



**COUNTY OF MENDOCINO**  
**DEPARTMENT OF PLANNING AND BUILDING SERVICES**

860 NORTH BUSH STREET · UKIAH · CALIFORNIA · 95482  
 120 WEST FIR STREET · FT. BRAGG · CALIFORNIA · 95437

IGNACIO "NASH" GONZALEZ, INTERIM DIRECTOR  
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 www.mendocinocounty.org/pbs

July 23, 2021

Department of Transportation  
 Environmental Health - Ukiah/Fort Bragg  
 Building Inspection - Ukiah  
 Agriculture Commissioner  
 Air Quality Management

Archaeological Commission  
 Resource Lands Protection Committee  
 Caltrans  
 Department of Forestry/ CalFire  
 Prevention  
 Resource Management

Department of Fish and Wildlife  
 RWQCB  
 State Clearinghouse  
 Redwood Valley/Calpella Fire District  
 Potter Valley Community Services  
 Potter Valley Tribe

**CASE#:** UM\_2020-0006  
**DATE FILED:** 10/6/2020  
**OWNER:** PATRICIA LYNN GUNTLY  
**APPLICANT:** COLD CREEK COMPOST, INC., ATTN: MARTIN MILECK  
**REQUEST:** Use Permit Modification to U 26-93/2009 to allow for the expansion of operations at an existing compost site. The expansion request consists of: the grading of an adjacent 7.20 acre area for storage of finished compost, the development of an 8.4 acre storm water pond, and an increase to the allowable annual tonnage received, from 50,000 to 70,000 tons.  
**LOCATION:** 4.6± miles south of Potter Valley, accessed by a private road on the east side of Eastside Potter Valley Road (CR# 240), lying 1.5± miles northeast of its intersection with State Highway 20; located at 6000 Eastside Potter Valley, Potter Valley; APN's: 177-150-03 and 177-150-02.  
**SUPERVISORIAL DISTRICT:** 1  
**STAFF PLANNER:** SUSAN SUMMERFORD  
**RESPONSE DUE DATE:** August 6, 2021

**PROJECT INFORMATION CAN BE FOUND AT:**

[www.mendocinocounty.org](http://www.mendocinocounty.org)

Select "Government" from the drop-down; then locate Planning and Building Services/Public Agency Referrals.

Mendocino County Planning & Building Services is soliciting your input, which will be used in staff analysis and forwarded to the appropriate public hearing. You are invited to comment on any aspect of the proposed project(s). Please convey any requirements or conditions your agency requires for project compliance to the project coordinator at the above address, or submit your comments by email to [pbs@mendocinocounty.org](mailto:pbs@mendocinocounty.org). Please note the case number and name of the project coordinator with all correspondence to this department.

We have reviewed the above application and recommend the following (please check one):

- No comment at this time.
- Recommend conditional approval (attached).
- Applicant to submit additional information (attach items needed, or contact the applicant directly, copying Planning and Building Services in any correspondence you may have with the applicant)
- Recommend denial (Attach reasons for recommending denial).
- Recommend preparation of an Environmental Impact Report (attach reasons why an EIR should be required).
- Other comments (attach as necessary).

**REVIEWED BY:**

Signature \_\_\_\_\_ Department \_\_\_\_\_ Date \_\_\_\_\_

## CASE: UM\_2020-0006 Cold Creek Compost

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**OWNER:** PATRICIA LYNN GUNTLY AND JAMES GUNTLY

**APPLICANT:** COLD CREEK COMPOST (MARTIN MILECK)

**REQUEST:** Use Permit Modification to U 26-93/2009 to allow for the expansion of operations at an existing compost site. The expansion request consists of: the grading of an adjacent 7.20 acre area for storage of finished compost, the development of an 8.4 acre storm water pond, and an increase to the allowable annual tonnage received, from 50,000 to 70,000 tons.

**LOCATION:** 4.6± miles south of Potter Valley, accessed by a private road on the east side of Eastside Potter Valley Road (CR# 240), lying 1.5± miles northeast of its intersection with State Highway 20; located at 6000 Eastside Potter Valley, Potter Valley; APN's: 177-150-03 and 177-150-02.

**APN/S:** 177-150-03 and 177-150-02

**PARCEL SIZE:** 40± and 120± acres

**GENERAL PLAN:** RL160: Rangeland

**ZONING:** RL:160 Rangeland

**EXISTING USES:** Cold Creek Compost is an established compost facility located on an active working ranch in Potter Valley.

**DISTRICT:** 1<sup>st</sup>

### RELATED CASES:

- Use Permit U 26-93 and a Negative Declaration was approved on appeal in 1995.
- Action overturned by Superior Court Order No. CV71886.
- EIR prepared and certified (SCH #96032033), and U 26-93 (revised project) approved 1998.
- Use Permit modification U 26-93/2008 was approved 2008.
- Use Permit modification U 26-93/2009 was approved 2010, along with a Mitigated Negative Declaration (SCH #2006122022) for the revised project.

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	<u>ADJACENT GENERAL PLAN</u>	<u>ADJACENT ZONING</u>	<u>ADJACENT LOT SIZES</u>	<u>ADJACENT USES</u>
<b>NORTH:</b>	Rangeland:160	Rangeland	160± acres	Grazing land
<b>EAST:</b>	Rangeland:160	Rangeland	280± and 40± acres	Grazing land
<b>SOUTH:</b>	Rangeland:160	Rangeland	160 ±acres	Grazing land
<b>WEST:</b>	Rangeland:160	Rangeland	40± and 40± acres	Grazing land and confined animal agriculture.

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### REFERRAL AGENCIES

#### LOCAL

- Agricultural Commissioner
- Air Quality Management District
- Archaeological Commission
- Building Division Ukiah
- Department of Transportation (DOT)
- Environmental Health (EH)
- Redwood Valley/Calpella Fire District

- Resource Lands Protection Com.
- Potter Valley Community Services District

#### STATE

- CALFIRE (Land Use)
- CALFIRE (Resource Management)
- California Dept. of Fish & Wildlife

- California State Clearinghouse
- CALTRANS
- Regional Water Quality Control Board

#### TRIBAL

- Potter Valley Tribe
- 

### ADDITIONAL INFORMATION:

The applicant is an established compost facility that has been in operation since 1995. Since that time, no major expansion of the project site has occurred until the current proposal, which calls for development of an additional 7.20± acres for compost activities and the construction and maintenance of an 8.2± acre lined stormwater collection pond to be used for composting activities. The facility operates under the jurisdiction of Mendocino County Environmental Health and California Department of Resources Recycling and Recovery (CalRecycle).

**STAFF PLANNER:** SUSAN SUMMERFORD

**DATE:** 7/22/2021

## ENVIRONMENTAL DATA

### **1. MAC:**

GIS

*None*

### **2. FIRE HAZARD SEVERITY ZONE:**

CALFIRE FRAP maps/GIS

*Moderate*

### **3. FIRE RESPONSIBILITY AREA:**

CALFIRE FRAP maps/GIS

*State*

### **4. FARMLAND CLASSIFICATION:**

GIS

*Grazing land*

### **5. FLOOD ZONE CLASSIFICATION:**

FEMA Flood Insurance Rate Maps (FIRM)

*NO*

### **6. COASTAL GROUNDWATER RESOURCE AREA:**

Coastal Groundwater Study/GIS

*No*

### **7. SOIL CLASSIFICATION:**

Mendocino County Soils Study Eastern/Western Part

*Eastern Serpentine Soils/Naturally Occurring Asbestos*

### **8. PYGMY VEGETATION OR PYGMY CAPABLE SOIL:**

LCP maps, Pygmy Soils Maps; GIS

*No*

### **9. WILLIAMSON ACT CONTRACT:**

GIS/Mendocino County Assessor's Office

*YES*

### **10. TIMBER PRODUCTION ZONE:**

GIS

*NO*

### **11. WETLANDS CLASSIFICATION:**

GIS

*None*

### **12. EARTHQUAKE FAULT ZONE:**

Earthquake Fault Zone Maps; GIS

*NO*

### **13. AIRPORT LAND USE PLANNING AREA:**

Airport Land Use Plan; GIS

*NO*

### **14. SUPERFUND/BROWNFIELD/HAZMAT SITE:**

GIS; General Plan 3-11

*NO*

### **15. NATURAL DIVERSITY DATABASE:**

CA Dept. of Fish & Wildlife Rarefind Database/GIS

*NO*

### **16. STATE FOREST/PARK/RECREATION AREA ADJACENT:**

GIS; General Plan 3-10

*No*

### **17. LANDSLIDE HAZARD:**

Hazards and Landslides Map; GIS; Policy RM-61; General Plan 4-44

*No*

### **18. WATER EFFICIENT LANDSCAPE REQUIRED:**

Policy RM-7; General Plan 4-34

*No*

### **19. WILD AND SCENIC RIVER:**

[www.rivers.gov](http://www.rivers.gov) (Eel Only); GIS

*No*

### **20. SPECIFIC PLAN/SPECIAL PLAN AREA:**

Various Adopted Specific Plan Areas; GIS

*No*

### **21. STATE CLEARINGHOUSE REQUIRED:**

Policy

*Yes*

### **22. OAK WOODLAND AREA:**

USDA

*No*

### **23. HARBOR DISTRICT:**

Sec. 20.512

*No*



Planning and Building Services

Case No:	_____
CalFire No:	_____
Date Filed:	_____
Fee:	_____
Receipt No:	_____
Received By:	_____
<i>Office use only</i>	

## APPLICATION FORM

### APPLICANT

Name: Cold Creek Compost, Inc. - Martin Mileck Phone: 707-485-5966

Mailing Address: 6000 East Side Potter Valley Road

City: Ukiah State/Zip: CA, 95482 email: martin@coldcreekcompost.com

### PROPERTY OWNER

Name: Guntly Ranch - c/o Tricia Guntly Phone: \_\_\_\_\_

Mailing Address: 11615 Pine Avenue

City: Potter Valley State/Zip: CA, 95469 email: \_\_\_\_\_

### AGENT

Name: N/A Phone: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Zip: \_\_\_\_\_ email: \_\_\_\_\_

Parcel Size: 40 & 120 acres (Sq. feet/Acres) Address of Property: 6000 East Side Potter Valley Rd, Ukiah, CA 95482

Assessor Parcel Number(s): 177-150-02 & 177-150-03

### TYPE OF APPLICATION:

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Administrative Permit     | <input type="checkbox"/> Flood Hazard                | <input type="checkbox"/> Rezoning                    |
| <input type="checkbox"/> Agricultural Preserve     | <input type="checkbox"/> General Plan Amendment      | <input type="checkbox"/> Use Permit-Cottage          |
| <input type="checkbox"/> Airport Land Use          | <input type="checkbox"/> Land Division-Minor         | <input type="checkbox"/> Use Permit-Minor            |
| <input type="checkbox"/> CDP- Admin                | <input type="checkbox"/> Land Division- Major        | <input checked="" type="checkbox"/> Use Permit-Major |
| <input type="checkbox"/> CDP- Standard             | <input type="checkbox"/> Land Division-Parcel        | <input type="checkbox"/> Variance                    |
| <input type="checkbox"/> Certificate of Compliance | <input type="checkbox"/> Land Division-Resubdivision | <input type="checkbox"/> Other                       |
| <input type="checkbox"/> Development Review        | <input type="checkbox"/> Modification of Conditions  |  |
| <input type="checkbox"/> Exception                 | <input type="checkbox"/> Reversion to Acreage        |  |

*I certify that the information submitted with this application is true and accurate.*

  
Signature of Applicant/Agent

September 30, 2020  
Date

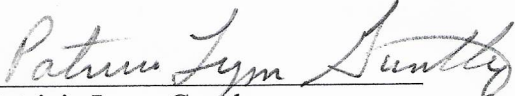
See attached signature page  
Signature of Owner

Date

September 17, 2020

To Whom It May Concern:

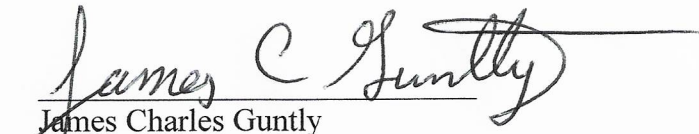
I, Patricia Lynn Guntly, as an agent of the property owners of the Guntly Ranch, which includes Cold Creek Compost as lessee, give authorization to Martin Mileck of Cold Creek Compost for project submittal and site view authorization.

  
Patricia Lynn Guntly

September 17, 2020

To Whom It May Concern:

I, James Charles Guntly, as an agent of the property owners of the Guntly Ranch, which includes Cold Creek Compost as lessee, give authorization to Martin Mileck of Cold Creek Compost for project submittal and site view authorization.

  
James Charles Guntly

## SITE AND PROJECT DESCRIPTION QUESTIONNAIRE

The purpose of this questionnaire is to relate information concerning your application to the Department of Planning and Building Services and other agencies who will be reviewing your project proposal. Please remember that the clearer picture that you give us of your project and the site, the easier it will be to promptly process your application. Please answer all questions. Those questions which do not pertain to your project please indicate "Not applicable" or "N/A".

### THE PROJECT

1. Describe your project. Include secondary improvements such as wells, septic systems, grading, vegetation removal, roads, etc.

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The proposed project is a request to modify the Facility's use permit (#U26-93/2009) to allow for the following:

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1) Grading of an adjacent 7.20 acre area for the storage of finished compost, amendments custom blending, and the production and storage of planter mixes and development of .

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8.4 acre stormwater pond for a total developed area of 8.67 acres.

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2) Modification of the Facility's current operating hours of 7 AM to 6 PM to new hours of .

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6 AM - 7 PM.

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3) Modification of the Facility's permitted annual tonnage from 50,000 tons to 70,000 tons.

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Please refer to Project Description for Cold Creek Compost for more details.

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2. Structures/Lot Coverage	Number of Units		Square Footage		
	Existing	Proposed	Existing	Proposed	Total
<input type="checkbox"/> Single Family <input type="checkbox"/> Mobile Home <input type="checkbox"/> Duplex <input type="checkbox"/> Multifamily <input type="checkbox"/> Other: <u>See Map attached</u> <input type="checkbox"/> Other: _____		N/A		N/A	N/A
<b>Total Structures Paved</b> <b>Area Landscaped Area</b> <b>Unimproved Area</b>					
<b>GRAND TOTAL (Equal to gross area of Parcel)</b>					

3. If the project is commercial, industrial or institutional, complete the following:  
 Estimated employees per shift: 22-24  
 Estimated shifts per day: 1  
 Type of loading facilities proposed: Materials unloaded directly on to composting pad

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4. Will the proposed project be phased?  Yes  No If yes, explain your plans for phasing:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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5. Will vegetation be removed on areas other than the building sites and roads?  Yes  No Explain:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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6. Will the project involve the use or disposal of potentially hazardous materials such as toxic substances, flammables, or explosives?  Yes  No If yes, explain:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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7. How much off-street parking will be provided?

	Number	Size
Number of covered spaces	<u>N/A</u>	_____
Number of uncovered spaces	<u>N/A</u>	_____
Number of standard spaces	<u>N/A</u>	_____
Number of handicapped spaces	<u>N/A</u>	_____
Existing Number of Spaces	<u>35</u>	
Proposed Additional Spaces	<u>N/A</u>	
Total	<u>35</u>	

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8. Is any road construction or grading planned?  Yes  No If yes, grading and drainage plans may be required. Also, describe the terrain to be traversed (e.g., steep, moderate slope, flat, etc.).  
Grading of 7.20 acre area proposed. Terrain is moderately sloping. See Site Plan for more details.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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9. For grading or road construction, complete the following:

A. Amount of cut 108,985.17 cubic yards  
 B. Amount of fill 111,051.47 cubic yards  
 C. Maximum height of fill slope 115 feet  
 D. Maximum height of cut slope 39 feet  
 E. Amount of import or export N/A cubic yards  
 F. Location of borrow or disposal site N/A



10. Does the project involve sand removal, mining or gravel extraction?  Yes  No  
 If yes, detailed extraction, reclamation and monitoring plans may be required?

11. Will the proposed development convert land currently or previously used for agriculture to another use?  
 Yes  No  
 If yes, how many acres will be converted? \_\_\_\_\_ acres. An agricultural economic feasibility study may be required.

12. Will the development provide public or private recreational opportunities?  Yes  No  
 If yes, explain below:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

13. Is the proposed development visible from State Highway 1 or other scenic route? <input type="checkbox"/> Yes <input type="checkbox"/> No	14. Is the proposed development visible from a park, beach or other recreational area? <input type="checkbox"/> Yes <input type="checkbox"/> No
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15. Does the development involve diking, filling, dredging or placing structures in open coastal water, wetlands, estuaries or lakes?

Diking :  Yes  No  
 Filling:  Yes  No  
 Dredging:  Yes  No

Placement of structures in:  
 open coastal waters  
 wetlands  
 estuaries  
 lakes

If so, amount of material to be dredged or filled? \_\_\_\_\_ cubic yards.  
 Location of dredged material disposal site? N/A

Has a U.S. Army Corps of Engineers permit been applied for?  Yes  No

16. Will there be any exterior lighting?  Yes  No If yes, describe below and identify the location of all exterior lighting on the plot plan and building plans.  
 \_\_\_\_\_  
 \_\_\_\_\_

17. Utilities will be supplied to the site as follows:  
 A. Electricity:  
 Utility Company (service exists to the parcel)  
 Utility Company (requires extension of service to site: \_\_\_\_\_ feet \_\_\_\_\_ miles)  
 On Site Generation - Specify: Solar panels  
 B. Gas:  
 Utility Company/Tank  
 On Site Generation - Specify: Propane and fuel tanks  
 None  
 C. Telephone:  Yes  No

18. What will be the method of sewage disposal?  
 Community sewage system - Specify supplier \_\_\_\_\_  
 Septic Tank  
 Other - Specify: Portable restroom

19. What will be the domestic water source:  
 Community water system - Specify supplier \_\_\_\_\_  
 Well  
 Spring  
 Other - Specify: Bottled water

20. Are there any associated projects and/or adjacent properties under your ownership?  
 Yes       No      If yes, explain (e.g., Assessor's Parcel Number, address, etc.):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

21. List and describe any other related permits and other public approval required for this project, including those required by other County departments, city, regional, state and federal agencies:  
Revision to Facility's Solid Waste Facility Permit by Mendocino County Health Dept with concurrence from CalRecycle  
\_\_\_\_\_

22. Describe the location of the site in terms of readily identifiable landmarks (e.g., mailboxes, mile posts, street intersections, etc.):  
Entrance to the facility located approximately 1,000 ft from the intersection of Hwy 20 & Potter Valley Road.  
A chainlink gate with a Cold Creek Compost sign delineates the entrance. A gate opener is located on the left side.  
Follow the all-weather road approximately 1.9 miles to the facility.

23. Are there existing structures on the property?       Yes       No  
If yes, describe below, and identify the use of each structure on the plot plan or tentative map if the proposal is for a subdivision.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

24. Will any existing structures be demolished or removed?       Yes       No  
If yes, describe the type of development to be demolished or removed, including the relocation site, if applicable.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

25. Project Height. Maximum height of existing structures \_\_\_\_\_ feet. Maximum height of proposed structures \_\_\_\_\_ feet.

26. Gross floor area of existing structures \_\_\_\_\_ square feet (including covered parking and accessory buildings). Gross floor area of proposed structures \_\_\_\_\_ square feet (including covered parking and accessory buildings).

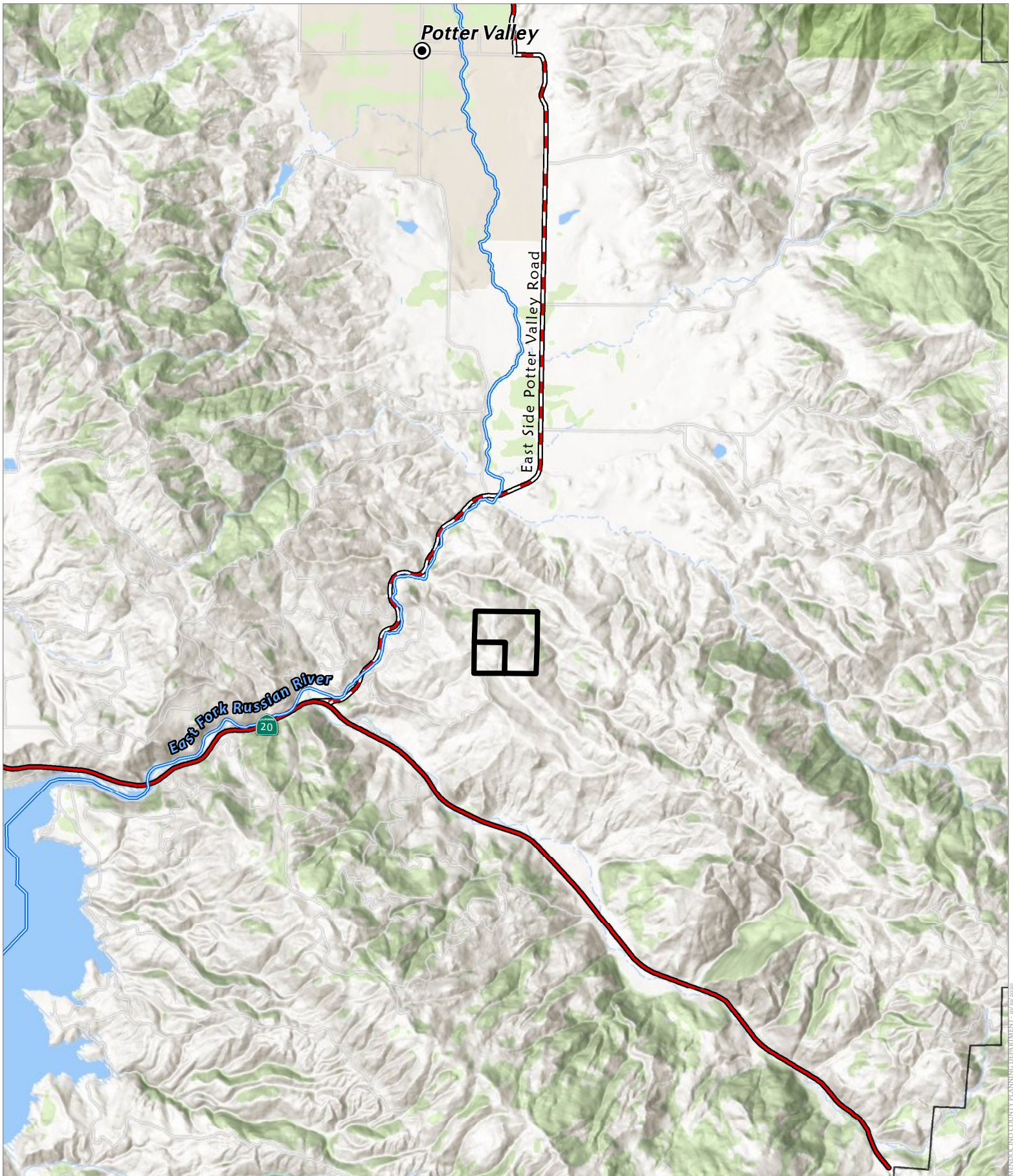
27. Lot area (within property lines): 160       square feet       acres.

28. Briefly describe the project site as it exists before the project, including information on existing structures and their uses, slopes, soil stability, plants and animals, and any cultural, historical or scenic aspects. Attach any photographs of the site that you feel would be helpful.  
Project site is located within the approximate center of the 2,400 acre Guntly Ranch. The area proposed for expansion is currently undeveloped. Please refer to the Biological Resource Assessment Report and the Archaeological Survey Report for more details.

29. Briefly describe the surrounding properties, including information on plants, animals and any cultural, historic or scenic aspects. Indicate the type of land use (use chart below) and its general intensity. Attach any photographs of the vicinity that you feel would be helpful.  
Surrounding properties are large rural ranch lands with the closest residence approximately 4,800 ft.





30. Indicate the surrounding land uses:

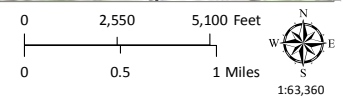
	North	East	South	West
Vacant	Vacant	Vacant	Vacant/Storage Area	
Residential Agricultural				
Commercial Industrial				
Institutional Timberland				
Other	Ranch lands	Ranch lands	Ranch lands	Compost Operation



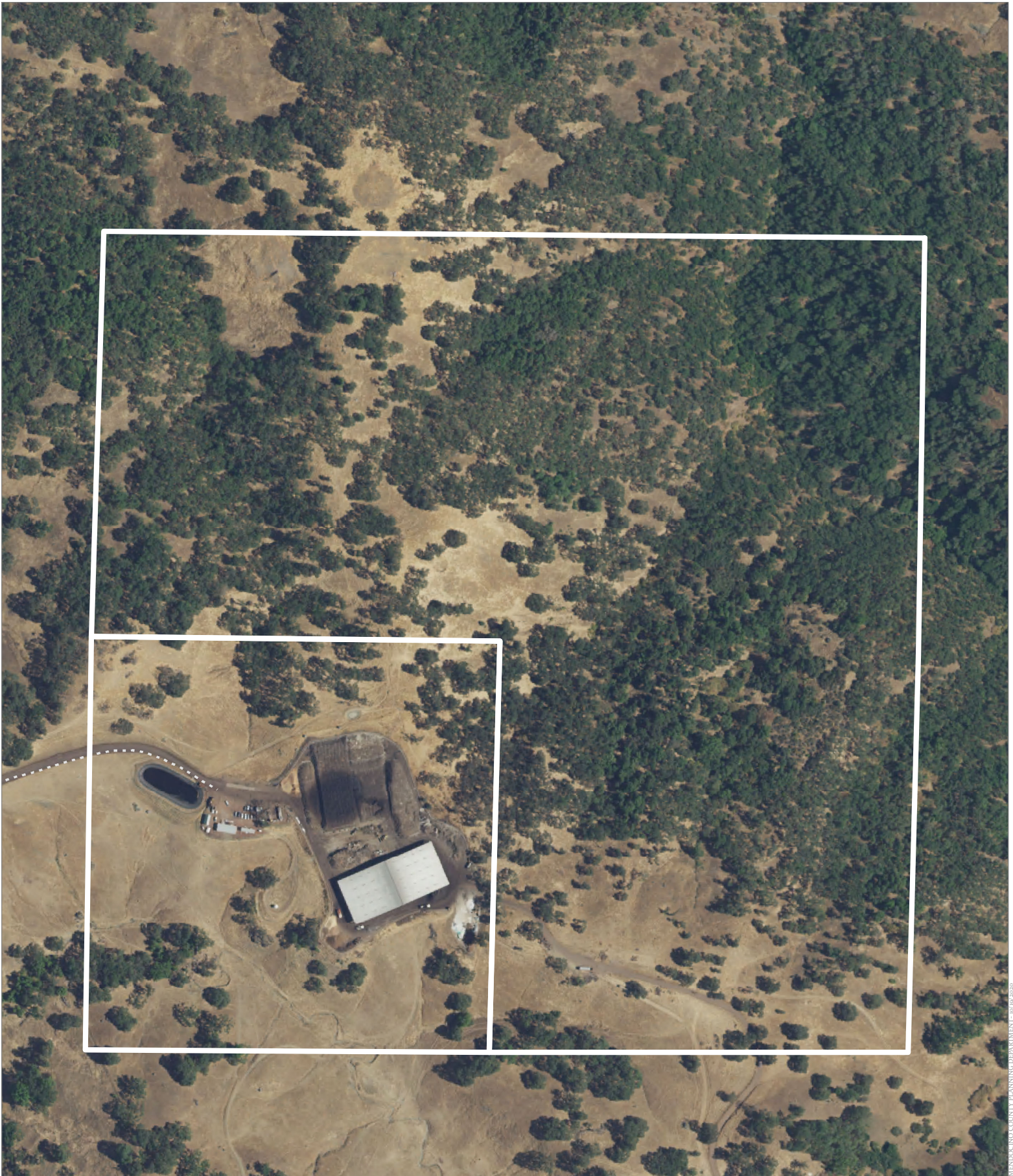
MENDOCINO COUNTY PLANNING DEPARTMENT - 07/09/2024

CASE: **UM 2020-0006**  
 OWNER: **GUNTLY, Patricia, ET AL**  
 APN: **177-150-02,03**  
 APLCT: **Cold Creek Compost**  
 AGENT:  
 ADDRESS: **6000 East Side Potter Valley Road, Potter Valley**

-  Major Towns & Places
-  Major Roads
-  Major Rivers
-  Highways

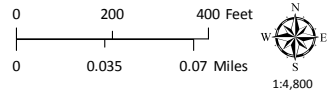


**LOCATION MAP**



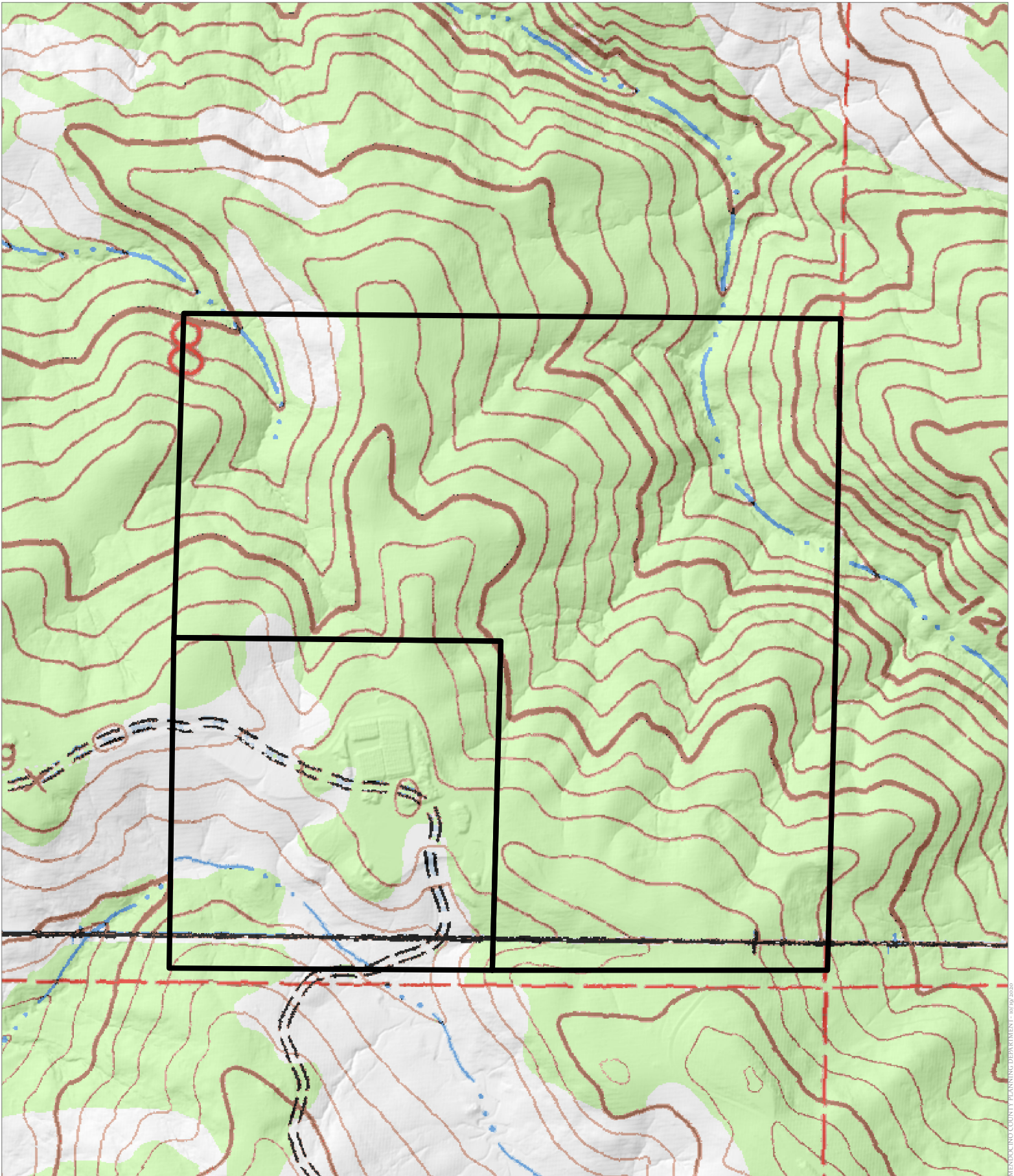
MENDOCINO COUNTY PLANNING DEPARTMENT 10/09/2024

CASE: **UM 2020-0006**  
OWNER: **GUNTLY, Patricia, ET AL**  
APN: **177-150-02,03**  
APLCT: **Cold Creek Compost**  
AGENT:  
ADDRESS: **6000 East Side Potter Valley Road, Potter Valley**



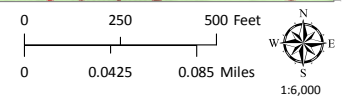
----- Driveways/Unnamed Roads

LOCATION MAP



CASE: UM 2020-0006  
OWNER: GUNTLY, Patricia, ET AL  
APN: 177-150-02,03  
APLCT: Cold Creek Compost  
AGENT:  
ADDRESS: 6000 East Side Potter Valley Road, Potter Valley

..... Driveways/Unnamed Roads



TOPOGRAPHIC MAP  
CONTOUR INTERVAL IS 40 FEET

MENDOCINO COUNTY PLANNING DEPARTMENT - 10/19/2024

SAVED: 8/7/2020 11:27 AM MAXWIE, PLOTTED: 8/7/2020 11:30 AM MAXWELL MILECK  
 C:\Google Drive\Engineering\CCC\New Pad and Pond\Edited\PodPondrWest.dwg



- DRAINAGE NOTES:**
1. 100 YEAR 24 HOUR RAIN EVENT
  2. 0.3" PER HOUR, 8" PER 24 HOUR PERIOD
  3. CUMULATIVE VOLUME 4.5 ACRE-FT
  4. DESIGNED FOR 12" CUMULATIVE RAINFALL EVENT WITH 20% SAFETY FACTOR

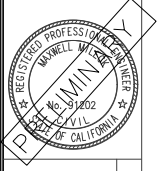
- NOTES:**
1. CUT AND FILL SLOPES 2:1 UNLESS OTHERWISE NOTED
  2. ALL DRAINAGE FROM IMPERMEABLE PAD IS CAPTURED BY AERATED 8.4 ACRE-FT HDPE-LINED POND
  3. POND WATER TO BE USED IN FERTILIZER PRODUCTION ON IMPERMEABLE PAD
  4. POND AERATION AND WATER REDISTRIBUTION SYSTEM TO BE POWERED BY DIESEL GENERATOR

**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Volume Pad	<b>1.000</b>	1.100	305809.00 Sq. Ft.	97985.17 Cu. Yd.	98669.84 Cu. Yd.	684.67 Cu. Yd.<Fill>
Volume Pond	<b>1.000</b>	1.100	63989.44 Sq. Ft.	10986.98 Cu. Yd.	12381.63 Cu. Yd.	1394.66 Cu. Yd.<Fill>
<b>Totals</b>			369798.44 Sq. Ft.	108972.15 Cu. Yd.	111051.47 Cu. Yd.	2079.33 Cu. Yd.<Fill>

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, VERIFY SCALES ACCORDINGLY

74540 HILL ROAD  
 COVELLO, CA 95026  
 MAXWELL MILECK@GMAIL.COM  
 707-272-0102



NO.	DATE	REVISION	BY

DSGN

DIR

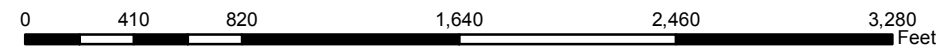
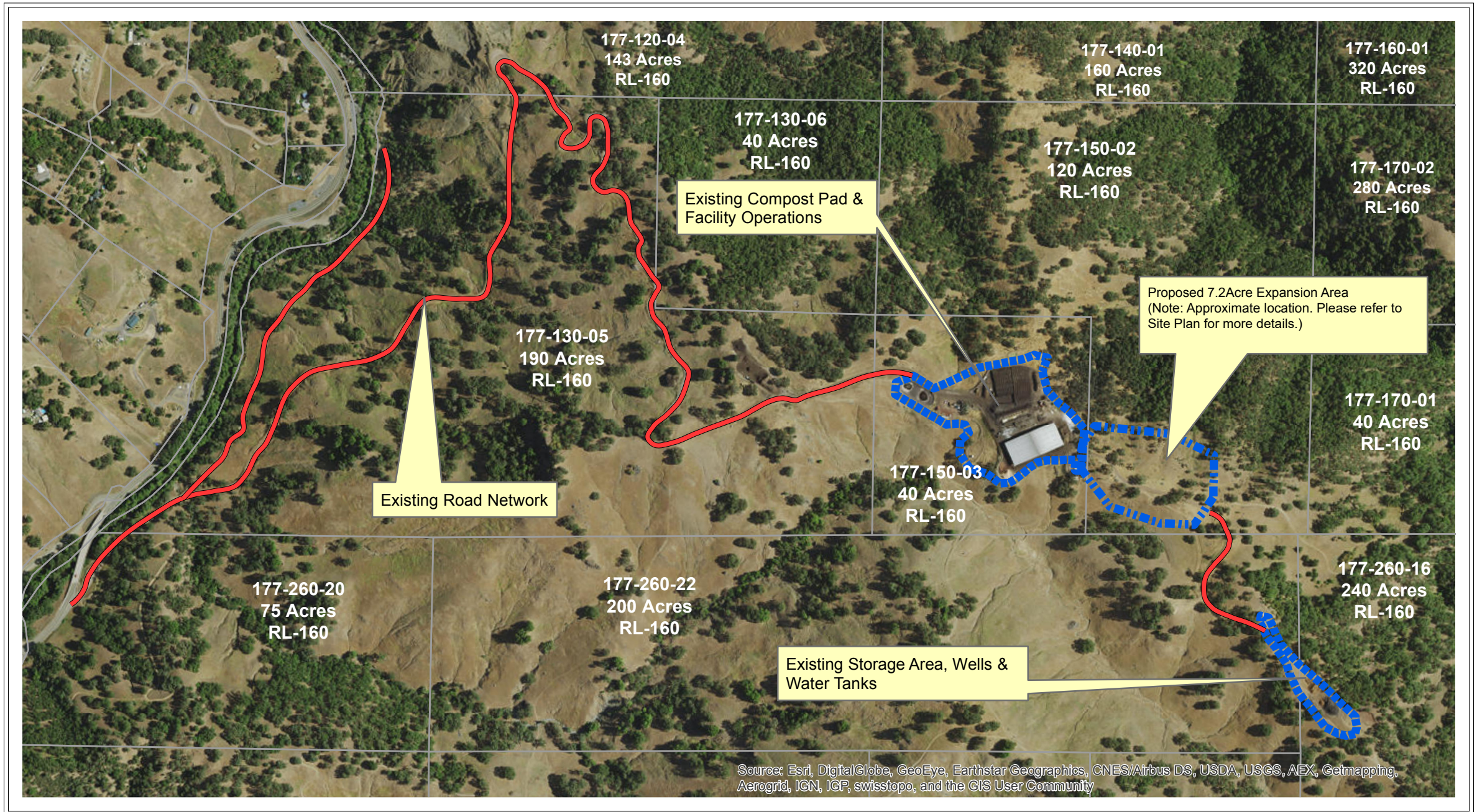
CHK

APVD

COLD CREEK COMPOST  
 PAD EXPANSION  
 6000 E SIDE POTTER VALLEY RD  
 SITE PLAN

SHEET
SEQ
DATE
PROJ. NO.

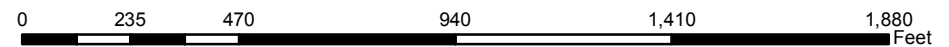
# Parcels Associated with Cold Creek Compost Operations



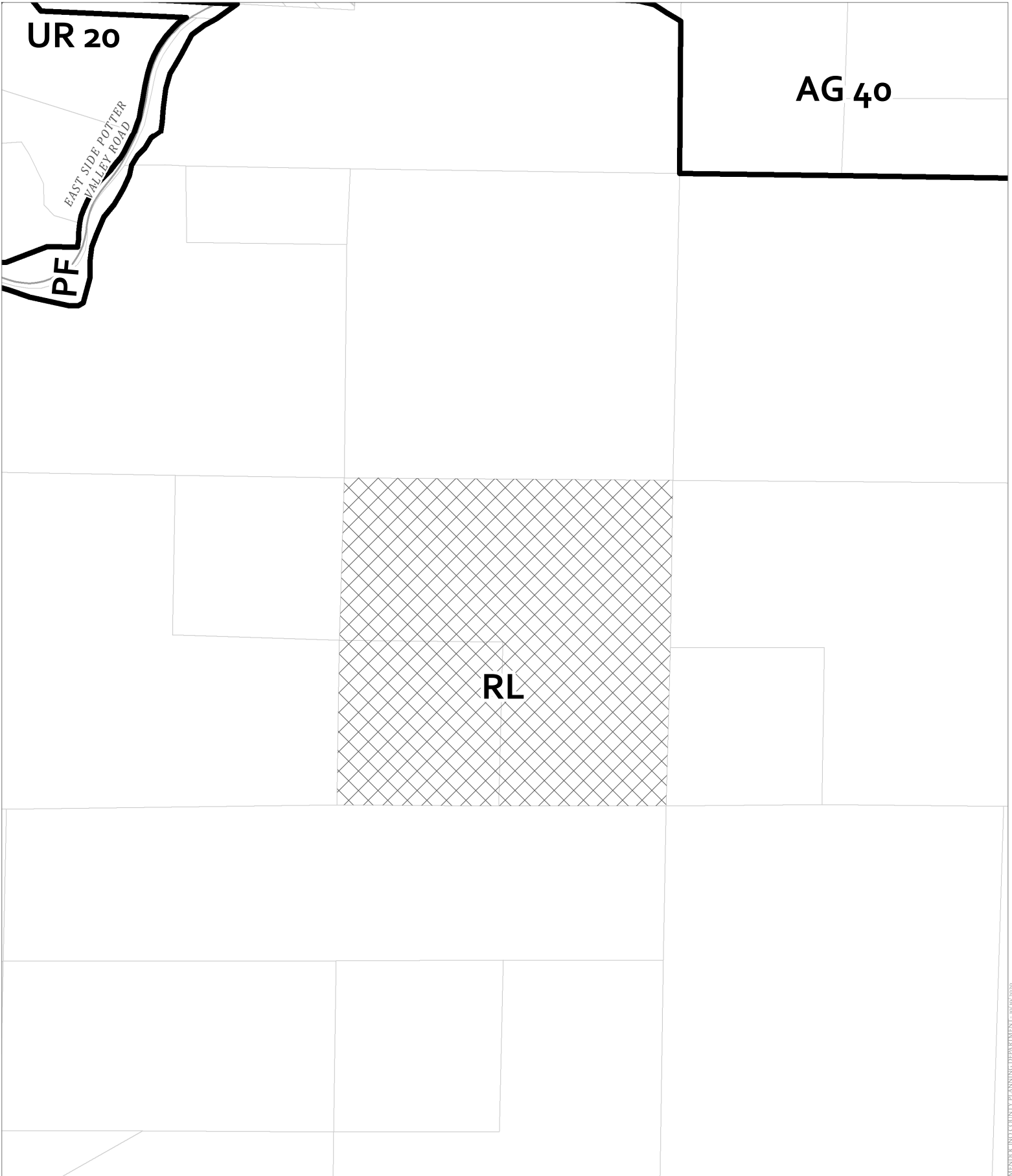
# Cold Creek Compost Site Map






Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

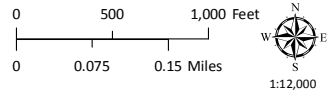






CASE: **UM 2020-0006**  
 OWNER: **GUNTLY, Patricia, ET AL**  
 APN: **177-150-02,03**  
 APLCT: **Cold Creek Compost**  
 AGENT:  
 ADDRESS: **6000 East Side Potter Valley Road, Potter Valley**

-  Zoning Districts
-  Public Roads
-  Assessor's Parcels



MENDOCINO COUNTY PLANNING DEPARTMENT - 10/19/2020

**ZONING DISPLAY MAP**

RMR 20




AG 40

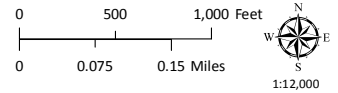
EAST SIDE POTTER VALLEY ROAD

PL

RL 160

CASE: UM 2020-0006  
OWNER: GUNTLY, Patricia, ET AL  
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-  General Plan Classes
-  Public Roads
-  Assessors Parcels



GENERAL PLAN CLASSIFICATIONS

177-120-04  
PATRICIA GUNTLY  
RL160 143 A± (139.83 A±)

177-140-01  
PATRICIA GUNTLY  
RL160 160 A± (150.65 A±)

177-160-01  
DANIEL GAMER  
RL160 320 A± (301.4 A±)

177-130-06  
PATRICIA GUNTLY  
RL160 40 A± (40 A±)

177-170-02  
DANIEL GAMER  
RL160 280 A± (282.21 A±)

177-150-02  
PATRICIA GUNTLY  
RL160 120 A± (120.22 A±)

177-130-05  
PATRICIA GUNTLY  
RL160 190 A± (188.67 A±)

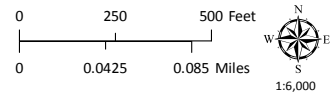
177-150-03  
PATRICIA GUNTLY  
RL160 40 A± (39.74 A±)


177-170-01  
PATRICIA GUNTLY  
RL160 40 A± (36.41 A±)

177-260-22  
PATRICIA GUNTLY  
RL160 160 A± (150.74 A±)

177-260-16  
PATRICIA GUNTLY  
RL160 240 A± (242.9 A±)

CASE: **UM 2020-0006**  
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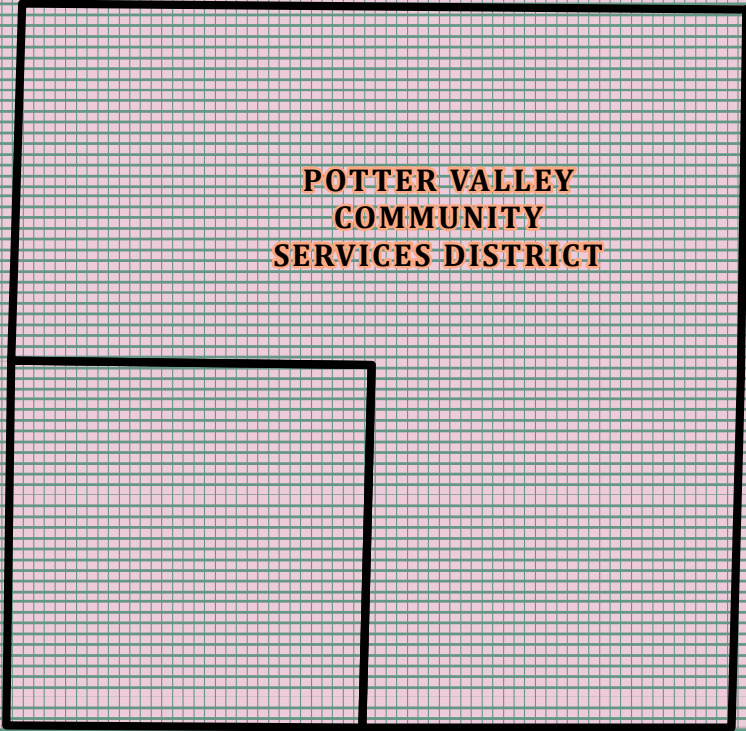


 Assessors Parcels




ADDRESS: **6000 East Side Potter Valley Road, Potter Valley**

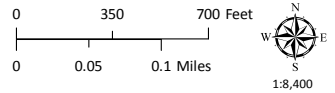
**ADJACENT PARCELS**

**POTTER VALLEY  
COMMUNITY  
SERVICES DISTRICT**

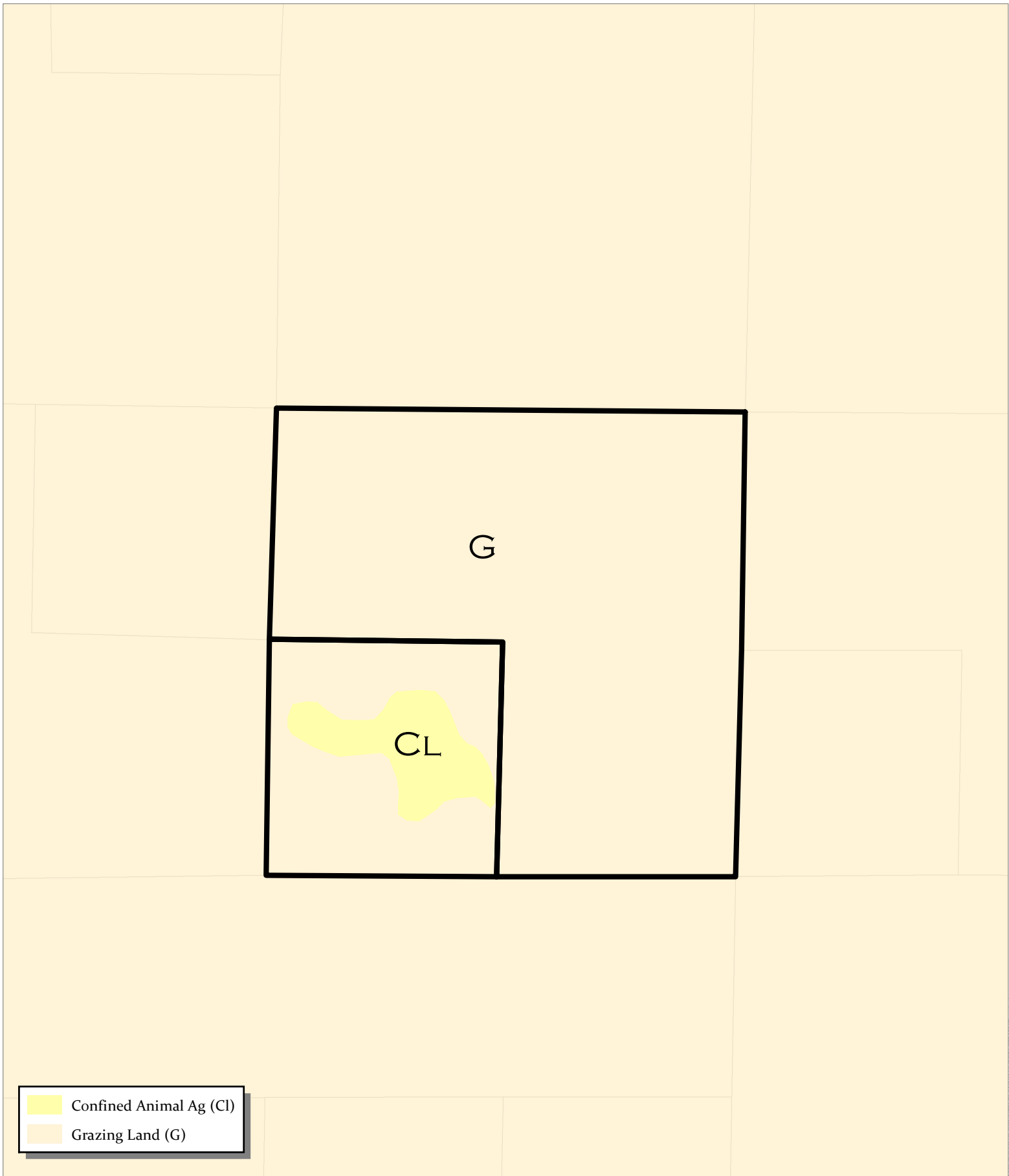




CASE: **UM 2020-0006**  
OWNER: **GUNTLY, Patricia, ET AL**  
APN: **177-150-02,03**  
APLCT: **Cold Creek Compost**  
AGENT:  
ADDRESS: **6000 East Side Potter Valley Road, Potter Valley**

-  Moderate Fire Hazard
-  County Fire Districts
-  Assessors Parcels




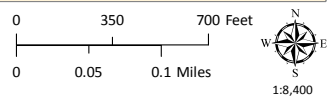
**FIRE HAZARD ZONES & RESPONSIBILITY AREAS**  
STATE RESPONSIBILITY AREA



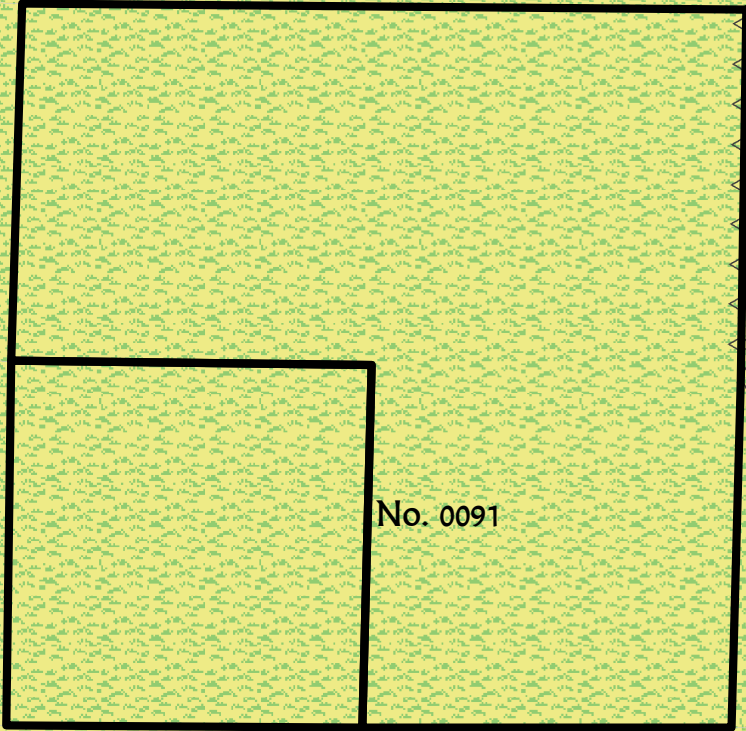
	Confined Animal Ag (CL)
	Grazing Land (G)

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 Assessors Parcels



**FARMLAND CLASSIFICATIONS**



No. 0091

CASE: **UM 2020-0006**  
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 APN: **177-150-02,03**  
 APLCT: **Cold Creek Compost**  
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Williamson Act 2018



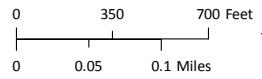
Assessors Parcels



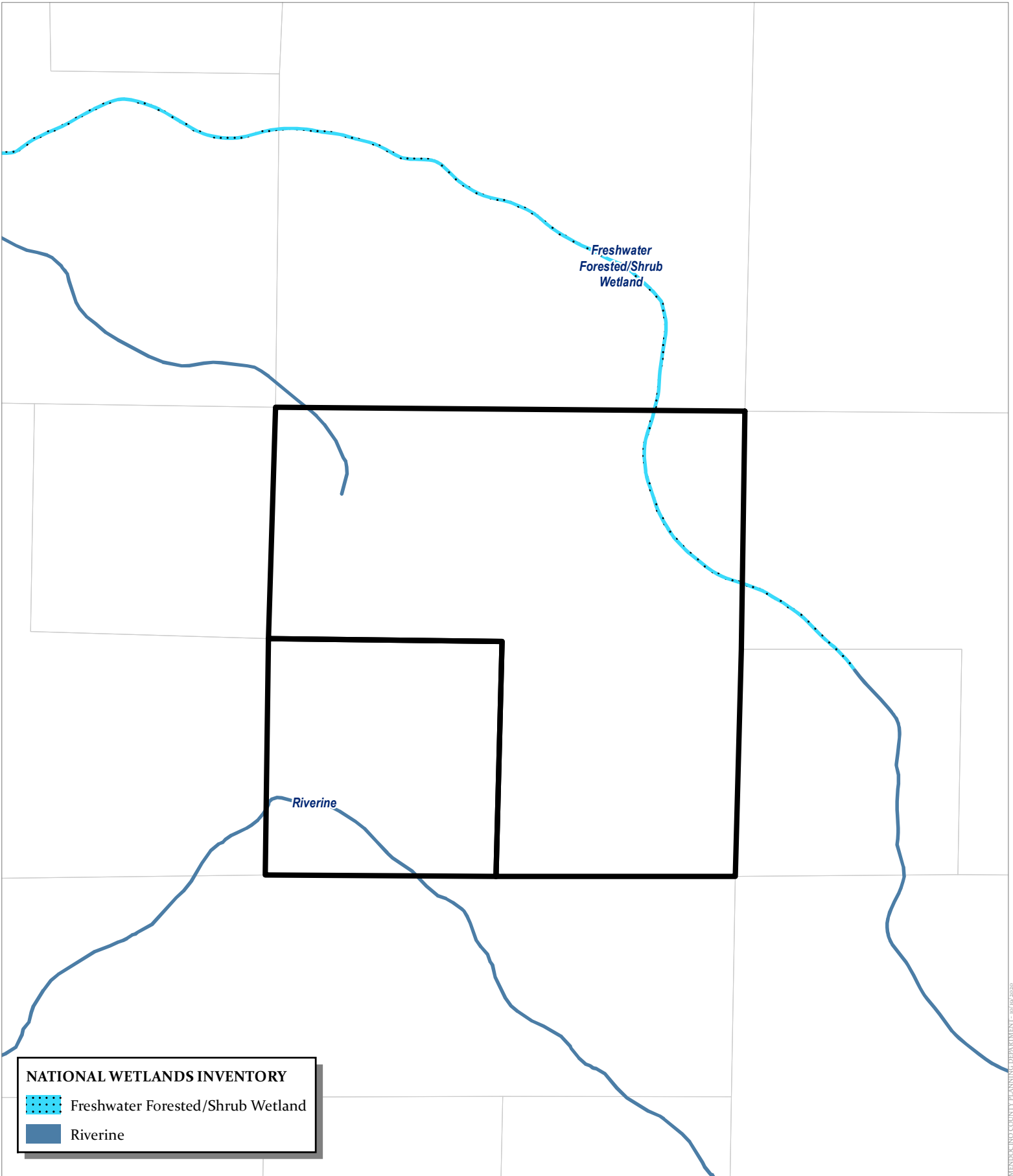
Non-Prime Ag 062920



Non-Renewal Ag 062920



1:8,400

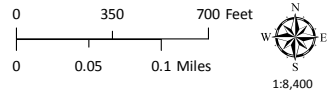


**NATIONAL WETLANDS INVENTORY**

- Freshwater Forested/Shrub Wetland
- Riverine

CASE: **UM 2020-0006**  
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Assessors Parcels



MENDOCINO COUNTY PLANNING DEPARTMENT - 10/19/2020

**WETLANDS**



Reference: 419091.300

June 19, 2020

Martin Mileck  
Cold Creek Compost Inc.  
6000 East Side Potter Valley Rd.  
Ukiah, CA 95428

**Subject: Biological Resource Assessment Report for the Proposed Cold Creek Compost Expansion & Reservoir Development Projects**

Dear Martin Mileck:

SHN Engineers & Geologists (SHN) is submitting this Biological Resource Assessment Report for special status species<sup>1</sup> that have the potential to occur at the Cold Creek Compost production facility that for potential effects associated with the proposed development of a new 302,500 sq. ft. building pad and a small reservoir (estimated storage volume 45 Ac-Ft) to facilitate the expansion of compost production. On January 20<sup>th</sup>, 2020, SHN conducted a comprehensive field investigation for special status wildlife and botanical species and their respective habitats that are protected under State and Federal Endangered Species Acts (CESA & FESA) respectively, at the two proposed project sites. See Figures 1 & 2.

## Project Description

The project area is located within Mendocino County among the rural hills approximately 5 miles south of Potter Valley and approximately 9.3 miles north northeast of Ukiah, CA. The Cold Creek Compost facility is situated at an elevation of approximately 1,530 feet above mean sea level and is surrounded by un-developed land, the nearest residence is located approximately 1 mile to the west along Potter Valley Rd. See Figure 3.

In order to accurately assess the potential impacts to wildlife species associated with these projects, all potential wildlife habitat at, and adjacent to, the project site was surveyed. This Assessment details potential impacts and reports conditions within the survey area. The proposed project area is situated on a ridge saddle between two un-named tributaries. The un-named tributary that would contain the proposed reservoir development was assessed to determine / confirm its anadromous potential and stream order classification (SHN 2019) and found that the proposed reservoir would have no effect on anadromous fish due to its position upstream of the barrier at Lake Mendocino.

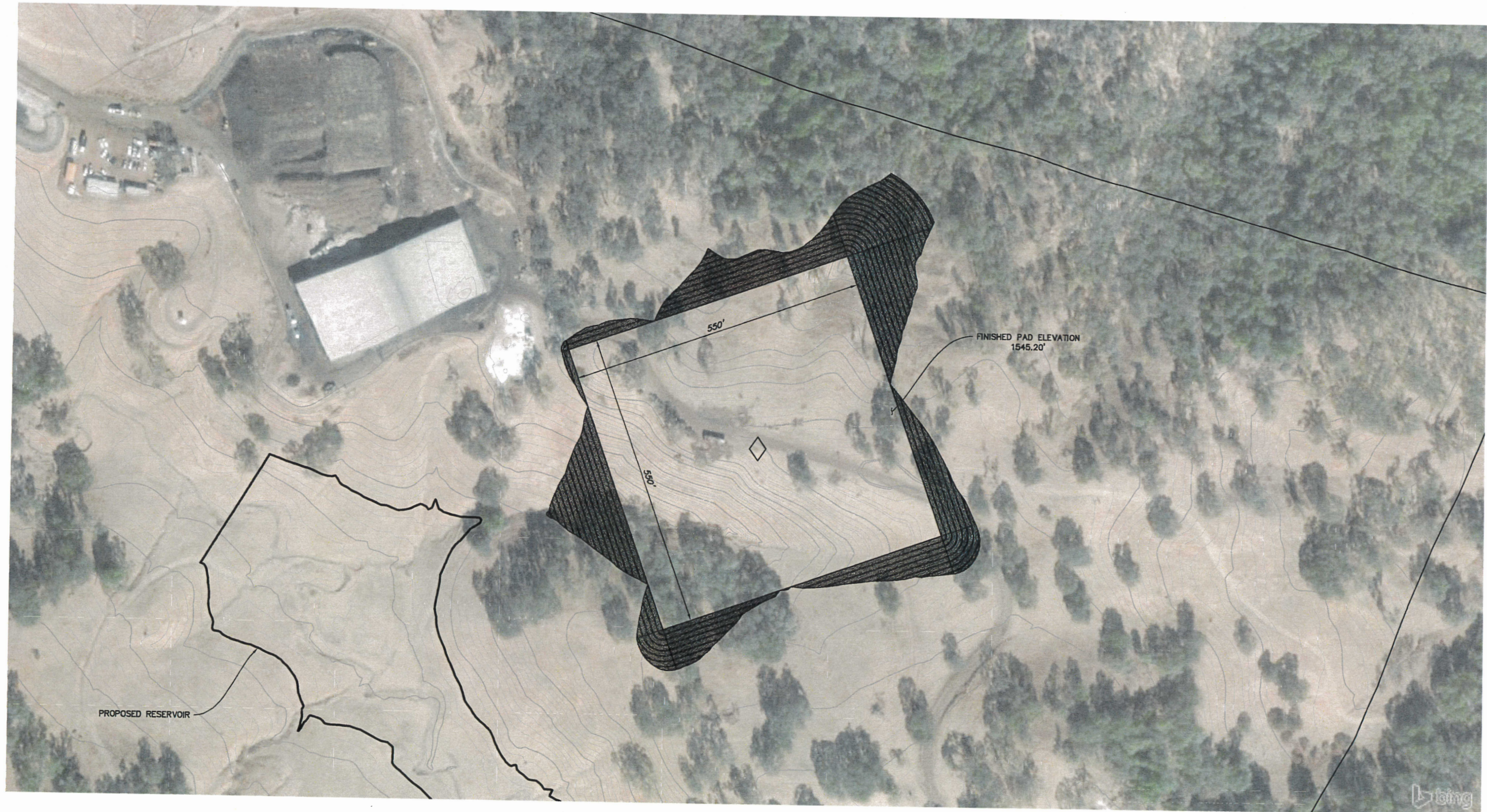
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<sup>1</sup> The Term "Special Status Species" is used collectively to refer to species that are State or federally listed, species that are State or federal candidates for listing, and all species listed by the California Natural Diversity Database. This term is consistent with the biological resources that need to be assessed pursuant to the California Environmental Quality Act.





SAVED: 11/6/2019 11:57 AM SAKTURAN, PLOTTED: 11/6/2019 12:10 PM SUYAR MERWAN AKTURAN  
 \\komathsvr\projects\CAD-FILES\WIPs\2019\419010-COLDCRK\419010-COLDCRK-SLAB(7).dwg



**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Surface6	1.000	1.000	433587.87 Sq. Ft.	121680.41 Cu. Yd.	121886.41 Cu. Yd.	206.00 Cu. Yd.<Fill>
<b>Totals</b>			433587.87 Sq. Ft.	121680.41 Cu. Yd.	121886.41 Cu. Yd.	206.00 Cu. Yd.<Fill>



**PLAN**



**7AC - 1545'**

**PRELIMINARY**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON FINISH SCALES ACCORDINGLY

335 S. MAIN ST.  
 WILLITS, CA 95490  
 WWW.SHIN-ENGR.COM  
 707-459-4318

NO.	DATE	REVISION	BY

DSGN DSGN  
 DR SMA  
 CHK DS  
 APVD DS

COLD CREEK COMPOST INC.  
 6000 EAST SIDE POTTER VALLEY ROAD  
 UKIAH, CALIFORNIA

**EARTHWORK CALCULATIONS**

SHEET  
**C-2**

SEQ

DATE 11/2019

PROJ. NO.  
 419010.100

Figure 1. Proposed setting for the Cold Creek Compost Facility Expansion

SAVED: 11/1/2019 3:02 PM SAKTURAN. PLOTTED: 11/1/2019 3:07 PM SUYAR MERIAN AKTURAN  
 \\kiamathsvr\projects\CAD-FILES\Willits\2019\419010-COLDCRK\419010-COLDCRK.dwg



**PLAN**  
 1"=150'

**PRELIMINARY**

VERIFY SCALES 8 1/2" IS ONE INCH ON ORIGINAL DRAWING 0 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY				335 S. MAIN ST. WILLITS, CA 95490 WWW.S&H-ENGR.COM 707-439-4518	
NO.	DATE	REVISION	BY		
DSGN DR SMA CHK DS APVD	COLD CREEK COMPOST INC. 6000 EAST SIDE POTTER VALLEY ROAD UKIAH, CALIFORNIA <b>JURISDICTIONAL DAM SIZE CALCULATIONS</b>				
SHEET	C-1				
SEQ					
DATE	11/2019				
PROJ. NO.	419010.200				

Figure 2. Proposed setting for the Cold Creek Compost Reservoir

On January 20<sup>th</sup>, 2020, SHN conducted a comprehensive field investigation for special status wildlife species, and their respective habitats, that have potential to occur within the project area with regard to possible effects that the proposed development of a new building pad and reservoir by Cold Creek Compost, Inc. could present.

The project is located within Mendocino County, United States Geological Survey (USGS) 7.5-minute Cow Mountain and Potter Valley topographic quadrangles. The proposed Cold Creek Compost Project consists of:

- Development of a building pad approximately 550' x 550' approximately 400 feet east of the current processing facility
- Improvement of the road between the two sites.
- Construction of a 45-acre foot reservoir in the headwaters of the drainage area approximately 400 feet south west of the proposed building pad site.

## Methodology

The survey protocol for this effort consisted of database queries and a focused biological field survey for target species within suitable and potentially suitable habitat. Prior to conducting the field investigation, the following references were reviewed:

- Biogeographical Information and Observation System CNDDDB query for Cow Mountain and the 8 surrounding USGS 7.5-minute topographic quadrangles<sup>2</sup> (BIOS; CDFW, 2018a).
- United States Fish and Wildlife Service (USFWS) Information for Planning and Conservation (IPaC) was queried for threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat that may occur within the proposed project area and/or may be affected by the proposed project (USFWS, 2018a).

Based on information generated from these queries to identify special status species that have potential to occur in the Project area, SHN conducted a focused, pedestrian field survey of the Project site and its surrounding area where suitable habitat may exist in order to determine if project activities would have any adverse impacts to identified species, or their habitat.

Based on the results of these database queries, a singular list of special status wildlife species with a potential to occur for the study area is presented as Appendix 1. This table represents 33 animal species reported by the CNDDDB and USFWS queries that have potential to occur in the project area, the individual database query results are included as Appendix 2 and 3.

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<sup>2</sup> Potter Valley, Ukiah, Cow Mtn., Upper Lake, Redwood Valley, Van Arsdale Reservoir, Elk Mtn., Lake Pillsbury, Foster Mtn.



## Results

Of the 33 wildlife species identified by the State and Federal database queries as having the potential to occur in the project area, six (6) species were identified to have Low potential to occur within the project area, four (4) species were identified as having a Moderate potential to occur and zero (0) species were identified as having a High potential to occur in or adjacent to the project. The remaining 24 wildlife species were determined to have no potential to occur in the Project area. See Appendix 1.

Determinations for each species were based on a consideration of the potential for occurrence and presence and the availability of suitable habitat, access or barrier issues to the project area as well as migration routes and historical observations of these species at, or near the project site.

A CNDDDB map was developed to indicate the presence of special status species identified to occur within one mile of the project area. See Figure 4. The solid red dot indicates the sighting of the western pond turtle (*Emy marmorata*), the red circle indicates the presence of the red-bellied newt (*Taricha rivularis*) and the red oblong with hash marks indicates detections of the Pallid bat (*Antrzous pallidus*). Due to the seasonal flow of the un-named tributary and the 1 mile distance from the site to the confluence with the East Fork Russian River, it is not likely that either the western pond turtle or the red-bellied newt would be able to establish a viable population in the project area and were determined to have no potential to occur in the project area.

Four species were determined to have a Moderate potential to exist. The Pallid bat is one of those species since habitat for the Pallid bat does occur within the rock outcroppings and woodland habitats surrounding the project area, therefore additional and seasonally appropriate survey efforts are suggested to determine if they utilize the project area. The white-tailed kite also has a Moderate potential to occur in the habitat surrounding the project area, a seasonally appropriate pre-construction nesting bird survey will determine if these birds are present. The Western bumble bee is the fourth species with a Moderate potential to occur, therefore a seasonally appropriate survey is suggested to determine if they are present during the floristic period when they would be most active and observable.



### Cold Creek Compost Site



Author: wmitche@shn-engr.com  
 Printed from <http://bos.dfg.ca.gov>

Figure 4. CNDDDB Map of Special Status Species with 1.5 miles of the Cold Creek Compost Facility. Solid red dot represents a western pond turtle, the red circle represents a red bellied newt and the red oblong with hashmarks represents Pallid bat detections.



## Conclusions

Based on the site specific conditions of the project location, the nature of the projects being proposed for development, the results of this site assessment investigation, and with the implementation of appropriate pre-construction surveys and subsequent minimization measures, this project is not likely to adversely affect any state or federal listed wildlife species.

Please call me at 707-459-4518 if you have any questions.

Sincerely,

**SHN**



Warren Mitchell  
Senior Fisheries/Wildlife Biologist

WSM:alh

- Appendices:
1. Regionally Occurring Special Status Species List
  2. CNDDDB Query Results
  3. USFWS IPaC Query Results



# Regionally Occurring Special Status Species 1

CNDDDB 9-Quad Species List 176 records.

Element Type	Scientific Name	Common Name	Element Code	Federal Status	State Status	CDFW Status	CA Rare Plant Rank	Quad Code	Quad Name	Data Status	Taxonomic Sort
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	SSC	-	3912342	FOSTER MTN.	Mapped	Animals - Amphibians - Ranidae - <i>Rana boylei</i>
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	SSC	-	3912341	VAN ARSDALE RESERVOIR	Mapped	Animals - Amphibians - Ranidae - <i>Rana boylei</i>
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	SSC	-	3912248	LAKE PILLSBURY	Mapped	Animals - Amphibians - Ranidae - <i>Rana boylei</i>
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	SSC	-	3912332	REDWOOD VALLEY	Mapped and Unprocessed	Animals - Amphibians - Ranidae - <i>Rana boylei</i>
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	SSC	-	3912331	POTTER VALLEY	Mapped	Animals - Amphibians - Ranidae - <i>Rana boylei</i>
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	SSC	-	3912238	ELK MOUNTAIN	Mapped	Animals - Amphibians - Ranidae - <i>Rana boylei</i>
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	SSC	-	3912322	UKIAH	Mapped and Unprocessed	Animals - Amphibians - Ranidae - <i>Rana boylei</i>
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	SSC	-	3912321	COW MOUNTAIN	Mapped	Animals - Amphibians - Ranidae - <i>Rana boylei</i>
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	SSC	-	3912228	UPPER LAKE	Mapped	Animals - Amphibians - Ranidae - <i>Rana boylei</i>
Animals - Amphibians	<i>Taricha rivularis</i>	red-bellied newt	AAAAF02020	None	None	SSC	-	3912321	COW MOUNTAIN	Mapped	Animals - Amphibians - Salamandridae - <i>Taricha rivularis</i>
Animals - Amphibians	<i>Taricha rivularis</i>	red-bellied newt	AAAAF02020	None	None	SSC	-	3912322	UKIAH	Mapped and Unprocessed	Animals - Amphibians - Salamandridae - <i>Taricha rivularis</i>
Animals - Birds	<i>Accipiter gentilis</i>	northern goshawk	ABNKC12060	None	None	SSC	-	3912238	ELK MOUNTAIN	Mapped	Animals - Birds - Accipitridae - <i>Accipiter gentilis</i>
Animals - Birds	<i>Accipiter gentilis</i>	northern goshawk	ABNKC12060	None	None	SSC	-	3912331	POTTER VALLEY	Mapped	Animals - Birds - Accipitridae - <i>Accipiter gentilis</i>
Animals - Birds	<i>Accipiter gentilis</i>	northern goshawk	ABNKC12060	None	None	SSC	-	3912341	VAN ARSDALE RESERVOIR	Mapped	Animals - Birds - Accipitridae - <i>Accipiter gentilis</i>
Animals - Birds	<i>Aquila chrysaetos</i>	golden eagle	ABNKC22010	None	None	FP - WL	-	3912321	COW MOUNTAIN	Unprocessed	Animals - Birds - Accipitridae - <i>Aquila chrysaetos</i>
Animals - Birds	<i>Elanus leucurus</i>	white-tailed kite	ABNKC06010	None	None	FP	-	3912332	REDWOOD VALLEY	Unprocessed	Animals - Birds - Accipitridae - <i>Elanus leucurus</i>
Animals - Birds	<i>Haliaeetus leucocephalus</i>	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912248	LAKE PILLSBURY	Mapped and Unprocessed	Animals - Birds - Accipitridae - <i>Haliaeetus leucocephalus</i>
Animals - Birds	<i>Haliaeetus leucocephalus</i>	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912341	VAN ARSDALE RESERVOIR	Mapped and Unprocessed	Animals - Birds - Accipitridae - <i>Haliaeetus leucocephalus</i>
Animals - Birds	<i>Ardea alba</i>	great egret	ABNGA04040	None	None	-	-	3912238	ELK MOUNTAIN	Unprocessed	Animals - Birds - Ardeidae - <i>Ardea alba</i>



Animals - Birds	<i>Ardea alba</i>	great egret	ABNGA04040	None	None	-	-	3912228	UPPER LAKE	Unprocessed	Animals - Birds - Ardeidae - <i>Ardea alba</i>
Animals - Birds	<i>Ardea herodias</i>	great blue heron	ABNGA04010	None	None	-	-	3912228	UPPER LAKE	Mapped and Unprocessed	Animals - Birds - Ardeidae - <i>Ardea herodias</i>
Animals - Birds	<i>Ardea herodias</i>	great blue heron	ABNGA04010	None	None	-	-	3912322	UKIAH	Unprocessed	Animals - Birds - Ardeidae - <i>Ardea herodias</i>
Animals - Birds	<i>Falco peregrinus anatum</i>	American peregrine falcon	ABNKD06071	Delisted	Delisted	FF	-	3912248	LAKE PILLSBURY	Unprocessed	Animals - Birds - Falconidae - <i>Falco peregrinus anatum</i>
Animals - Birds	<i>Progne subis</i>	purple martin	ABPAU01010	None	None	SSC	-	3912342	FOSTER MTN.	Unprocessed	Animals - Birds - Hirundinidae - <i>Progne subis</i>
Animals - Birds	<i>Progne subis</i>	purple martin	ABPAU01010	None	None	SSC	-	3912238	ELK MOUNTAIN	Mapped and Unprocessed	Animals - Birds - Hirundinidae - <i>Progne subis</i>
Animals - Birds	<i>Agelaius tricolor</i>	tricolored blackbird	ABPBX00020	None	Threatened	SSC	-	3912331	POTTER VALLEY	Mapped	Animals - Birds - Icteridae - <i>Agelaius tricolor</i>
Animals - Birds	<i>Agelaius tricolor</i>	tricolored blackbird	ABPBX00020	None	Threatened	SSC	-	3912228	UPPER LAKE	Mapped	Animals - Birds - Icteridae - <i>Agelaius tricolor</i>
Animals - Birds	<i>Icteria virens</i>	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912331	POTTER VALLEY	Unprocessed	Animals - Birds - Icteridae - <i>Icteria virens</i>
Animals - Birds	<i>Icteria virens</i>	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912322	UKIAH	Unprocessed	Animals - Birds - Icteridae - <i>Icteria virens</i>
Animals - Birds	<i>Icteria virens</i>	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912321	COW MOUNTAIN	Unprocessed	Animals - Birds - Icteridae - <i>Icteria virens</i>
Animals - Birds	<i>Icteria virens</i>	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912332	REDWOOD VALLEY	Unprocessed	Animals - Birds - Icteridae - <i>Icteria virens</i>
Animals - Birds	<i>Pandion haliaetus</i>	osprey	ABNKC01010	None	None	WL	-	3912248	LAKE PILLSBURY	Mapped and Unprocessed	Animals - Birds - Pandionidae - <i>Pandion haliaetus</i>
Animals - Birds	<i>Pandion haliaetus</i>	osprey	ABNKC01010	None	None	WL	-	3912341	VAN ARSDALE RESERVOIR	Mapped and Unprocessed	Animals - Birds - Pandionidae - <i>Pandion haliaetus</i>
Animals - Birds	<i>Pandion haliaetus</i>	osprey	ABNKC01010	None	None	WL	-	3912322	UKIAH	Mapped	Animals - Birds - Pandionidae - <i>Pandion haliaetus</i>
Animals - Birds	<i>Pandion haliaetus</i>	osprey	ABNKC01010	None	None	WL	-	3912331	POTTER VALLEY	Unprocessed	Animals - Birds - Pandionidae - <i>Pandion haliaetus</i>
Animals - Birds	<i>Baeolophus inornatus</i>	oak titmouse	ABPAW01100	None	None	-	-	3912322	UKIAH	Unprocessed	Animals - Birds - Paridae - <i>Baeolophus inornatus</i>
Animals - Birds	<i>Setophaga petechia</i>	yellow warbler	ABPBX03010	None	None	SSC	-	3912331	POTTER VALLEY	Unprocessed	Animals - Birds - Parulidae - <i>Setophaga petechia</i>
Animals - Birds	<i>Setophaga petechia</i>	yellow warbler	ABPBX03010	None	None	SSC	-	3912248	LAKE PILLSBURY	Unprocessed	Animals - Birds - Parulidae - <i>Setophaga petechia</i>
Animals - Birds	<i>Artemisiospiza belli belli</i>	Bell's sage sparrow	ABPBX07021	None	None	WL	-	3912248	LAKE PILLSBURY	Unprocessed	Animals - Birds - Passerellidae - <i>Artemisiospiza belli belli</i>
Animals - Birds	<i>Phalacrocorax auritus</i>	double-crested cormorant	ABNFD01020	None	None	WL	-	3912228	UPPER LAKE	Mapped and Unprocessed	Animals - Birds - Phalacrocoracidae - <i>Phalacrocorax auritus</i>
Animals - Birds	<i>Melanerpes lewis</i>	Lewis' woodpecker	ABNYF04010	None	None	-	-	3912322	UKIAH	Unprocessed	Animals - Birds - Picidae - <i>Melanerpes lewis</i>
Animals - Birds	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	ABNSB12011	Threatened	Threatened	-	-	3912238	ELK MOUNTAIN	Mapped	Animals - Birds - Strigidae - <i>Strix occidentalis caurina</i>

Animals - Birds	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	ABNSB12011	Threatened	Threatened	-	-	3912248	LAKE PILLSBURY	Mapped	Animals - Birds - Strigidae - <i>Strix occidentalis caurina</i>
Animals - Birds	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	ABNSB12011	Threatened	Threatened	-	-	3912331	POTTER VALLEY	Mapped	Animals - Birds - Strigidae - <i>Strix occidentalis caurina</i>
Animals - Birds	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	ABNSB12011	Threatened	Threatened	-	-	3912332	REDWOOD VALLEY	Mapped	Animals - Birds - Strigidae - <i>Strix occidentalis caurina</i>
Animals - Birds	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	ABNSB12011	Threatened	Threatened	-	-	3912341	VAN ARSDALE RESERVOIR	Mapped	Animals - Birds - Strigidae - <i>Strix occidentalis caurina</i>
Animals - Birds	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	ABNSB12011	Threatened	Threatened	-	-	3912342	FOSTER MTN.	Mapped	Animals - Birds - Strigidae - <i>Strix occidentalis caurina</i>
Animals - Crustaceans	<i>Pacifastacus leniusculus klamathensis</i>	Klamath crayfish	ICMAL31042	None	None	-	-	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Animals - Crustaceans - Astacidae - <i>Pacifastacus leniusculus klamathensis</i>
Animals - Fish	<i>Lavinia exilicauda chi</i>	Clear Lake hitch	AFCJB19011	None	Threatened	-	-	3912228	UPPER LAKE	Mapped and Unprocessed	Animals - Fish - Cyprinidae - <i>Lavinia exilicauda chi</i>
Animals - Fish	<i>Hysterothorax traskii lagunae</i>	Clear Lake tule perch	AFCQK02013	None	None	SSC	-	3912228	UPPER LAKE	Mapped	Animals - Fish - Embiotocidae - <i>Hysterothorax traskii lagunae</i>
Animals - Fish	<i>Hysterothorax traskii lagunae</i>	Clear Lake tule perch	AFCQK02013	None	None	SSC	-	3912321	COW MOUNTAIN	Mapped	Animals - Fish - Embiotocidae - <i>Hysterothorax traskii lagunae</i>
Animals - Fish	<i>Hysterothorax traskii pomo</i>	Russian River tule perch	AFCQK02011	None	None	SSC	-	3912321	COW MOUNTAIN	Unprocessed	Animals - Fish - Embiotocidae - <i>Hysterothorax traskii pomo</i>
Animals - Fish	<i>Hysterothorax traskii pomo</i>	Russian River tule perch	AFCQK02011	None	None	SSC	-	3912322	UKIAH	Unprocessed	Animals - Fish - Embiotocidae - <i>Hysterothorax traskii pomo</i>
Animals - Fish	<i>Hysterothorax traskii pomo</i>	Russian River tule perch	AFCQK02011	None	None	SSC	-	3912331	POTTER VALLEY	Unprocessed	Animals - Fish - Embiotocidae - <i>Hysterothorax traskii pomo</i>
Animals - Fish	<i>Hysterothorax traskii pomo</i>	Russian River tule perch	AFCQK02011	None	None	SSC	-	3912332	REDWOOD VALLEY	Unprocessed	Animals - Fish - Embiotocidae - <i>Hysterothorax traskii pomo</i>
Animals - Fish	<i>Entosphenus tridentatus</i>	Pacific lamprey	AFBAA02100	None	None	SSC	-	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Animals - Fish - Petromyzontidae - <i>Entosphenus tridentatus</i>
Animals - Fish	<i>Oncorhynchus kisutch pop. 2</i>	coho salmon - southern Oregon / northern California ESU	AFCHA02032	Threatened	Threatened	-	-	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Animals - Fish - Salmonidae - <i>Oncorhynchus kisutch pop. 2</i>
Animals - Fish	<i>Oncorhynchus kisutch pop. 2</i>	coho salmon - southern Oregon / northern California ESU	AFCHA02032	Threatened	Threatened	-	-	3912342	FOSTER MTN.	Unprocessed	Animals - Fish - Salmonidae - <i>Oncorhynchus kisutch pop. 2</i>
Animals - Fish	<i>Oncorhynchus kisutch pop. 4</i>	coho salmon - central California coast ESU	AFCHA02034	Endangered	Endangered	-	-	3912322	UKIAH	Unprocessed	Animals - Fish - Salmonidae - <i>Oncorhynchus kisutch pop. 4</i>
Animals - Fish	<i>Oncorhynchus mykiss irideus pop. 16</i>	steelhead - northern California DPS	AFCHA0209Q	Threatened	None	-	-	3912238	ELK MOUNTAIN	Unprocessed	Animals - Fish - Salmonidae - <i>Oncorhynchus mykiss irideus pop. 16</i>

Animals - Fish	Oncorhynchus mykiss irideus pop. 16	steelhead - northern California DPS	AFCHA0209Q	Threatened	None	-	-	3912342	FOSTER MTN.	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 16
Animals - Fish	Oncorhynchus mykiss irideus pop. 16	steelhead - northern California DPS	AFCHA0209Q	Threatened	None	-	-	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 16
Animals - Fish	Oncorhynchus mykiss irideus pop. 16	steelhead - northern California DPS	AFCHA0209Q	Threatened	None	-	-	3912248	LAKE PILLSBURY	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 16
Animals - Fish	Oncorhynchus mykiss irideus pop. 8	steelhead - central California coast DPS	AFCHA0209G	Threatened	None	-	-	3912332	REDWOOD VALLEY	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 8
Animals - Fish	Oncorhynchus mykiss irideus pop. 8	steelhead - central California coast DPS	AFCHA0209G	Threatened	None	-	-	3912322	UKIAH	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 8
Animals - Fish	Oncorhynchus mykiss irideus pop. 8	steelhead - central California coast DPS	AFCHA0209G	Threatened	None	-	-	3912321	COW MOUNTAIN	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus mykiss irideus pop. 8
Animals - Fish	Oncorhynchus tshawytscha pop. 17	chinook salmon - California coastal ESU	AFCHA0205S	Threatened	None	-	-	3912322	UKIAH	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop. 17
Animals - Fish	Oncorhynchus tshawytscha pop. 17	chinook salmon - California coastal ESU	AFCHA0205S	Threatened	None	-	-	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Animals - Fish - Salmonidae - Oncorhynchus tshawytscha pop. 17
Animals - Insects	Andrena blennospermatis	Blennosperma vernal pool andrenid bee	IIHYM35030	None	None	-	-	3912228	UPPER LAKE	Mapped	Animals - Insects - Andrenidae - Andrena blennospermatis
Animals - Insects	Bombus occidentalis	western bumble bee	IIHYM24250	None	Candidate Endangered	-	-	3912228	UPPER LAKE	Mapped	Animals - Insects - Apidae - Bombus occidentalis
Animals - Insects	Bombus occidentalis	western bumble bee	IIHYM24250	None	Candidate Endangered	-	-	3912321	COW MOUNTAIN	Mapped and Unprocessed	Animals - Insects - Apidae - Bombus occidentalis
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912322	UKIAH	Mapped and Unprocessed	Animals - Mammals - Erethizontidae - Erethizon dorsatum
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912332	REDWOOD VALLEY	Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912248	LAKE PILLSBURY	Unprocessed	Animals - Mammals - Molossidae - Eumops perotis californicus
Animals - Mammals	Arborimus pomo	Sonoma tree vole	AMAFF23030	None	None	SSC	-	3912341	VAN ARSDALE RESERVOIR	Mapped and Unprocessed	Animals - Mammals - Muridae - Arborimus pomo
Animals - Mammals	Arborimus pomo	Sonoma tree vole	AMAFF23030	None	None	SSC	-	3912331	POTTER VALLEY	Unprocessed	Animals - Mammals - Muridae - Arborimus pomo
Animals - Mammals	Martes caurina humboldtensis	Humboldt marten	AMAJF01012	None	Endangered	SSC	-	3912341	VAN ARSDALE RESERVOIR	Mapped	Animals - Mammals - Mustelidae - Martes caurina humboldtensis

Animals - Mammals	<i>Martes caurina humboldtensis</i>	Humboldt marten	AMAJF01012	None	Endangered	SSC	-	3912248	LAKE PILLSBURY	Mapped	Animals - Mammals - Mustelidae - <i>Martes caurina humboldtensis</i>
Animals - Mammals	<i>Pekania pennanti</i>	fisher - West Coast DPS	AMAJF01021	None	Threatened	SSC	-	3912248	LAKE PILLSBURY	Mapped	Animals - Mammals - Mustelidae - <i>Pekania pennanti</i>
Animals - Mammals	<i>Pekania pennanti</i>	fisher - West Coast DPS	AMAJF01021	None	Threatened	SSC	-	3912332	REDWOOD VALLEY	Mapped	Animals - Mammals - Mustelidae - <i>Pekania pennanti</i>
Animals - Mammals	<i>Pekania pennanti</i>	fisher - West Coast DPS	AMAJF01021	None	Threatened	SSC	-	3912341	VAN ARSDALE RESERVOIR	Mapped	Animals - Mammals - Mustelidae - <i>Pekania pennanti</i>
Animals - Mammals	<i>Pekania pennanti</i>	fisher - West Coast DPS	AMAJF01021	None	Threatened	SSC	-	3912342	FOSTER MTN.	Mapped	Animals - Mammals - Mustelidae - <i>Pekania pennanti</i>
Animals - Mammals	<i>Pekania pennanti</i>	fisher - West Coast DPS	AMAJF01021	None	Threatened	SSC	-	3912331	POTTER VALLEY	Unprocessed	Animals - Mammals - Mustelidae - <i>Pekania pennanti</i>
Animals - Mammals	<i>Taxidea taxus</i>	American badger	AMAJF04010	None	None	SSC	-	3912238	ELK MOUNTAIN	Unprocessed	Animals - Mammals - Mustelidae - <i>Taxidea taxus</i>
Animals - Mammals	<i>Taxidea taxus</i>	American badger	AMAJF04010	None	None	SSC	-	3912332	REDWOOD VALLEY	Unprocessed	Animals - Mammals - Mustelidae - <i>Taxidea taxus</i>
Animals - Mammals	<i>Taxidea taxus</i>	American badger	AMAJF04010	None	None	SSC	-	3912228	UPPER LAKE	Mapped	Animals - Mammals - Mustelidae - <i>Taxidea taxus</i>
Animals - Mammals	<i>Antrozous pallidus</i>	pallid bat	AMACC10010	None	None	SSC	-	3912248	LAKE PILLSBURY	Unprocessed	Animals - Mammals - Vespertilionidae - <i>Antrozous pallidus</i>
Animals - Mammals	<i>Antrozous pallidus</i>	pallid bat	AMACC10010	None	None	SSC	-	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Animals - Mammals - Vespertilionidae - <i>Antrozous pallidus</i>
Animals - Mammals	<i>Antrozous pallidus</i>	pallid bat	AMACC10010	None	None	SSC	-	3912331	POTTER VALLEY	Unprocessed	Animals - Mammals - Vespertilionidae - <i>Antrozous pallidus</i>
Animals - Mammals	<i>Antrozous pallidus</i>	pallid bat	AMACC10010	None	None	SSC	-	3912332	REDWOOD VALLEY	Unprocessed	Animals - Mammals - Vespertilionidae - <i>Antrozous pallidus</i>
Animals - Mammals	<i>Antrozous pallidus</i>	pallid bat	AMACC10010	None	None	SSC	-	3912321	COW MOUNTAIN	Mapped	Animals - Mammals - Vespertilionidae - <i>Antrozous pallidus</i>
Animals - Mammals	<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3912332	REDWOOD VALLEY	Mapped and Unprocessed	Animals - Mammals - Vespertilionidae - <i>Corynorhinus townsendii</i>
Animals - Mammals	<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3912331	POTTER VALLEY	Unprocessed	Animals - Mammals - Vespertilionidae - <i>Corynorhinus townsendii</i>
Animals - Mammals	<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Animals - Mammals - Vespertilionidae - <i>Corynorhinus townsendii</i>
Animals - Mammals	<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3912248	LAKE PILLSBURY	Unprocessed	Animals - Mammals - Vespertilionidae - <i>Corynorhinus townsendii</i>

Animals - Mammals	Lasiurus blossevillei	western red bat	AMACC05060	None	None	SSC	-	3912332	REDWOOD VALLEY	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus blossevillei
Animals - Mammals	Lasiurus blossevillei	western red bat	AMACC05060	None	None	SSC	-	3912248	LAKE PILLSBURY	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus blossevillei
Animals - Mammals	Lasiurus blossevillei	western red bat	AMACC05060	None	None	SSC	-	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Animals - Mammals - Vespertilionidae - Lasiurus blossevillei
Animals - Mammals	Myotis thysanodes	fringed myotis	AMACC01090	None	None	-	-	3912248	LAKE PILLSBURY	Unprocessed	Animals - Mammals - Vespertilionidae - Myotis thysanodes
Animals - Mollusks	Lanx klamathensis	scale lanx	IMGASL7020	None	None	-	-	3912228	UPPER LAKE	Unprocessed	Animals - Mollusks - Lymnaeidae - Lanx klamathensis
Animals - Mollusks	Anodonta californiensis	California floater	IMBIV04020	None	None	-	-	3912342	FOSTER MTN.	Unprocessed	Animals - Mollusks - Unionidae - Anodonta californiensis
Animals - Mollusks	Gonidea angulata	western ridged mussel	IMBIV19010	None	None	-	-	3912321	COW MOUNTAIN	Unprocessed	Animals - Mollusks - Unionidae - Gonidea angulata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912321	COW MOUNTAIN	Mapped and Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912322	UKIAH	Mapped and Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912238	ELK MOUNTAIN	Mapped and Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912331	POTTER VALLEY	Mapped and Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912342	FOSTER MTN.	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912248	LAKE PILLSBURY	Mapped and Unprocessed	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912332	REDWOOD VALLEY	Mapped	Animals - Reptiles - Emydidae - Emys marmorata
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912228	UPPER LAKE	Mapped	Animals - Reptiles - Emydidae - Emys marmorata
Community - Terrestrial	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	CTT52410CA	None	None	-	-	3912228	UPPER LAKE	Mapped	Community - Terrestrial - Coastal and Valley Freshwater Marsh
Plants - Bryophytes	Trichodon cylindricus	cylindrical trichodon	NBMUS7N020	None	None	-	2B.2	3912341	VAN ARSDALE RESERVOIR	Mapped	Plants - Bryophytes - Ditrichaceae - Trichodon cylindricus
Plants - Bryophytes	Grimmia torenii	Toren's grimmia	NBMUS32330	None	None	-	1B.3	3912248	LAKE PILLSBURY	Mapped	Plants - Bryophytes - Grimmiaceae - Grimmia torenii
Plants - Bryophytes	Grimmia torenii	Toren's grimmia	NBMUS32330	None	None	-	1B.3	3912238	ELK MOUNTAIN	Mapped	Plants - Bryophytes - Grimmiaceae - Grimmia torenii
Plants - Bryophytes	Grimmia torenii	Toren's grimmia	NBMUS32330	None	None	-	1B.3	3912321	COW MOUNTAIN	Mapped	Plants - Bryophytes - Grimmiaceae - Grimmia torenii

Plants - Bryophytes	Grimmia torenii	Toren's grimmia	NBMUS32330	None	None	-	1B.3	3912228	UPPER LAKE	Mapped	Plants - Bryophytes - Grimmiaceae - Grimmia torenii
Plants - Vascular	Calycadenia micrantha	small-flowered calycadenia	PDAST1P0C0	None	None	-	1B.2	3912228	UPPER LAKE	Mapped	Plants - Vascular - Asteraceae - Calycadenia micrantha
Plants - Vascular	Calycadenia micrantha	small-flowered calycadenia	PDAST1P0C0	None	None	-	1B.2	3912238	ELK MOUNTAIN	Mapped	Plants - Vascular - Asteraceae - Calycadenia micrantha
Plants - Vascular	Hemizonia congesta ssp. calyculata	Mendocino tarplant	PDAST4R063	None	None	-	4.3	3912238	ELK MOUNTAIN	Unprocessed	Plants - Vascular - Asteraceae - Hemizonia congesta ssp. calyculata
Plants - Vascular	Hemizonia congesta ssp. calyculata	Mendocino tarplant	PDAST4R063	None	None	-	4.3	3912321	COW MOUNTAIN	Unprocessed	Plants - Vascular - Asteraceae - Hemizonia congesta ssp. calyculata
Plants - Vascular	Hemizonia congesta ssp. calyculata	Mendocino tarplant	PDAST4R063	None	None	-	4.3	3912322	UKIAH	Unprocessed	Plants - Vascular - Asteraceae - Hemizonia congesta ssp. calyculata
Plants - Vascular	Hemizonia congesta ssp. calyculata	Mendocino tarplant	PDAST4R063	None	None	-	4.3	3912228	UPPER LAKE	Unprocessed	Plants - Vascular - Asteraceae - Hemizonia congesta ssp. calyculata
Plants - Vascular	Lasthenia burkei	Burke's goldfields	PDAST5L010	Endangered	Endangered	-	1B.1	3912322	UKIAH	Mapped	Plants - Vascular - Asteraceae - Lasthenia burkei
Plants - Vascular	Tracyina rostrata	beaked tracyina	PDAST9D010	None	None	-	1B.2	3912332	REDWOOD VALLEY	Unprocessed	Plants - Vascular - Asteraceae - Tracyina rostrata
Plants - Vascular	Cryptantha excavata	deep-scarred cryptantha	PDBOR0A0W0	None	None	-	1B.1	3912342	FOSTER MTN.	Mapped	Plants - Vascular - Boraginaceae - Cryptantha excavata
Plants - Vascular	Plagiobothrys lithocaryus	Mayacamas popcornflower	PDBOR0V0P0	None	None	-	1A	3912332	REDWOOD VALLEY	Mapped	Plants - Vascular - Boraginaceae - Plagiobothrys lithocaryus
Plants - Vascular	Plagiobothrys lithocaryus	Mayacamas popcornflower	PDBOR0V0P0	None	None	-	1A	3912331	POTTER VALLEY	Mapped	Plants - Vascular - Boraginaceae - Plagiobothrys lithocaryus
Plants - Vascular	Streptanthus glandulosus ssp. hoffmanii	Hoffman's bristly jewelflower	PDBRA2G0J4	None	None	-	1B.3	3912321	COW MOUNTAIN	Mapped	Plants - Vascular - Brassicaceae - Streptanthus glandulosus ssp. hoffmanii
Plants - Vascular	Brasenia schreberi	watershield	PDCAB01010	None	None	-	2B.3	3912228	UPPER LAKE	Mapped	Plants - Vascular - Cabombaceae - Brasenia schreberi
Plants - Vascular	Cuscuta jepsonii	Jepson's dodder	PDCUS011T0	None	None	-	1B.2	3912238	ELK MOUNTAIN	Mapped	Plants - Vascular - Convolvulaceae - Cuscuta jepsonii
Plants - Vascular	Cuscuta jepsonii	Jepson's dodder	PDCUS011T0	None	None	-	1B.2	3912341	VAN ARSDALE RESERVOIR	Mapped	Plants - Vascular - Convolvulaceae - Cuscuta jepsonii
Plants - Vascular	Carex comosa	bristly sedge	PMCYP032Y0	None	None	-	2B.1	3912321	COW MOUNTAIN	Mapped	Plants - Vascular - Cyperaceae - Carex comosa
Plants - Vascular	Carex comosa	bristly sedge	PMCYP032Y0	None	None	-	2B.1	3912228	UPPER LAKE	Mapped	Plants - Vascular - Cyperaceae - Carex comosa
Plants - Vascular	Arctostaphylos manzanita ssp. elegans	Konocti manzanita	PDERJ04271	None	None	-	1B.3	3912248	LAKE PILLSBURY	Mapped	Plants - Vascular - Ericaceae - Arctostaphylos manzanita ssp. elegans

Plants - Vascular	<i>Arctostaphylos stanfordiana</i> ssp. raichei	Raiche's manzanita	PDERI041G2	None	None	-	1B.1	3912321	COW MOUNTAIN	Mapped	Plants - Vascular - Ericaceae - <i>Arctostaphylos stanfordiana</i> ssp. raichei
Plants - Vascular	<i>Arctostaphylos stanfordiana</i> ssp. raichei	Raiche's manzanita	PDERI041G2	None	None	-	1B.1	3912322	UKIAH	Mapped	Plants - Vascular - Ericaceae - <i>Arctostaphylos stanfordiana</i> ssp. raichei
Plants - Vascular	<i>Astragalus breweri</i>	Brewer's milk-vetch	PDFAB0F1J0	None	None	-	4.2	3912331	POTTER VALLEY	Unprocessed	Plants - Vascular - Fabaceae - <i>Astragalus breweri</i>
Plants - Vascular	<i>Astragalus breweri</i>	Brewer's milk-vetch	PDFAB0F1J0	None	None	-	4.2	3912228	UPPER LAKE	Unprocessed	Plants - Vascular - Fabaceae - <i>Astragalus breweri</i>
Plants - Vascular	<i>Fritillaria agrestis</i>	stinkbells	PMLIL0V010	None	None	-	4.2	3912322	UKIAH	Unprocessed	Plants - Vascular - Liliaceae - <i>Fritillaria agrestis</i>
Plants - Vascular	<i>Fritillaria purdyi</i>	Purdy's fritillary	PMLIL0V0H0	None	None	-	4.3	3912322	UKIAH	Unprocessed	Plants - Vascular - Liliaceae - <i>Fritillaria purdyi</i>
Plants - Vascular	<i>Fritillaria purdyi</i>	Purdy's fritillary	PMLIL0V0H0	None	None	-	4.3	3912332	REDWOOD VALLEY	Unprocessed	Plants - Vascular - Liliaceae - <i>Fritillaria purdyi</i>
Plants - Vascular	<i>Fritillaria purdyi</i>	Purdy's fritillary	PMLIL0V0H0	None	None	-	4.3	3912331	POTTER VALLEY	Unprocessed	Plants - Vascular - Liliaceae - <i>Fritillaria purdyi</i>
Plants - Vascular	<i>Fritillaria purdyi</i>	Purdy's fritillary	PMLIL0V0H0	None	None	-	4.3	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Plants - Vascular - Liliaceae - <i>Fritillaria purdyi</i>
Plants - Vascular	<i>Limnanthes bakeri</i>	Baker's meadowfoam	PDLIM02020	None	Rare	-	1B.1	3912322	UKIAH	Mapped	Plants - Vascular - Limnaceae - <i>Limnanthes bakeri</i>
Plants - Vascular	<i>Hesperolinon adenophyllum</i>	glandular western flax	PDLIN01010	None	None	-	1B.2	3912321	COW MOUNTAIN	Mapped	Plants - Vascular - Linaceae - <i>Hesperolinon adenophyllum</i>
Plants - Vascular	<i>Hesperolinon adenophyllum</i>	glandular western flax	PDLIN01010	None	None	-	1B.2	3912238	ELK MOUNTAIN	Mapped	Plants - Vascular - Linaceae - <i>Hesperolinon adenophyllum</i>
Plants - Vascular	<i>Hesperolinon adenophyllum</i>	glandular western flax	PDLIN01010	None	None	-	1B.2	3912331	POTTER VALLEY	Mapped	Plants - Vascular - Linaceae - <i>Hesperolinon adenophyllum</i>
Plants - Vascular	<i>Hesperolinon adenophyllum</i>	glandular western flax	PDLIN01010	None	None	-	1B.2	3912248	LAKE PILLSBURY	Mapped	Plants - Vascular - Linaceae - <i>Hesperolinon adenophyllum</i>
Plants - Vascular	<i>Hesperolinon adenophyllum</i>	glandular western flax	PDLIN01010	None	None	-	1B.2	3912341	VAN ARSDALE RESERVOIR	Mapped	Plants - Vascular - Linaceae - <i>Hesperolinon adenophyllum</i>
Plants - Vascular	<i>Hesperolinon adenophyllum</i>	glandular western flax	PDLIN01010	None	None	-	1B.2	3912342	FOSTER MTN.	Mapped	Plants - Vascular - Linaceae - <i>Hesperolinon adenophyllum</i>
Plants - Vascular	<i>Hesperolinon adenophyllum</i>	glandular western flax	PDLIN01010	None	None	-	1B.2	3912228	UPPER LAKE	Mapped	Plants - Vascular - Linaceae - <i>Hesperolinon adenophyllum</i>
Plants - Vascular	<i>Hesperolinon drymarioides</i>	drymaria-like western flax	PDLIN01090	None	None	-	1B.2	3912238	ELK MOUNTAIN	Mapped	Plants - Vascular - Linaceae - <i>Hesperolinon drymarioides</i>
Plants - Vascular	<i>Sidalcea hickmanii</i> ssp. pillsburiensis	Lake Pillsbury checkerbloom	PDMAL110A5	None	None	-	1B.2	3912248	LAKE PILLSBURY	Mapped	Plants - Vascular - Malvaceae - <i>Sidalcea hickmanii</i> ssp. pillsburiensis
Plants - Vascular	<i>Sidalcea oregana</i> ssp. hydrophila	marsh checkerbloom	PDMAL110K2	None	None	-	1B.2	3912248	LAKE PILLSBURY	Mapped	Plants - Vascular - Malvaceae - <i>Sidalcea oregana</i> ssp. hydrophila

Plants - Vascular	<i>Sidalcea oregana</i> ssp. <i>hydrophila</i>	marsh checkerbloom	PDMAL110K2	None	None	-	1B.2	3912238	ELK MOUNTAIN	Mapped	Plants - Vascular - Malvaceae - <i>Sidalcea oregana</i> ssp. <i>hydrophila</i>
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>tracyi</i>	Tracy's clarkia	PDONA050J4	None	None	-	4.2	3912238	ELK MOUNTAIN	Unprocessed	Plants - Vascular - Onagraceae - <i>Clarkia gracilis</i> ssp. <i>tracyi</i>
Plants - Vascular	<i>Cypripedium californicum</i>	California lady's-slipper	PMORC0Q040	None	None	-	4.2	3912322	UKIAH	Unprocessed	Plants - Vascular - Orchidaceae - <i>Cypripedium californicum</i>
Plants - Vascular	<i>Cypripedium montanum</i>	mountain lady's-slipper	PMORC0Q080	None	None	-	4.2	3912322	UKIAH	Unprocessed	Plants - Vascular - Orchidaceae - <i>Cypripedium montanum</i>
Plants - Vascular	<i>Erythranthe nudata</i>	bare monkeyflower	PDSCR1B200	None	None	-	4.3	3912238	ELK MOUNTAIN	Unprocessed	Plants - Vascular - Phrymaceae - <i>Erythranthe nudata</i>
Plants - Vascular	<i>Erythranthe nudata</i>	bare monkeyflower	PDSCR1B200	None	None	-	4.3	3912342	FOSTER MTN.	Unprocessed	Plants - Vascular - Phrymaceae - <i>Erythranthe nudata</i>
Plants - Vascular	<i>Leptosiphon acicularis</i>	bristly leptosiphon	PDPLM09010	None	None	-	4.2	3912342	FOSTER MTN.	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon acicularis</i>
Plants - Vascular	<i>Leptosiphon acicularis</i>	bristly leptosiphon	PDPLM09010	None	None	-	4.2	3912332	REDWOOD VALLEY	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon acicularis</i>
Plants - Vascular	<i>Leptosiphon acicularis</i>	bristly leptosiphon	PDPLM09010	None	None	-	4.2	3912331	POTTER VALLEY	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon acicularis</i>
Plants - Vascular	<i>Leptosiphon acicularis</i>	bristly leptosiphon	PDPLM09010	None	None	-	4.2	3912322	UKIAH	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon acicularis</i>
Plants - Vascular	<i>Leptosiphon acicularis</i>	bristly leptosiphon	PDPLM09010	None	None	-	4.2	3912228	UPPER LAKE	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon acicularis</i>
Plants - Vascular	<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	PDPLM09150	None	None	-	4.3	3912322	UKIAH	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon latisectus</i>
Plants - Vascular	<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	PDPLM09150	None	None	-	4.3	3912331	POTTER VALLEY	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon latisectus</i>
Plants - Vascular	<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	PDPLM09150	None	None	-	4.3	3912248	LAKE PILLSBURY	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon latisectus</i>
Plants - Vascular	<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	PDPLM09150	None	None	-	4.3	3912342	FOSTER MTN.	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon latisectus</i>
Plants - Vascular	<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	PDPLM09150	None	None	-	4.3	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon latisectus</i>
Plants - Vascular	<i>Leptosiphon rattanii</i>	Rattan's leptosiphon	PDPLM09110	None	None	-	4.3	3912248	LAKE PILLSBURY	Unprocessed	Plants - Vascular - Polemoniaceae - <i>Leptosiphon rattanii</i>
Plants - Vascular	<i>Navaretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navaretia	PDPLMOC0E1	None	None	-	1B.1	3912332	REDWOOD VALLEY	Mapped	Plants - Vascular - Polemoniaceae - <i>Navaretia leucocephala</i> ssp. <i>bakeri</i>
Plants - Vascular	<i>Navaretia leucocephala</i> ssp. <i>bakeri</i>	Baker's navaretia	PDPLMOC0E1	None	None	-	1B.1	3912322	UKIAH	Mapped	Plants - Vascular - Polemoniaceae - <i>Navaretia leucocephala</i> ssp. <i>bakeri</i>



Plants - Vascular	Ranunculus lobbii	Lobb's aquatic buttercup	PDRAN0L1J0	None	None	-	4.2	3912322	UKIAH	Unprocessed	Plants - Vascular - Ranunculaceae - Ranunculus lobbii
Plants - Vascular	Ceanothus pinetorum	Kern ceanothus	PDRHA04130	None	None	-	4.3	3912341	VAN ARSDALE RESERVOIR	Unprocessed	Plants - Vascular - Rhamnaceae - Ceanothus pinetorum

# CNDDDB Query Results **2**



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Arcata Fish And Wildlife Office  
1655 Heindon Road  
Arcata, CA 95521-4573  
Phone: (707) 822-7201 Fax: (707) 822-8411

In Reply Refer To:

May 14, 2020

Consultation Code: 08EACT00-2020-SLI-0082

Event Code: 08EACT00-2020-E-00581

Project Name: Cold Creek Compost Co.

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
-

## Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Arcata Fish And Wildlife Office**

1655 Heindon Road

Arcata, CA 95521-4573

(707) 822-7201

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## Project Summary

Consultation Code: 08EACT00-2020-SLI-0082

Event Code: 08EACT00-2020-E-00581

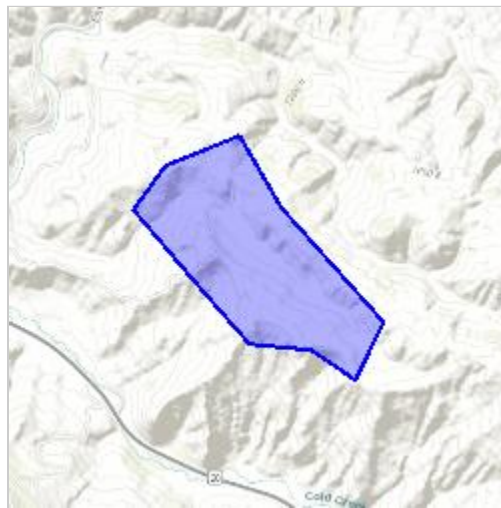
Project Name: Cold Creek Compost Co.

Project Type: DAM

Project Description: Develop a small 48.3 acre foot impoundment for compost production and fire protection purposes.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/39.24624607451776N123.09880857093042W>



Counties: Mendocino, CA

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## Endangered Species Act Species

There is a total of 8 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## Mammals

NAME	STATUS
Fisher <i>Pekania pennanti</i> Population: West coast DPS No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/3651">https://ecos.fws.gov/ecp/species/3651</a>	Proposed Threatened

## Birds

NAME	STATUS
Northern Spotted Owl <i>Strix occidentalis caurina</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1123">https://ecos.fws.gov/ecp/species/1123</a>	Threatened
Western Snowy Plover <i>Charadrius nivosus nivosus</i> Population: Pacific Coast population DPS-U.S.A. (CA, OR, WA), Mexico (within 50 miles of Pacific coast) There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/8035">https://ecos.fws.gov/ecp/species/8035</a>	Threatened
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is <b>proposed</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/3911">https://ecos.fws.gov/ecp/species/3911</a>	Threatened

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## Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/2891">https://ecos.fws.gov/ecp/species/2891</a>	Threatened

## Flowering Plants

NAME	STATUS
Burke's Goldfields <i>Lasthenia burkei</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4338">https://ecos.fws.gov/ecp/species/4338</a>	Endangered
Contra Costa Goldfields <i>Lasthenia conjugens</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/7058">https://ecos.fws.gov/ecp/species/7058</a>	Endangered
Showy Indian Clover <i>Trifolium amoenum</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6459">https://ecos.fws.gov/ecp/species/6459</a>	Endangered

## Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



**USFWS IPac  
Query Results 3**

Regionally Occurring Special Status Species List.

Potential Regionally Occurring Special Status Wildlife Species				
Cold Creek Compost Facility				
Species Latin Name	Common Name	Status (Federal/State /CDFW) <sup>1</sup>	General Habitat Requirements	Potential for Occurrence
<b>Amphibians / Reptiles</b>				
<i>Rana draytonii</i>	California red-legged frog	T/--/SSC	Requires a variety of habitats with aquatic breeding elements (pools and backwaters of streams, ponds, marshes, springs, etc.) and upland habitats (downed woody vegetation, leaf litter, small mammal burrows) for protection from desiccation and predators.	<b>None</b> – No suitable habitat present.
<i>Rana boylei</i>	Foothill yellow-legged frog	--/CT/SSC	A frog with dorsolateral ridges. This species usually occurs in or near quiet permanent water of streams, marshes, ponds, lakes, and other quiet bodies of water. In summer, frogs estivate in small mammal burrows, leaf litter, or other moist sites in or near (within a few hundred feet of) riparian areas. Individuals may range far from water along riparian corridors and in damp thickets and forests.	<b>Low</b> – No permanent water exists at the project site; nearest water exists ~1 mile downstream
<i>Taricha rivularis</i>	Red-bellied newt	--/--/SSC	Range among Sonoma, Mendocino, Humboldt and Lake Counties, inhabits primarily redwood forests, but also found in mixed conifers, valley-foothill woodland.	<b>None</b> – No suitable habitat present.
<i>Emys marmorata</i>	Western pond turtle	--/--/SSC	Associate with permanent ponds. Lakes, streams, irrigation ditches or permanent pools along intermittent streams in a wide variety of habitats. Elevations range from near sea level to 1430 m.	<b>Low</b> – No permanent water exists at the site.

## Regionally Occurring Special Status Species List.

Birds				
<i>Elanus leucurus</i>	White-tailed kite	--/--/FP	Forages in undisturbed, open grasslands, meadows, farmlands and emergent wetlands for small, diurnal mammals. Nests near top of dense oak, willow, etc.	Mod
<i>Accipiter gentilis</i>	Northern Goshawk	--/--/SSC	Forest habitats of medium to large conifers where it nests and hunts through the tree canopy. May be found near open fields to take prey of small mammals and birds that are feeding in these agricultural areas.	<b>None</b> – No suitable habitat present.
<i>Aquila chrysaetos</i>	Golden eagle	--/--/FP WL	Wide ranging bird that prefers to build nests in high locations such as cliffs. They hunt a variety of habitats such as forest openings and agricultural fields where they take small mammals.	<b>None</b> – No suitable habitat present.
<i>Haliaeetus leucocephalus</i>	Bald eagle	FD/SE/FP	Wide ranging bird that build large nests high in treetops or on cliffs. They hunt a variety of habitats such as open water, forest openings, agricultural fields for mammals, also prey upon carrion.	<b>None</b> – No suitable habitat present.
<i>Pandion haliaetus</i>	Osprey	--/--/WL	Ospreys are associated with rivers, lakes and ocean inlets/bays/estuaries. They are an exclusive fish eater. Nests are platforms at the top of trees, telephone/power poles or other vertical structures that have views of water.	<b>None</b> – No suitable habitat present.
<i>Falco peregrines anatum</i>	American peregrine falcon	FD/SD/FP	Found in forests, mountain ranges and river valleys. Is also becoming more common in cities with large buildings that can act as breeding locations. Nests are generally 'scraped' into the cliff ledge. Hunts primarily on other birds but will take small mammals when available.	<b>None</b> – No suitable habitat present.

## Regionally Occurring Special Status Species List.

<i>Strix occidentalis caurina</i>	Northern spotted owl	FT/ST/SSC	Northern spotted owl is generally found in coastal to mountainous mature coniferous forests. This species nests in cavities or on natural platforms of dense mature forests.	<b>None</b> – No suitable habitat present.
<i>Icteria virens</i>	Yellow-breasted chat	--/--/SSC	Frequents dense, brushy thickets and tangles near water and thick understory in riparian woodland. Nests in dense shrubs along streams or rivers. Feeds on insects, spiders, berries and fruits.	<b>None</b> – No suitable habitat present.
<i>Progne subis</i>	Purple martin	--/--/SSC	Uses woodlands and low elevation coniferous forests, montane hardwoods and riparian habitats. Nests in tall, old trees near a body of water and occasionally in residential areas	Low
<i>Agelaius tricolor</i>	Tricolored blackbird	--/CE/SSC	Breeds near fresh water, preferable in emergent wetland with tall, dense cattails or tules, but also in thickets of willow, blackberry and tall herbs. Feeds in grasslands and cropland habitat	<b>None</b> – No suitable habitat present.
<i>Setophaga petechia</i>	Yellow warbler	--/--/SSC	Breeds in montane chaparral, open coniferous habitats with substantial amounts of brush and riparian woodlands from coastal and desert lowlands up to 2500 m.	Low
<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	FT/--/SSC	Nests on coastal sandy beaches, salt evaporation ponds and on the margins of alkaline lakes and ponds in western North America.	<b>None</b> – No suitable habitat present.
<i>Coccyzus americanus</i>	Yellow-billed cuckoo	FT/SE/--	Requires large tracts of dense, riparian woodlands with well-developed understories of deciduous trees and shrubs, especially willows for breeding and roost sites.	<b>None</b> – No suitable habitat present.
<b>Insects/Crustaceans / Mollusks</b>				
<i>Bombus occidentalis</i>	Western bumble bee	--/SCE/--	Generally found in meadows and grasslands with abundant floral	Mod

Regionally Occurring Special Status Species List.

			resources and provide suitable nesting sites and overwintering sites. Nests typically located in underground cavities such as abandoned rodent/squirrel holes, however above ground nests among logs.	
<b>Fish</b>				
<i>Hysteroecarpus traskii lagunae</i>	Clear Lake tule perch	--/--/SSC	Confined to the Clear Lake and Upper and Lower Blue Lakes in Lake County. Entire life cycle spent within the lake environment.	<b>None –</b> No suitable habitat present.
<i>Lavinia exilcauda chi</i>	Clear Lake hitch	--/T/--	Endemic to Clear Lake and its tributaries. Spawn in low-gradient tributary streams and backwater areas with clean fine-to medium sized gravels. Return to lake after spawning.	<b>None –</b> No suitable habitat present.
<i>Hysteroecarpus traski pomo</i>	Russian River tule perch	--/--/SSC	Inhabit lowland waterways with complex submerged cover and prefer water temperatures below 22°C.	<b>None –</b> No suitable habitat present.
<i>Entospenus tridentatus</i>	Pacific lamprey	--/--/SSC	Anadromous eels adults spawn in freshwater rivers and stream, juveniles emigrate to the sea for several years before returning spawn.	<b>None –</b> No anadromous connection.
<i>Onchorynchus tshawytscha popn. 17</i>	Chinook salmon – Coastal ESU	T /--/--	Anadromous salmonid adults spawn in freshwater rivers and stream, juveniles emigrate to the estuary before entering the ocean where they live for 3 – 7 years before returning to freshwater to spawn.	<b>None –</b> No anadromous connection.
<i>Onchorynchus kisutch popn. 2</i>	Coho salmon – SO/NC ESU	T / T / --	Anadromous salmonid adults spawn in freshwater rivers and stream, juveniles remain in freshwater for a few years before emigrating to the sea for 2-4 years before returning to freshwater to spawn.	<b>None –</b> No anadromous connection.

Regionally Occurring Special Status Species List.

<i>Onchorynchus kisutch</i> popn. 4	Coho salmon – CCC ESU	E / E / --	Anadromous salmonid adults spawn in freshwater rivers and stream, juveniles remain in freshwater for a few years before emigrating to the sea for 2-4 years before returning to freshwater to spawn.	<b>None –</b> No anadromous connection.
<i>Onchorynchus mykiss irideus</i> popn. 16	Steelhead – NC DPS	T /-/-	Anadromous salmonid adults spawn in freshwater rivers and stream, juveniles remain in freshwater for a few years before emigrating to the sea for some years before returning to freshwater to spawn.	<b>None –</b> No anadromous connection.
<b>Mammals</b>				
<i>Arborimus pomo</i>	Sonoma tree vole	--/-/SSC	Primarily inhabit coniferous forests dominated by Douglas-fir, which is their primary food source. In northwestern California, it is restricted to coastal forests of Humboldt, Mendocino and Sonoma Counties.	<b>None –</b> No suitable habitat present.
<i>Martes caurina humboldtensis</i>	Humboldt marten	--/SE/SSC	Typically associated with closed canopy, late-successional, mesic coniferous forests with complex physical structure near the ground which provides protection from predators and thermal microenvironments.	<b>None –</b> No suitable habitat present.
<i>Pekania pennanti</i>	Fisher – West Coast DPS	--/T/SSC	Utilizes low- to mid-elevation mixed hardwood coniferous forests with a diversity of physical ground structure habitats for prey species. Important Fisher habitat includes relatively large trees, high canopy closure and abundant snags.	<b>None –</b> No suitable habitat present.
<i>Taxidea taxus</i>	American badger	--/-/SSC	Occur throughout much of the State, except the moist forested region of the extreme northwestern corner but populations are highest in the north-	Mod

## Regionally Occurring Special Status Species List.

			eastern region. Populations declining.	
<i>Antrozous pallidus</i>	Pallid bat	--/--/SSC	Locally common in low elevations in California. Habitats include grasslands, shrublands woodlands and forests with open, dry habitats with rocky areas for roosting.	Mod
<i>Corynorhinus townsendii</i>	Townsend's Big-eared Bat	--/--/SSC	This bat is known to inhabit mines, caves and buildings where it establishes roosts and maternal colonies to raise young. They feed on a variety of insects.	Low
<i>Lasiurus blossevillii</i>	Western red bat	--/--/SSC	Roosts primarily in trees, less often in shrubs in edge habitats, adjacent to streams, fields or urban habitats.	Low
<i>Eumops perotis californicus</i>	Western mastiff bat	--/--/SSC	It is found in a variety of habitats from desert scrub to chaparral to oak woodland and into the ponderosa pine belt, but is primarily a crevice dwelling species utilizing significant rock features suitable for roosting with a clear vertical drop of 3 m below the entrance for flight.	<b>None –</b> No suitable habitat present.

### Abbreviations/Acronyms:

-- “: No Status/Listing

DPS: Distinct Population Segment

ESU: Evolutionarily Significant Unit

FC: Federal Candidate. This designation includes taxa that require additional information to propose for listing pursuant to the Federal Endangered Species Act (FESA), as amended.

FD: Federally Delisted, but protected under other federal laws and management plans

FE: Federally-listed Endangered, pursuant to the FESA, as amended. This designation includes taxa that are in danger of extinction throughout all or a significant portion of their range.

FT: Federally-listed Threatened, pursuant to the FESA, as amended. This designation refers to species that are not presently threatened with extinction but are likely to become endangered throughout all or a significant portion of their range in the foreseeable future if special protection and management efforts are not undertaken.

FPT: Federally Proposed Threatened-while not fully “listed” the Proposed status requires protection as though the species was listed.

SCE: State Candidate Endangered-Species is a candidate for listing and is protected as such

SCT: State Candidate Threatened-Species is a candidate for listing and is protected as such.

SD: State Delisted, but protected under other state laws and regulations

SE: State-listed Endangered, pursuant to California Endangered Species Act (CESA). SE designation includes taxa that are in danger of extinction throughout all or a significant portion of their range.

## Regionally Occurring Special Status Species List.

SONCC: Southern Oregon Northern California Coast

SSC: Species of Special Concern are species that the CDFG consider of conservation concern. These species must be considered pursuant to CEQA.

ST: State-listed Threatened, pursuant to CESA. ST designation includes taxa that are likely to become endangered throughout a significant portion of their range.

WL: Watchlist, CDFW

FP: Fully Protected, CDFW



