05-20	1714-1918	0					40.448802	-123.962347	H 01N 02E 2	Activity center
NEG	2015-06-16	1833-2030	0					40.448802	-123.962347	H 01N 02E 2	Activity center
NEG	2015-07-20	1720-1837	0					40.448802	-123.962347	H 01N 02E 2	Activity center
NEG	2016-07-27	1615-1730	0					40.448802	-123.962347	H 01N 02E 2	Activity center
NEG	2017-07-07	1000-1116	0					40.448788	-123.963947	H 01N 02E 2	Activity center
Masterowl: HUM0522 Subspecies: NORTHERN											
POS	1991-05-07		2	UMUF	Y			40.426369	-123.958184	H 01N 02E 33	Contributor
NEG	1992		0					40.427642	-123.957766	H 01N 02E 33	Half-section centroid
POS	1992		2	UMUF	Y	Y		40.435971	-123.956151	H 01N 02E 28	Contributor
POS	1992-05-20		2	UMUF	Y	Y	1	40.435016	-123.952848	H 01N 02E 28	Quarter-section centroid
POS	1994-05-17		2	AMAF	Y			40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid

Type	Date	Time	#Adults	Age/Sex	Pair	Nest	#Young	Latitude DD NAD83	Longitude DD NAD83	MTRS	Coordinate Source
POS	1995-05-02		2	UMUF	Y		0	40.435042	-123.943109	H 01N 02E 27	Quarter-section centroid
POS	1995-07-05		1	AM				40.437977	-123.942266	H 01N 02E 27	Activity center
POS	1995-07-10		2	UMUF	Y			40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	1996-06-10		1	UF				40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	1997-04-13		2	UMUF	Y		2	40.442466	-123.943072	H 01N 02E 27	Quarter-section centroid
POS	1998-04-14		1	UF				40.442466	-123.943072	H 01N 02E 27	Quarter-section centroid
POS	1999		2	UMUF	Y			40.442466	-123.943072	H 01N 02E 27	Quarter-section centroid
NEG	1999-04-12	2000	0					40.423939	-123.957784	H 01N 02E 33	Section centroid
NEG	1999-06-15	2234	0					40.423939	-123.957784	H 01N 02E 33	Section centroid
NEG	1999-06-25	0252	0					40.423939	-123.957784	H 01N 02E 33	Section centroid
NEG	1999-07-15	2050	0					40.423939	-123.957784	H 01N 02E 33	Section centroid
POS	2000		2	UMUF	Y	Y	2	40.435042	-123.943109	H 01N 02E 27	Quarter-section centroid
POS	2000-03-19	2229	1	UM				40.427628	-123.952897	H 01N 02E 33	Quarter-section centroid
POS	2000-03-20	1059	1	UU				40.442536	-123.933274	H 01N 02E 27	Quarter-section centroid
POS	2000-03-21	0955	2	UMUF	Y			40.435146	-123.923516	H 01N 02E 26	Quarter-section centroid
NEG	2000-03-28	0830	0					40.438776	-123.938174	H 01N 02E 27	Section centroid
POS	2000-04-06	0839	1	UU				40.442466	-123.943072	H 01N 02E 27	Quarter-section centroid

Type	Date	Time	#Adults	Age/Sex	Pair	Nest	#Young	Latitude DD NAD83	Longitude DD NAD83	MTRS	Coordinate Source
NEG	2000-04-10	2136	0					40.423939	-123.957784	H 01N 02E 33	Section centroid
POS	2000-04-19	1320	2	UMUF	Y			40.442536	-123.933274	H 01N 02E 27	Quarter-section centroid
POS	2000-04-21	1230	1	UM				40.442466	-123.943072	H 01N 02E 27	Quarter-section centroid
POS	2000-05-01	0842	2	UMUF	Y			40.435146	-123.923516	H 01N 02E 26	Quarter-section centroid
POS	2000-05-12	0900	2	UMUF	Y	Y		40.435042	-123.943109	H 01N 02E 27	Quarter-section centroid
POS	2000-06-14	0955	2	UMUF	Y	Y	2	40.438283	-123.942306	H 01N 02E 27	Contributor
NEG	2000-06-23	2136	0					40.423939	-123.957784	H 01N 02E 33	Section centroid
AC	2001		2	UMUF	Y	Y	2	40.437977	-123.942266	H 01N 02E 27	Contributor
POS	2001		2	UMUF	Y			40.437977	-123.942266	H 01N 02E 27	Activity center
POS	2001-03-23		2	AMAF	Y			40.437977	-123.942266	H 01N 02E 27	Activity center
POS	2001-08-27		0				2	40.437977	-123.942266	H 01N 02E 27	Activity center
POS	2002		2	UMUF	Y			40.435042	-123.943109	H 01N 02E 27	Quarter-section centroid
NEG	2003		0					40.439580	-123.941239	H 01N 02E 27	Contributor
POS	2003-07-22	2206	1	UF				40.438776	-123.938174	H 01N 02E 27	Section centroid
NEG	2005		0					40.437697	-123.941237	H 01N 02E 27	Contributor
NEG	2005-05-13	1045	0					40.437977	-123.942266	H 01N 02E 27	Activity center
NEG	2005-08-25	0640	0					40.437977	-123.942266	H 01N 02E 27	Activity center

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD83*	*Longitude DD NAD83*	*MTRS*	*Coordinate Source*
NEG	2005-08-26	0715	0					40.437977	-123.942266	H 01N 02E 27	Activity center
Masterowl: HUM0614 Subspecies: NORTHERN											
POS	1992		2	UMUF	Y			40.433709	-123.929686	H 01N 02E 27	Contributor
POS	1994-05-12		2	AMAF	Y			40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	1994-07-27		2	SMSF				40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	1994-08-30		0				1	40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	1995-08-22		1	UM				40.434236	-123.926958	H 01N 02E 26	Activity center
POS	1995-08-23		2	UMUF	Y			40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	1996-05-27		1	UF				40.449885	-123.923529	H 01N 02E 23	Quarter-section centroid
POS	1996-06-28		2	UMUF	Y	Y	2	40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
NEG	1997		0					40.449885	-123.923529	H 01N 02E 23	Quarter-section centroid
POS	1997-05-01		2	UMUF	Y	N		40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	1998-05-04		2	UMUF	Y	Y	1	40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	1999		2	UMUF	Y		2	40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	2000		2	UMUF	Y			40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	2000-03-21	0955	2	UMUF	Y			40.435146	-123.923516	H 01N 02E 26	Quarter-section centroid
NEG	2000-03-28	1131	0					40.435095	-123.933266	H 01N 02E 27	Activity center

Type	Date	Time	#Adults	Age/Sex	Pair	Nest	#Young	Latitude DD NAD83	Longitude DD NAD83	MTRS	Coordinate Source
NEG	2000-04-10	0815	0					40.435095	-123.933266	H 01N 02E 27	Activity center
POS	2000-04-19	1320	2	UMUF	Y			40.442536	-123.933274	H 01N 02E 27	Quarter-section centroid
POS	2000-05-01	0842	2	UMUF	Y			40.435146	-123.923516	H 01N 02E 26	Quarter-section centroid
POS	2000-06-03	1609	2	UMUF	Y			40.435095	-123.933266	H 01N 02E 27	Activity center
NEG	2000-07-07	0800	0					40.435095	-123.933266	H 01N 02E 27	Activity center
NEG	2000-07-31	0645	0					40.435095	-123.933266	H 01N 02E 27	Activity center
POS	2001		2	UMUF	Y	Y	2	40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	2001-03-13	1711	2	UMUF	Y			40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	2001-04-12	1245	2	UMUF	Y			40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	2001-04-26	1202	2	UMUF	Y	Y		40.435095	-123.933266	H 01N 02E 27	Quarter-section centroid
POS	2001-06-07	1600	2	UMUF	Y	Y	2	40.432277	-123.933026	H 01N 02E 27	Contributor
POS	2002		2	UMUF	Y			40.435146	-123.923516	H 01N 02E 26	Quarter-section centroid
NEG	2003-03-12	0835	0					40.434236	-123.926958	H 01N 02E 26	Activity center
POS	2003-04-18	0800	1	UM				40.435146	-123.923516	H 01N 02E 26	Quarter-section centroid
POS	2003-05-19	0730	1	UF				40.436188	-123.929520	H 01N 02E 27	Contributor
NEG	2003-06-02	0735	0					40.434236	-123.926958	H 01N 02E 26	Activity center
POS	2003-07-02	2242	1	UM				40.432277	-123.933026	H 01N 02E 27	Activity center

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
POS	2003-07-03	0753	1	UM				40.435146	-123.923516	H 01N 02E 2	Quarter-section centroid
POS	2003-07-28	2149	1	UM				40.432277	-123.933026	H 01N 02E 2	Activity center
NEG	2003-07-29	0550	0					40.434236	-123.926958	H 01N 02E 2	Activity center
POS	2005		2	UMUF	Y			40.431299	-123.926988	H 01N 02E 3	Contributor
POS	2005-03-09	0715	2	UMUF	Y			40.435146	-123.923516	H 01N 02E 2	Quarter-section centroid
POS	2005-04-15	0720	2	UMUF	Y			40.435146	-123.923516	H 01N 02E 2	Quarter-section centroid
POS	2005-05-03	0700	2	UMUF	Y			40.435095	-123.933266	H 01N 02E 2	Quarter-section centroid
NEG	2005-07-07	0618	0					40.434236	-123.926958	H 01N 02E 2	Activity center
POS	2005-07-20	0925	2	UMUF	Y			40.435146	-123.923516	H 01N 02E 2	Quarter-section centroid
POS	2006		2	UMUF	Y			40.431289	-123.927000	H 01N 02E 3	Contributor
POS	2006-03-09	0745	2	UMUF	Y			40.434236	-123.926958	H 01N 02E 2	Contributor
POS	2006-04-25	1630	1	UM	Y			40.435017	-123.962492	H 01N 02E 2	Quarter-section centroid
POS	2006-05-04	1633	1	UM	Y			40.435146	-123.923516	H 01N 02E 2	Quarter-section centroid
POS	2006-05-09	1700	1	UM	Y			40.435017	-123.962492	H 01N 02E 2	Quarter-section centroid
NEG	2006-05-24	1545	0					40.434236	-123.926958	H 01N 02E 2	Activity center
POS	2006-07-07	0921	1	UM	Y			40.435017	-123.962492	H 01N 02E 2	Quarter-section centroid
POS	2008		2	UMUF	Y			40.429611	-123.928486	H 01N 02E 3	Contributor

Type	Date	Time	#Adults	Age/Sex	Pair	Nest	#Young	Latitude DD NAD83	Longitude DD NAD83	MTR	Coordinate Source
POS	2009		2	UMUF	Y			40.429582	-123.928449	H 01N 02E 34	Contributor
POS	2010		2	UMUF	Y		2	40.432119	-123.926591	H 01N 02E 26	Contributor
POS	2011		2	UMUF	Y	Y	0	40.431640	-123.926487	H 01N 02E 26	Contributor
POS	2012		2	UMUF	Y			40.431642	-123.926489	H 01N 02E 26	Contributor
POS	2013		2	UMUF	Y	Y	1	40.432121	-123.926588	H 01N 02E 26	Contributor
POS	2013-03-26	1106-123	2	UMUF	Y			40.427652	-123.933368	H 01N 02E 34	Quarter-section centroid
POS	2013-04-25	1648-190	2	UMUF	Y			40.435146	-123.923522	H 01N 02E 26	Quarter-section centroid
POS	2013-05-03	1045-123	2	UMUF	Y			40.435146	-123.923522	H 01N 02E 26	Quarter-section centroid
POS	2013-06-11	1915-200	2	UMUF	Y			40.435146	-123.923522	H 01N 02E 26	Quarter-section centroid
POS	2013-06-25	1735-184	2	UMUF	Y		1	40.435146	-123.923522	H 01N 02E 26	Quarter-section centroid
POS	2013-07-08	1830-195	2	UMUF	Y		1	40.435146	-123.923522	H 01N 02E 26	Quarter-section centroid
POS	2014-03-21	0945-104	1	UM				40.435146	-123.923522	H 01N 02E 26	Quarter-section centroid
POS	2014-04-10	1607-170	1	UF				40.427654	-123.923638	H 01N 02E 35	Quarter-section centroid
POS	2014-04-22	1520-170	1	UF				40.435146	-123.923522	H 01N 02E 26	Quarter-section centroid
POS	2014-07-02	1820-192	1	UF				40.427654	-123.923638	H 01N 02E 35	Quarter-section centroid
POS	2014-08-05	1930-213	2	UMUF	Y			40.427652	-123.933368	H 01N 02E 34	Quarter-section centroid
POS	2014-08-27	1444-153	2	UMUF	Y			40.427654	-123.923638	H 01N 02E 35	Quarter-section centroid

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
NEG	2015-03-09	1540-172	0					40.432121	-123.926588	H 01N 02E 2	Activity center
POS	2015-03-18	1500-163	1	UF				40.435146	-123.923516	H 01N 02E 2	Quarter-section centroid
POS	2015-04-15	2102-213	1	UF				40.420079	-123.923940	H 01N 02E 3	Quarter-section centroid
POS	2015-04-16	1330-171	1	UF				40.427652	-123.933368	H 01N 02E 3	Quarter-section centroid
POS	2015-05-11	1745-191	1	UF				40.427654	-123.923638	H 01N 02E 3	Quarter-section centroid
NEG	2015-06-17	1944-201	0					40.432121	-123.926588	H 01N 02E 2	Activity center
POS	2015-06-18	1550-180	2	UMUF	Y			40.435146	-123.923516	H 01N 02E 2	Quarter-section centroid
POS	2015-07-15	1733-181	1	UF				40.427652	-123.933368	H 01N 02E 3	Quarter-section centroid
NEG	2015-08-07	1147-131	0					40.432121	-123.926588	H 01N 02E 2	Activity center
NEG	2015-08-14	1110-121	0					40.432121	-123.926588	H 01N 02E 2	Activity center
POS	2015-08-18	1800-191	1	UF				40.435146	-123.923516	H 01N 02E 2	Quarter-section centroid
POS	2016-03-04	1120-124	1	UF				40.427654	-123.923638	H 01N 02E 3	Quarter-section centroid
NEG	2016-04-19	1718-182	0					40.432121	-123.926588	H 01N 02E 2	Activity center
POS	2016-04-28	1030-120	1	UF				40.435095	-123.933266	H 01N 02E 2	Quarter-section centroid
POS	2016-04-28	1422-173	1	UF				40.435095	-123.933266	H 01N 02E 2	Quarter-section centroid
POS	2016-06-02	1725-183	2	UMUF	Y			40.435095	-123.933266	H 01N 02E 2	Quarter-section centroid
POS	2017-03-09	0930-133	1	UM				40.435146	-123.923522	H 01N 02E 2	Quarter-section centroid

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
POS	2017-04-03	1715-1855	1	UM				40.435146	-123.923522	H 01N 02E 26	Quarter-section centroid
NEG	2017-04-18	1225-1420	0					40.432121	-123.926588	H 01N 02E 26	Activity center
NEG	2017-05-09	1632-1929	0					40.432121	-123.926588	H 01N 02E 2	Activity center
AC	2017-05-18	1645-1930	2	UMUF	Y	Y		40.432121	-123.926588	H 01N 02E 2	Contributor
POS	2017-06-13	1805-1900	2	UMUF	Y	Y	1	40.432121	-123.926588	H 01N 02E 2	Contributor
POS	2017-06-13	1110-1426	2	UMUF	Y	Y		40.432121	-123.926588	H 01N 02E 2	Contributor
POS	2017-06-21	1648-1759	2	UMUF	Y		1	40.435146	-123.923522	H 01N 02E 26	Quarter-section centroid
POS	2017-06-27	1610-1717	2	UMUF	Y	Y	1	40.432121	-123.926588	H 01N 02E 26	Contributor
POS	2017-08-30	1835-1940	2	UMUF	Y	Y	1	40.432121	-123.926588	H 01N 02E 2	Contributor
Masterowl: HUM0616 Subspecies: NORTHERN											
POS	1992		1	UF				40.451570	-123.931312	H 01N 02E 22	Contributor
POS	1992		2	UMUF	Y			40.446097	-123.945222	H 01N 02E 27	Contributor
POS	1994-06-21		2	AMAF	Y		2	40.449890	-123.942987	H 01N 02E 22	Quarter-section centroid
POS	1994-06-29		1	SF				40.439251	-123.949488	H 01N 02E 28	Activity center
POS	1994-07-27		1	SM				40.435016	-123.952848	H 01N 02E 28	Quarter-section centroid
POS	1995-05-10		2	UMUF	Y		0	40.449890	-123.942987	H 01N 02E 22	Quarter-section centroid
POS	1996-04-05		2	UMUF	Y	Y		40.450985	-123.948934	H 01N 02E 21	Contributor

Type	Date	Time	#Adults	Age/Sex	Pair	Nest	#Young	Latitude DD NAD83	Longitude DD NAD83	MTRS	Coordinate Source
POS	1997-05-09		2	UMUF	Y	N		40.449847	-123.952586	H 01N 02E 21	Quarter-section centroid
POS	1998-05-12		2	UMUF	Y	Y		40.447160	-123.953951	H 01N 02E 21	Contributor
POS	1999		2	UMUF	Y			40.449847	-123.952586	H 01N 02E 21	Quarter-section centroid
POS	2000		2	UMUF	Y	Y	2	40.446913	-123.951117	H 01N 02E 21	Contributor
POS	2000-03-14	1124	2	UMUF	Y			40.449847	-123.952586	H 01N 02E 21	Quarter-section centroid
POS	2000-04-26	1215	1	UM				40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	2001		2	UMUF	Y			40.449847	-123.952586	H 01N 02E 21	Quarter-section centroid
POS	2002		2	UMUF	Y			40.449847	-123.952586	H 01N 02E 21	Quarter-section centroid
POS	2003		1	UM				40.448442	-123.952507	H 01N 02E 21	Contributor
POS	2003-03-03	2038	2	UMUF				40.438689	-123.957580	H 01N 02E 28	Section centroid
NEG	2003-03-04	0811	0					40.439251	-123.949488	H 01N 02E 28	Activity center
POS	2003-03-26	2147	1	UM				40.438689	-123.957580	H 01N 02E 28	Section centroid
POS	2003-04-06	1953	1	UM				40.438689	-123.957580	H 01N 02E 28	Section centroid
POS	2003-04-07	1615	1	AM				40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	2003-04-15	0840	1	UU				40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	2003-05-01	2311	1	UU				40.438689	-123.957580	H 01N 02E 28	Section centroid
POS	2003-05-02	0730	1	UM				40.442843	-123.952050	H 01N 02E 28	Contributor

Type	Date	Time	#Adults	Age/Sex	Pair	Nest	#Young	Latitude DD NAD83	Longitude DD NAD83	MTRS	Coordinate Source
NEG	2003-05-19	1030	0					40.439251	-123.949488	H 01N 02E 28	Activity center
POS	2003-06-24	1100	1	UM				40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	2003-07-02	2330	1	UF				40.438689	-123.957580	H 01N 02E 28	Section centroid
POS	2003-07-03	0609	1	UM				40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	2003-07-22	2215	1	UU				40.438689	-123.957580	H 01N 02E 28	Section centroid
NEG	2003-07-23	0800	0					40.439251	-123.949488	H 01N 02E 28	Activity center
POS	2003-07-28	2100	1	UU				40.438689	-123.957580	H 01N 02E 28	Section centroid
NEG	2003-07-29	0915	0					40.439251	-123.949488	H 01N 02E 28	Activity center
POS	2005		2	UMUF	Y	Y	2	40.439559	-123.950318	H 01N 02E 28	Contributor
POS	2005-03-11	0850	1	UF				40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	2005-04-15	0810	2	UMUF	Y			40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	2005-05-03	1145	2	UMUF	Y	Y		40.439703	-123.951487	H 01N 02E 28	Contributor
POS	2005-06-09	1033	2	UMUF	Y	Y		40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	2005-06-23	1000	2	UMUF	Y		2	40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid
POS	2006		1	UF				40.439550	-123.950330	H 01N 02E 28	Contributor
NEG	2006-03-21	1630	0					40.439251	-123.949488	H 01N 02E 28	Activity center
POS	2006-04-10	1702	1	UF				40.442404	-123.952752	H 01N 02E 28	Quarter-section centroid

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
NEG	2006-06-02	0812	0					40.439251	-123.949488	H 01N 02E 2	Activity center
NEG	2006-07-11	1700	0					40.439251	-123.949488	H 01N 02E 2	Activity center
POS	2008		2	UMUF	Y	Y		40.439251	-123.949488	H 01N 02E 2	Contributor
POS	2009		2	UMUF	Y		2	40.445190	-123.951502	H 01N 02E 2	Contributor
POS	2010		2	UMUF	Y		1	40.445282	-123.953203	H 01N 02E 2	Contributor
AC	2011		2	UMUF	Y	Y	1	40.445176	-123.951506	H 01N 02E 2	Contributor
POS	2012		1	UF				40.445179	-123.951502	H 01N 02E 2	Contributor
POS	2013-03-06	1640-1730	1	UM				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2013-04-01	1705-1810	1	UM				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2013-04-09	1720-1840	1	UM				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2013-04-10	0930-1200	1	UF				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2013-04-25	1630-1910	2	UMUF	Y			40.445179	-123.951502	H 01N 02E 2	Contributor
POS	2013-05-20	1800-1930	2	UMUF	Y			40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2013-05-22	1700-1835	2	UMUF	Y			40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2013-05-22	1700-1825	1	UM				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2013-07-30	0945-1328	2	UMUF	Y			40.449845	-123.952591	H 01N 02E 2	Quarter-section centroid
POS	2014-03-20	1745-1915	1	UF				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
NEG	2014-04-09	1630-180	0					40.445179	-123.951502	H 01N 02E 2	Activity center
POS	2014-04-10	1733-190	1	UF				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2014-04-21	1722-184	1	UF				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2014-04-22	1845-202	1	UF				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2014-06-16	1610-174	2	UMUF	Y			40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2014-07-25	1000-111	2	UMUF	Y			40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2015		1	UF				40.445179	-123.951503	H 01N 02E 2	Activity center
POS	2015-03-18	1700-180	1	UF				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
POS	2015-04-16	1416-192	1	UF				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
NEG	2015-05-05	1605-170	0					40.445179	-123.951502	H 01N 02E 2	Activity center
NEG	2015-05-18	1630-175	0					40.445179	-123.951502	H 01N 02E 2	Activity center
POS	2015-05-28	1539-162	1	UF				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
NEG	2015-06-18	1900-201	0					40.445179	-123.951502	H 01N 02E 2	Activity center
POS	2015-07-14	1619-170	1	UF				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
NEG	2015-08-07	0930-110	0					40.445179	-123.951502	H 01N 02E 2	Activity center
NEG	2015-08-18	0955-123	0					40.445179	-123.951502	H 01N 02E 2	Activity center
NEG	2016-03-04	0828-105	0					40.445179	-123.951502	H 01N 02E 2	Activity center

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD83*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
NEG	2016-04-28	1900-1945	0					40.445179	-123.951502	H 01N 02E 2	Activity center
NEG	2016-07-06	1550-1725	0					40.445179	-123.951502	H 01N 02E 2	Activity center
POS	2016-08-18	1540-1925	1	UM				40.442407	-123.952747	H 01N 02E 2	Quarter-section centroid
NEG	2016-08-31	0915-1150	0					40.445179	-123.951502	H 01N 02E 2	Activity center
NEG	2017-03-17	0915-1140	0					40.445179	-123.951502	H 01N 02E 2	Activity center
NEG	2017-07-05	1045-1357	0					40.445179	-123.951502	H 01N 02E 2	Activity center
NEG	2017-07-24	1045-1330	0					40.445179	-123.951502	H 01N 02E 2	Activity center
Masterowl: HUM0810 Subspecies: NORTHERN											
POS	1995-06-12		2	UMUF	Y		0	40.449799	-123.913858	H 01N 02E 23	Quarter-section centroid
POS	1995-06-20		1	AM				40.445313	-123.934197	H 01N 02E 27	Activity center
POS	1995-08-23		1	AF				40.445313	-123.934197	H 01N 02E 27	Activity center
POS	1996-07-29		2	UMUF	Y			40.449799	-123.913858	H 01N 02E 23	Quarter-section centroid
POS	1997-04-16		1	UM				40.449799	-123.913858	H 01N 02E 23	Quarter-section centroid
POS	1998		1	UU				40.449799	-123.913858	H 01N 02E 23	Quarter-section centroid
NEG	1999		0					40.449799	-123.913858	H 01N 02E 23	Quarter-section centroid
POS	2000		1	UM				40.457147	-123.923440	H 01N 02E 23	Quarter-section centroid
POS	2001		2	UMUF	Y	Y	2	40.449906	-123.933246	H 01N 02E 22	Quarter-section centroid

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
NEG	2001-03-07	0820	0					40.453482	-123.918649	H 01N 02E 2	Section centroid
POS	2001-03-21	0745	2	UMUF	Y			40.449885	-123.923529	H 01N 02E 2	Quarter-section centroid
POS	2001-03-23	0824	2	UMUF	Y			40.449885	-123.923529	H 01N 02E 2	Quarter-section centroid
POS	2001-04-03	1033	2	UMUF	Y			40.449885	-123.923529	H 01N 02E 2	Quarter-section centroid
POS	2001-04-23	0933	2	UMUF	Y	Y		40.453482	-123.918649	H 01N 02E 2	Section centroid
POS	2001-06-13	0916	2	UMUF	Y	Y	1	40.449885	-123.923529	H 01N 02E 2	Quarter-section centroid
POS	2001-07-23	1022	2	UMUF	Y	Y	2	40.453482	-123.918649	H 01N 02E 2	Section centroid
POS	2001-08-06	0730	2	UMUF	Y	Y	2	40.442536	-123.933274	H 01N 02E 2	Quarter-section centroid
AC	2001-08-16	0750	2	UMUF	Y	Y	2	40.445313	-123.934197	H 01N 02E 2	Contributor
POS	2001-08-17		0				1	40.453482	-123.918649	H 01N 02E 2	Section centroid
NEG	2002		0					40.449906	-123.933246	H 01N 02E 2	Quarter-section centroid
Masterowl: HUM0942 Subspecies: NORTHERN											
POS	1999		1	UU				40.405606	-123.963169	H 01S 02E 04	Quarter-section centroid
NEG	2000		0					40.405606	-123.963169	H 01S 02E 04	Quarter-section centroid
POS	2000		1	UU				40.405541	-123.973102	H 01S 02E 05	Quarter-section centroid
AC	2001		1	UU				40.406310	-123.969519	H 01S 02E 05	Contributor
NEG	2002		0					40.405541	-123.973102	H 01S 02E 05	Quarter-section centroid

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD83*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
POS	2008		1	UU				40.403604	-123.959180	H 01S 02E 0	Contributor
Masterowl: HUM1082 Subspecies: NORTHERN											
AC	2010		2	UMUF	Y		1	40.438385	-123.919572	H 01N 02E 26	Contributor
NEG	2011		0					40.438385	-123.919572	H 01N 02E 26	Activity center
POS	2012		1	UF				40.438385	-123.919572	H 01N 02E 26	Activity center
NEG	2013		0					40.438385	-123.919572	H 01N 02E 26	Activity center
POS	2014-07-21	1742-1845	1	UF				40.435146	-123.923522	H 01N 02E 2	Quarter-section centroid
NEG	2014-08-05	2004-2040	0					40.438385	-123.919572	H 01N 02E 2	Activity center
NEG	2015-04-02	1100-1255	0					40.438385	-123.919572	H 01N 02E 2	Activity center
NEG	2015-05-11	1728-1935	0					40.438385	-123.919572	H 01N 02E 2	Activity center
POS	2015-07-15	1946-2056	1	UU				40.438385	-123.919572	H 01N 02E 2	Activity center
NEG	2017-05-17	1703-1916	0					40.438385	-123.919572	H 01N 02E 2	Activity center
POS	2017-08-25	0845-1100	1	UF				40.435146	-123.923522	H 01N 02E 2	Quarter-section centroid
Masterowl: HUM1106 Subspecies: NORTHERN											
AC	2015-06-19	1106-1330	1	UM				40.427656	-123.951987	H 01N 02E 33	Contributor
POS	2015-07-07	1658-1742	1	UM				40.427633	-123.952892	H 01N 02E 33	Quarter-section centroid
POS	2016-07-18	1645-1735	1	UU				40.427633	-123.952892	H 01N 02E 33	Quarter-section centroid

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD83*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
NEG	2016-08-03	1500-1900	0					40.427656	-123.951987	H 01N 02E 3	Activity center
NEG	2016-08-16	1556-1816	0					40.427656	-123.951987	H 01N 02E 3	Activity center
POS	2017-06-19	1740-1835	1	UU				40.427628	-123.952897	H 01N 02E 3	Quarter-section centroid
NEG	2017-08-06	1630-1730	0					40.427656	-123.951987	H 01N 02E 3	Activity center
NEG	2017-08-09	1630-1840	0					40.427656	-123.951987	H 01N 02E 3	Activity center
NEG	2017-08-30	1545-1745	0					40.427656	-123.951987	H 01N 02E 3	Activity center
Masterowl: HUM1117 Subspecies: NORTHERN											
POS	2011		1	UU		Y		40.402496	-123.921432	H 01S 02E 02	Contributor
POS	2012		2	UMUF	Y	N		40.402496	-123.921432	H 01S 02E 02	Activity center
AC	2013		2	UMUF	Y	Y		40.404110	-123.921208	H 01S 02E 02	Contributor
POS	2014		2	UMUF	Y			40.404110	-123.921208	H 01S 02E 02	Activity center
POS	2015		2	UMUF	Y	N		40.404110	-123.921208	H 01S 02E 02	Activity center
POS	2016-03-07	2051-2101	1	UU				40.408543	-123.923995	H 01S 02E 0	Contributor
NEG	2016-03-07	1800-1920	0					40.404110	-123.921208	H 01S 02E 0	Activity center
NEG	2016-03-07	2012-2022	0					40.402333	-123.926729	H 01S 02E 0	Contributor
NEG	2016-03-07	1958-2008	0					40.401282	-123.921955	H 01S 02E 1	Contributor
NEG	2016-03-07	2024-2034	0					40.405340	-123.927566	H 01S 02E 0	Contributor

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
NEG	2016-03-07	1931-194	0					40.403596	-123.921181	H 01S 02E 0	Contributor
NEG	2016-03-08	0900-113	0					40.408889	-123.919869	H 01S 02E 0	Section centroid
POS	2016-05-25	1920-204	1	UU				40.405214	-123.919911	H 01S 02E 0	Half-section centroid
POS	2016-06-30	1715-181	1	UU				40.405214	-123.919911	H 01S 02E 0	Half-section centroid
POS	2017-04-13	1952-203	2	UMUF	Y			40.401282	-123.921955	H 01S 02E 1	Contributor
NEG	2017-04-13	1730-193	0					40.405214	-123.919911	H 01S 02E 0	Half-section centroid
NEG	2017-04-13	1935-194	0					40.403596	-123.921181	H 01S 02E 0	Contributor
POS	2017-05-26	1830-200	1	UF				40.401282	-123.921955	H 01S 02E 1	Contributor
POS	2017-06-20	1830-200	2	UMUF	Y			40.401282	-123.921955	H 01S 02E 1	Contributor
NEG	2018-04-04	1700-190	0					40.405285	-123.924699	H 01S 02E 0	Quarter-section centroid
NEG	2018-05-18	0059-010	0					40.401282	-123.921955	H 01S 02E 1	Contributor
NEG	2018-05-18	0007-001	0					40.405340	-123.927566	H 01S 02E 0	Contributor
NEG	2018-05-18	0021-003	0					40.402333	-123.926729	H 01S 02E 0	Contributor
NEG	2018-05-18	2338-234	0					40.408543	-123.923995	H 01S 02E 0	Contributor
NEG	2018-05-18	0037-004	0					40.403596	-123.921181	H 01S 02E 0	Contributor
NEG	2018-05-31	2205-221	0					40.405340	-123.927566	H 01S 02E 0	Contributor
NEG	2018-05-31	2218-222	0					40.408543	-123.923995	H 01S 02E 0	Contributor

Type	*Date*	*Time*	*#Adults*	*Age/Sex*	*Pair*	*Nest*	*#Young*	*Latitude DD NAD8*	*Longitude DD NAD83*	*MTR*	*Coordinate Source*
POS	2018-05-31	2119-213	1	UU				40.401282	-123.921955	H 01S 02E 1	Contributor
POS	2018-06-06	1757-182	1	UU				40.403502	-123.921572	H 01S 02E 0	Contributor
Positive Spotted Owl detections not associated with a known Activity Center Subspecies: NORTHERN											
POS	2002		1	UF				40.427645	-123.943136	H 01N 02E 34	Quarter-section centroid
POS	2013-03-26	1013-1100	1	UM				40.427647	-123.943132	H 01N 02E 34	Quarter-section centroid
POS	2015-05-18	2311-2340	1	UU				40.427647	-123.943132	H 01N 02E 34	Quarter-section centroid
POS	2015-07-10	0945-1140	1	UM				40.427652	-123.933368	H 01N 02E 34	Quarter-section centroid
Additional surveys within the search area with no Spotted Owls detected											
NEG	2003		0					40.430829	-123.940504	H 01N 02E 34	Contributor
NEG	2014-07-21	0945-1130	0					40.429509	-123.941076	H 01N 02E 34	Activity center
NEG	2015-05-11	1530-1735	0					40.429509	-123.941076	H 01N 02E 34	Activity center
NEG	2015-05-19	1507-1814	0					40.429509	-123.941076	H 01N 02E 34	Activity center
NEG	2016-07-18	1839-2008	0					40.429509	-123.941076	H 01N 02E 34	Activity center
NEG	2017-07-12	1813-1939	0					40.429509	-123.941076	H 01N 02E 34	Activity center
NEG	2017-08-09	1620-1745	0					40.429509	-123.941076	H 01N 02E 34	Activity center

Appendix C

Biological Reconnaissance, Protocol Level Survey, and Wetland Delineation for APN: 209-331-002, Holmes, Humboldt County

Wetland Delineation Data Forms and Associated Maps

July 2019

Wetland Determination Data Form TP-1
Wetland Determination Data Form TP-2
Wetland Determination Data Form TP-3
Wetland Determination Data Form TP-4
National Cooperative Soil Survey Map
National Wetlands Inventory Map

Pacific Watershed Associates
Georgia Hamer
Greg Davis
Margo Moorhouse

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: 5497 Williamson City/County: Holmes/Humboldt Sampling Date: 6-17-2019

Applicant/Owner: Wyatt Williamson State: CA Sampling Point: TP-1

Investigator(s): Greg Davis Section, Township, Range: Redcrest USGS 7.5-Minute Quadrangle, Section 10, T1N, R2E

Landform (hillslope, terrace, etc.): Toe of slope Local relief (concave, convex, none): Concave Slope (%): 1

Subregion (LRR): LRR-A Lat: 40.415665° Long: -123.945162° Datum: WGS84

Soil Map Unit Name: 110 - Weott, 0 to 2 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation X, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation_____, Soil_____, or Hydrology_____naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** **Yes** X **No** _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	

Remarks:

This wetland is located on the fringe of the alfalfa field and tree line. There was some vegetation clearing on the slope to the south and slash piles now exist in the proximity of this wetland, along with mounded spoils that make the boundary of the wetland difficult to discern in some locations.

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: N/A)			
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: N/A)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: 10 ft x 10 ft)			
1. Alisma lanceolatum	90	X	OBL
2. Mentha pulegium	10		FACW
3. Holcus lanatus	10		FAC
4. Rumex acetosella	5		FACU
5. Ranunculus repens	5		FAC
6.			
7.			
8.			
9.			
10.			
11.			
	120 = Total Cover		
Woody Vine Stratum (Plot size:_____)			
1.			
2.			
	_____= Total Cover		

% Bare Ground in Herb Stratum _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 1 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ 5 - Wetland Non-Vascular Plants[1]
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** _____

Remarks:

There is an old spoil pile east of TP-1, potentially from pond excavation on adjacent parcel or from activities on the hillslope to the south.

SOIL

Sampling Point: TP-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	5GY 3/1	100					SiL	greasy, organic modified
5-17	10YR 4/1	95	10YR 5/6	5	C	M	CL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- _ Sandy Redox (S5)
- _ Stripped Matrix (S6)
- _ Loamy Mucky Mineral (F1) (**except MLRA 1**)
- ☑ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- _ Redox Dark Surface (F6)
- _ Depleted Dark Surface (F7)
- _ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- _ 2 cm Muck (A10)
- _ Red Parent Material (TF2)
- _ Very Shallow Dark Surface (TF12)
- _ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X **No** _____

Remarks:

Clay layer (5-17 in) acts as a restrictive layer for water, 0-5 in layer was inundated in some areas and completely saturated in other areas.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- _ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B**)
- _ Salt Crust (B11)
- _ Aquatic Invertebrates (B13)
- _ Hydrogen Sulfide Odor (C1)
- _ Oxidized Rhizospheres along Living Roots (C3)
- _ Presence of Reduced Iron (C4)
- _ Recent Iron Reduction in Tilled Soils (C6)
- _ Stunted or Stressed Plants (D1) (**LRR A**)
- _ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- _ Water-Stained Leaves (B9) (**MLRA 1, 2, 4A, and 4B**)
- _ Drainage Patterns (B10)
- _ Dry-Season Water Table (C2)
- _ Saturation Visible on Aerial Imagery (C9)
- ✔ ☐ Geomorphic Position (D2)
- _ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)
- _ Raised Ant Mounds (D6) (**LRR A**)
- _ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): _____

Water Table Present? Yes X No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): _____

Wetland Hydrology Present? Yes X **No** _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: 5497 Williamson City/County: Holmes/Humboldt Sampling Date: 6-17-2019

Applicant/Owner: Wyatt Williamson State: CA Sampling Point: TP-1

Investigator(s): Greg Davis Section, Township, Range: Redcrest USGS 7.5-Minute Quadrangle, Section 10, T1N, R2E

Landform (hillslope, terrace, etc.): Toe of slope Local relief (concave, convex, none): Concave Slope (%): 1

Subregion (LRR): LRR-A Lat: 40.415665° Long: -123.945162° Datum: WGS84

Soil Map Unit Name: 110 - Weott, 0 to 2 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation X, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation_____, Soil_____, or Hydrology_____naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	

Remarks:

This wetland is located on the fringe of the alfalfa field and tree line. There was some vegetation clearing on the slope to the south and slash piles now exist in the proximity of this wetland, along with mounded spoils that make the boundary of the wetland difficult to discern in some locations.

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2.			
3.			
4.			
	_____ = Total Cover		
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2.			
3.			
4.			
5.			
	_____ = Total Cover		
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1. Alisma lanceolatum	90	X	OBL
2. Mentha pulegium	10		FACW
3. Holcus lanatus	10		FAC
4. Rumex acetosella	5		FACU
5. Ranunculus repens	5		FAC
6.			
7.			
8.			
9.			
10.			
11.			
	120 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 1 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
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- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
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- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No _____

Remarks:

There is an old spoil pile east of TP-1, potentially from pond excavation on adjacent parcel or from activities on the hillslope to the south.

SOIL

Sampling Point: TP-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
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5-17	10YR 4/1	95	10YR 5/6	5	C	M	CL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ☑ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1) (**except MLRA 1**)
- ☑ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10)
- ___ Red Parent Material (TF2)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X **No** _____

Remarks:

Clay layer (5-17 in) acts as a restrictive layer for water, 0-5 in layer was inundated in some areas and completely saturated in other areas.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B**)
- ___ Salt Crust (B11)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Stunted or Stressed Plants (D1) (**LRR A**)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water-Stained Leaves (B9) (**MLRA 1, 2, 4A, and 4B**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Saturation Visible on Aerial Imagery (C9)
- ✔ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)
- ___ Raised Ant Mounds (D6) (**LRR A**)
- ___ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): _____

Water Table Present? Yes X No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): _____

Wetland Hydrology Present? Yes X **No** _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: 5497 Williamson City/County: Holmes/Humboldt Sampling Date: 6-17-2019

Applicant/Owner: Wyatt Williamson State: CA Sampling Point: TP-1

Investigator(s): Greg Davis Section, Township, Range: Redcrest USGS 7.5-Minute Quadrangle, Section 10, T1N, R2E

Landform (hillslope, terrace, etc.): Toe of slope Local relief (concave, convex, none): Concave Slope (%): 1

Subregion (LRR): LRR-A Lat: 40.415665° Long: -123.945162° Datum: WGS84

Soil Map Unit Name: 110 - Weott, 0 to 2 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation X, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation_____, Soil_____, or Hydrology_____naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	

Remarks:

This wetland is located on the fringe of the alfalfa field and tree line. There was some vegetation clearing on the slope to the south and slash piles now exist in the proximity of this wetland, along with mounded spoils that make the boundary of the wetland difficult to discern in some locations.

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: N/A)			
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: N/A)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: 10 ft x 10 ft)			
1. Alisma lanceolatum	90	X	OBL
2. Mentha pulegium	10		FACW
3. Holcus lanatus	10		FAC
4. Rumex acetosella	5		FACU
5. Ranunculus repens	5		FAC
6.			
7.			
8.			
9.			
10.			
11.			
	120 = Total Cover		
Woody Vine Stratum (Plot size:_____)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 1 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ☑ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ 5 - Wetland Non-Vascular Plants[1]
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No _____

Remarks:

There is an old spoil pile east of TP-1, potentially from pond excavation on adjacent parcel or from activities on the hillslope to the south.

SOIL

Sampling Point: TP-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	5GY 3/1	100					SiL	greasy, organic modified
5-17	10YR 4/1	95	10YR 5/6	5	C	M	CL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
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- _ Loamy Mucky Mineral (F1) (**except MLRA 1**)
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- ☑ Depleted Matrix (F3)
- _ Redox Dark Surface (F6)
- _ Depleted Dark Surface (F7)
- _ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- _ 2 cm Muck (A10)
- _ Red Parent Material (TF2)
- _ Very Shallow Dark Surface (TF12)
- _ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X **No** _____

Remarks:

Clay layer (5-17 in) acts as a restrictive layer for water, 0-5 in layer was inundated in some areas and completely saturated in other areas.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
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- _ Salt Crust (B11)
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- _ Stunted or Stressed Plants (D1) (**LRR A**)
- _ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- _ Water-Stained Leaves (B9) (**MLRA 1, 2, 4A, and 4B**)
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Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): _____

Water Table Present? Yes X No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): _____

Wetland Hydrology Present? Yes X **No** _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: 5497 Williamson City/County: Holmes/Humboldt Sampling Date: 6-17-2019

Applicant/Owner: Wyatt Williamson State: CA Sampling Point: TP-1

Investigator(s): Greg Davis Section, Township, Range: Redcrest USGS 7.5-Minute Quadrangle, Section 10, T1N, R2E

Landform (hillslope, terrace, etc.): Toe of slope Local relief (concave, convex, none): Concave Slope (%): 1

Subregion (LRR): LRR-A Lat: 40.415665° Long: -123.945162° Datum: WGS84

Soil Map Unit Name: 110 - Weott, 0 to 2 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation X, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation_____, Soil_____, or Hydrology_____naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X	No _____	
Wetland Hydrology Present?	Yes X	No _____	

Remarks:

This wetland is located on the fringe of the alfalfa field and tree line. There was some vegetation clearing on the slope to the south and slash piles now exist in the proximity of this wetland, along with mounded spoils that make the boundary of the wetland difficult to discern in some locations.

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1.			
2.			
3.			
4.			
	_____ = Total Cover		
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1.			
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3.			
4.			
5.			
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1. Alisma lanceolatum	90	X	OBL
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4. Rumex acetosella	5		FACU
5. Ranunculus repens	5		FAC
6.			
7.			
8.			
9.			
10.			
11.			
	120 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____

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Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

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Column Totals: (A)		(B)

Prevalence Index = B/A = _____

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[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

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- _ Depleted Dark Surface (F7)
- _ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- _ 2 cm Muck (A10)
- _ Red Parent Material (TF2)
- _ Very Shallow Dark Surface (TF12)
- _ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X **No** _____

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- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ___ Water Marks (B1)
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- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
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- _ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B**)
- _ Salt Crust (B11)
- _ Aquatic Invertebrates (B13)
- _ Hydrogen Sulfide Odor (C1)
- _ Oxidized Rhizospheres along Living Roots (C3)
- _ Presence of Reduced Iron (C4)
- _ Recent Iron Reduction in Tilled Soils (C6)
- _ Stunted or Stressed Plants (D1) (**LRR A**)
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Secondary Indicators (2 or more required)

- _ Water-Stained Leaves (B9) (**MLRA 1, 2, 4A, and 4B**)
- ☑ Drainage Patterns (B10)
- _ Dry-Season Water Table (C2)
- _ Saturation Visible on Aerial Imagery (C9)
- ✔ Geomorphic Position (D2)
- _ Shallow Aquitard (D3)
- ☑ FAC-Neutral Test (D5)
- _ Raised Ant Mounds (D6) (**LRR A**)
- _ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): _____

Water Table Present? Yes X No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): _____

Wetland Hydrology Present? Yes X **No** _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Soil Map—Humboldt County, South Part, California

Map Scale: 1:3,490 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Humboldt County, South Part, California
Survey Area Data: Version 7, Sep 13, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—Nov 6, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
110	Weott, 0 to 2 percent slopes	25.6	57.8%
179	Eelriver and Cottoneva soils, 0 to 2 percent slopes	2.3	5.2%
384	Scoutcamp-Rootcreek-Redcrest complex, 30 to 50 percent slopes	16.4	37.0%
Totals for Area of Interest		**44.3**	**100.0%**

U.S. Fish and Wildlife Service
National Wetlands Inventory

USFWS National Wetlands Inventory

June 19, 2019

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Appendix D

Biological Reconnaissance, Protocol Level Survey, and Wetland Delineation for APN: 209-331-002, Holmes, Humboldt County

Northern Spotted Owl Survey
Holmgren Forestry
Cameron Holmgren

July 2019

Pacific Watershed Associates
Georgia Hamer
Greg Davis
Margo Moorhouse

APPENDIX E

THP MINOR AMMENDMENT #4

AMENDMENT NO 3 (Jf/4)

Holmgren Forestry
PO Box 247
Fortun11, CA 95540
(707) 599-6416
holmgrenforestry@hotmail.com

This amendment conforms to the rules and the regulations of the Board of Forestry and the Forest Practice Act. NTMS
Reviewed by MB/CCC date routed 7 Jun 2019
cc: Unit (2), BOE, SUB, RPF

NSO Valid Until: 2/1/2020

June 6, 2019

CAL FIRE Review Team
135 Ridgeway Avenue
Santa Rosa, CA 95401

Re: Holmes THP 1-18-163HUM Minor Amendment #3, Request for NSO Compliance Review

Dear CAL FIRE Representative,

On behalf of the landowners, I request compliance review from CAL FIRE regarding Northern spotted owls (NSO) for the Holmes THP 1-18-163HUM

There is one NSO Activity Center HUM1106 within 0.7 air miles of the plan area. All NSO surveys followed Take Avoidance USFWS Scenario 4 using "Attachment A". All surveys were called with a digital caller. NSO survey stations are place to *cover* as much of the THP 0.7 mile buffer as possible, however some locations are not possible to survey due to private property constraints.

2019 was the second year of protocol surveys for the Holmes THP area. In 2019 the nearby Childs NTMP landowners are not willing to share NSO data, so two new overlapping calling stations 6 & 7 were added. In 2019 six complete visits were called from stations 1-7. There were no NSO or Barred owl detections.

In 2018 six complete visits were called from stations 1-5, There were no NSO or Barred owl detections.

The THP is one unit totaling 16.7 acres. The THP Is located in Section 34, T1N, R2E & Section 3, T1S, R2E; HB&M. Humboldt County. The silviculture is group selection/selection. The primary timber types are redwood, Douglas-fir, tanoak and madrone with a small component of alder, maple and pepperwood. Canopy *cover* ranges from 20% to 100% and is typed as 16 acres of Nesting/Roosting habitat and 0.7 acres of non-habitat. After timber operations are complete 11 acres of Nesting/Roosting habitat will be reduced to Foraging habitat. NSO suitable habitat will not be reduced. (See Habitat Maps with acres).

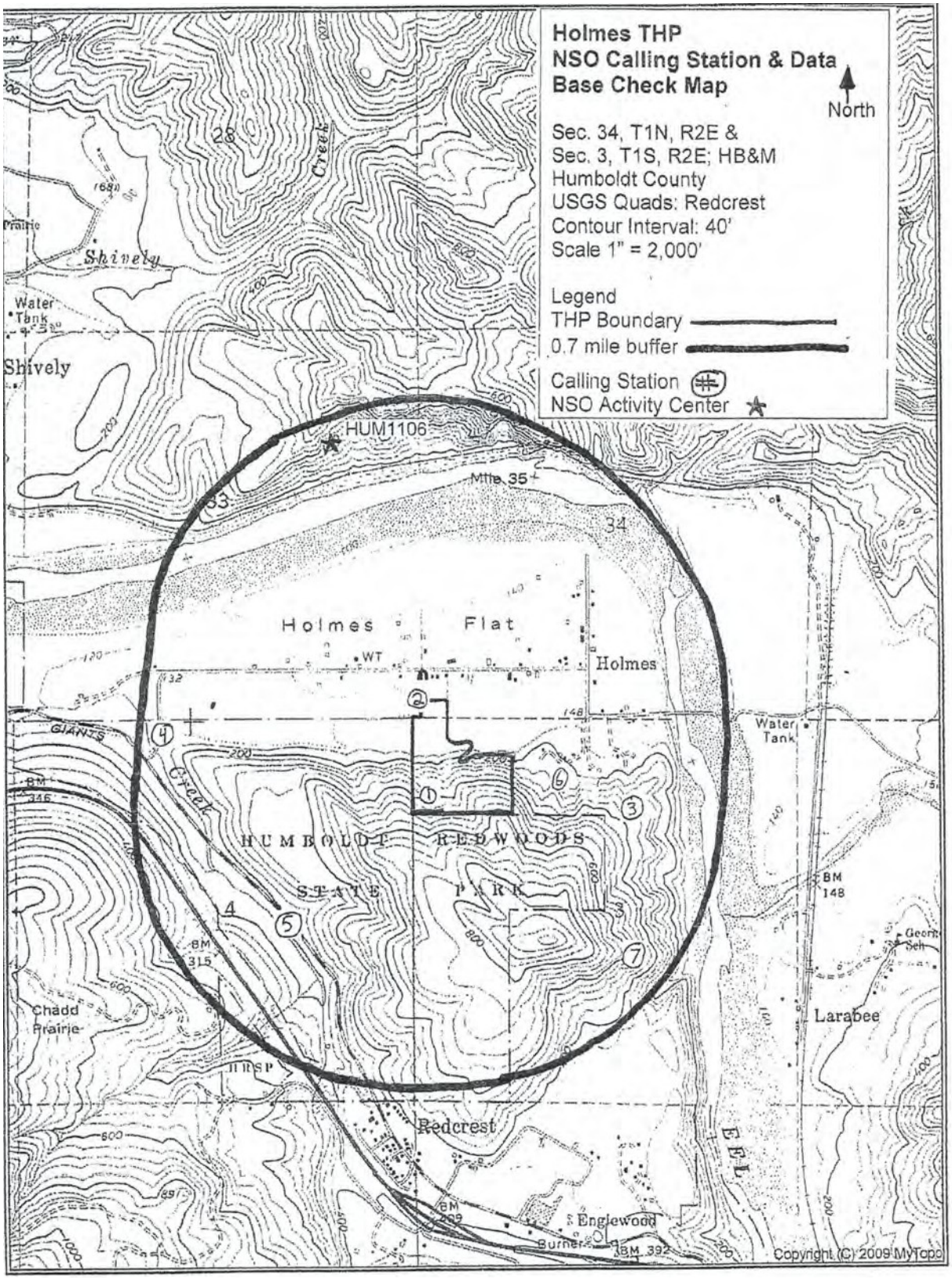
Please see attachments as follows:

- NSO Calling Station Map
- 2019 NSO Surveys (6)

Thank you, d-, 4f!t_

Cameron Holmgren, RPF #2929

RECEIVEn
JUN - 5 t''''
COAST AR
RESOURCE



SCALE 1:24000

0 1000 2000 3000 4000 5000 8000

Feet

I\forthern Spotted Owl Survey Forrn

!visit# /___

ProJecl Holft'les- *'TI-IP*

Observer Justin Tallman

Dale 3 /2,

Weather, Wind, Temp. Pc_ *f-2. t..i S*

Slaton•	Start	End	NSO Con/NC	CON Time	Speeches	Sex	Searing	Distance	Notes
7	**2.D3D**	2o4D	.}J / r_						
3	2.13c	2.)Yo	N / L						
C,	2150	22.00	\.J/1.-						
2	2212	2222	tJ/ ı,,						
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L{	2311.	232.2	NIL						
S	1.33£.	234'1	/'-						
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Weather codes:

Cl	Clea:
FG	Fog
PC	Partly Cloudy
OC	Overc. s1
Ci'!	Of.z:2le

Wind Codes;

o	Calm
1	LIghl Air
2	LIghl Breeze
3	Genlle Breeze
4	M0de1e1e **Bteeze**
S	Fresh Br•e z.e
6	Slh:ing' Breau

Set Codes;

M	Mele
F	Femal•
U	Unknown
PR	Pair

Oale **Logged** _____

Dela Enlorod _____

I\J'orthern Spotted Owl Survey Forrn

/visit# 2

Project / I [Mo N'leS- ii D -, r

Observer 3vs-\-,\A T "'-\\ \ r.

Date 3/23/19

Weather, Wind, Temp. OC 1-2. So

Station•	Start	End	NSO Con/NC	CON Time	Species	Sex	Bearing	Distance	Notes
7	2u40	Lc£L	.rv/c_						
3	2)30	-Z..IL/0	f'J/c_						
	215(,,	l1cf..c	}-.)/(_						
2	2.214	2224	f\J/L						
I	22.3'l	2241	t..J/L						
4	2257	23o7	N/c_						
.S	2320	233D	lc:_						
					-				
								I	
'Lis t all stati ns and note If s 1pped,									

Wealhercodes;
CL Clear
FG Fog
PC Par11y Clo udy
OC Overc.st
DR 0'1%::Ja

WindCodes:
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3 GentleBreeze
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5 Fra&h Braeu!
& Stron9 Brao.za

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M Msle
F Female
U Unknown
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/visit#3

Project Hc I N6 'THp

Observer Justin Tallman | Date 4-19-19 | IWealher, Wind, Temp. I CL I-'Z.. So

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5	Sltlllg Breeze

Set Codes:

M	Malo
F	Female
U	Unknown
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I\Jo_rt h e rn Spotted Owl Survey Forrn

. .)visit# Lf

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Observer :Y-vs-\- v\·. T G\\\ fv\ aV\ Dale '-(,./2.?/ J' Ct I ,,,. , We llher, Wind, Temp, 6C / 1.:..2 4 5

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Wind Codes:
O Calm
1 Llghl Air
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Sex Cedes:
M Male
F Female
U Unknown
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1,rorthern Spotted Owl Survey Forr-n

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Project	Holmes THP			
Observer	0 \>5-tl\/\· T \\MC(V\	Dale 5/&/Jq	1we11lh:r, Wind, Temp,	l Pl 1-Z 50-5£

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PC Panly Cloudy
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OR Cc.z;iJe

Wind Codes:
O Calm
1 Light AJr
2 Light Breeze
J Genne Breen
4 Moderate Breeza
S F111sh Braaz..a
6 Strong Broaze

Sox Codes:
M Mole
F Femele
lJ Unknown
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!visit# C,

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Observer	Dale	Weather, Wind, Temp.
Justin Tallman	5/30/19	rG, 1- 50

Station•	Start	End	NSO Con/NC	CON Time	Soecles	Sex	Bearlno	Olslance	Notes
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Weather codes:
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WindCodes:
O Calm
1 U9hl Air
2 Llghl Breeze
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SexCode1:
M Male
F Fe11sle
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JUN - 6 2019
COAST AREA OFFJCE
I::SOURCE MANAGEMNET

From : Cameron Holmgren <holmgrenforestry@ho tmail.com >
Sent: Thursday, June 6, 2019 12:39 PM
To: Santa Rosa Review Team@CALFIRE
Subject: Holmes THP 1-18-163HUM Minor Amendment #3, Request for NSO Compliance Review
Attachments: scan0730 .pdf

Cameron Holmgren, RPF #2929
Holmgren Forestry
PO Box 247
Fortuna, CA 95540
(707) 599-6416 Cell

Curtis, Chris@CALFIRE

From: Baker, Michael @CALFIRE
Sent: Thursday, June 6, 2019 4:29 PM
To: Santa Rosa Review Team@CALFIRE; Curtis, Chris@CALFIRE; Flamik, Glenn@CALFIRE; Headley , Shawn@CALFIRE; M ontgomery , Timot hy@CALFIRE; Schwab, Dominik @CALFIRE; Stanish, Anastasia@CALFIRE
Cc: Solinsky, Bill@CALFIRE
Subject: RE: Holmes THP 1 -18 -00163HUM Minor Amendment# 3, Request for NSO Compliance Review

Santa Rosa Review Team,

I have reviewed the survey summary, calling stations map, and field data sheets submitted as an amendment request to THP # 1-18-00163 HUM, dated June 6, 2019.

The 2019 USFWS Protocol Surveys, as conducted, meet the requirements of the USFWS 2012 NSO Survey Protocol guidance and zero NSO were detected.
Therefore, no changes to the NSO Protection Measures in the approved plan, as informed by the USFWS guidance, are warranted .

I recommend that this amendment request be accepted and applicable until February 1, 2020.

Michael Baker

Michael D. Baker, Ph.D.
Forest Practice Biologist
Sr. Environmental Scientis t

Sacramento
Email preferred over voicemaJI
Cell : 916-616-0021

Every Californian should conserve wat er and keep trees alive.
Find out how at: saveourwater.com / t rees · Drought.CA.gov

From: Santa Rosa Review Team@CALFIRE
Sent: Thursday, June 6, 2019 1:56 PM
To: Baker, Michael@CALFIRE <Michael.Baker@fire.ca.gov>; Curtis, Chris@CALFIRE <Chris.Curtis@fire.ca.gov>; Flamik, Glenn@CALFIRE <Glenn.Flamik@fire.ca.gov>; Headley, Shawn@CALFIRE <Shawn.Headley@fire.ca.gov>; M ontgomery , Timot hy@CALFIRE <t imothy.mo ntgomery@ fire.ca.gov>; Schwab, Dominik@CALFIRE <Dominik.Schwab@fire.ca.gov>; Stanish, Anastasia@CALFIRE <Anast asia.Stanish@ fire.ca .gov>
Subject: FW: Holmes THP 1-18-00163HUM Minor Amendment #3, Request for NSO Compliance Review

From: Cameron Holmgren [mai1to:holmgr enfo rest ry @hot mail.com1
Sent: Thursday, June 6, 2019 12:39 PM
To: Santa Rosa Review Team@CALFIRE <SantaRosaReviewTeam@fire.ca.gov>
Subject : Holmes THP 1-18-163HUM Minor Amendment #3, Request for NSO Compliance Review

Cameron Holmgren, RPF #2929
Holmgren Forestry
PO Box 247
Fortuna, CA 95540
(707) 599-6416 Cell

Appendix E

Biological Reconnaissance, Protocol Level Survey, and Wetland Delineation for APN: 209-331-002, Holmes, Humboldt County

Photo Page

July 2019

Pacific Watershed Associates
Georgia Hamer
Greg Davis
Margo Moorhouse

Biological Reconnaissance, Protocol Level Survey, and Wetland Delineation

Photo 1- View looking across the property at the proposed project area, with the hayed pasture in the background (Photo June 17, 2019).

Photo 2 – Overlook of the property with Wetland #1 in the foreground (bottom right frame). The redwood stand in the pasture is in line with the central drainage ditch (May 15, 2019).

Photo 3 – View of the forest-pasture fringe south of Wetland #1 (May 15, 2019).

Photo 4 – View of the area adjacent to the western property line and central drainage ditch (Photo June 17, 2019).

Photo 5 – View of Wetland #1 with the boundary at the abrupt vegetation change directly behind PWA staff in photo (May 15, 2019).

Photo 6 – View of hydric soils at TP-1, Wetland #1 (June 17, 2019).

Photo 7 – View of the surface water present at Wetland #1 (Photo June 17, 2019).

Photo 8 – View of Wetland #2, a spring-fed pond at the southern edge of the alfalfa field (May 15, 2019).

Photo 9 – View of the pond overflow of Wetland #2 looking westward towards the property line (May 15, 2019).

Photo 10 – View of Wetland #3 at the southwestern edge of the alfalfa field, looking beyond the property line, marked by the pink flag to the right (Photo June 17, 2019).

Photo 11 – View of Wetland #3 looking beyond property line to the west (Photo June 17, 2019).

Photo 12 – View of the property and beyond looking northwards with the bare rock outcrop on the opposite side of the Eel River (May 15, 2019).

Appendix F

Biological Reconnaissance, Protocol Level Survey, and Wetland Delineation for APN: 209-331-002, Holmes, Humboldt County

Species Listing Status Definitions Corresponding to Report Section 3.0

July 2019

Pacific Watershed Associates
Georgia Hamer
Greg Davis
Margo Moorhouse

Species Listing Status Definitions

Definitions within this Appendix correspond to Section 3.0 of the "Biological Reconnaissance, Protocol Level Survey, Wetland Delineation, and Invasive Species Management Plan for APN 209-331-002, Holmes, Humboldt County, California."

All information in this Appendix can be found at

"RareFind Field Descriptions." *RareFind Field Descriptions*, California Department of Fish and Wildlife, 2019, map.dfg.ca.gov/rarefind/view/RF_FieldDescriptions.htm.

1) **California Rare Plant Rank** - The *California Rare Plant Rank* status applies to plants only. The *California Rare Plant Ranks* are a ranking system originally developed by the California Native Plant Society (CNPS) to better define and categorize rarity in California's flora. These ranks were previously known as the CNPS lists but were renamed to the *California Rare Plant Ranks* to better reflect the joint effort among the CNPS, the CNDDB, and a wide range of botanical experts, who work together to assign a rarity ranking. All plants tracked by the CNDDB are assigned to a *California Rare Plant Rank* category. These categories are:

CA Rare Plant Rank	Description
1A	Plants presumed extinct in California and rare/extinct elsewhere
1B.1	Plants rare, threatened, or endangered in California and elsewhere; seriously threatened in California
1B.2	Plants rare, threatened, or endangered in California and elsewhere; fairly threatened in California
1B.3	Plants rare, threatened, or endangered in California and elsewhere; not very threatened in California
2A	Plants presumed extirpated in California, but more common elsewhere
2B.1	Plants rare, threatened, or endangered in California, but more common elsewhere; seriously threatened in California
2B.2	Plants rare, threatened, or endangered in California, but more common elsewhere; fairly threatened in California
2B.3	Plants rare, threatened, or endangered in California, but more common elsewhere; not very threatened in California
3.1	Plants about which we need more information; seriously threatened in California

3.2	Plants about which we need more information; fairly threatened in California
3.3	Plants about which we need more information; not very threatened in California
4.1	Plants of limited distribution; seriously threatened in California
4.2	Plants of limited distribution; fairly threatened in California
4.3	Plants of limited distribution; not very threatened in California

2) **Federal Listing Status** - The United States legal status under the Federal Endangered Species Act (ESA).

Listing Status	Description
Endangered	The classification provided to an animal or plant in danger of extinction within the foreseeable future throughout all or a significant portion of its range.
Threatened	The classification provided to an animal or plant which is likely to become an Endangered species within the foreseeable future throughout all or a significant portion of its range.
Proposed Endangered	The classification provided to an animal or plant that is proposed for federal listing as Endangered in the Federal Register under Section 4 of the Endangered Species Act.
Proposed Threatened	The classification provided to an animal or plant that is proposed for federal listing as Threatened in the Federal Register under Section 4 of the Endangered Species Act.
Candidate	The classification provided to an animal or plant that has been studied by the United States Fish and Wildlife Service, and the Service has concluded that it should be proposed for addition to the Federal Endangered and Threatened species list.
None	The plant or animal has no federal status.
Delisted	The plant or animal was previously listed as Endangered or Threatened, but is no longer listed on the Federal Endangered and Threatened species list.

3) **Global Rank** - The *Global Rank* is a reflection of the overall condition and imperilment of an element throughout its global range. Both the Global and State ranks represent a letter+number score that reflects a combination of Rarity, Threat and Trend factors, with weighting being heaviest on the rarity factors. The *Global Ranks* are assigned by NatureServe in coordination with the appropriate state program(s) where the element occurs.

Global Rank	Definition
GX	**Presumed Extinct** (species) — Not located despite intensive searches and virtually no likelihood of rediscovery. **Extinct** (ecological communities and systems) — Eliminated throughout its range, with no restoration potential due to extinction of dominant or characteristic taxa and/or elimination of the sites and ecological processes on which the type depends.
GH	**Possibly Extinct** — Known from only historical occurrences but still some hope of rediscovery. There is evidence that the species may be extinct or the ecosystem may be eliminated throughout its range, but not enough to state this with certainty. Examples of such evidence include 1) that a species has not been documented in approximately 20–40 years despite some searching or some evidence of significant habitat loss or degradation; 2) that a species or ecosystem has been searched for unsuccessfully, but not thoroughly enough to presume that it is extinct or eliminated throughout its range.
G1	**Critically Imperiled** — At very high risk of extinction due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors.
G2	**Imperiled** — At high risk of extinction due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors.
G3	**Vulnerable** — At moderate risk of extinction or elimination due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors.
G4	**Apparently Secure** — Uncommon but not rare; some cause for long-term concern due to declines or other factors.
G5	**Secure** — Common; widespread and abundant.
GNR	**Unranked** — Global rank not yet assessed.
GU	**Unrankable** — Currently unrankable due to a lack of information or due to substantially conflicting information about status or trends.
G#G#	**Range Rank** — A numeric range rank (e.g., G2G3) is used to indicate the range of uncertainty about the exact status of a taxon or community.
G#T#	**Infraspecific Taxon** — The status of infraspecific taxa (subspecies or varieties) are indicated by a "T-rank" following the species' Global Rank. Rules for assigning T-ranks follow the same principles as those for Global Ranks. However, a T-rank cannot imply the subspecies or variety is more abundant than the species. With the subspecies, the G-rank reflects the condition of the entire species, whereas the T-rank reflects the global situation of just the subspecies or variety.
?	**Qualifier: Inexact Numeric Rank** — A question mark represents a rank qualifier, denoting an inexact or uncertain numeric rank.
Q	**Qualifier: Questionable Taxonomy** — The distinctiveness of this entity as a taxon or community at the current level is questionable; resolution of this uncertainty may result

	in change from a species to a subspecies or hybrid, or inclusion of this taxon or type in another taxon or type, with the resulting taxon having a lower-priority (numerically higher) conservation status rank.
C	**Qualifier: Captive or Cultivated Only** — The taxon or community at present is presumed or possibly extinct or eliminated in the wild across its entire native range but is extant in cultivation, in captivity, as a naturalized population (or populations) outside its native range, or as a reintroduced population or ecosystem restoration, not yet established.

4) **Other Status** - The *Other Status* field provides additional status listings for an element, including the Department of Fish and Wildlife's Fully Protected and Species of Special Concern designations.

Organization	Status Listing
AFS - American Fisheries Society	
	EN – Endangered
	TH – Threatened
	VU – Vulnerable
BLM - Bureau of Land Management	S – Sensitive
CDF - California Department of Forestry & Fire Protection	S – Sensitive
CDFW - California Department of Fish & Wildlife	
	FP - Fully Protected
	SSC - Species of Special Concern
	WL - Watch List
IUCN - International Union for the Conservation of Nature	
	CD - Conservation Dependent
	CR - Critically Endangered
	DD - Data Deficient
	EN - Endangered
	EW - Extinct in the Wild
	EX – Extinct
	LC - Least Concern
	NE - Not Evaluated

	NT - Near Threatened
	VU - Vulnerable
MMC - Marine Mammal Commission	SSC - Species of Special Concern
NABCI - North American Bird Conservation Initiative	
	RWL - Red Watch List
	YWL - Yellow Watch List
NMFS - National Marine Fisheries Service	SC - Species of Concern
SB - Seed Banked	
	BerrySB - Berry Seed Bank
	CRES - San Diego Zoo CRES Native Gene Seed Bank
	KewBG - Kew Royal Botanic Gardens
	RSABG - Rancho Santa Ana Botanic Garden
	SBBG - Santa Barbara Botanic Garden
	UCBBG - UC Berkeley Botanical Garden
	USDA - US Dept of Agriculture
USFS - United States Forest Service	S – Sensitive
USFWS - United States Fish & Wildlife Service	BCC - Birds of Conservation Concern
WBWG - Western Bat Working Group	
	H - High Priority
	MH - Medium-High Priority
	M - Medium Priority
	LM - Low-Medium Priority
XERCES - Xerces Society	
	CI - Critically Imperiled
	IM – Imperiled
	VU - Vulnerable
	DD - Data Deficient

5) State Listing Status - The State of California legal status.

Listing Status	Description
Endangered	The classification provided to a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant which is in serious danger of becoming extinct throughout all, or a significant portion, of its range due to one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, or disease.
Threatened	The classification provided to a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that, although not presently threatened with extinction, is likely to become an endangered species in the foreseeable future in the absence of special protection and management efforts.
Rare	The classification provided to a native plant species, subspecies, or variety when, although not presently threatened with extinction, it is in such small numbers throughout its range that it may become endangered if its present environment worsens. This designation stems from the Native Plant Protection Act of 1977.
None	The plant or animal has no state status.
Delisted	The plant or animal was previously listed as Endangered, Threatened or Rare but is no longer listed by the State of California.
Candidate Endangered	The classification provided to a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Fish and Game Commission has formally noticed as being under review by the Department of Fish and Wildlife for addition to the list of endangered species, or a species for which the commission has published a notice of proposed regulation to add the species to the list of endangered species.
Candidate Threatened	The classification provided to a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Fish and Game Commission has formally noticed as being under review by the Department of Fish and Wildlife for addition to the list of threatened species, or a species for which the commission has published a notice of proposed regulation to add the species to the list of threatened species.

APPENDIX E

ACTIVE CDFA LICENSES

California Department of Food and Agriculture
1220 NStreet
Sacramento, CA 95814

PROVISIONAL CANNABIS CULTIVATION LICENSE

Legal Business Name:
Eel River Produce, LLC

Main Premises APN:
Humboldt County - 209-331-002-000

Main Premises Address:
1048 Holmes Flat Road
Unincorporated, CA 95569

Valid:
07/09/2020 to 07/09/2021

License Number:
CCL20-0000059

License Type:
Adult-Use-Nursery

--- PROVISIONAL LICENSE PURSUANT TO BPC 26050.2 ---

Additional Premises APN(s):

Additional Premises Address(es):

CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE

California Department of Food and Agriculture
1220 NStreet
Sacramento, CA 95814

PROVISIONAL CANNABIS CULTIVATION LICENSE

Legal Business Name:
Eel River Produce, LLC

Main Premises APN:
Humboldt County - 209-331-002-000

Main Premises Address:
1048 Holmes Flat Road
Unincorporated, CA 95569

Valid:
09/02/2020 to 09/02/2021

License Number:
CCL20-0000061

License Type:
Adult-Use-Small Outdoor

--- PROVISIONAL LICENSE PURSUANT TO BPC 26050.2 ---

Additional Premises APN(s):

Additional Premises Address(es):

CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE

California Department of Food and Agriculture
1220 NStreet
Sacramento, CA 95814

PROVISIONAL CANNABIS CULTIVATION LICENSE

Legal Business Name:
Eel River Produce, LLC

Main Premises APN:
Humboldt County - 209-331-002-000

Main Premises Address:
1048 Holmes Flat Road
Unincorporated, CA 95569

Valid:
09/02/2020 to 09/02/2021

License Number:
CCL20-0000060

License Type:
Adult-Use-Small Outdoor

--- PROVISIONAL LICENSE PURSUANT TO BPC 26050.2 ---

Additional Premises APN(s):

Additional Premises Address(es):

CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE

California Department of Food and Agriculture
1220 NStreet
Sacramento, CA 95814

PROVISIONAL CANNABIS CULTIVATION LICENSE

Legal Business Name:
Eel River Produce, LLC

Main Premises APN:
Humboldt County - 209-331-002-000

Main Premises Address:
1048 Holmes Flat Road
Unincorporated, CA 95569

Valid:
09/02/2020 to 09/02/2021

License Number:
CCL20-0000055

License Type:
Adult-Use-Medium Outdoor

--- PROVISIONAL LICENSE PURSUANT TO BPC 26050.2 ---

Additional Premises APN(s):

Additional Premises Address(es):

APPENDIX F

ACTIVE HUMBOLDT COUNTY LOCAL PERMITS

NOTICE OF DETI **12-2020-019**

Recorded Offlcial Records
Humboldt County, Calif ornl a
Kelly E. Sanders, Recorder
Recorded by'
Pages: 7

Recording Fee: $ 50.00
Tax Fee: $0.00
Clerk: sc Tol a!: $50.00
May 08, 2020 at 08:00:00

*** CONFORMED COPY***

To: ☐ Office o
1400 Ter
PO Box
SacramE

[81 County c
County c
825 Fifth
Eureka C

County of Humboldt
Planning and Buildin g Department
3015 H Street
Eureka CA 95501

Conta ct: Stevie Luther
Telephone 445-7541
Em ail: sluther@co.humboldf.ca.us

Lead Agency *(if differenl from above):*
Address:

Contact:
Telephone:

Applic a nt: Eel River Produce, LLC
4632 Wa lnu t Drive
Eureka , CA 95503

APN: 209-311-003

Cose No.: PLN-2019-15762

Subject: *FUing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.*

State Clearinghouse Number: 2017042022

Project Title: Commercial Cannabis Land Use Ordinance - Outside !he Coastal Zone - 314-55.3 & 314.55.4 et seq

Project Location (include County):
The pr o ject is lo c a ted in the Redcrest area, on the south side of Holmes Flot Roa d , approximately 1,700 feel west from the intersection o f Holmes Fla t Road and Tierney Road, on the prop erly known as 1048 Holmes Flat Rood.

Project Description :
A Zoning Cleara n c e C erli fica te for an 10 . 000 square foot c ommercial wholesale outdoor nursery.

This is to advise that the County of Humboldl as the Lead Agency has approved the above described projec t on Apnl 24, 2020 and hos determined fhol the project described above is in compliance with. ond is co nsisten t with the Commercial Cannabis Land Use Ordinance (CCLUO) ad op ted Moy 8. 2018. for which a Environmental Impact Repo rt was also adop ted . and hos mode the following determinations regarding the above described project:

1. Th e project D will [81 will not hove a significant effect on th e en vironment.
2. [81 An Environmental Impact Report was prepared for this project pursuant to theprovisions of CEQA.
   0 A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
   D A Mitigated Negative Declaration was prep ared for this p rojec t pursuant to th e p rovisions of CEQA.
3. Mitigation measures [81 were D were not mode a condition of the approval of the project.
4. A m itigati on reporting or monitoring pion D was [81 was not adopted for this project.
5. A statement of Overriding Considerations D was **[81** was not adopted for this project.
6. Finding s **[81** were D were not mode pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval. or the negative Declaration, is available to tht_ enerol Public at: Planning Division , 3015 H St. Eureka , CA 95501.

Signature: ---f-.d rDI< Dote: 424.2020

Title: Plonn e r Dole received for filing at OPR:

ATTACHMENT 1

CEQA ADDENDUM TO THE FINAL ENVIRONMENTAL IMPACT REPORT FOR THE COMMERCIAL CANNABIS LAND USE ORDINANCE

Comm·ercial Cannabis Land Use *Ordinance Final Environmental Impact Report (EIR) (State Clearinghouse# 2017042022), January 2018*

APN 209-331-002, 1048 Holmes Flat Road, Redcrest, County of Humboldt

Prepared By
Humboldt County Planning and Building Department
3015 H Street, Eureka, CA 95501

April 2020

Background

Project Description and Project History- The Commercial Cannabis Land Use Ordinance {CCLUO) updated the County's existing Commercial Medical Marijuana Land Use Ordinance {Section 313-55.4 and 314-55.4 of Chapter 3 of Division 1 of Title lll of the County Code) as well as repeal of the Medical Cannabis Testing and Research Laboratories provisions and on-site consumption prohibition found in Sections 313-55.3.15, 314-55.3.15, 313-55.3.11.7, and 314-55.3.l l.7 of Division l of Title lll of the County Code, respectively. These regulations establish land use regulations for the commercial cultivation, processing, manufacturing, distribution, testing, and sale of cannabis · within the County. These regulations were developed in concert with the Final Environmental Impact Report {EIR) that was adopted for the ordinance in order to implement t.he mitigation measures of the EIR. The EIR addressed the broad environmental impacts that could be expected to occur from the adoption and implementation of the ordinance. The EIR specified that the regulations established in the CCLUO would mitigate the impacts of existing cannabis operations by establishing regulations for an existing unregulated land use to help prevent and reduce environmental impacts that are known to result from unpermilted baseline cultivation operations. The EIR prepared for the CCLUO also established local land use regulations to allow for continued commercial cannabis operations in the unincorporated area of the County that ensure the health and safety of residents, employees, County visitors, neighboring property owners and end users of cannabis. The proposed project is consistent with all regulations within the CCLUO and all mitigation measures of the EIR. Commercial cannabis cultivation in existence as of December 31, 2015, was included ln the environmental baseline for the EIR. The current project was contemplated by the EIR and compliance with the provisions of the CCLUO will fully mitigate all environmental impacts of the project to a less than significant level.

The project is for 123,200 square feet of commercial cannabis cultivation and 10,000 square feet of outdoor commercial nursery on land zoned Agriculture Exclusive. The project includes a proposed 6,600 square fool drying structure. The property proposes to host four (4) entitlements relocated to the site through the County's Retirement, Remediation and Relocation {RRR) program. There are 15.3 acres of mapped Prime Agricultural Soil on the parcel. Section 55.4.6.4.3 limits the use of prime agricultural soil for a cannabis cultivation site to no more than 20% of the total. The project does not exceed the 20% threshold. The project site is planned Agriculture Exclusive {AE) and Timberland {T). The proposed cultivation activity would occur on the AE portion of the property.

The project includes a Special Permit for 43,200 square feet of new outdoor light deprivation occurring in hoop houses, a Zoning Clearance Certificate for a 10,000 square foot commercial wholesale nursery occurring in four greenhouses, and a total of four Zoning Clearance Certificates authorizing the site to host up to 80,000 square feet of retired and relocated cultivation. Phase II of the project seeks a variance to construct a proposed 6,600 square foot Ag-Exempt structure in the flood plain to be used for drying.

The sole source of irrigation water is rainwater catchment stored in tanks. There will be 120,000 gallons of tank storage ·on site. Cannabis is partially dry-farmed. Annual water use at total build-. out for the cultivation areas is estimated at 149,500 gallons. Annual water use for the nursery is estimated at 19,000 gallons. Water meters will be used to quantify irrigation water use.

The proposed cultivation and nursery area would occur in an agricultural field and ruderal area. The vegetation is predominately non-native grasses and other non-native herbaceous vegetation. The southern portion of the property is forested.

A Biological Reconnaissance, Protocol Level Survey, Wetland Delin ation and Invasive Species Management Plan was prepared by Pacific Watershed Associates in JLily 2019. The report evaluated the site for the presence or potential presence of rare and sensitive plants and wi)dlife. The biologist determined a high potential for maple-leafed checkerbloom and Northern Spotted Owl. A protocol survey was completed for maple-leafed checkerbloom, and no plants were found. A protocol-level survey was completed for NSO as part of a proposed Timber Harvest Plan. No NSO were found within a l .3 mile radius of the site. No suitable habitat for Marbled Murrelels was identified on the site. The project does not use supplemental light, and will limit noise to no more than 3 decibels above pre-project ambient noise.

The modified project is consistent with the adopted EIR for the CCLUO because ii complies with all standards of the CCLUO which were intended to mitigate for impacts of new cannabis operations. These inciude complying with County Fire Sale regulations, noise and light attenuation measures to limit disturbance to wildlife, limiting activities to daylight hours (8 am to 5 pm), supplying irrigation water from a non-diversionary source and electricity from renewable sources.

Purpose - Section 15164 of the California Environmental Quality Act (CEQA) provides that the lead agency shall prepare an addendum to a previously certified Final Environmental Impact Report [EIR) if some changes or additions are necessary but none of the conditions described in"Section 15162 calling for a subsequent EIR or Negative Declaration have occurred. Section 15162 states that when an EIR has been certified for a project, no subsequent EIR shall be prepared for that project unless the lead agency determines, on the basis of substantial evidence in the light of the whole record, one or more of the following:

l . Substantial changes are proposed in the project which require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase . in the severity of previously ideniified significant effects;

2. Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or

3. New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the Final EIR was certified as complete, shows any of the following: A) the project will have one or more significant effects not discussed in the previous Final EIR; B) significant effect previously examined will be substantially more severe than shown in the Final EIR; C) mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or D) mitigation measures or alternatives which are considerably different from those analyzed in the Final EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Summary of Significant Project Effects and MIIlgation Recommended

No changes are proposed for the Final EIR recommended mitigations. The proposal to authorize 43,200 square feet of new outdoor cannabis cultivation, host the relocation of up to 80,000 square feel of cultivation, and operate a l0,000 square loot commercial nursery is fully consistent with the impacts identified and adequately mitigated in the Final EIR. The project as conditioned to implement responsible agency recommendations, results in no significantly adverse

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environmental effects beyond those identified in the Final EIR.

In reviewing the application for consistency with the adopted EIR, the County considered the following information and studies, among other documents:

- Cultivation and Operation Plan received Aprtl 14, 2020.
- Site Plan prepared by prepared by Pacific Watershed Associates
- Division of Environmental Health Worksheet
- Biological Reconnaissance, Protocol Level Survey, Wetland Delineation and Invasive Species Management Plan prepared by Pacific Watershed Associates in July 2019.
- Erosion Control Plan prepared by Holmgren Associates November 2018
- Botanical Survey Report prepared by Holmgren Associates in July 2019
- Cultural Resource Survey completed by Archaeological Research and Supply Company in December 2019.

Other CEQA Considerations

Staff suggests no changes for the revised project.

EXPLANATION OF DECISION NOTTO PREPARE A SUPPLEMENTAL MITIGATED NEGATIVE DECLARATION OR ENVIRONMENTAL IMPACT REPORT

See **Purpose** statement above.

In every impact·category analyzed in this review, the projected consequences of the current project proposal are either the same or less than significantly increased than the initial project for which the EIR was adopted. Based upon this review, the following findings are supported:
FINDINGS

1. The proposed project will permit a new cannabis operation and brtng the operation into compliance with county and state requirements intended to adequately mitigate environmental impacts.

2. The circumstances under which the project was approved have not changed substantially. There are no new significant environmental effects and no substantial increases in the seventy of previouslyidentified effects.

3. For the current proposed project, ·there has been no new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was adopted as complete.

CONCLUSION

Based on these findings ii is concluded that an Addendum lo the previous Final EIR is appropriate to address the requirements under CEQA for the current project proposal. All of the findings, mitigation requirements, and mitigation and monitortng program of ttie EIR, remain in full force and effect on the ortginal project.

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Couqty CJ i:!<,- R.ecorder &.Registrar of Voters
825 fl.fthStreet, 5thiFloor-
Eui'ek?,.CA 9550:1
R.pq!Jf {707) 44·5-759J
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RECEIPT NUMBER: 12-2018-030

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LEAD AGENCY: HUMBOLDT CNTY
LEAD AGENCY EMAIL: SLAZAR@CO.HUMBOLDT.CA.US
DATE: 05/08/2018
COUN'NISTATEAGENCY Of: FILING: HUMBOt.:.DT,
DOCUMENT NUMBER: 12-2018-030

P ,OJECTTIT!,-E
COMMERCIAL CANNABIS LAND use ORDINANCE-LANDS OUTSIDE OF THE'COASTA(ZONE

PROJECT APPi:,! NAME ,	PROJECT.APPLICANTEMAIL	PHONE NUMBER·
HUMBOLDT CNTY PLANNING & BUILDING	slazarlnlco.humbo1dt.ca.us	r707) 268-3741

PROJECT.A?._PLICANT ADDRESS	CITY	ISTATE	ZIP CODE
3015H·S'r.-··	'EUREKA	CA	95501

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D Other		

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S Cams, Deputy County Clerk-Recorder

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Notice of Determi6ation

Appendix D

To:
D Offlce,of Planning and Research
U.S. Mall: . *Street Address:*
P.O.Box.3044 1400 Tenth St., Rm 113
Sacramento, GA 95812-3044. Sacramento, 'dli 95814

1811 County Clerk
County of: Humboldt
Address: ·825 6th Street
Eureka, GA 95501

FrOm:
Public Agency:· Humboldt Counly Planning & Bldg
Address: 3015 H Street
.slaza.<@c,2.I.,v.N'i\.•IJ.f.cl\.%
Contact:Sleve Lazar'
.Rbane:(707)268-3741

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Resources Gode.

State Clearlnghouse Number (if submitted to State_Clearlnghouse):2""01"'70'-'4-"-202.2cc....

Project Title: Commercial Cannabla Land Use Ordinance - Outside the Coastal Zone! 314-55.:i & 314-55.4 et aecj

.prject Appllcaht: county of Humboldt - Plnnlng & aulldln bepaJjment

Project Location (Include county): Gountywlde, all unlncorpor11tei1.areils of Humboldt county

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This Is to advise that the County of Humboldt ......:, .:, has apRrovedJh · abo e
(I81 Lead Ag ncy or D Responsible Agency)

cJescrlbed project on ,,,6/"'8i_,,1a' ---- and has ma.de the following determinations regarding the above
(date)
described project.

1,'iha pfojic![181 will D will not] have a'significant effect on the environment.
2.18] Ari E; vlronmental Impact Report was prepared for this p·roject pursuant to the provisions of CEQA•
tfi:,Negailve Decla,ratlon was prepa,red fori Is project pursu n\io the provlslcins of c;:E;qA,.
3, Mitigation measures [181 were ti were ii'oi)ma8e·a condition oiinli llp'pr val of tile project..
4, Amltlg.atlon tl;lp rtlng or monitoring plan [181 was tJl'li'!S not] adopfocUoi this project
5. A sta.tement of Overriding Considerations [lig was D was not] adopted for this project.
6, Findings [181 were D were not] made pursuant to the provisions of CECIA.

This'Is to certify that the final .EIR with comments and responses and record of project approval, or the negative Declaration, Is available to the General Public at:
HumboldlC=ounty'-'-'Plannlng&SulldlngDepa•nt-3015HStreel,Eureka,GA9=5501'----FILED

County of Humboldt
Kelly E, Sandeos
County Clerk
12-2018-030
05/08/2018
90

Signature wu.bllc ge y): (j) I.:: /4---: Title: Senior Planner

Date: 5/8118 Date Received forfllIng al QPR:_._

Authority cited: Sections 21083, Public Resources Gode,
Reference Section 21000:21114, Public Resources Code.

State of California - Department of Fish and Wildlife

2019 ENVIRONMENTAL FILING FEE CAS,I RECEIPT

DFW753.5a (REV.12I01I18) Previously DFG 753.Sa

RECEIPT NUMBER: 12-2020-091

STATE CLEARINGHOUSE NUMBER /// *applicable)*: 201704022

SEEINSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.

LEAD AGENCY	LEADAGENCY EMAIL	DATE
HUMBOLDT CNTY PLANNING & BUILDING	SLUTHER@CO.HUMBOLDT.CA.	05/08/2020

COUNTY/STATE AGENCY OF FILING	DOCUMENT NUMBER
HUMBOLDT	12-2020-091

PROJECT TITLE

COMMERCIAL CANNABIS LAND USE ORDINANCE OUSTIDE THE COASTAL ZONE

PROJECT APPLICANT NAME	PROJECT APPLICANT EMAIL	PHONE NUMBER
EEL RIVER PRODUCE LLC	SLUTHER@CO.HUMBOLDT.CA.	(707) 445-7541

PROJECT APPLICANT AODRESS	CITY	STATE	ZIP CODE
4632 WALNUT DRIVE	EUREKA	CA	95503

PROJECT APPLICANT *(Check appropriate box)*

D Local Public Agency D School District D Other Special District D State Agency Private Entity

CHECK APPLICABLE FEES:

D Environmental Impact Report (EIR)	, $3,271.00	$
MiUgated/Negative Declaration (MND)(ND)	$2,354.75	$
D Certified Regulatory Program (CRP) document - payment due directly to CDFW	'$1,112.00	
D Exempt from fee		
D Notice of Exemption (attach)		
D CDFW No Effect Detennination (attach)		
D Fee previously paid (attach previously issued cash receipt copy)		
D Water Right Application or Petition Fee (State Water Resources Control Board only)	$850.00	$
!KI County documentary handling fee		$ $50.00
D Other		$
PAYMENT METHOD:		
D Cash D Credit 0 Check KI other	TOTAL RECEIVED	$ $50.00

SIGNATURE	AGENCY OF FILING PRINTED NAME AND TITLE
X S	S Carns, Deputy County .Clerk-Recorder

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COUNTY OF HUMBOLDT
PLANNING AND BUILDING DEPARTMENT
CURRENT PLANNING DIVISION

3015 H Street Eureka CA 95501 Fax: (707) 268-3792 Phone: (707) 445-7541
http:/ /www.co.humboldt.ea.us/planning/

ZONING CLEARANCE CERTIFICATE MODIFICATION

Project: A modification to retire an approved permit for l 0,000 square feet mixed -light and relocate as 20,000 square feet outdoor to APN 209-331-002.

Project Locations: The cultivation site being retired is located on APN 511-191-003 in the McKinleyville area, on the north and south side of Hooven Road, approximately 1,986 feet from the intersection of Dows Prairie and Hooven Road, on the property known as 2190 Hooven Road, McKinleyville.

Relocation Parcel 209-331-002: The receiving parcel is located in the Redcrest area, on the south side of Holmes Flat Road, approximately 1,700 feet west from the intersection of Holmes Flat Road and Tierney Road, on the property known as 1048 Holmes Flat Road.

Present Plan Designations: Retirement Site APN 511-191-003: Residential Agriculture (RA5-20), Density: Range is 5 to 20 acres per unit; Residentiai Estates (RE2.5-5), Density: (Ciuster) Range is 2.5 to 5 acres per unit; Airport Safety Review (AP), Density: Must comply with most recent Airport Land Use Compatibility Plan (ALUCP); McKinleyville Community Plan (MCCP), 2017 General Plan, Slope Stability: Low Instability (1) and Moderate Instability (2).

Relocation Parcel: 209-331-002 Agriculture Exclusive (AE), Density: Range is 20 to 60 acres per unit; Timberland (T), Density: 40 to 160 acres per unit, Avenues Community Planning Area: Sta fford - Redcrest, 2017 General Plan, Slope Stability: Low Instability (1) and Moderate Instability (2).

Present Zoning: Retirement Site APN 511-191-003: Agricultural General (AG), Minimum building site area is 5 acres (B-5(5)), Airport Safety Review (AP)

Relocation Parcels APN 209-331-002: Agricultural Exclusive (AE), Flood Hazard Area (F); Timberland Production (TPZ)

Record Number: PLN-2020-16332

Assessor Parcel Numbers: Retirement site: 511-191-003; Relocation site: 209-331-002

Applicant	**Owner**	**Agent**
Eel River Produce, LLC	Tipiro LLC Co	PR Professional Services
Wyatt Williamson	1806 H Street	4112 Walnut Drive
PO Box 764	Arcata, CA 95521	Eureka, CA 95503
Loleta, CA 95551		

Findings

Pursuant to Humboldt County Code Section 312-2.4, a Zoning Clearanc e Certificate shall be approved and issued by th e Planning Director if, based on the sub mitted information provided by the ap plicant, it is found that:

I . The proposed development conforms with all requirements of the Humboldt County Zoning Regula tio ns; and

2. The proposed development complies with the terms and conditions of any applicable permit and/or subdivision map that was previously approved for such development; and

3. The proposed development is not located on the same lot where conditions or activities are being conducted which are a part of the proposed development and in violation of the Humboldt County Code, unless the zoning clearance is necessary for the abatement of the existing violation.

Facts

An application has been submitted to the Planning Division to modify a previously approved Zoning Clearance Certificate. The modified project will Retire, Remediate, and Relocate (RRR) the new cultivation entitlement from APN 511-191-003. Per section 55.4.6.7 of Humboldt County Code, the approved ZCC qualifies for a relocation incentive.

A Zoning Clearance (PLN-11618-ZCC) was approved on January 8, 2018 for 10,000 square feet of new cultivation. On May 8, 2018, the Board of Supervisors passed the Commercial Cannabis Land Use Ordinance (CCLUO). The ordinance retroactively required that applications for Zoning Clearance Certificates located in community planning areas meet setback and odor control standards. The ordinance allowed the option for permit holders to request cancellation of the application, and instead be eligible for relocation incentives. A January 13, 2020 letter from the applicant requested to cancel the Zoning Clearance Certificate on the subject parcel and utilize the relocation incentive. A March 5, 2020 letter from PR Professional Services on behalf of the permit holder identified APN 209-331-002 as the receiving site for the cultivation entitlement. The full entitlement of 20,000 SF of cultivation will relocate to Eel River Produc e, LLC on APN 209-331-002. The Relocation Site is being processed concurrently as a separate permit under Record Number PLN-2019-15762.

No cannabis development occurred on the property. The project is therefore not subject to a Cannabis Remediation and Restoration Agreem ent. The owner has executed a restrictive covenant prohibiting future use of the site for c om mercia l cannabis cultivation use.

Determination

It is the determination of the Planning Division that:

IBJ A Zoning Clearance Certificate is ap p ro ved . The terms and responsibilities set forth in the CCLUO shall be satisfied by the Permittee for the life of this clearance.

☐ The Zoning Clearance Certificate application is d enied . The reasons for this denial are set f orlh in

Issued By:

Joh Ford
Director, Planning and Building Department

Date: _ _

COUNTY OF HUMBOLDT
PLANNING AND BUILDING DEPARTMENT
CURRENT PLANNING DIVISION

3015 HStreet Eureka CA 95501 Fax: (707) 268-3792 Phone: (707) 445-7541
http://www.co.humboldt.ea.us/planning/

ZONING CLEARANCE CERTIFICATE

Project: A Zoning Clearance Certificate as a receiving site for 20,000 square feet (SF) of outdoor cannabis cultivation as part of a Retirement, Remediation, and Relocation (RRR)

Project Location: The project is located in the Redcrest area, on the south side of Holmes Flat Road, approximately 1,700 feet west from the intersection of Holmes Flat Road and Tierney Road, on the property known as l 048 Holmes Flat Road.

Present Plan Designations: Agriculture Exclusive (AE), Humboldt County General Plan (GP), Avenues Community Planning Area - Stafford-Redcrest, Density: 20-60 acres per unit, Slope Stability: Low Instability (l)

Present Zoning: Agriculture Exclusive (AE), Floodplain (F)

Record Number: PLN-2020-16332

Assessor Parcel Nµmber: 209-331-002

Applicant	**Owner**	**Agent**
Eel River Produce, LLC	Wyatt Williamson	N/A
4632 Walnut Drive	PO Box 764	
Eureka, CA 95503	Loleta, Ca 95551	

Environmental Review: Consistent with Environmental Impact Report (CEQA Guideline Section 15162).

Findings

Pursuant to Humboldt County Code Section 312-2.4, a Zoning Clearance Certificate shall be approved and issued by the Planning Director if, based on the submitted information provided by the applicant, it is found that:

I. The proposed development is in conformance with the Humboldt County General Plan, Open Space Plan, and the Open Space Action Program; and

2. The proposed development conforms with all requirements of the Humboldt County Zoning Regulations; and

3. The proposed development complies with the terms and conditions of any applicable permit and/or subdivision map that was previously approved for such development; and

4. The proposed development is not located on the sa me lot where conditions or activities are being conducted which are a part of the proposed development and in violation of the Humboldt County Code, unless the zoning clearance is necessary for the abatement of the existing violations

Facts

An application has been submitted to the Planning Division for a Zoning Clearance Certificate for 20,000 square feet of outdoor cannabis cultivation under the Retirement, Restoration and Relocation (RRR) program. This commercial cannabis activity is authorized by Sections 314-55.6.7 and 314-55.4.6.5.9 of the Commercial Cannabis Land Use Ordinance (CCLUO). The application meets the requirements of zoning, size of cultivation area, setbacks from property lines and listed incompatible uses (e.g., schools), and is accompanied by the documentation, plans, descriptions, and agency clearances set forth in the CCLUO. The site is accessed by Holmes Flat Road, a paved centerline-stripe County road. The applicant is required to apply for an encroachment permit.

The retirement site is APN 511-191-013, which was previously approved for a Zoning Clearance (PLN-11618-ZCC) for new cultivation. The retiring parcel is located in the McKinleyville Community Planning area, and as such the owner has elected to cancel the cultivation approval and instead relocate the cultivation entitlement to APN 209-331-002. The Retiring Site is being processed concurrently as a separate ZCC (PLN-2020-16332 RRR).

The 20,000 square feet of RRR cultivation will occur in an agricultural field within native prime agricultural soil. There is 15.3 acres of mapped Prime Agricultural soil. At full buildout, the site is proposing to host 123,200 square feet of cultivation consisting of a Special Permit for 43,200 sq. ft. and four (4) RRR entitlements totaling 80,000 sq. ft. This is less than 20% of the total Prime Agricultural soil on the site, i.e. less than 130,680 sq. ft.). In addition, the site has been approved for a Zoning Clearance Certificate for a 10,000 square foot commercial nursery occurring in four (4) greenhouses (see Record PLN-2019-15762). The RRR cultivation will be full-sun outdoor and achieve a single harvest. Irrigation water is sourced from rainwater catchment collected directly in twenty-four (24) hard tanks with a 120,000 gallon capacity. Cannabis is partially dry-farmed. Estimated annual water use for the total cultivation operation is 160,000 gallons, or 1.3 gallons per square foot, which amounts to 26,000 gallons for the 20,000 sq. ft. of RRR cultivation. Propagation occurs on-site in the proposed commercial nursery greenhouses. Drying and processing occurs off-site. There will be up to fourteen (14) workers during peak seasonal activities. Power is provided by P.G .&E. with a 100% renewable option.

The subject parcel has been determined to be one legal parcel as described in Creation Deeds 1914-06556 (lots 23 and 24 of Recorded Survey recorded in Book 5 of Surveys page 51) and 1924-04595 (exception of lot 23 of Recorded Survey recorded in Book 5 of Surveys page 51). The proposed development is not located on property where one or more violations of the Humboldt County Code exist.

Determination

It is the determination of the Planning Division that:

- [RI A Zoning Clearance Certificate is approved. The terms and responsibilities set forth in the CCLUO shall be satisfied by the Permittee for the life of this clearance.
- ☐ A Provisional Zoning Clearance Certificate is approved subject to the terms of the attached Compliance Agreement. The terms and responsibilities set forth in the CCLUO shall also be satisfied by the Permittee for the life of this clearance.
- ☐ The Zonin Cle ranee Certificate application is denied. The reasons for this denial are set fort 1n t e a ysis above.

;sued By: _____

John H. Ford

Director, Planning and Building Department

Date: J{g(WW

ATTACHMENT 1

CEQA ADDENDUM TO THE FINAL ENVIRONMENTAL IMPACT REPORT FOR THE COMMERCIAL CANNABIS LAND USE ORDINANCE

Commercial Cannabis Land Use Ordinance Final Environmental Impact Report (EIR) (State Clearinghouse # 2017042022), January 2018

APN 209-331-002, 1048 Holmes Flat Road, Redcrest, County ·of Humboldt

Prepared By
Humboldt County Planning and Building Department
3015 H Street, Eureka, CA 95501

July 2020

Background

Project Description and Project History- The Commercial Cannabis Land Use Ordinance (CCLUO) updated the County's existing Commercial Medical Marijuana Land Use Ordinance (Section 313-55.4 and 314-55.4 of Chapter 3 of Division 1 of Title III of the County Code) as well as repeal of the Medical Cannabis Testing and Research Laboratories provisions and on-site consumption prohibition found in Sections 313-55.3.15, 314-55.3.15, 313 55.3.11.7, and 314-55.3.11.7 of Division 1 of Title III of the County Code, respectively. These regulations establish land use regulations for the commercial cultivation, processing, manufacturing, distribution, testing, and sale of cannabis within the County. These regulations were developed in concert with the Final Environmental Impact Report (EIR) that was adopted for the ordinance ih order to implement the mitigation measures of the EIR. The EIR addressed the broad environmental impacts that could be expected to occur from the adoption and implementation of the ordinance. The EIR specified that the regulations established in the CCLUO would mitigate the impacts of existing cannabis operations by establishing regulations for an existing unregulated land use to help prevent and reduce environmental impacts that are known to result from unpermitted baseline cultivation operations. The EIR prepared for the CCLUO also established local land use regulations to allow for continued commercial cannabis operations in the unincorporated area of the County that ensure the health , and safety of residents, employees, County visitors, neighboring property owriers and end users of cannabis. The proposed project is consistent with all regulations within the CCLUO and all mitigation measures of the EIR. Commercial cannabis cultivation in existence as of December 31, 2015, was included in the environmental baseline for the EIR. The current project was contemplated by the EIR and compliance with the provisions of the CCLUO will fully mitigate all environmental impacts of the project to a less than significant level.

The project is for 43,200 square fe-et of new outdoor light deprivation occurring in hoop houses, a 10,000 square foot commercial wholesale nursery occurring in four greenhouses, and 80,000 square feet of full-sun outdoor cultivation relocated to the site through the County's Retirement, Remediation and Relocation (RRR) program. There -are 15.3 acres of mapped Prime Agricultural Soil on the parcel. The cannabis cultivation site is limited to no more than 20% of the total prime ag soil. The project does not exceed the 20% threshold (i.e. is less than 133,294 square feet). The project site is planned Agriculture Exclusive (AE) and Timberland (T). The proposed cultivation activity would occur on the AE portion of the property.

The sole source of irrigation water is rainwater catchment stored in tanks. There will be 120,000 gallons of tank storage on site. An additional 50,000 gallons will be added to meet the needs of the additional relocated cultivation. Cannabis is partially dry-farmed. Annual water use at total build-out for the cultivation areas is estimated at 169,500 gallons. Annual water use for the nursery is estimated at 19,000 gallons. Water meters will be used to quantify irrigation water use.

The subject parcel is accessed via a private driveway directly off Holmes Flat Road, a paved County-maintained road with a centerline stripe. The access road meets the functional equivalency of a Category 4 road and· is suitable for the proposed commercial agriculture activity. A total of seven (7) full-time employees are needed, of which five (5) are associated with the cultivation and two (2) are associated with the nursery. An additional seven (7) temporary workers would be used. The maximum number of people onsite during harvest is fourteen. Twenty four (24) parking spaces are shown on the Site Plan, of which two (2) are ADA compliant, twelve (12) are available for employees, and ten (10) are available for the commercial nursery employees and customers. Power is provided by Pacific Gas and Electric (P.G.&E.). The applicant will purchase 100% renewable electricity through the RePower+ program. Harvested product will be fresh frozen and taken off-site. Processing occurs off-site.

A Biological Reconnaissance, Protocol Level Survey, Wetland Delineation and Invasive Species Management Plan was prepared by Pacific Watershed Associates in July 2019. The report evaluated the site for the presence or potential presence of rare and sensitive plants and wildlife. The biologist determined a high potential for maple-leafed checkerbloom and Northern Spotted Owl. A protocol survey was completed for maple-leafed checkerbloom, and no plants were found. A protocol-level survey was completed for NSO as part of a proposed Timber Harvest Plan. No NSO were found within a 1.3 mile radius of the site. No suitable habitat for Marbled Murrelets was identified on the site. The project does not use supplemental light, and will limit noise to no more than 3 decibels above pre-project ambient noise.

The modified project is consistent with the adopted EIR for the CCLUO because it complies with all standards of the CCLUO which were intended to mitigate for impacts of new cannabis operations. These include complying with County Fire Safe regulations, noise and light attenuation measures to limit disturbance to wildlife, limiting activities to daylight hours (8 am to 5 pm), supplying irrigation water from a non-diversionary.source and electricity from renewable sources.

Purpose - Section 15164 of the California Environmental Quality Act (CEQA) provides that the lead agency shall prepare an addendum to a previously certified Final Environmental Impact Report (EIR) if some changes or additions are necessary but none of the conditions described in Section 15162 calling for a subsequent EIR or Negative Declaration have occurred. Section 15162 states that when an EIR has been certified for a project, no subsequent EIR shall be prepared for that project unless the lead agency determines, on the basis of substantial evidence in the light of the whole record, one or more of the following:

1. Substantial changes are proposed in the project which require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

2. Substantial cl')anges occur with respect to the circumstances under which the project is undert0ken which will require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified signific::dht effects; or

3. New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the Final EIR was certified as complete, shows any of the following: A) the project will have one ormore significant effects not disct..1ssed in the previous Final EIR; BJ significant effect previously examined will be substantially more severe than shown in the Final EIR; C) mitigation measures or alte natives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or DJ mitigation measures or alternatives which are considerably different from those analyzed in the Final EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Summary of Significant Project Effects and Mitigation Recommended

No changes are p'roposed for the Final EIR recommended mitigations. The proposal to authorize 43,200 square feet of new outdoor cannabis cultivation, host the relocation of up to 80,000 square feet of cultivation, and operate a 10,000 square foot commercial nursery is fully consistent with the impacts identified and adequately mitigated in the Final EIR. The project as conditioned to implement responsible agency recommendations, results in no significantly adverse

environmental effects beyond those identified in the Final EIR.

In reviewing the application for consistency with the adopted EIR, the County considered the following information and studies, among other documents:

- Cultivation and Operation Plan received April 14, 2020.
- Site Plan
- Division of Environmental Health Worksheet
- Biological Reconnaissance, Protocol Level Survey, Wetland Delineation and Invasive Species Management Plan prepared by Pacific Watershed Associates in July 2019.
- Erosion Control Plan prepared by Holmgren Associates November 2018
- Botanical Survey Report prepared by Holmgren Associates in July 2019
- Culfural Resource Survey completed by Archaeological Re earch and Supply Company in December 2019.
- Sound Study received May 7, 2020.

Other CEQA Considerations

Staff suggests no changes for the revised project.

EXPLANATION OF DECISION NOT TO PREPARE A SUPPLEMENTAL MITIGATED NEGATIVE DECLARATION OR ENVIRONMENTAL IMPACT REPORT

See **Purpose** statement above.

In every impact category analyzed in this review, the projected consequences of the current project proposal are either the same or less than significantly increased than the initial project for which the EIR was adopted. Based upon this review, the following findings are supported:
FINDINGS

1. The proposed project will permit a new cannabis operation and bring the operation into compliance with county qnd state requirements intended to adequately mitigate environmental impacts.

2. The circumstances under which the project was approved have not changed substantially. There are no new significant environmental effects. and no substantial increases in the severity of previously identified effects.

3. For the current proposed project, there has been no new information of substantial importance, which.was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was adopted as complete.

CONCLUSION

Based on these findings it is concluded that an Addendum to the previous Final EIR is appropriate to address the requirements under CEQA for the current project proposal. All of the findings, mitigation requirements, and mitigation and monitoring program of the EIR, remain in full force and effect on the original project.

COUNTY OF HUMBOLDT

PLANNING AND BUILDING DEPARTMENT
CURRENT PLANNING DIVISION

3015 H Street Eureka CA 95501 Fax: (707) 268-3792 Phone: (707) 445-7541
http://www.co.humboldt.ea.us/planning/

ZONING CLEARANCE CERTIFICATE

Project: A Zoning Clearance Certificate as a receiving site for 20,000 square feet (SF) of outdoor cannabis cultivation as part of a Retirement, Remediation, and Relocation (RRR)

Project Location: The project is located in the Redcrest area, on the south side of Holmes Flat Road, approximately 1,700 feet west from the intersection of Holmes Flat Road and Tierney Road, on the property known as 1048 Holmes Flat Road.

Present Plan Designations: Agricultural Exclusive (AE), Density: Range is 20 to 60 acres per unit; Timberland **(T),** Density: Range is 40 to 160 acres per unit, Avenues Community Planning Area: Stafford-Redcrest, 2017 General Plan, Slope Stability: Low Instability (1 /2).

Present Zoning: Agricultl)ral Exclusive (AE), Flood (F); Timberland Production (TPZ)

Record Number: PLN-13290-SP

Assessor Parcel Number: 209-331-002

Applicant	**Owner**	**Agent**
Eel River Produce, LLC 4632 Walnut Drive Eureka, CA 95503	Wyatt Williamson PO Box 764 Loleta, Ca 95551	N/A

Environmental Review: An Addendum to a previously adopted Mitigated Negative Declaration has been prepared for consideration per CEQA Guideline Section 15164.

Findings

Pursuant to Humboldt County Code Section 312-2.4, a Zoning Clearance Certificate shall be approved and issued by the Planning Director if, based on the submitted information provided by the applicant, it is found that:

1. The proposed development is in conformance with the Humboldt County General Plan, Open Space Plan, and the Open Space Action Program; and

2. The proposed development conforms with all requirements of the Humboldt County Zoning Regulations; and

3. The proposed development complies with the terms and conditions of any applicable permit and/or subdivision map that was previously approved for such development; and

4. The proposed development is not located on the same lot where conditions or activities are being conducted which are a part of the proposed development and in violation of the Humboldt County Code, unless the zoning clearance is necessary for the abatement of the existing violations

Facts

An application has been submitted to the Planning Division for a Zoning Clearance Certificate for 20,000 square feet of outdoor cannabis cultivation under the Retirement, Restoration and Relocation (RRR) program. This commercial cannabis activity is authorized by Sections 314-55.4.14 of the Commercial Medical Marijuana Land Use Ordinance (CMMLUO). The application meets the requirements of zoning, size of cultivation area, setbacks from property lines and listed incompatible uses (e.g., schools), and is accompanied by the documentation, plans, descriptions, and agency clearances set forth in the CMMLUO. The site is accessed by Holm s Flat Road, a paved cehterline-stripe County road. The applicant is required to apply for an encroachment permit.

The Retiring Site APN 104-212-013 is being processed concurrently as a separate ZCC (PLN-13290-ZCC RRR). The retirement site is a 160-acre parcel in the Agriculture Exclusive zone in a Williamson Act Contract. The application meets the eligibility requirements for RRR set forth in the CMMLUO: Existing historiccultivcition p-rio(to January 1, 20i6 wcis 5,000 SF; averOge slopes-greater fhan 15%; and irrigation source was an unpermitted diversion from a creek located on the subject parcel used as an agriculturql diversion.

The 20,000 square f(;:)et of RRR cultivation will occur in an agricultural field within native prime agricultural soil. There is 15.3 acres of mapped Prime Agricultural· soil. At full buildout, the site is proposing to host 123,200 square feet of cuitivation consisting of a Special Permit for 43,200 sq. ft. and fou,r (4) RRR entitlements totaling 80,000 sq. ft. This is less than 20% of the total Prime Agricultural soil on the site, i.e. less than 130,680 sq. ft.). In addition, the site has been approved for a Zoning Clearance Certificate for a 10,000 square foot commercial nursery occurring in four (4) greenhouses (see Record PLN-2019-157 62). The RRR cultivation will be full-sun outdoor and achieve a single harvest. Irrigation water is sourced from rainwater catchment collec.ted directly· in twenty-four (24) hard tanks with a 120,000-gallon capacity. Cannabis is partially dry-farmed. Estimated annual water use for the total cultivation operation is 160,000 gallons, or 1.3 gallons per square foot, which amounts to 26,000 gallons for the 20,000 sq. ft. of RRR cultivation. Propagation occurs on-site in the proposed commercial nursery greenhouses. Drying and processing occurs off-site. There will be up to fourteen (14) workers during peak seasonal activities. Power is provided by P.G.&E. with a 100% renewable option.

The project is subject to satisfactory remediation of the Retirement Site in accordance with the Cannabis Remediation and Restoration Agreement executed for PLN-13290-ZCC RRR.

The subject parcel has been determined to be one legal parcel as described in Creation Deeds 1914-06556 (lots 23 and 24 'of Recorded Survey recorded in Book 5 of Surveys page 51) and 1924-04595 (exception of lot 23 of Recorded Survey recorded in Book 5 of Surveys page 51). The proposed development is not located on property where one or more violations of the Humboldt County Code exist.

Determination

It is the determination of the Planning Division that:

IBJ A Zoning Clearance Certificate is approved. The terms and responsibilities set forth in the CMMLUO shall be satisfied by the Permittee for the life of this clearance.

☐ A Provisional Zoning Clearance Certificate is approved subject to the terms of the attached Compliance Agreement. The terms and responsibilities set forth in the CMMLUO shall also be satisfied by the Permittee for the life of this clearance.

☐ The Zoning Clearance Certificate application is denied. The reasons for this denial are set forth int e al is ab e.

Issued By: _____

John H. **ora**

(Jrett r. Planning and Building Department

Date: _____

ATTACHMENT 1

CEQA ADDENDUM TO THE
MITIGATED NEGATIVE DECLARATION FOR THE COMMERCIAL MEDICIAL MARIJUANA LAND USE ORDINANCE

Commercial Medical Marijuana Land Use Ordinance Mitigated Negative Declaration (MND)
(State Clearinghouse # 2015102005), January 2016

APN .209-331-002, 1048 Holmes Flat Road, Redcrest, County of Humboldt

Prepared By

Humboldt County Planning and Building Department
3015 H Street, Eureka, CA 95501

July 2020

Background

Project Description and Project History - The Commercial Medical Marijuana Land Use Ordinance (CMMLUO) established specific regulations for commercial cannabi operations in Humboldt County. These regulations were'"cieveloped in concert with the Mitigated Negative Declaration (MND) that was adopted for the ordinance in order to implement the mitigation measures of the MND. The MND specified that new cultivation would only be permitted in specific areas that can accommodate the agricultural infrastructure associated with cannabis cultivation and where it can be shown that the operation is meeting rigorous standards that ensure the protection of the environment. One of the specific implementation measures of the CMMLUO to minimize the environmental impacts of existing cannabis operations was to allow for the relocation of existing operations: that do not meet the standards of the ordinance through a Retirement, Remediate, qnc:l_ls.eJo_c::aJi9_n_(isR_R) peogr.a_ro, wberebY' gnexisiiog opercitLonwill be fully restored to_a pre-cannabis condition and relocated onto a site that is environmentally superior. Further, the MND specified.that new cultivation such as RRR's would only be permitted if meeting rigorous standards that ensure the protection of the environment. RRR projects such as this were fully contemplated and analyzed under the MND for the CMMLUO, and compliance with the standards of the ordinance will mitigate for all environmental impacts analyzed under the MND.

The project is for 43,200 square feet of new outdoor light deprivation occurring in hoop houses, a 10,000 square· foot commercial. wholesale nursery occurring in four greenhouses, and 80,000 square feet of full-sun outdoor cultivation relocated to the site through the County's Retirement, Remediation and Relocation (RRR) program. There are 15.3 acres of mapped Prime Agricultural Soil on .the parcel. The cannabis cultivation site is limited to no more than 20% of the total prime ag soil. The project does not exceed the 20% threshold (i.e. is less than 133,294 ?quare feet). The project site is planned Agriculture Exclusive (AE) and Timberland (T). The proposed cultivation activity would occur on the AE portion of the property.

The sole source of irrigation water is rainwater catchment stored in tanks. There will be 120,D_Q0 gallons of tank storage on site. An additional 50,000 gallons will be added to meet the needs of the additional relocated cultivation. Cannabis is partially dry-farmed. Annual water use at total build-out for the cultivation areas is estimated at 169,500 gallons. Annual water use for the nursery is estimated at 19,000 gallons. Water meters will be used to quantify irrigation water use.

The svbject parcel is accessed via a private driveway directly off Holmes Flat Road, a paved County-maintained road with a centerline stripe. The access road meets the functional equivalency of a Category 4 road and is suitable for the proposed commercial agriculture activity. A total of seven (7) full-time employees are needed, of which five (5) are associated with the cultivation and two (2) are associated with the nursery. An additional seven (7) temporary workers would be used. The maximum number of people onsite during harvest is fourteen. Tw.enty four (24) parking spaces are shown on the Site Plan, of which two (2) are ADA compliant, twelve (12) are available for employees, and ten (l 0) are available for the commercial nursery employees and customers. Power is provided by Pacific Gas and Electric (P.G.&E.). The applicant will purchase 100% renewable electricity through the RePower+ program. Harvested product will be fresh frozen and taken off-site. Processing occurs off-site.

A Biological Reconnaissance, Protocol Level Survey, Wetland Delineation and Invasive Species Management Plan was prepared by acific Watershed Associates in July 2019. The report evaluated the site for the presence or potential presence of rare and sensitive plants and wildlife.

The biologist determined a high potential for maple-leafed checkerbloom and Northern Spotted Owl. A protocol survey was completed for maple-leafed checkerbloom, and no plants were found. A protocol-level survey was completed for NSO as part of a proposed Timber Harvest Plan. No NSO were found within a 1.3 mile radius of the site. No suitable habitat for Marbled Murrelets was identified on the site. The project does not use supplemental light, and will limit noise to no more than 3 decibels above pre-project ambient noise.

The modified project is consistent with the adopted MND for the CMMLUO because it complies with all standards of the CMMLUO which were intended to mitigate for impacts of new cultivation. These include complignce with noise and light standards to limit disturbance to wildlife, increased water storage to allow for complete forbearance from water diversion during the dry season, and proper storage of fertilizers and soil amendments.

Purpose Section 15164 of the California Environmental Quality A t (CEQAJ provides that the lead agency shall "prepare an addendum to a previously certified Mitigated Negative Declaration (MNDJ if some changes or additions are necessary but none of the conditions desc:ribed in Section · 15162 calling for a subsequent EIR or Negative Declaration have occurred. Section 15162 states that when an EIR has been certified for a project, no subsequent EIR shall be prepared for that project unless the lead agency determines, on the basis of substantial evidence in the light of the whole record, one or more of the following:

1. Substantial changes are proposed in the project which require major revisions of the previous MND due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

2. Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous MND due to the involvement of new significant environmental effects or a substantial increase in, the severity of previously identified significant effects; or

3. New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous MND was certified

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effects not discussed in the previous MND; BJ significant effect previously examined will be substantially more severe than shown in the previous MND; C) mitigation measures or alternatives previously found not to be feasible would in fact be feqsible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or DJ mitigation measures or alternatives which are considerably different from those analyzed in the previous MND would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Summary of Significant Project Effects and Mitigation Recommended

No changes are proposed for the original MND recommended mitigations. The proposal to authorize 43,200 .square feet of new outdoor cannabis cultivation, host the relocation of up to 80,000 square feet of cultivation, and operate a 10,000 square foot commercial nursery is fully consistent with the impacts identified and adequately mitigated in the MND. The project as conditioned to implement responsible agency recommendations, results in no significantly adverse environmental effects beyond those identified in the original MND.

In reviewing the application for consistency with the adopted MND, the County cohsidered the following information and studies, among other documents:

- Cultivation and Operation Plan received May 12, 2020.
- Site Plan received July 6, 2020
- Division of Environmental Health Worksheet
- Biological Reconnaissance, Protocol Level Survey, Wetland Delineation and Invasive Species Management Plan prepared by Pacific Watershed Associates in July 2019.
- Erosion Control Plan prepared by Holmgren Associates November 2018
- Botanical Survey Report prepared by Holmgren Associates in July 2019
- Cultural Resource Survey completed by Archaeological Research and Supply Company in December 2019.
- Sound Study received May 7, 2020.

Other CrEQA Considerations

_Sfoffs_ugge.sts _no cbgoges for ihe revisedpmject.

EXPLANATION OF DECISION NOT TO PREPARE A SUPPLEMENTAL MITIGATED NEGATIVE DECLARATION OR ENVIRONMENTAL IMPACT REPORT

See **Purpose** statement above.

In every impact category analyzed in this review, the projected consequences of the current project proposal are either the same or less than significantly increased than the initial project for which the MND was adopted. Based upon this review, the following findings are supported:

FINDINGS

1. The proposed project will permit a new cannabis operation and bring the operation into compliance with county and state requirements intended to adequately mitigate environmental impacts.

2. ---- ---Ibe_ci rcum st a □c es._under_ _,_wbicb_tbe_.pr:ojecL_was_appr:o.ved-bave-rioL-cbariged-------- - substantially. There are no new significant environmental effects and no substantial increases in the severity of previously identified effects.

3. For the current propbsed project, there has been no new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous MND was adopted as complete.

CONCLUSION

Based on these findings it is concluded that an Addendum to the certified MND is appropriate to address the requirements under CEQA for the current project proposal. All of the findings, mitigation requirements, and mitigation and monitoring program of theMND, remain in full force and effect on the original project.

COUNTY OF HUMBOLDT
PLANNING AND BUILDING DEPARTMENT
CURRENT PLANNING DIVISION

3015 H Street Eureka CA 95501 Fax: (707) 268-3792 Phone: (707) 445-7541
hnp:// www.co.humboldt.ea.us/planning/

ZONING CLEARANCE CERTIFICATE

Project: A Zoning Clearance Certificate for a retirement site for a Retirement, Remediation, and Relocation (RRR) of 5,000 square feet (SF) of outdoor cannabis cultivation on APN l 04-212-013.

Project Locations: The cultivation site being retired is located on APN l 04-212-013 and a portion of APN 104-202-001 in the Petrolia area, on the north side of Conklin Creek Road, approximately 11.0 miles east from the intersection of Mattole Road and Conklin Creek Road, on the property known to be in the east half of Section 34, Township OI South, Range 01 West.

'Relocation Parcel 209-331-002: The receiving parcel is located in the Redcrest area, on the south side of Holmes Flat Road, approximately 1,700 feet west from the intersection of Holmes Flat Road and Tierney Road, on the property known as 1048 Holmes Flat Road.

Present Plan Designations: Retirement Site APN 104-212-013: Agricultural Grazing (AG); 2017 General Plan; Density: 20-160 acres per unit; Slope Stability: Moderate Instability (2) & High Instability (3)

Relocation Parcel: 209-331-002 Agriculture Exclusive (AE), Density: Range is 20 to 60 acres per unit; Timberland (T), Density: 40 to 160 acres per unit, Avenues Community Planning Area: Stafford-Redcrest, 2017 General Plan, Slope Stability: Low Instability (1) and Moderate Instability (2).

Present Zoning: Retirement Site APN 104-212-013: Agricultural Exclusive (AE); Special Building Site: B-5(160)

Relocation Parcels APN 209-331-002: Agricultural Exclusive (AE), Flood Hazard Area (F); Timberland Production (TPZ)

Record Number: PLN-1329 0-ZCC RRR

Assessor Parcel Numbers: Retirement site: 104-212-013 and a portion of APN 104-202-001; Relocation site: 209-331-002

Applicant	**Owner**	**Agent**
Eel River Produce, LLC Wyatt Williamson PO Box 764 Loleta, CA 95551	Kelton Chambers PO Box 1026 Fortuna, CA 95540	Brittany Massaro PO Box 764 Loleta, CA 95551

Findings

Pursuant to Humboldt County Code Section 312-2.4, a Zoning Clearance Certificate shall be approved and issued by the Planning Director if, based on the submitted information provided by the applicant, it is found that:

1. The proposed development conforms with all requirements of the Humboldt County Zoning Regulations; and

2. The proposed development complies with the terms and conditions of any applicable permit and/or subdivision map that was previously approved for such development; and

3. The proposed development is not located on the same lot where conditions or activities are being conducted which are d part of the proposed development and in violation of the Humboldt County Code, unless the zoning clearance is necessary for the abatement of the existing violation;

Facts

An application has been submitted to the Planning Division for a Zoning Clearance Certificate to Retire, Remediate, and Relocate (RRR) 5,000 SF of outdoor cannabis cultivation area on APN 104-212-013. The application qualifies for relocation of the cultivation area up to four times the area of the existing site, but not larger than 20,000 SF. The full entitlement of 20,000 SF of cultivation will relocate to Eel River Produce, LLC on APN 209-331-002. Remediation activities are described in the Remediation Plan. The Relocation Site is being processed concurrently as a separate certificate (PLN-13290-ZCC).

The project is subject to a Cannabis Remediation and Restoration Agreement. Documentation for the Retirement, Remediation, and Relocation (RRR) project has been submitted in accordance with the CMMLUO which is on file with the Planning Division.

The retirement site is a 160-acre parcel in the Agriculture Exclusive zone in a_Williomson Act Contract. The retirement, remediation and relocation of the exiting commercial cannabis ------a-c-tivityisautnorizea-15y-sectio1-r 12J.-=ss:-2t12n:nseq.,orth-e-cMMttJO-:-TheRetireme,rrsite---------- application meets the eligibility requirements for RRR set forth in the CMMLUO: Existing historic cultivation prior to January 1, 2016 was 5,000 squar feet and was verified by Humboldt County staff in a Cultivation Area Verification; average slopes on the subject parcel are greater than 15%; the irrigation water source was an unpermitted diversion from - a creek located on the subject parcel used as an agricultural diversion.

The historic cultivation site is located in an open meadow area. The vegetation in the area is recovering naturally including within the historic cultivation site. The remediation consists of removal of all_ cultivation mqterial. The fence will remain for livestock grazing management. The remaining work to fulfill the terms of the RRR program are described in the cannabis remediation and restoration agreement (Attachment 1). This includes a site. visit by the County RRR Planner to verify implementation of the restoration plan.

A Remediation Plan has been conditionally approved by the Planning Division. These requirements have been made part of the provisional approval. A Cannabis Remediation and Restoration Agreement has been executed. The owner will execute a restrictive covenant prohibiting future use of the site for commercial cannabis cultivation use.

The subject parcel has been determined to be one legal parcel described as Patent Certificate No. 1626.

Th e p rop ose d retirem en t a nd remediation is located on property where one or more viola tions of the Humboldt County Code exists .

Determination

It is the determination of the Planning Division that:

- ☐ A Zoning Clearance Certificate is approved. The terms and responsibilities set forth in the CCLUO shall be satisfied by the Permittee tor the lite of this clearance.
- IBJ A Provisional Zoning Clearance Certificate is approved. The requirements of the Remediation and Restoration Plan prepared by Mother Earth Engineering received May 12, 2020 mu st be completed and a Cannabis Remediation and Restoration Agreement (Attachment I) exec u ted by the Permittee. Demonstrated progress towards completing these unmet standards will be reviewed at the end of the one-year term of this clearance.
- ☐ The Zoning Clearance Certificate application is denied. The reasons tor this denial are set forth in the analysis ab ove.

Issued By: _____

John H. Ford

Direc or, Planning and Building Department

Date: ·Yqfio ZP

Attachment 1

CANNABIS REMEDIATION AND RESTORATION AGREEMENT
FOR RETIREMENT, REMEDIATION AND RELOCATION PROJECT

'°)'< o\

This Agreement is entered into this,2.__ day of Jv\,v'\.Jl.-; 2020, by and between the County of Humboldt ("County"), **Eel River Produce, LLC** ("Applicant"), and **Kelton Chambers** ("Owners") regarding property located on APN **104-212-013** on the property known to be **in the Petrolia area, on the north side of Conklin Creek Road, approximately 11.0 miles east from the intersection of Mattole Road and Conklin Creek Road, on the property known to be in the east half of Section 34, Township 01 South, Range 01 West. Humboldt Base and Meridian.**

RECITALS

WHEREAS, the purpose of Commercial Medical Marijuana Land Use Ordinance (CMMLUO) is to establlsh land use regulations to, in part, limit and control cannabis cultivation in coordination with state law in order to protect the environment from harm to fish, streams and wildlife and to reduce or eliminate any adverse environmental effects of existing commercial cannabis cultivation activities in the County of Humboldt; and

WHEREAS, in order to incentivize, promote, and encourage the retirement, remediation and relocation ("RRR") of existing cannabis cultlvation occurring in inappropriate or marginal environmentally sensitive sites to relocate to environmentally superior sites, Humboldt County Code Section 314-55.4.6.5.9 establishes specific eligibility requirements and performance standards; and

WHEREAS, pursuant to Humboldt County Code Section 314-55.4.6.5.9 the operator of a qualifying RRR Site must do the following:

1) prepare a remediation plan for the full environmental remediation of the RRR Site, including removal of all cultivation related materials, equipment and improvements, regrading to preexisting contours, reseeding with native vegetation, reforestation, and habitat restoration, as determined to be appropriate by the County.
2) execute an agreement to complete the work specified in the remediation plan within twelve (12) months; and
3) post a bond in a sufficient amount that will allow the County to contract to complete the work specified in the plan in the event that the operator of the RRR Site fails to do so; and

WHEREAS, Applicant and Owner acknowledge that remediation of the RRR Site will require the completion of the remediation plan measures as more fully described in Exhibit A to this Agreement. Failure to perform the remediation work as approved by the County within the specified one (1) year time frame would constitute noncompliance with the County Code and this Agreement; and

WHEREAS, the Applicant and Owner agree that a code enforcement action pursuant to HCC Sections 351-1 et seq., 2131-1 et seq., 2121-1 et seq., and any other applicable county or state law or regulation shall become active if the terms of this Agreement are not fulfilled.

NOW, THEREFORE, in consideration of the faithful performance of the terms, conditions, and promises set forth in this Agreement, the Parties agree as follows:

1. Fulfillment of Remediation and Restoration Work does not make Property Eligible for Unconditional Certificate of Subdivision Compliance. For the real property known as APN **104-212-013,** the Applicant and Owner acknowledge that nothing in this Agreement entitles the Applicant, Owner, or Successors in Interest to an unconditional certificate of subdivision compliance pursuant to Government Section Code Sections 66418.1 or 66499.34. Further, this agreement does not authorize or grant any approval for development or improvement of the property. The property has not been evaluated for suitability for development in QCcordance with existing or future regulations.

2. Acknowledgment of Violations. Applicant, Owner, and County acknowledge and agree that there are existing violations of the Humboldt County Code relating to the prior cannabis cultivation activity on the property APN **104-212-013** on the property known to be **In the Petrolia area, on the north side of Conklin Creek Road, approximately 11.0 miles east from the intersection of Mattole Road and Conklin Creek Road, on the property known to be In the east half of Section 34, Township 01 South, Range 01 West..**

3. The violations associated with prior cannabis cultivation activity consist of but are not limited to a diversion of surface water to support agricultural irrigation, and other cannabis cultivation activities not conducted pursuant to a building permit or waiver.

4. Remedy for the Violations. The Parties agree that to cure the violations on the property, owner and Applicant must undertake the remediation activities and schedule described in Exhibit A.

5. Consent to Inspection. Owner and Applicant consent to all inspections of the property as needed, at any time during business hours from Monday to Friday, while · this·Agreement·1s-·ineffect;-b7-me--ccsaeH'fforcemenfUni[l)ivisioti of Environmental Health, Planning and Building, and any other agencies or departments that may need to inspect the property to determine that the terms of this Agreement are being fulfilied.

6. Time Limit to Cure the Violations. The Parties agree that the Owner and Applicant will cure the existing violations through full environmental remediation of the cultivation-related development in accordance with the approved Remediation Plan at the earliest feasible date, but in no event more than one (1) year of issuance of a provisional clearance or permit. The time to cure the violations may be extended upon request by Owner and Applicant if approved in writing after due consideration and a finding of good cause by the Director. Furthermore, Owner and Applicant may be required to submit monitoring reports for the remediation work to the Planning Director at such intervals as directed in Exhibit A.

7. Failure to Cure the Violations. The Parties agree that if the Owner and Applicant fail to cure the violations on the property within the prescribed time llmit, and no extension is granted by the Director, then the code enforcement file will become active, and the County shall pursue all legal and administrative remedies against the Owner and

8. Applicant, as allowed by local and state law, to ensure that the violations on the property are cured.

9. Termination. The Parties agree that once Owner and Applicant have cured the violations on the property and the County, after inspecting the property, agrees in writing that all violations on the property are cured, then this Agreement shall terminate.

10. Lawful Construction. All repair, construction and reconstruction on the property shall be done in accordance with all applicable County and state codes, laws, and regulations. Owner and Applicant agree that they shall obtain the necessary permits PRIOR to any repair, construction or reconstruction of the property.

11. Waiver. The failure of the County to proceed against the Property Owners in an enforcement action, whether administrative, civil or criminal, for any violation of the applicable ordinance, this Agreement or state or local law shall not constitute or be deemed a waiver of the County's right to proceed against Owner and/or Applicant for any subsequent violation. Nothing in this Agreement shall limit in any manner the authority of the County to apply and/or enforce any provisions of the County's code or state law to the Owner and Applicant and activities occurring on the property.

12. Notices. All notices required by this Agreement shall be sent, at a minimum, via first class United States Mail with postage prepared to the Parties as follows:

To County:
Director, Planning and Building Department
3015 H Street
Eureka, CA 95501

To Property Owner:
Kelton Chambers
- po-sox-1026
Fortuna, CA 95540

To Applicant:
Eel River Produce, LLC
Wyatt Williamson
PO Box 764
Loleta, CA 95551

Notices shall be deemed served upon deposit in the United States mail.

13. Indemnification. Owner and Applicant shall indemnify, defend and hold harmless the County, its officers, agents and employees from and against any and all claims or suits for damages or injury arising from the issuance of building or other permits for the property located at APN **104-212-013** known to be **in the Petrolia area, on the north side of Conklin Creek Road, approximately 11.0 miles east from the intersection of Mattole Road and Conklin Creek Road, on the property known to be in the east half of Section 34, Township 01 South, Range 0·1 West..** Compliance with or failure to abide by the building permit or the terms of this Agreement, and against and from all costs,

Exhibit A

List of Measures to Achieve Compliance

1. Within 90 days of the date of this agreement, the applicant shall return original notarized agreement to the Planning and Building Department.

   Date completed:_____ Verified by:_____

2. The applicant or their agent shall submit to the Planning Department a report documenting all remediation work has been completed according to the approved Remediation Plan and the condition{s) listed above.

   Date completed:_____ Verified by:_____

3. The r'emediation area shall be monitored for two years following completion of the restoration work, including two winters to determine if remediation treatments are functioning as planned. The Applicant or their agent shall submit a monitoring report after each year of monitoring. Any loss of planted vegetation, signs of excessive erosion, soil rilling or gullying on slopes or roads may Indicate additional treatments are needed to fulfil the remediation plan.

   Date completed:_____ Verified by;._____

4. A final effectiveness report shall be provided to the Planning Department at the end of the monitoring period showing all remediation work has been successful.

   Date completed:_____ Verified by:_,..:.-_____

PREEXISTING CULTIVATION DOCUMENTATION
APPLICANT: KELTON CHAMBERS

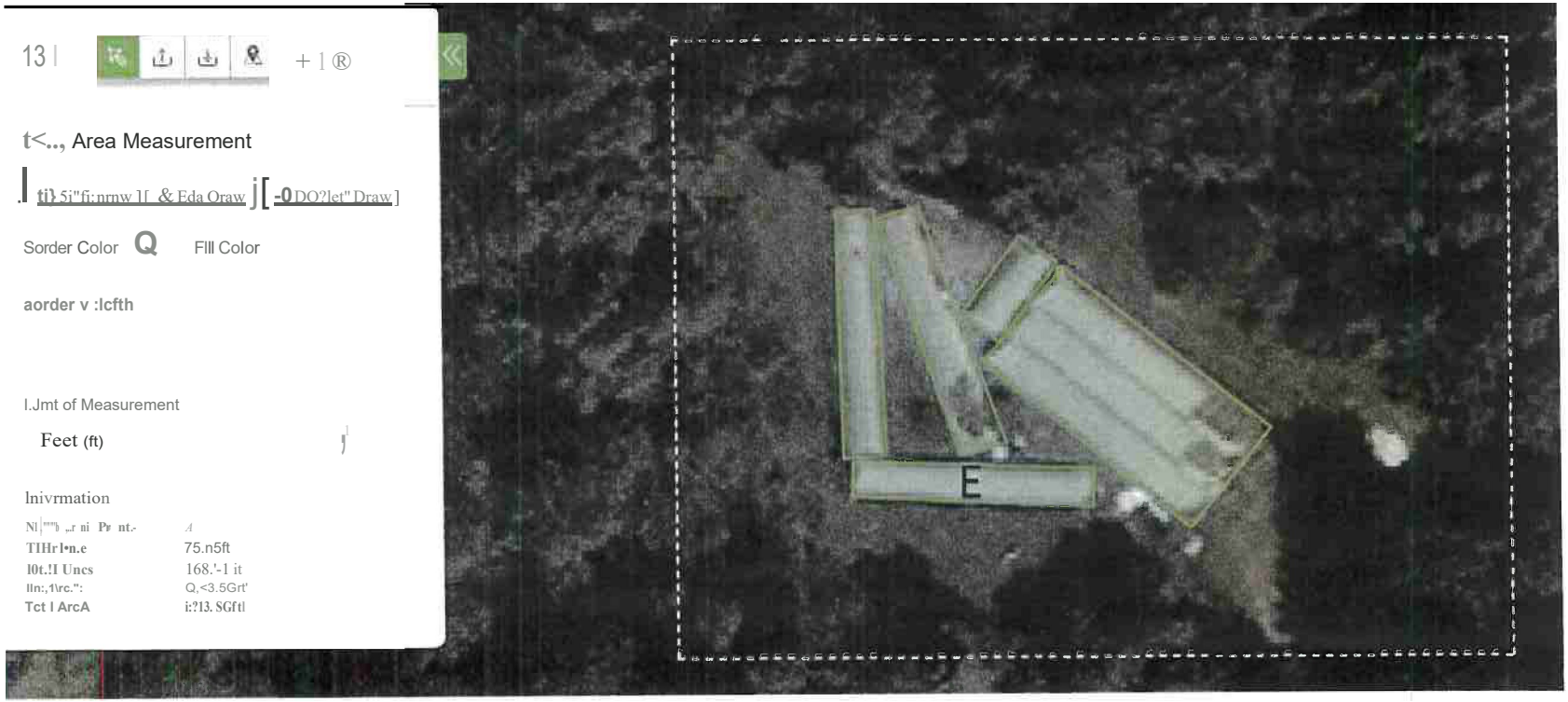
APN: 104-212-013

AREA D APPROX 3500 SQFT

PREEXIST ING CULTIVATION DOCUMENTATION

APPLICANT: KELTON CHAMBERS **APN:** 104-212-013

AREA E APPROX 943 SQ FT



Record.Ing Requested by:
County of Humboldt
Return to:
Planning & Buildil'.'lg Department
3015 H Street
Eureka, CA 95501-4484

COVENANT TO RESTRICT USE OF PROPERTY
CANNABIS CULTIVATION RESTRICTION

3r-d

This Covenant is entered into this ·_ day of Jv\ , 2020 by and be1ween the County of Humboldt ("County") and **Kelton Chambers,** ("Owner") regarding property located in Humboldt County, California identified as Assessor Parcel Number **104-212-013** further described in Exhibit A attached hereto ("Property").

ARTICLE I: RECITALS

WHEREAS, in order to incentivize, promote, and encourage the retirement, remediation and relocation ("RRR") of existing cannabis cultivation occurring in inappropriate or marginal environmentally sensitive sites to relocate to environmentally superior sites, Humboldt County Code Section 55.4.14 establishes specific requirements.

WHEREAS, operators of RRR Sites shall be eligible to receive a Zoning Clearance Certificate for commercial cultivation of medical marijuana on an eligible relocation site, for an area up to four times the area of the previously existing RRR Site **(PLN-13290-SP).**

WHEREAS, in order to receive the benefits specified in Section 55.4.14.3, the operator of a RRR Site shall prepare a plan for the full environmental remediation of the RRR Site. The operator shall execute an agreement to complete the work specified in the remediation plan within twelve (12) months, and shall post a bond in a sufficient amount that will allow the County to contract to complete the work specified in the plan in the event that the operator of the RRR Site fails to do so.

WHEREAS, the Code further requires in Section 55.4.14.4 the operator or the record property owner of the RRR Site to record a covenant executed by the property owner not to cultivate marijuana or disturb the remediation area on the subject property in perpetuity, with an enforcement clause that in the event that the covenant is violated, the County of Humboldt, shall on motion in Superior Court, be entitled to an immediate lien on the property in the amount necessary to remediate the property, but in no event less than the sum of $50,000.00. In the event that that the covenant is violated and the operator of the RRR Site retains any interest in the former RRR Site property, all permits for operation of the replacement RRR Site shall be terminated.

WHEREAS, this Covenant sets forth terms, conditions, and restrictions that run with the land, passes with each and every portion of the Property, is enforceable by the County and is imposed upon the entire Property unless expressly stated as applicable only to a specific portion thereof.

ARTICLE II: RESTRICTIONS

NOW, THEREFORE, in consideration of the faithful performance of the terms and conditions set forth in this Covenant, the Owner agrees to the following restrictions:

1. The Property shall not be used for commercial cannabis cultivation.

2. Owner shall not disturb those portions of the property identified in the remediation plans as remediated areas. The term "disturb" includes, but is not limited to, the following activities: grading, logging, grazing, building, filling, excavating, or drilling.

3. Owner retains all rights to utilize property in any other lawful manner, except for commercial cannabis cultivation.

ARTICLE III: TERMS AND ENFORCEMENT

1. This Covenant shall run with the land in perpetuity and is binding on all heirs, successors and assigns.

2. The restrictions set forth herein shall be incorporated by reference in each and all deeds and leases for any portion of the Property.

3. Nothing herein nor any activity associated contained in the Remediation Plan constitutes development for the purposes of Government Code Sections 66418.1 or 66499.34 and shall not entitle the Owner or Successors in interest to an unconditional certificate of subdivision compliance pursuant to Government Code Section 66499.35(c).

4. The County may enter the property at reasonable times with reasonable notice in order to monitor compliance with this Covenant unless immediate entry is required to prevent, terminate, or mitigate a violation of this Covenant, in which case notice shall not be required.

5. Failure of the Owner to comply with any of the restrictions enumerated herein shall be grounds for the County to require Owner to modify, remove, or restore any structures, improvements, equipment, or features constructed, altered, or placed on any portion of the Property in contravention of the remediation plan as necessary to correct violations of this Covenant.

6. Violations of the restrictions enumerated herein shall be grounds for the County to file, in the Superior Court of California, for an immediate lien on the property in the amount necessary to remediate the property, but in no event less than the sum of fifty thousand dollars ($50,000).

IN WITNESS WHEREOF, the parties hereto execut e this Covenant

COUNTY

By _____

John . For , D1 ector

Coun y of Humboldt Planning and Building Department

CERTIF!CATE OF ACKNOWLEDGMENT

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 OFHUMBOLDT }

On this 10 day of July 2020, before me, Notary Public, personally appeared **John H. Ford** who proved to me on the basis of satisfactory evide ce to be the person whose name is sub scribed to the within instrument and acknowl edged to me that he executed the same in his authorized capacity, and that by his signature on behalf of which the person acted, executed the instrument.

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

Witness my hand and official seal.

Signature (seal)

ROBERT LEROY RUSSELL JR.
Notary Public - California
Humboldt County
Commission # 2172490
My Comm. Expires Nov 18, 2020

OWNERS

Signatories hereby represent that they are the owners of record of the real properties described in the attached EXHIBIT A:

If___--

NAME & SIGNATURE Keith Chambers

NAME & SIGNATURE Michal Lentz

NAME & SIGNATURE Wyatt Williamson

NAME & SIGNATURE

CERTIFICATE OF ACKNOWLEDGMENT

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 HUMBOLDT

On this S ti_ day of _j_..;...\. ;\,_v_\._L___ 201!}_, before me, _b (L___ _ _:_c ss°'-v_O

Notary Public, personally appeared ill(fV(\ Cl-114n 8-e'r\ tYhOuul._ Ji(¼ uJ[1>H \\\11C\1"'/\Si\L who proved to me on the basis of satisfactory evidence to be the person(hose alsPis/ara:-subscribed to the within instrument and acknowle 9Jed to me that .h'efs executed the same in }{isfp{ i<hIJei authorized capacit'§].J? and that by pi eJ tieir signatur /on the instrument the perso r@ , or the entity upon behalf of which the persofl® cted, executed the inst rument .

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

Witn ess my hand an d off icial seal.

(Seal)

Signature\...... / \._J

BRITT MASSARO
Notary Public - California
Humboldt County
Commission # 2284715
My Comm. Expires Apr 8, 2023

EXHIBIT A
PROPERTY DESCRIPTION

That real property, situate in the County of Humboldt, State of California, described as follows:

EHNE and NESE Section 34 along with NWSW Section 35, Humboldt Meridian

APN: 104-212-013

COUNTY OF HUMBOLDT
PLANNING AND BUILDING D E P A RT M E N T
CURRENT PLANNING DIVISION

3015 H Street Eureka CA 95501 Fax: (707) 268-3792 Phone: (707) 445-7541
http:/ / www.co.humboldt.ea.us/ planning/

ZONING CLEARANCE CERTIFICATE

Project: A Zoning Clearance Certificate fo r a retirement site for a Retirement, Remediation, and Relocation (RRR) of 9,970 square feet (SF) of mixed -light cannabis cultivation on APN 522-025-005.

Project Locations: The cultivation site being retired is located on APN 522-025-005 in the Willow Creek area, on the west sid e of Old Three Creeks Road, ap proximately 7.75 miles north from the intersection of Old Three Creeks Road and State Highway 299, on the property known to be in the southern half of the northwest quarter, and the northern half of the southwest quarter of Section 20 of Township 07 North , Range 04 East, Humboldt Base & Meridian.

Relocation Parcel 209-331-002: The receiving parcel is located in the Redcrest area, on the south side of Holmes Flat Road, approximately 1,700 feet west from the intersection of Holmes Flat Road and Tierney Road, on the property known as 1048 Holmes Flat Road.

Present Plan Designations: Retirement Site APN 522-025-005: Timberland (T), Density: Range is 40 to 160 acres per unit, 2017 General Plan, Slope Sta bi lity: Moderate Instability (2) .

Relocation Parcel: 209-331-002 Agriculture Exc lusi ve (AE), Densit y: Range is 20 to 60 acres per unit; Timberland [T), Density: 40 to 160 acres per unit, Avenues Com mun ity Planning Area: Stafford-Redcrest, 2017 General Plan , Slope Sta b ility: Low Instability (1) and Moderate Instability (2).

Present Zoning: Retirement Site APN 522-025-005: Timberland Production (TPZ)

Relocation Parcels APN 209-331-002: Agricultural Excl usi ve [AE), Flood Hazard Area (F): Timberland Production (TPZ)

Record Number: PLN-2019-15674 RRR

Assessor Parcel Numbers: Retirement site: 522-025-005; Relocation site : 209-331-002

Applicant	**Owner**	**Agent**
Eel River Produc e, LLC Wyatt Williamson PO Bo x 764 Loleta, CA 95551	Bradford C & Tandy Lynn Floyd 1125 Redmond Road Eureka , CA 95503	N/A

Environmental Review: An Addendum to a previously adopted Environmental Impact Report has been prepared for the receiving site per § 15164 of CEQA Guid elines.

Findings

Pursuant to Humboldt County Code Section 312-2.4, a Zoning Clearance Certificate shall be approved and issued by the Planning Director if, based on the submitted information provided by the applicant, it is found that:

1. The proposed development is in conformance with the Humboldt County General Plan, the Open Space Plan, and the Open Space Action Program; and

2. The proposed development conforms with all requirements of the Humboldt County Zoning Regulations; and

3. The proposed development complies with the terms and conditions of any applicable permit and/or subdivision map that was previously approved for such development; and

4. The proposed development is not located on the same lot where conditions or activities are being conducted which are a part of the proposed development and in violation of the Humboldt County Code, unless the zoning clearance is necessary for the abatement of the existing violation.

Facts

An application has been submitted to the Planning Division for a Zoning Clearance Certificate to Retire, Remediate, and Relocate (RRR) 9,970 SF of mixed-light cannabis cultivation area on APN 522-025-005. The application qualifies for relocation of the cultivation area up to four times the area of the existing site, but not larger than 20,000 SF. The full entitlement of 20,000 SF of cultivation will relocate to Eel River Produce, LLC on APN 209-331-002. Remediation activities are described in the Remediation Plan. The Relocation Site is being processed concurrently as a separate permit (PLN-2019-15762).

The project is subject to a Cannabis Remediation and Restoration Agreement. Documentation for the Retirement, Remediation, and Relocation (RRR) project has been submitted in accordance -----w 1tffTneCCUJO wnfcfils onlile with the Planning Division.

The retirement site is a 160-acre parcel in the Timber Production Zone. The retirement, remediation and relocation of the exiting commercial cannabis activity is authorized by Section 314-55.4.6.5.9 et seq., of the CCLUO. APN 522-025-005 (Retirement Site) is to be relocated to APN 209-331-002 (Relocation Site) as 20,000 square feet of cannabis cultivation. The Retirement Site is located within the headwaters of Supply Creek which provides a portion of the Hoopa Valley Tribe's water source and is culturally significant to them. The site was issued a "Notice to Abate Nuisance" and a Restoration Plan was developed and completed in 2018. Restoration activities included the removal of all cultivation related materials, containment of non-native soil with waddles to prevent erosion into the natural environmental, reseeding all disturbed areas with native grass and permitting of a storage building._Senior RRR Planner Steve Cannata visited the site and verified the restoration work had been satisfactor_ily completed. The cultivation sites were created legally either as part of a prior timber harvest or with a Less Thon 3 Acre Conversion Exemption (1-14EX-127-HUM) and are not required to be recontoured back to pre-existing conditions. The remaining work to fulfill the terms of the RRR program is erosion control monitoring and a final effectiveness report described in the cannabis remediation and restoration agreement (Attachment 1).

A Remediation Plan has been conditionally approved by the Planning Division. These requirements have been made part of the provisional approval. A Cannabis Remediation and Restoration Agreement has been executed. The owner will execute a restrictive covenant prohibiting future

use of the site for commercial cannabis cultivation use.

The subject parcel has been determined to be one legal parcel described as the S I /2 OF NW 1 /4 & N 1 /2 OF SW 1 /4 SEC 20T7NR4E.

The proposed retirement and remediation is located on property where one or more violations of the Humboldt County Code exists.

Determination

It is the determination of the Planning Division that:

- ☐ A Zoning Clearance Certificate is approved. The terms and responsibilities set forth in the CCLUO shall be satisfied by the Permittee for the life of this clearance.
- [R] A Provisional Zoning Clearance Certificate is approved. The requirements of the Remediation and Restoration Plan prepared by True Timber received June 28, 2019 must be completed and a Cannabis Remediation and Restoration Agreement (Attachment 1) executed by the Permittee. Demonstrated progress towards completing these unmet standards will be reviewed at the end of the one-year term of this clearance.
- ☐ The Zoning Clearance Certificate application is denied. The reasons for this denial are set forth in t analysis above.

ssued By: _____

John H. Ford

Direc or, Planning and Building Department

Date: _____

Attachment 1

CANNABIS REMEDIATION AND RESTORATION AGREEMENT
FOR RETIREMENT, REMEDIATION AND RELOCATION PROJECT

This Agreement is entered into this 7J day of JIA-V'L- , 2020, by and between the County of Humboldt ("County"), **Eel River Produce, LLC** ("Applicant"), and **Bradford Floyd and Tandy Lynn Floyd** ("Owners") regarding property located on APN ***522-025-005*** on the property known to be **in the Willow Creek area, on the west side of Old Three Creeks Road, approximately *7.75* miles north from the intersection of Old Three Creeks Road and State Highway 299, on the property known to be In the southern half of the northwest quarter, and the northern half of the southwest quarter of Section 20 of Township 07 North, Range 04 East, Humboldt Base and Meridian.**

RECITALS

WHEREAS, the purpose of Commercial Medical Marijuana Land Use Ordinance (CMMLUO) is to establish land use. regulations to, in part, limit and control cannabis cultivation in coordination with state law in order to protect the environment from harm to fish, streams and wildlife and to reduce or eliminate any adverse environmental effects of existing commercial cannabis cultivation activities in the County of Humboldt; and

WHEREAS, in order to incentivize, promote, and encourage the retirement, remediation and relocation ("RRR") of existing cannabis clJltivation occurring in inappropriate or marginal environmentally sensitive sites to relocate to environmentally superior sites, Humboldt County Code Section 314-55.4.6.5.9 establishes specific eligibility requirements and performance standards; and

WHEREAS, pursuant to Humboldt County Code Section 314-55.4.6.5.9 the operator of a qualifying RRR Site must do the following:

1) prepare a remediation plan for the full environmental remediation of the RRR Site, including removal of all cultivation related materials, equipment and improvements, regrading to preexisting contours, reseeding with native vegetation, reforestation, and habitat restoration, as determined to be appropriate by the County.
2) execute an agreement to complete the work specified in the remediation plan within twelve (12) months; and
3) post a bond in a sufficient amount that will allow the County to contract to complete the work specified in the plan in the event that the operator of the RRR Site fails to do so; and

WHEREAS, Applicant and Owner acknowledge that remediation of the RRR Site will require the completion of the remediation plan measures as more fully described in Exhibit A to this Agreement. Failure to perform the remediation work as approved by the County within the specified one (1) year time frame would constitute noncompliance with the County Code and this Agreement; and

WHEREAS, the Applicant and Owner agree that a code enforcement action pursuant to HCC Sections 351-1 et seq., 2131-1 et seq., 2121-1 et seq., and any other applicable

county or state law or regulation shall become active if the terms of this Agreement are not fulfilled.

NOW, THEREFORE, in consideration of the faithful performance of the terms, conditions, and promises set forth in this Agreement, the Parties agree as follows:

1. Fulfillment of Remediation and Restoration Work does not make Property Eligible for Unconditional Certificate of Subdivision Compliance. For the real property known as APN **522-025-005,** the Applicant and Owner acknowledge that nothing in this Agreement entitles the Applicant, Owner, or Successors in Interest to an unconditional certificate of subdivision compliance pursuant to Government Section Code Sections 66418.1 or 66499.34. Further, this agreement does not authorize or grant any approval for development or improvement of the property. The property has not been evaluated for suitability for development in accordance with existing or future regulations.

2. Acknowledgment of Violations. Applicant, Owner, and County acknowledge and agree that there are existing violations of the Humboldt County Code relating to the prior cannabis cultivation activity on the property APN **522-025-005** on the property known to be in **the Willow Creek area, on the west side of Old Three Creeks Road, approximately 7.75 miles north from the intersection of Old Three Creeks Road and State Highway 299, on the property known to be in the southern half of the northwest quarter, and the northern half of the southwest quarter of Section 20 of Township 07 North, Range 04 East.**

3. The violations associated with prior cannabis cultivation activity consist of but are not limited to a diversion of surface water to support agricultural irrigation, and other cannabis cultivation activities not conducted pursuant to a building permit or waiver.

4. Remedy for the Violations. The Parties agree that to cure the violations on the property, owner and Applicant must undertake the remediation activities and schedule described in Exhibit A.

5. Consent to Inspection. Owner and Applicant consent to all inspections of the property as needed, at any time during business hours from Monday to Friday, while this Agreement is in effect, by the Code Enforcement Unit, Division of Environmental Health, Planning and Buildihg, and any other agencies or departments that may need to inspect the property to determine that the terms of this Agreement are being fulfilled.

6. Time Limit to Cure the Violations. The Parties agree that the Owner and Applicant will cure the existing violations through full environmental remediation of the cultivation related development in accordance with the approved Remediation Plan at the earliest feasible date, but in no event more than one (1) year of issuance of a provisional clearance or permit. The time to cure the violations may be extended upon request by Owner and Applicant if approved in writing after due consideration and a finding of good cause by the Director. Furthermore, Owner and Applicant may be required to submit monitoring reports for the remediation work to the Planning Director at such intervals as directed in Exhibit A.

7. Failure to Cure the Violations. The Parties agree that if the Owner and Applicant fail to cure the violations on the property within the prescribed time limit, and no

extension is granted by the Director, then the code enforcement file will become active, and the County shall pursue all legal and administrative remedies against the Owner and

8. Applicant, as allowed by local and state law, to ensure that the violations on the property are cured.

9. Termination. The Parties agree that once Owner and Applicant have cured the violations on the property and the County, after inspecting the property, agrees in writing that all violations on the property are cured, then this Agreement shall terminate.

I 0. Lawful Construction. All repair, construction and reconstruction ori the property shall be done in accordance with all applicable County and state codes, laws, and regulations. Owner and Applicant agree that they shall obtain the necessary permits PRIOR to any repair, construction or reconstruction of the property.

11. Waiver. The failure of the County to proceed against the Property Owners in an enforcement action, whether administrative, civil or criminal, for any violation of the applicable ordinance, this Agreement or state or local law shall not constitute or be deemed a waiver of the County's right to proceed against Owner and/or Applicant for any subsequent violation. Nothing in this Agreement shall limit in any manner the authority of the County to apply and/or enforce any provisions of the County's code or state law to the Owner and Applicant and activities occurring on the property.

12. Notices. All notices required by this Agreement shall be sent, at a minimum, via first class United States Mail with postage prepared to the Parties as follows:

To County:
Director, Planning and Building Department
3015 H Street
Eureka, CA 95501

To Property Owner:
Bradford C & Tandy Lynn Floyd
1125 Redmond Road
Eureka, CA 9550.3

To Applicant:
Eel River Produce, LLC
Wyatt Williamson
PO Box 764
Loleta, CA 95551

Notices shall be deemed served upon deposit in the United States mail.

13. Indemnification. Owner and Applicant shall indemnify, defend and hold harmless the County, its officers, agents and employees from and against any and all claims or suits for. damages or injury arising from the issuance of building or other permits for the property located at APN **522-025-005** known to **be in the Willow Creek area, on the west side of Old Three Creeks Road, approximately 7.75 miles north from the intersection of Old Three Creeks Road and State Highway 299, on the property known**

to be in the southern half of the northwest quarter, and the northern half of the southwest quarter of Section 20 of Township 07 North, Range 04 East. Compliance with or failure to abide by the building permit or the terms of this Agreement, and against and from all costs, attorney's fees, expenses and liabilities related to any claim or any action or proceeding brought within the scope of this indemnification.

14. Binding on Successors. This Agreement is binding on the heirs, successors and assigns of the Pa rties. In the event of a permit transfer, a new compliance agreement must be exec uted . In the event of property transfer, the Seller and Applicant have an affirmative duty to inform the Buye r of this Compliance Agreement. Seller and Applicant must also provide written proof of Buyer ,notification to the County.

15. Amendment. This Agreement may be amended, modified or changed by the Parties provided that said amendment, modification or change is in writing and approved by all Parties.

1 6. Entire Agreement. This Agreement contains the entire agreement between the Parties and all prior or contemporaneous agreements, understandings, representations and statements, oral or written, are superseded by this Agreement.

17. Se verab ility. If any term, provision, pro mise or condition of this Agreement is held by a court with jurisdiction to decide on the matter to be invalid, void or unenforceable, the remaining provisions of this Agreement shall continue in full force and effe ct, unless the rights and obligations of the parties have been materially altered or abridged by such invalidation, voiding or unenforceability.

18. Jurisdiction and venue. This Agreement shall be construed in accordance with the laws of the State of California . Any dispute arising hereunder, or relating hereto, shall be litigated in the State of California and venue shall lie in the County of Humboldt unless transferred by court order pursuant to California Code of Civil Procedure Sections 394 or 395.

This Agreement is entered into between the Parties as of the day and year first written above.

TWO SIGNATURES ARE REQUIRED FOR CORPORATIONS:
(l) CHAIRPERSON OF **THE** BOARD, PRESIDENT, OR VICE PRESIDENT; AND
(2) SEC RET ARY, ASSISTANT SECRET ARY, CHIEF FINANCIAL OFFICER OR TRE ASURER .

C oun t

ohn H. Ford, Director
Ian
n H. Ford, irector
Planning and Building Department
County of Humboldt

CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

October 28, 2015

In Reply Refer to:
TC:**S025256**

Derek Sammons
c/o Hollie Hall
P.O. BOX 5306
Arcata, CA 95518

Diverter of Record: **Derek Sammons**

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The State Water Resources Control Board i
Initial Statement of Water Diversion and Us
site named **Unnamed Diversion**. This lett
processed the Statement related to you
identification number **S025256**. This nu
the Division regarding the Statement.

NT{'F'LEAsfi:'

Beginning January 2016 and every year there after you will be required to file an on-line Supplemental Statement of Water Diversion and Use Report (Supplemental Statement). The Division will **NOT** notify you when the supplemental statement is due. If you would like to be notified when reporting is due and other reporting related material, please subscribe to our Lyris list (Water Rights Reporting Notification) at:

http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml

All reports must be complete online through the Board's Report Management System (RMS).

To report online, go to www.waterboards.c
The information required to login and acces

User ID (Stat
Password (

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HUMBOLDT COUNTY
PLANNING AND BUILDING DEPARTMENT ~ BUILDING
3015 H STREET, EUREKA, CA 9550 1 - PHONE (707) 445-7245

RECEIVED
Division Jun 20\9
Humboldt County
Planning Division

PRE-SITE INVESTIGATION FORM

THIS IS NOT A PERMIT DOCUMENT

APPLICANT INFORMATION | **OWNER'S NAME AND MAILING ADDRESS**

Name True Timber Lie Co | Name True Timber Lie Co E-mail dereksammonsl2@gmail.com
Address 1 c/o Derek Sammons Address 2 32882 Sylvan Ave | Address 1 c/o Derek Sammons Address 2 32882 Sylvan Ave
City Barstow State CA Zip 92311 | City Barstow State CA Zip 92311

SITE INFORMATION

Parcel Number 522-025-005-000 Application Number 46351
Street Address City State Zip
MS4 Reporting Area No Project Threat

PRESITE INVESTIGATION

Project is already started	Yes	AOB Inspection	Yes
Soil report Is required due to	Not required	Project appears to be within wet area	None
Project is in flood zone A per	No	FIRM panel number	
Flood elevation certificate required	No	Is 2nd Flood Certificate Required?	No
Plans stamped by a licensed person required	No	SRA requirements apply	No
SRA water storage requirements apply	No	Lot created prior to 1992	
Appr. SRA reg. need to be shown on plot plan	No	Plot plan incomplete, must be revised	No
Driveway slope appears to be	Under 16%	Submit engineered foundation for	None
Grading permit required	No	Applicant must locate property lines	NO
Incomplete submittal Construction Plan	Yes, see exp\. below Erosion and sediment control measures req. None		
Other concerns exist	No		

NOTES

When ;J•::rm1't is is ;ued a,1d forms vre set/ •! r• c ted, ca ll :or sd b{}Ck ins pec tio n!

Inspector Notes

Prn site
5·7-18
db
- submit as built electrical certification
  show wood stove on floor plan
- show all structures on plot plan, identif, tfie ir use and note the ir size
- show water tanks on plat plan, Indicate size and use

6·5-18
db
- submit as bllilt electrical certification
- show wood stove an floor pion
- Plot plan appears accurate at this time

QUESTIONS? Please contact the County of Humboldt Building Division
PHONE: (707) 445-7245 **FAX :** (707) 445-7446

COUNTY OF HUMBOLDT
PLANNING AND BUILDING DEPARTMENT
CURRENT PLANNING DIVISION

3015 H Street Eureka CA 95501 Fax: (707) 268-3792 Phone: (707) 445-7541
http:/ / www.co.humboldt.ea.us/ planning/

ZONING CLEARANCE CERTIFICATE

Project: A Zoning Clearance Certificate for a receiving site as part of a Retirement, Remediation, and Relocation (RRR) to allow 20,000 square feet (SF) of outdoor cannabis cultivation.

Project Location: The receiving site is located in the Redcrest area, on the south side of Holmes Flat Road, approximately 1,700 feet west from the intersection of Holmes Flat Road and Tierney Road, on the property known as 1048 Holmes Flat Road.

Present Plan Land Use Designation: Agricultural Exclusive (AE) , Density: Range is 20 to 60 acres per unit; Timberland (T), Density: Range is 40 to 160 acres per unit, Avenues Community Planning Area: Stafford-Redcrest, 2017 General Plan, Slope Stability: Low/ Moderate Instability (1/ 2) .

Present Zoning: Agricultural Exclusive (AE), Flood Hazard Area (F); Timberland Production (TPZ)

Record Number: PLN-2019-1567 4

Assessor Parcel Numbers: 209-331 - 002

Applicant	**Owner**	**Agent**
Eel River Produce, LLC	Wyatt Williamson	Britt Massaro
Mike Lentz	PO Bo 764	PO Bo 764
4632 Walnut Drive	Loleta, Ca 95551	Loleta, Ca 95551
Eureka, CA 95503		

Environmental Review: An Addendum to a previously adopted Environmental Impact Report has been prepared for consideration per CEQA Guideline Section 15164.

Findings

Pursuant to Humboldt County Code Section 312-2.4, a Zoning Clearance Certificate shall be approved and issued by the Planning Director if, based on the submitted information provided by the applicant, it is found that:

1. The proposed development is in conformance with the Humboldt County General Plan, Open Space Plan, and the Open Space Action Program; and

2. The proposed development conforms with all requirements of the Humboldt County Zoning Regulations; and

3. The proposed development complies with the terms and conditions of any applicable permit and/or subdivision map that was previously approved for such development; and

4. The proposed development is not located on the same lot where conditions or activities are being conducted which are a part of the proposed development and in violation of the Humboldt County Code, unless the zoning clearance is necessary for the abatement of the existing violation.

Facts

An application has been submitted to the Planning Division for a Zoning Clearance Certificate for 20,000 square feet of outdoor cannabis cultivation under the Retirement, Restoration and Relocation (RRR) program. This commercial cannabis activity is authorized by Sections 314-55.6.7 and 314-55.4.6.5.9 of the Commercial Cannabis Land Use Ordinance (CCLUO). The application meets the requirements of zoning, size of cultivation area, setbacks from property lines and listed incompatible uses (e.g., schools), and is accompanied by the documentation, plans, descriptions, and agency clearances set forth in the CCLUO. The site is accessed by Holmes Flat Road, a paved centerline-stripe County road. The applicant is required to apply for an encroachment permit.

The 20,000 square feet of RRR cultivation will occur in an agricultural field within native prime agricultural soil. There is 15.3 acres of mapped Prime Agricultural soil. At full buildout, the site is proposing to host 123,200 square feet of cultivation consisting of a Special Permit for 43,200 sq. ft. and four (4) RRR entitlements totaling 80,000 sq. ft. This is less than 20% of the total Prime Agricultural soil on the site, i.e. less than 130,680 sq. ft.). In addition, the site has been approved for a Zoning Clearance Certificate for a 10,000 square foot commercial nursery occurring in four (4) greenhouses (see Record PLN-2019-15762). The RRR cultivation will be full-sun outdoor and achieve a single harvest. Irrigation water is sourced from rainwater catchment collected directly in twenty-four (24) hard tanks with a 120,000 gallon capacity. Cannabis is partially dry-farmed. Estimated annual water use for the total cultivation operation is 160,000 gallons, or 1.3 gallons per square foot, which amounts to 26,000 gallons for the 20,000 sq. ft. of RRR cultivation. Propagation occurs on-site in the proposed commercial nursery greenhouses. Drying and processing occurs off- site . There will be up to fourteen (14) workers during peak seasonal activities. Power is provided by P.G.&E. with a 100% renewable option.

The subject parcel has been determined to be one legal parcel as described in Creation Deeds 1914-06556 (Lots 23 and 24 of Recorded Survey recorded in Book 5 of Surveys page 51) and 1924-04595 (exception of lot 23 of Recorded Survey recorded in Book 5 of Surveys page 51). The property is not subject to an approved land use permit or subdivision to which terms and conditions apply to new development. The proposed development is not located on property where one or more violations of the Humboldt County Code exist. The project is subject to satisfactory remediation of the Retirement Site in accordance with the Cannabis Remediation and Restoration Agreement executed for PLN-2019-1567 4 RRR.

The proposed development is not located on property where one or more violations of the Humboldt County Code exists.

Determination

It is the determination of the Planning Division that:

- [R] A Zoning Clearance Certificate is ap p ro ved . The terms and responsibilities set forth in the CMMLUO shall be satisfied by the Permittee for the life of this clearance.
- ☐ A Provisional Zoning Clearance Certificate is approved subject to the terms of the attached Compliance Agreement. The terms and responsibilities set forth in the CMMLUO shall also be satisfied by the Permittee for the life of this clearance.
- ☐ The Zonin learance Certificate application is denied. The reasons for this denial are set forth. t le analysis above.

ssued By: _____ Date: 7/9/2020

John H. Ford [Direc or, Planning and Building Department

ATTACHMENT 1

CEQA ADDENDUM TO THE
FINAL ENVIRONMENTAL IMPACT REPORT FOR THE COMMERCIAL CANNABIS LAND USE ORDINANCE

Commercial Cannabis Land Use Ordinance Final Environmental Impact Report (EIR)
(State Clearinghouse # 2017042022), January 2018

APN 209-331-002, 1048 Holmes Flat Road, Redcrest, County of Humboldt

Prepared By .
Humboldt County Planning and Building Department
3015 H Street, Eureka, CA 95501

July 2020

Background

Project Description and Project Historv-The Commercial Cannabis Land Use Ordinance (CCLUO) updated the County's existing Commercial Medical Marijuana Land Use Ordinance (Section 313-55.4 and 314-55.4 of Chapter 3 of Division 1 of Title Ill of the County Code) as well as repeal of the Medical Cannabis Testing and Research Laboratories provisions and on-site consumption prohibition found in Sections 313-55.3.15, 314-55.3.15, 313-55.3.11.7, anq 314-55.3.11.7 of Division 1 of Title Ill of the County Code, respectively. These regulations-establish land use regulations for the commercial cultivation, processing, manufacturing, distribution, testing, and sal,e of cannabis within the County. These regulations were developed in concert with the Final Environmental Impact Report (EIR) that was adopted for the ordinance in order to implement the mitigation measures of the EIR. The EIR addressed the broad environmental impacts that could be expected to occur from the adoption and implementation of the ordinance. The EIR specified that the regulations established in the CCLUO would mitigate the impacts of existing cannabis operations ·· by establishing regulations for an existing unregulated land use to help prevent and reduce· ·· environmental impacts that are known to result from unpermitted baseline cultivation operations. The EIR prepared for the CCLUO also established local land use regulations to allow for continued commercial cannabis operations in the unincorporated Orea of the County that ensure the health and safety of residents, employees, County visitors, neighboring property owners and en,d users or cannabis. The proposed project is consistent with all regulations within the CCLUO and all mitigation measures of the EIR. Commercial cannabis cultivation in existence as of December 31, 2015, was included in the environmental baseline for the EIR. The current project was contemplated by the EIR and compliance with the provisions of the CCLUO will fully mitigate all environmental impacts of the project t<;> a less than significant level.

The project is for 43,200 square feet of new outdoor light deprivation occurring in hoop houses, a 10,000 square foot commercial wholesale nursery occurring in four greenhouses, and 80,000 square feet of full-sun outdoor cultivation relocated to the site through the County',s Retirement, Remediation and Relocation (RRR) program. There are 15.3 acres of mapped Prime Agricultural Soil on the parcel. The cannabis cultivation site is limited to no more than 20% of the total prime ---- a=g, s o il .Th e project does not exceed the 20% threshold (i.e. is less than 133,294 square feet) . Th e ---- project site is planned Agriculture Exclusive (AE) and Timberland (T). The proposed cultivation activity would occur on the AE portion of the property.

The sole source of irrigation water is rainwater catchment stored in tanks. There will be 120,000 gallons of tank storage on site. An additional 50,000 gallons will be added to meet the needs of the additional relocated cultivation. Cannabis is partially dry-farmed. Annual water use at total build-out for the cultivation areas is estimated at 169,500 gallons. Annual water use for th·e nursery is estimated at 19,000 gallons. Water meters will be used to quantify irrigation water use.

The subject parcel is accessed via a private driveway directly off Holmes Flat Road, a paved County-maintained road with a centerline stripe. The access road meets the functional equivalency of a Category 4 road and is suitable for the proposed commercial agriculture ___actiYity._A JoJaL o.Lse 'l e □.(Z) full:-time employe_es_ar..e.ne.e_ded,_of .wbicbJiYe (-5). me_0ssociated with the cultivation and two (2) are associated with the nursery. An additional seven (7) temporary workers would be used. The maximum number of people onsite during harvest"is fourteen. Twenty four (24) parking spaces are shown on the Site Plan, of which two (2) are ADA compliant, twelve (12) are available for employees, and ten (10) are available for the commercial nursery employees and customers. Power is provided by Pacific Gas and Electric (P.G.&E.). The applicant will purchase 100% renewable electricity through the RePower+ program. Harvested product will be fresh frozen and tak_en off-site. Processing occurs off-site.

A Biological Reconnaissance, Protocol Level Survey, Wetland Delineation and Invasive Species Management Plan was prepared by Pacific Watershed Associates in July 2019. The report evaluated the site for the presence or potential presence of rare and sensitive plants and wildlife. The biologist determined a high potential for maple-leafed checkerbloom and Northern Spotted Owl. A protocol survey was completed for maple-leafed checkerbloom, and no plants were found. A protocol-level survey was completed for NSO as part of a proposed Timber Harvest Plan. No NSO were found within a 1.3 mile radius of the site. No suitable habitat for Marbled Murrelets was identified on the site. The project does not use supplemental light, and will limit noise to no more than 3 decibels above pre-project ambient noise.

The modified project is consistent with the adopted EIR for the CCLUO because it complies with all standards o.f the CCLUO which were intended to mitigate for impacts of new cannabis operations. These include complying with County Fire Safe regulations, noise and light attenuation _ ms:,QSUJe_s_Ji:LILmjl_djsJurbanc_e jp_wHdllie,JirnLting activ.ities_Jo dm,tlighL.hours (8_am.Jo5.pm)_,_ supplying irrigation water from a non-diversionary source and electricity from renewable sources.

Purpose - Section 15164 of the California Environmental Quality Act (CEQA) provides thbt the lead agency shall prepare an addendum to a previously certified Final Environmental Impact Report (EIR) if some changes or additions are necessary but none of the conditions described in Section 15162 calling for a subsequent EIR or Negative Declaration have occurred. Section 15162 states that when an EIR has been certified for a project, no subsequent EIR shall be prepared for that project unless the lead agency determines, on the basis of substantial evidence in the light of the whole record, one or more of the following: -

1. Substantial changes are proposed in the project which require major revisions of the previous EIR due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects;

2. Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisioos of the previous EIR due to the involvement of new _Lg □ific.a□Le□Yi[o □men taLeJJed s.orn sub stantia Li□c r:ease JnJbe.sev.erity_o f-prev.iously-identified significant effects; or

3. New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the Final EIR was certified as complete, shows an/ of the following: A) the project will have one or more significant effects not discussed in the previous Final EIR; B) significant effect previously examined will be substanticlly more severe than shown in the Final EIR; C) mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or D) mitigation measures or alternatives which are considerably different from those analyzed in the Final EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Summary of Significant Project Effects and Mitigation Recommended

No changes are proposed for the Final EIR recommended mitigations. The proposal to authorize 43,200 square feet of new outdoor cannabis cultivation, host the relocation of up to 80,000 square feet of cultivation, and operate a 10,000 square foot commercial nursery is fully consistent with the impacts identified and adequately mitigateq in the Final EIR. The project as conditioned to implement responsible agency recommendations, results in no significantly adverse

environmental effects beyond those identifiedin the Final EIR.

In reviewing the application for consistency with the adopted EIR, the County considered the following information and studies, among other documents:

- Cultivation and Operation Plan received April 14, 2020.
- Site Plan
- Division of Environmental Health Worksheet
- Biological Reconnaissance, Protocol Level Survey, Wetland Delineation and Invasive Species Management Plan prepared by Pacific Watershed Associates in July 2019.
- Erosion Control Plan prepared by Holmgren Associates November 2018
- Botanical Survey Report prepared by Holmgren Associates in July 2019
- Cultural Resource Survey completed by Archaeological Research and Supply Company in December 2019.
- Sound Study received May 7, 2020.

Other CEQA Considerations

Staff suggests, no changes for the revised project.

EXPLANATION OF DECISION NOT TO PREPARE A SUPPLEMENTAL MITIGATED NEGATIVE DECLARATION OR ENVIRONMENTAL IMPACT REPORT

See **Purpose** statement above.

In every impact category analyzed in this review, the projected consequences of the current project proposal are either the sarne or less than significantly increased than the initial project for which the EIR was adopted. Based upon this review, the following findings are supported:

FINDiNGS

1. The proposed project will permit a new cannabis operation and bring the operation into compliance with county and state requirements intended to adequately mitigate environmental impacts.

2. The circumstances under which the project was approved have not changed substantially. There are no new significant environmental effects and no substantial increases in the severity of previously identified effects.

3. For the current proposed project, there has been no new information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was adopted as complete.

CONCLUSION

Based on these findings it is concluded that an Addendum to the previous Final EIR is appropriate to address the requirements under CEQA for the current project proposal. All of the findings, mitigation requirements, and mitigation and monitoring program of the EIR, remain in full force and effect on the original project.

APPENDIX G

STATE WATER RESOURCE CONTROL BOARD NOTICE OF APPLICABILITY

June 30, 2020 WDID:1_12CC424234

EEL RIVER PRODUCE, LLC
ATTN: WYATT WILLIAMSON
1048 HOLMES FLAT ROAD
REDCREST, CA 95569

Subject: Notice of Applicability - Waste Discharge Requirements Water Quality Order WQ 2019-0001-DWQ

The attached Notice of Applicability provides notice that 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 WQ 2019-0001-DWQ (General Order – previously WQ 2017-0023-DWQ, with updates and revisions effective April 16, 2019) are applicable to the site as described below. Based on the information provided, the Discharger self-certifies the cannabis cultivation activities are consistent with the requirements of the State Water Board Policy and General Order.

Please direct all submittals, discharge notifications, and questions regarding compliance and enforcement to the North Coast Regional Water Quality Control Board Cannabis Program at (707) 576-2676 or northcoast.cannabis@waterboards.ca.gov.

Sincerely,

Matthias St. John
Executive Officer
North Coast Regional Water Quality Control Board

200630_2L_1_12CC424234_ERP_NOA_TW

NOTICE OF APPLICABILITY – WASTE DISCHARGE REQUIREMENTS, WATER QUALITY ORDER WQ 2019-0001-DWQ, EEL RIVER PRODUCE, LLC, HUMBOLDT COUNTY APN 209-331-002-000

EEL RIVER PRODUCE, LLC (hereafter "Discharger") submitted information through the State Water Resources Control Board's (State Water Board's) online portal on February 14, 2020, 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 Policy and 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 **1_12CC424234**.

The Discharger is responsible for all the applicable requirements in the Policy, General Order, and this Notice of Applicability (NOA). This includes making any necessary changes to the enrollment, and the Discharger is the sole person or entity with legal authority to make those changes. The Discharger will be held liable for any noncompliance with the Policy, General Order, and the 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 than 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: https://www.waterboards.ca.gov/water_issues/programs/cannabis/cannabis_water_quality.html

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.

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. Landowners of the cultivation site in the North Coast Region are required to submit and implement Site Management Plans that describes how BPTC measures are

implemented property-wide, including BPTC measures implemented to address discharges from legacy activities (e.g. former timber harvest, road building, mining, etc.) at the site per Provision C.1.a. of the General Order. 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.

The Policy and General Order require that, prior to conducting any work in streams or wetlands, the Discharger obtain water quality certification from the Water Boards and other required permits from other agencies (e.g. a Clean Water Act section 404 permit from the United States Army Corps of Engineers, a Lake and Streambed Alteration Agreement from the California Department of Fish and Wildlife, and other local permits). Enrollment in the General Order requires that the Discharger obtain water quality certification for any such work, but this NOA does not provide the necessary certification. If the Discharger proposes or requires work in streams or wetlands, they must apply for water quality certification separately by filling out and submitting a separate application for that work. The application is available for download at the following Regional Water Board website:
https://www.waterboards.ca.gov/northcoast/water_issues/programs/cannabis/

Currently, the direct link to that application is as follows:
https://www.waterboards.ca.gov/northcoast/water_issues/programs/cannabis/pdf/200204/RB1_Cannabis_WQC_401_App.pdf

Note: Water Quality Certifications require separate application and monitoring fees. A fee calculator and additional information are available at:
https://www.waterboards.ca.gov/northcoast/water_issues/programs/water_quality_certification/#401_calc

During reasonable hours, the Discharger shall allow the State Water Board or Regional Water Board (collectively Water Boards), California Department of Fish and Wildlife, CAL FIRE, and any other authorized representatives of the Water Boards upon presentation of a badge, employee identification card, or similar credentials, to:

i. enter premises and facilities where cannabis is cultivated; where water is diverted, stored, or used; where wastes are treated, stored, or disposed; or in which any records are kept;
ii. access and copy, any records required to be kept under the terms and conditions of the Policy and General Order;
iii. inspect, photograph, and record audio and video, any cannabis cultivation sites, and associated premises, facilities, monitoring equipment or device, practices, or operations regulated or required by the Policy and General Order; and
iv. sample, monitor, photograph, and record audio and video of site conditions, any discharge, waste material substances, or water quality parameters at any

location for the purpose of assuring compliance with the Policy and General Order.

3. TECHNICAL REPORT REQUIREMENTS

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

A Site Management Plan, by May 13, 2020, 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.

A Nitrogen Management Plan must be submitted by May 13, 2020, 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.

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 all provisions of the Monitoring and Reporting Program (MRP), which appears as Attachment B to the General Order. The Discharger shall also comply with all provisions of the *North Coast Regional Supplement to Annual Monitoring and Reporting Requirements for Statewide Cannabis General Order WQ 2017-0023-DWQ* (Regional Supplement), which independently appears as Investigative Order No. R1-2019-0023, issued by the Regional Water Board Executive Officer on March 22, 2019. Annual reports for both sets of requirements shall be submitted to the Regional Water Board in a combined report by March 1 following the year being monitored through the online portal (https://public2.waterboards.ca.gov/cgo). The Discharger shall not implement any changes to the MRP or to the Regional Supplement unless and until a revised MRP or Regional Supplement 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.

A copy of Attachment B to the General Order can be obtained online at the following location, or by contacting staff at the phone number and email address listed below. https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2019/wqo2019_0001_dwq.pdf#page=32.

A copy of the Regional Supplement can be obtained online at the following location, or by contacting staff at the phone number and email address listed below. https://www.waterboards.ca.gov/northcoast/board_decisions/adopted_orders/pdf/2019/19_0023_Regional%20Supplement%2013267%20Order.pdf.

5. ANNUAL FEE

According to the information submitted, the discharge is classified as Tier 2 Low Risk. The 2018-2019 annual fee for that tier and risk level was set at $1,000, but please note that the Fee Schedule is updated annually and future fees may be invoiced at different rates. Invoices are sent by the State Water Board at the beginning of each calendar year (generally in February). Do not submit payments without receiving an invoice. If you have questions or concerns about your fees please contact the Fee Branch at FeeBranch@waterboards.ca.gov or (916) 341-5247. 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 Request for Termination in writing through the online portal (available at: https://public2.waterboards.ca.gov/cgo), 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

Enrollees that propose to terminate coverage under the General Order must submit a Request for Termination in writing through the online portal (https://public2.waterboards.ca.gov/cgo). The Request for Termination consists of a formal statement regarding the reason for requesting termination (i.e. cultivation is no longer occurring, the property is being sold, etc.), documentation that the site is in compliance with the General Order, including dated photographs and a written discussion. If the site is not meeting the requirements of the General Order, then the enrollment cannot be terminated. Regional Water Board staff will review the Request for Termination for completeness before determining if a property inspection, enrollment termination, or a request for additional information is appropriate.

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 North Coast Regional Cannabis Unit staff at (707) 576-2676 or northcoast.cannabis@waterboards.ca.gov so that a site-specific compliance schedule can be developed.

Cc: Kevin Porzio, State Water Resources Control Board, dwq.cannabis@waterboards.ca.gov
Cheri Sanville, California Department of Fish and Wildlife, cheri.sanville@wildlife.ca.gov
Cliff Johnson, Humboldt County Planning and Building, cjohnson@co.humboldt.ca.us

APPENDIX H

CDFW LSAA 1600 AGREEMENT

California Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
REGION 1 – NORTHERN REGION
619 Second Street
Eureka, CA 95501
www.wildlife.ca.gov

GAVIN C. NEWSOM, Governor
CHARLTON H. BONHAM, Director

July 6, 2020

Wyatt Williamson
PO Box 764
Loleta, CA 95551
wyatt@eelriverproducellc.com

Subject: **Notification of Lake or Streambed Alteration No. 1600-2020-0076-R1**
Humboldt County Assessor's Parcel Number 209-331-002

Dear Wyatt Williamson:

On February 18, 2020 the California Department of Fish and Wildlife (CDFW) received your Notification of Lake or Streambed Alteration (Notification). On March 19, 2020, your Notification was deemed complete due to the passage of 30 days with no action taken by CDFW to incomplete your Notification.

The Department is required to submit a draft Lake or Streambed Alteration Agreement (Agreement) to you within 60 calendar days from the date the Notification is complete. Therefore, the Department had until May 18, 2020 to issue you a draft Agreement or inform you that an Agreement is not required. Due to current staffing limitations, the Department did not meet that date. As a result, by law, you may now complete the **project described in your notification** without an Agreement.

Please note that pursuant to Fish and Game Code (FGC) section 1602, subdivision (a)(4)(D), if you proceed with this project, **it must be the same as described and conducted in the same manner as specified in the notification and any modifications to that Notification received by CDFW in writing prior to the date of this letter.** This includes completing the project within the proposed term and seasonal work period and implementing all avoidance and mitigation measures to protect fish and wildlife resources specified in the notification. If the term proposed in your notification has expired, you will need to re-notify CDFW before you may begin your project. Beginning or completing a project that differs in any way from the one described in the notification may constitute a violation of FGC section 1602.

Your notification includes the following information: a water well located at (lat./long): 40.4183, -123.9457 that is used as the sole source of water for all domestic water needs on the property. The applicant stated that the well will not be used for cannabis irrigation and that all cannabis irrigation water will be collected via rain catchment tanks. CDFW did not evaluate hydraulic connection of the well to surface water, nor was a hydrogeologic evaluation prepared by a licensed geologist provided for CDFW review.

The following features were disclosed but not covered as projects: A pond located at (lat./long): 40.4156, -123.9467. The applicant stated that the pond is disconnected from any streams or other bodies of water on the property and the water within the pond is not being harvested or used in any way. A second well is located at (lat./long): 40.4183, -123.9456. The well is sealed, and the applicant indicated that it is not currently in use, nor do they have any intention of using it as a water source. This letter does not retroactively permit any maintenance, use, construction, reconstruction or replacement of these features. These features may not be in compliance with Fish and Game code and are not covered as projects under this letter. No other projects that may be subject to FGC1602 were disclosed.

Also note that while you are entitled to complete the project without an Agreement, you are still responsible for complying with other applicable local, state, and federal laws. These include FGC sections 5650 and 5652 which make it unlawful to pollute waters of the state. FGC section 5650 makes it unlawful to deposit in, permit to pass into, or place where it can pass into waters of the state any substance or material deleterious to fish, plant life, mammals, or bird life, including, but not limited to gasoline and oil, as well as sediment. FGC section 5652 makes it unlawful to deposit in, permit to pass into, or place where it can pass into waters of the state, or to abandon, dispose of, or throw away, within 150 feet of the high water mark of the waters of the state, any garbage, refuse, or waste, among other materials. A person who violates FGC sections 1602, 5650, and 5652 in conjunction with the cultivation or production of cannabis is subject to significant penalties or fines. Specifically, CDFW may impose civil penalties administratively against any person found by CDFW to have violated these FGC sections in connection with the production or cultivation of cannabis following a complaint and, if requested, a hearing.

Other statutes in the FGC that might apply to your activity, include, but not limited to the following sections: 2080 et seq. (species listed as threatened or endangered, or a candidate for listing under the California Endangered Species Act); 1908 (rare native plants); 3511, 4700, 5050, and 5515 (fully protected species); 3503 (bird nests and eggs); 3503.5 (birds of prey); 5901 (fish passage); 5937 (sufficient water for fish); and 5948 (obstruction of stream), and the requirements set forth in the Forest Practice Act (Pub. Resources Code, § 4511 et seq.) for projects on private timberlands.

Finally, if you decide to proceed with your project without an Agreement, you must have a copy of this letter and your notification with all attachments available at all times at the work site. Please note this letter is only valid until **May 18, 2025** which is 5 years from the date the Department was required to provide a Draft Agreement.

Sincerely,

Cheri Sanville
Senior Environmental Scientist Supervisor

CalCannabis Cultivation Licensing
Pest Management Plan

Cultural Pest-Management Control Methods

Reduce and disrupt pest habitat around crops, weeding, cleaning, rototiller, mowing etc. Crop rotation with clover, nettles, or vetch. Observation for pests on a routine basis. Adjusting crop density and planting to reduce the pests, pruning and leafing plants for greater airflow, monitoring and identifying types of pest and population size of pest. Utilizing proactive attempts to prevent pests and diseases rather than reactive treatment. Lastly, sanitation to remove organic and inorganic residues, helping reduce egg/spore populations, deterring overwintering, and minimizing pest control efforts throughout the growing season.

Biological Pest-Management Control Methods

Once a pest population has been identified and monitored, beneficial insects or other organisms are introduced to control and suppress the continued growth of that population. Biological controls come in the form of insect predators/parasites, fungi, bacteria and more. They are chosen based on their effectiveness at controlling the target pest(s) in the cultivation environment. Examples include: 1. Cats for rodent control, 2. predator nematodes to supress root aphids and fungus gnats, 3. predator mites to supress thrip, russet mites, and spider mites.

Chemical Pest-Management Control Methods

Chemical controls may include spraying, dunking, and root drenching.

Chemical(s) to Be Applied at any Stage of Plant Growth

Product Name	Active Ingredient(s)
Lost Coast Plant Therapy	Soybean oil, isopropyl alcohol, citric acid, peppermint oil
Dr. Zymes	Citric acide derived from fermentation
Zerotol 2.0	Hydrogen dioxide, peroxyacetic acid
Neem oil	Neem oil
Grandevo	Chromobaeterium subtguage strain Praa4-1
Regalia	Reynoutria sachalinensis
Venerate	Heart killed Burkholderias spp
Sulfer	Sulfer
Mycotrol wpo	Beaveria Bassiana
Monterey BT	Bacilus thuringiensisis sub. kurstaki

Attach additional sheets of paper as needed.

Eel River Produce, LLC

APN: 209-331-002

CALCANNABIS CULTIVATION LICENSING

WASTE MANAGEMENT PLAN

Methods for managing cannabis waste generated on the premises shall be:

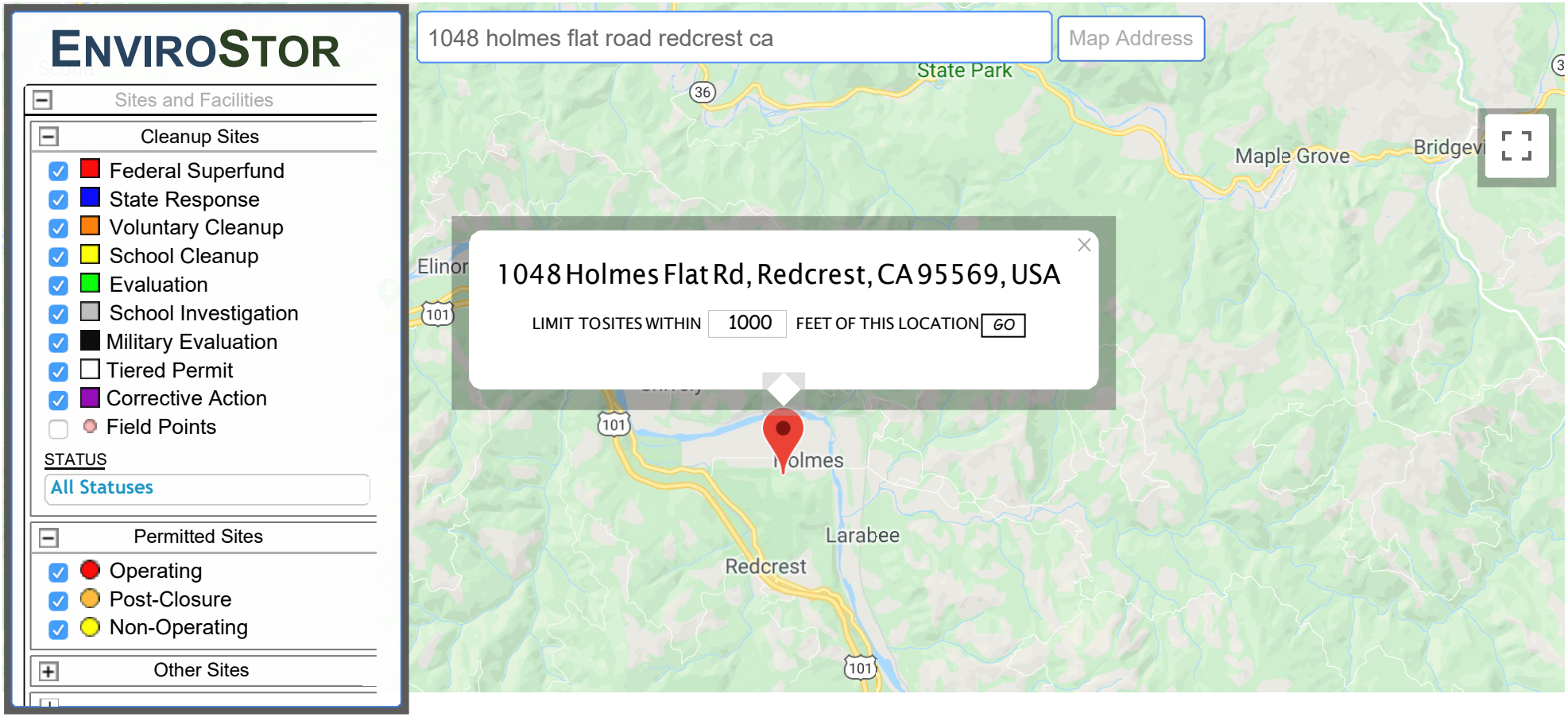
- ☒ On-premises composting
- ☐ Collection and processing by a local agency, a waste hauler franchised or contracted by a local agency, or a private waste hauler permitted by a local agency
- ☐ Self-haul to one or more of the following:
  - ☐ a manned fully permitted solid-waste landfill or transformation facility
  - ☐ a manned fully permitted composting facility or manned composting operation
  - ☐ a manned fully permitted in-vessel digestion facility or manned in-vessel digestion operation
  - ☐ a manned fully permitted transfer/processing facility or manned transfer/processing operation
  - ☐ a manned fully permitted chip-and-grind operation or facility

ENVIROSTOR HAZARDOUS MATERIALS SEARCH - Eel River Produce, LLC

A hazardous-materials record search of the EnviroStor database is attached to this cover page.

No hazardous sites are near or surrounding on Eel River Produce, LLC's premises and cultivation areas that cause concern or risk.

The search results demonstrate that no hazardous-waste facilities and/or sites were listed within 1,000 and 50,000 feet of 1048 Holmes Flat Road, Redcrest CA.



SITES CURRENTLY VISIBLE ON MAP — 1 SITES LISTED — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
MOUNT PIERCE RADIO RELAY ANNEX (J09CA0878)	NO FURTHER ACTION	STATE RESPONSE	5 MILES SOUTHWEST OF SCOTIA, CA, ON MONUMNET ROAD	SCOTIA

ENVIROSTOR

- Sites and Facilities
  - Cleanup Sites
    - [x] Federal Superfund
    - [x] State Response
    - [x] Voluntary Cleanup
    - [x] School Cleanup
    - [x] Evaluation
    - [x] School Investigation
    - [x] Military Evaluation
    - [x] Tiered Permit
    - [x] Corrective Action
    - [ ] Field Points

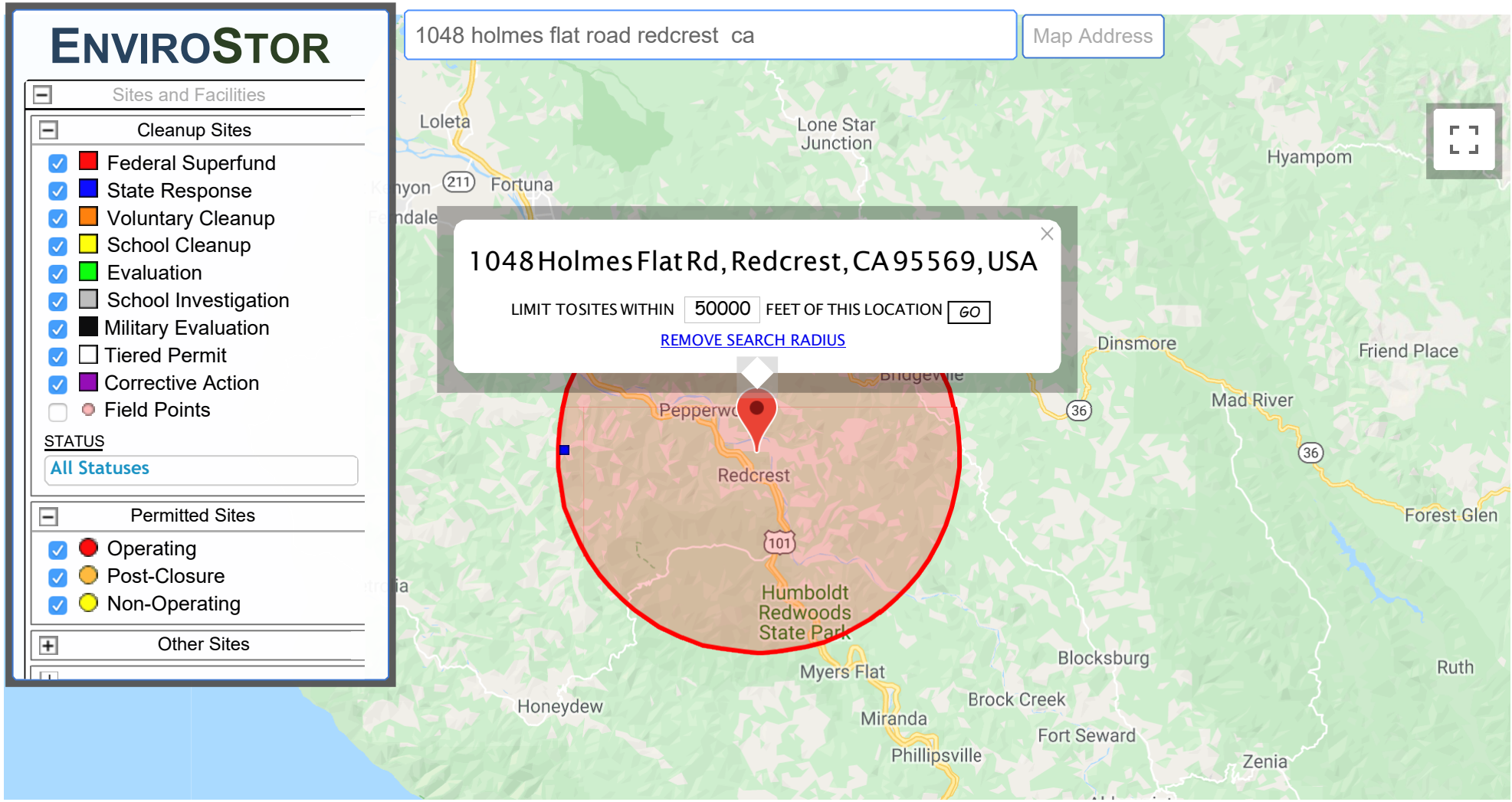
STATUS

All Statuses

- Permitted Sites
  - [x] Operating
  - [x] Post-Closure
  - [x] Non-Operating
- Other Sites

1048 holmes flat road redcrest ca

Map Address



SITES FOUND IN SEARCH RADIUS

3 SITES LISTED

EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
MOUNT PIERCE RADIO RELAY ANNEX (J09CA0878)	NO FURTHER ACTION	STATE RESPONSE	5 MILES SOUTHWEST OF SCOTIA, CA, ON MONUMNET ROAD	SCOTIA
SCOTIA RECREATION CENTER	NO ACTION REQUIRED	SCHOOL INVESTIGATION	SOUTHERN END OF MILL STREET	SCOTIA
STANWOOD A. MURPHY ELEMENTARY SCHOOL	NO ACTION REQUIRED	SCHOOL INVESTIGATION	417 CHURCH STREET	SCOTIA

ENVIROSTOR

Sites and Facilities

Cleanup Sites
- Federal Superfund
- State Response
- Voluntary Cleanup
- School Cleanup
- Evaluation
- School Investigation
- Military Evaluation
- Tiered Permit
- Corrective Action
- Field Points

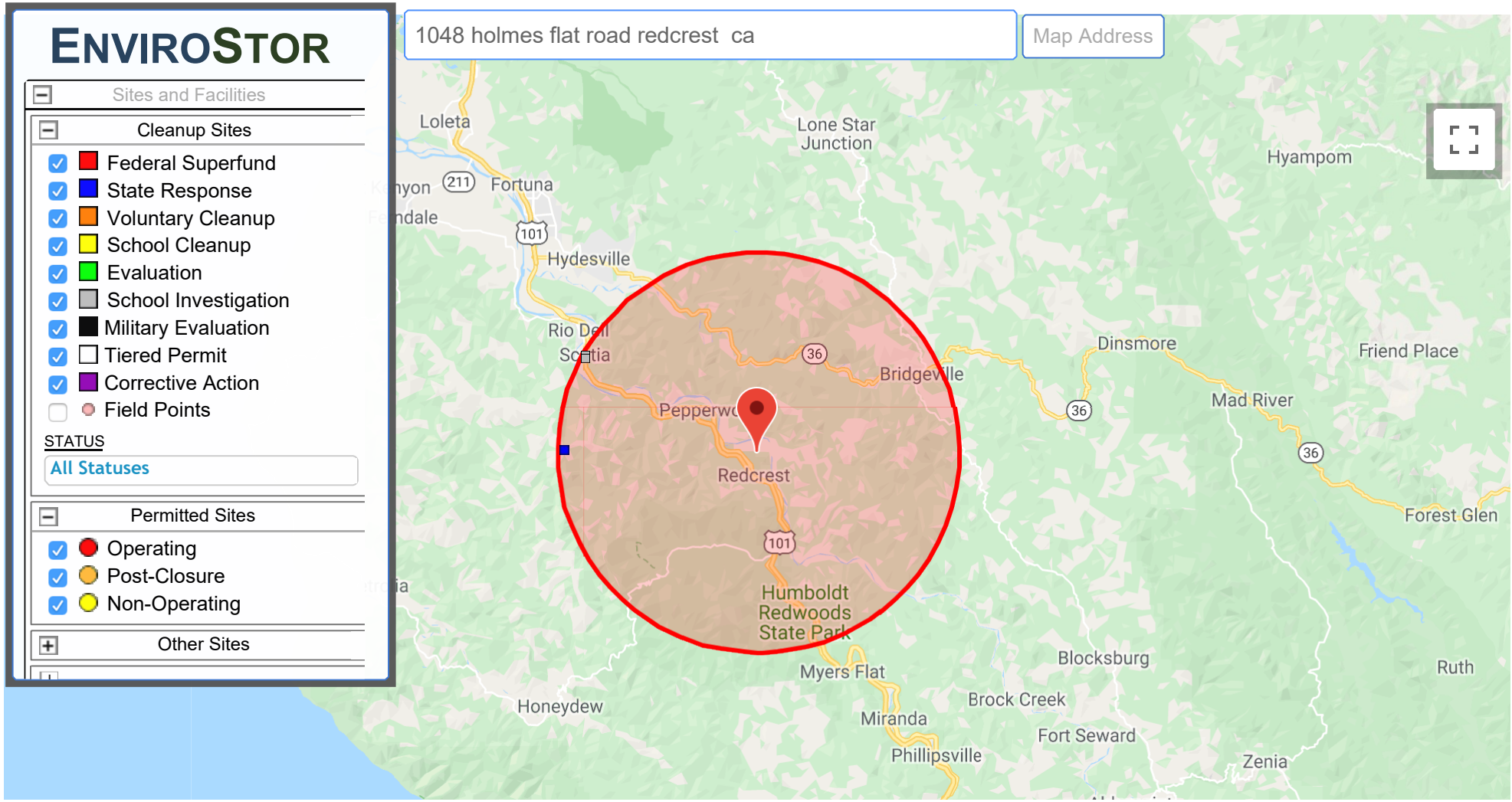
STATUS
All Statuses

Permitted Sites
- Operating
- Post-Closure
- Non-Operating

Other Sites

1048 holmes flat road redcrest ca

Map Address



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PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
MOUNT PIERCE RADIO RELAY ANNEX (J09CA0878)	NO FURTHER ACTION	STATE RESPONSE	5 MILES SOUTHWEST OF SCOTIA, CA, ON MONUMNET ROAD	SCOTIA
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