State of California – Department of Fish and Wildlife
NOTIFICATION OF LAKE OR STREAMBED ALTERATION
FISH AND GAME CODE SECTION 1602
DFW 2023 (REV. 05/28/19) Page 1

FOR DEPARTMENT USE ONLY				
Date Received	*Amount Received*	*Amount Due*	*Date Complete*	*Notification No.*
	$	$		
Assigned to:				

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

Complete EACH field, unless otherwise indicated, following the instructions and submit ALL required enclosures, attachments, and fee(s) to the CDFW regional office that serves the area where the project will occur. Attach additional pages to notification, if necessary.

1. APPLICANT PROPOSING PROJECT

Name	Peter P. Connolly
Business/Agency	PDCON Enterprises, LLC
Mailing Address	P.O. Box 382
City, State, Zip	Garberville, CA. 95542
Phone Number	707-223-4408
Email	humnatfoods@gmail.com

2. CONTACT PERSON (*Complete only if different from applicant.*)

Name	Same as applicant
Business/Agency	
Mailing Address	
City, State, Zip	
Phone Number	
Email	

While an applicant is legally responsible for complying with Fish and Game Code section 1602 et seq., an applicant may designate and authorize an agent (e.g., lawyer, consultant, or other individual) to act as a Designated Representative. The Designated Representative is authorized to sign the notification and any agreement on behalf of the Applicant.

Do you authorize the Contact Person above to represent you as your Authorized Designated Representative?

☐ Yes, I authorize. ☐ No, I do not authorize.

3. PROPERTY OWNER (*Complete only if different from applicant*)

Name	Same as applicant (see attached ParcelQuest results)
Mailing Address	
City, State, Zip	
Phone Number	
Email	

4. PROJECT NAME AND AGREEMENT TERM

A. Project Name	PDCON Enterprises Parcel 013 LSAA			
B. Agreement Term Requested	☑ Regular (*5 years or less*) ☐ Long-term (*greater than 5 years*)			
C. Project Term	Beginning (*year*)	2020	Ending (*year*)	2025

D. Seasonal Work Period

Season(s)*	Start Date (*month/day*)	End Date (*month/day*)	E. Number of Work Days
1	05/01	10/15	52
2			
3			
4			
5			

** Continue on additional page(s) if necessary*

5. AGREEMENT TYPE

Check the applicable box. If boxes B – F are checked, complete the specified attachment.

A.	☑ Standard *(Most construction projects, excluding the categories listed below)*	
B.	☐ Gravel/Sand/Rock Extraction (*Attachment A*)	*Mine I.D. Number:* _____
C.	☐ Timber Harvesting (*Attachment B*)	*THP Number:* _____
D.	☐ Water Diversion/Extraction/Impoundment (*Attachment C*)	*SWRCB Number:* _____
E.	☐ Routine Maintenance (*Attachment D*)	
F.	☑ Cannabis Cultivation (*Attachment E*)	
G.	☐ CDFW Grant Programs	*Agreement Number:* _____
H.	☐ Master	
I.	☐ Master Timber Operations	

6. FEES

See the current fee schedule to determine the appropriate notification fee. Itemize each project's estimated cost and corresponding fee. ***Note: CDFW may not process this notification until the correct fee has been received.***

	A. Project Name	B. Project Cost	C. Project Fee
1	RP-1: Culvert Replacement	$4,999	$627.75
2	RP-2: Culvert Replacement	$4,999	$627.75
3			
4			
5			
6			
7			
8			
9			
10			
		D. Base Fee *(if applicable)*	
		E. TOTAL FEE*	$1,255.50

** Check, money order, and Visa or MasterCard (select Environmental Fees from Menu) payments are accepted.*

7. PRIOR NOTIFICATION AND ORDERS

A. Has a notification previously been submitted to, or a Lake or Streambed Alteration Agreement previously been issued by, CDFW for the project described in this notification?

☐ Yes (*Provide the information below*) ☑ No

Applicant	Notification Number	Date

B. Is this notification being submitted in response to a court or administrative order or notice, or a notice of violation (NOV) issued by CDFW?

☐ Yes ☑ No (*Enclose a copy of the order, notice, or NOV. If the applicant was directed to notify CDFW verbally rather than in writing, identify the person who directed the applicant to submit this notification, the agency he or she represents, and describe the circumstances relating to the order.*)

Name of person who directed notification	Agency

Describe circumstances relating to order

☐ *Continued on additional page(s)*

8. PROJECT LOCATION

A. Address or description of project location.
(Include a map that marks the location of the project with a reference to the nearest city or town, and provide driving directions from a major road or highway.)

The project site is located in Section 23, Township 4 South, Range 3 East HB&M; Humboldt County, on the Garberville USGS 7.5' quadrangle, approximately 0.7 air miles West of the community of Garberville, CA.

See attached location map.

☐ *Continued on additional page(s)*

B. River, stream, or lake affected by the project.	Unnamed tributaries to South Fork Eel River
C. What water body is the river, stream, or lake tributary to?	South Fork Eel River
D. Is the river or stream segment affected by the project listed in the state or federal Wild and Scenic Rivers Acts?	☐ Yes ☑ No ☐ Unknown
E. County	Humboldt County

F. USGS 7.5 Minute Quad Map Name	G. Township	H. Range	I. Section	J. ¼ Section
Garberville	4S	3E	23	SE 1/4

☐ *Continued on additional page(s)*

K. Meridian (check one) ☑ Humboldt ☐ Mt. Diablo ☐ San Bernardino

L. Assessor's Parcel Number(s)

222-156-013	

☐ *Continued on additional page(s)*

M. Geographic coordinates (*Provide the latitude and longitude coordinates for the property where the project(s) will take place. CDFW utilizes decimal degrees and WGS 84 datum. Access Google Maps Help if you need assistance in finding your coordinates.*)

Latitude/Longitude	*Latitude:* 40.098439	*Longitude:* -123.813858
	Latitude:	*Longitude:*
	Latitude:	*Longitude:*
	Latitude:	*Longitude:*
	Latitude:	*Longitude:*

9. PROJECT CATEGORY

WORK TYPE	NEW CONSTRUCTION	REPLACE EXISTING STRUCTURE	REPAIR-MAINTAIN-OPERATE EXISTING STRUCTURE
Bank stabilization – bioengineering/recontouring	☐	☐	☐
Bank stabilization – rip-rap/retaining wall/gabion	☐	☐	☐
Boat dock/pier	☐	☐	☐
Boat ramp	☐	☐	☐
Bridge	☐	☐	☐
Channel clearing/vegetation management	☐	☐	☐
Culvert	☐	☑	☐
Debris basin	☐	☐	☐
Dam	☐	☐	☐
Filling of wetland, river, stream, or lake	☐	☐	☐
Geotechnical survey	☐	☐	☐
Habitat enhancement – revegetation/mitigation	☐	☐	☐
Levee	☐	☐	☐
Low water crossing	☐	☐	☐
Road/trail	☐	☐	☐
Sediment removal: pond, stream, or marina	☐	☐	☐
flood control	☐	☐	☐
Storm drain outfall structure	☐	☐	☐
Temporary stream crossing	☐	☐	☐
Utility crossing: horizontal directional drilling	☐	☐	☐
jack/bore	☐	☐	☐
open trench	☐	☐	☐
Water diversion without facility	☐	☐	☐
Water diversion with facility	☐	☐	☐
Other *(specify)*:	☐	☐	☐

10. PROJECT DESCRIPTION

A. Describe the project in detail. Include photographs of the project location and immediate surrounding area.

- Written description of all project activities with detailed step-by-step description of project implementation.
- Include any structures (e.g., rip-rap, culverts) that will be placed or modified in or near the stream, river, or lake, and any channel clearing.
- Specify volume, and dimensions of all materials and features (e.g., rip rap fields) that will be used or installed.
- If water will be diverted or drafted, specify the purpose or use and include Attachment C.
- Enclose diagrams, drawings, design plans, construction specifications, and maps that provide all of the following: site specific construction details; dimensions of each structure and/or extent of each activity in the bed, channel, bank or floodplain; overview of the entire project area (i.e., "bird's-eye view") showing the location of each structure and/or activity, significant area features, stockpile areas, areas of temporary disturbance, and where the equipment/machinery will access the project area.
  - A helpful resource to assist in the development of quality PDF maps in Google Earth. See Using Google Earth to Map your Property (PDF).

Point	Latitude	Longitude
RP-1:	40.096067	-123.811564
RP-2:	40.097311	-123.810320

Project: Evaluation of the roads providing access to proposed cannabis cultivation sites. This road assessment did not evaluate roads within the parcel that were not related to proposed cannabis cultivation. For a detailed description of the stream crossings and additional road maintenance please see the attached Work Order.

PDCON Enterprises LLC is proposing ~28,500 square feet of Commercial Cannabis Cultivation to be located in a tilled open grassland. The applicant is proposing four (4) 200 ft. by 30 ft. greenhouses and one (1) 150 ft. by 30 ft. greenhouse with no supplemental lighting. Water for irrigation will be provided by the Garberville Sanitary District. Electricity for cultivation related activities will be provided by PG&E. Both Garberville Sanitary District water supply and PG&E services currently exist to serve the property. There are no watercourses located within the proposed cultivation premises. Given the open site, proposed cannabis cultivation and associated infrastructure can be designed to be located beyond applicable set back requirements or stream protection zones.

☐ *Continued on additional page(s)*

B. Specify the equipment and machinery that will be used to complete the project.

Backhoe, dozer/bobcat and shovels.

☐ *Continued on additional page(s)*

C. Will water be present during the proposed work period (specified in box 4.D) in the stream, river, or lake (specified in box 8.B).	☑ Yes ☐ No (*Skip to box 11*)
D. Will the project require work in the wetted portion of the channel?	☑ Yes (*Enclose a plan to divert water around work site*) ☐ No

11. PROJECT IMPACTS

A. Describe impacts to the bed, channel, and bank of the river, stream, or lake, and the associated riparian habitat. Specify the dimensions of the modifications in length (linear feet) and area (square feet or acres) and the type and volume of material (cubic yards) that will be moved, displaced, or otherwise disturbed, if applicable.

See the Work Order for site descriptions. See the attached Invasive Species Report for a detailed description of Recommendations/Mitigations for Himalayan blackberry impacting riparian habitat in the project area.

☐ *Continued on additional page(s)*

B. Will the project affect any vegetation? ☑ Yes (*Complete the tables below*) ☐ No (*Include aerial photo with date supporting this determination*)

Vegetation Type	Temporary Impact	Permanent Impact
Grass and minor brush species	Linear feet: _____ Total area: 1000 sq feet per site	Linear feet: _____ Total area: _____
Invasive Himalayan Blackberry	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____

Tree Species	Number of Trees to be Removed	Trunk Diameter (range)
N/A		

☐ *Continued on additional page(s)*

C. Are any special status animal or plant species, or habitat that could support such species, known to be present on or near the project site?

☑ Yes (*List each species and/or describe the habitat below*) ☐ No ☐ Unknown

See attached Biological Resource Assessment.

☐ *Continued on additional page(s)*

D. Identify the source(s) of information that supports a "yes" or "no" answer above in Box 11.C.

CA Department of Fish and Wildlife CNDDB 9-quad search centered on Garberville quadrangle

☐ *Continued on additional page(s)*

E. Has a biological study been completed for the project site?

☐ Yes (*Enclose the biological study*) ☑ No

Note: A biological assessment or study may be required to evaluate potential project impacts on biological resources.

F. Has one or more technical studies (e.g., engineering, hydrologic, geological, or geomorphological) been completed for the project or project site?

☐ Yes *(Enclose the study(ies))* ☑ No

Note: One or more technical studies may be required to evaluate potential project impacts to a lake or streambed.

G. Have fish or wildlife resources or waters of the state been mapped or delineated on the project site?

☐ Yes (*Enclose the mapped results*) ☑ No

Note: Check "yes" if fish and wildlife resources or waters of the state on the project site have been mapped or delineated. "'Wildlife' means and includes all wild animals, birds, plants, fish, amphibians, reptiles and related ecological communities, including the habitat upon which the wildlife depends." (Fish & G. Code, § 89.5.) If "yes" is checked, submit the mapping or delineation. If the mapping or delineation is in digital format (e.g., GIS shape files or KMZ), you must submit the information in this format for CDFW to deem your notification complete. If "no" is checked, or the resolution of the mapping or delineation is insufficient, CDFW may request mapping or delineation (in digital or non-digital format), or higher resolution mapping or delineation for CDFW to deem the notification complete.

12. MEASURES TO PROTECT FISH, WILDIFE, AND PLANT RESOURCES

A. Describe the techniques that will be used to prevent sediment, hazardous, or other deleterious materials from entering watercourses during and after construction.

The proposed projects are not expected to contribute sediment to the watercourses. All work will be done during the summer months, any water in the streams will be diverted around the site. All stream work will conform with CDFW California Salmonid Stream Habitat Restoration Manual Part X. Fill to be permanently removed will be stored in designated locations with no risk of sediment delivery.

☐ *Continued on additional page(s)*

B. Describe project avoidance and/or minimization measures to protect fish, wildlife, and plant resources.

The projects will limit erosion on the property and therefore reduce sediment contribution to downstream aquatic habitat. Work will only occur during the period of dry, unsaturated conditions to avoid impacts on fish and aquatic habitat. Vegetation will only be removed from sites where it is growing on anthroprogenically placed fill material.

Yellow legged frog surveys will be conducted by a qualified biologist no more than 10 days before work within the wetted portion of any class II channel begins.

See the Mitigations/Recommendations in the Biological Resource Assessment attached below.

☐ *Continued on additional page(s)*

C. Describe any project mitigation and/or compensation measures to protect fish, wildlife, and plant resources.

If listed threatened or endangered species are observed at the site during operations, the operator will cease operations. Further mitigations shall be implemented and CDF&W contacted for approval before operations begin again.

☐ *Continued on additional page(s)*

13. PERMITS

List any local, State, and federal permits required for the project and check the corresponding box(es). Enclose a copy of each permit that has been issued.

A. _____ ☐ Applied ☐ Issued

B. _____ ☐ Applied ☐ Issued

C. _____ ☐ Applied ☐ Issued

D. Unknown whether ☐ local, ☐ State, or ☐ federal permit is needed for the project. (*Check each box that applies*)

☐ *Continued on additional page(s)*

14. ENVIRONMENTAL REVIEW

A. Has a CEQA lead agency been determined?	☐ Yes (*Complete boxes B, C, D, E, and F*) ☑ No (*Skip to box 14.G*)
B. CEQA Lead Agency	
C. Contact Person	D. Phone Number

E. Has a draft or final document been prepared for the project pursuant to CEQA and/or NEPA?

☐ Yes (*Check the box below for each CEQA or NEPA document that has been prepared and enclose a copy of each.*)

☐ No (*Check the box below for each CEQA or NEPA document listed below that will be or is being prepared.*)

☐ Notice of Exemption	☐ Mitigated Negative Declaration	☐ NEPA document (*type*):
☐ Initial Study	☐ Environmental Impact Report	_____
☐ Negative Declaration	☐ Notice of Determination *(Enclose)*	
☐ THP/ NTMP	☐ Mitigation, Monitoring, & Reporting Plan	

F. State Clearinghouse Number (*if applicable*)

G. If the project described in this notification is not the "whole project" or action pursuant to CEQA, briefly describe the entire project (Cal. Code Regs., tit. 14 § 15378).

Project: Evaluation of the roads providing access to proposed cannabis cultivation sites. This road assessment did not evaluate roads within the parcel that were not related to proposed cannabis cultivation sites. For a detailed description of the stream crossings and additional road maintenance please see the attached Work Order.

☐ *Continued on additional page(s)*

H. Has a CEQA filing fee been paid pursuant to Fish and Game Code section 711.4?

☐ Yes (*Enclose proof of payment*) ☑ No (*Briefly explain below the reason a CEQA filing fee has not been paid)*

Note: The CEQA filing fee is in addition to the notification fee. If a CEQA filing fee is required, the Lake or Streambed Alteration Agreement may not be finalized until paid.

No filing has been made. Draft document only.

15. SITE INSPECTION

Check one box only.

☐ In the event CDFW determines that a site inspection is necessary, I hereby authorize a CDFW representative to enter the property where the project described in this notification will take place at any reasonable time, and hereby certify that I am authorized to grant CDFW such entry.

☑ I request CDFW to first contact (*insert name*) Peter Connolly at (*insert phone number or email address*) 707-223-4408 to schedule a date and time to enter the property where the project described in this notification will take place. I understand that this may delay CDFW's determination as to whether a Lake or Streambed Alteration Agreement is required and/or CDFW's issuance of a draft agreement pursuant to this notification.

16. DIGITAL FORMAT

Is any of the information included as part of the notification available in digital format (i.e., CD, DVD, etc.)?

☐ Yes (Please enclose the information via digital media with the completed notification form.)

☑ No

17. SIGNATURE

I hereby certify that to the best of my knowledge the information in this notification is true and correct and that I am authorized to sign this notification as, or on behalf of, the applicant. I understand that if any information in this notification is found to be untrue or incorrect, CDFW may suspend processing this notification or suspend or revoke any draft or final Lake or Streambed Alteration Agreement issued pursuant to this notification. I understand also that if any information in this notification is found to be untrue or incorrect and the project described in this notification has already begun, I and/or the applicant may be subject to civil or criminal prosecution. I understand that this notification applies only to the project(s) described herein and that I and/or the applicant may be subject to civil or criminal prosecution for undertaking any project not described herein unless CDFW has been separately notified of that project in accordance with Fish and Game Code section 1602 or 1611.

Signature of Applicant or Applicant's Authorized Representative

Date

Print Name

Applicant Name: Peter P. Connolly

Project Name: PDCON Enterprises Parcel 013 LSAA

ATTACHMENT E

Commercial Cannabis Cultivation

Complete this attachment *if* the project includes commercial cannabis cultivation and you are seeking a standard Lake or Streambed Alteration Agreement or if activities include remediation of a cannabis cultivation site.

"Cultivation" means any activity involving the planting, growing, harvesting, drying, curing, grading, or trimming of cannabis (Business and Professions Code, section 26000 et seq.). *Please note that if you are seeking authorization under the General Agreement for Cannabis Cultivation you must notify online at the California Department of Fish and Wildlife (CDFW) website: https://www.wildlife.ca.gov/Conservation/LSA/Notify-CDFW.*

Complete Sections I through V and VII for all Agreement types.

Complete Section VI *if* any aspect of the project includes remediation. "Remediation" means to perform work that reduces or eliminates the direct and indirect adverse impacts on fish and wildlife resources associated with past or existing cannabis activities subject to Fish and Game Code 1602.

Submit Attachment E with the Notification form (DFW 2023) and applicable fees.

I. LOCAL JURISDICTION AUTHORIZATION – Complete this section for all Agreement types.

Does the town, city, or county where cultivation will occur have a rule, ordinance, or other regulation or law that governs the cultivation of cannabis?		
☐ Yes: Town/City	☑ Yes: County	☐ No
Are you required to have written authorization (permit) from the city/town and/or county to cultivate cannabis within the city/town and/or county?		
☑ Yes. *Enclose written authorization and/or completed application(s).*	☐ No	

II. PROPERTY DIAGRAM – Complete this section for all Agreement types.

Enclose the cultivation Property Diagram that has been, or will be, submitted to the California Department of Food and Agriculture (CDFA) (California Code of Regulations, title 3, section 8105). For Property Diagram requirements, refer to http://calcannabis.cdfa.ca.gov/, or CDFA's Reference Guide for the Cultivation Plan.	
Cultivation Property Diagram enclosed?	
☑ Yes *Enclose the property diagram required by CDFA (Cal. Code Regs,. tit. 3, § 8105).*	☐ No *If "no" is checked, enclose a brief description explaining why the property diagram is not enclosed.*

iii. CULTIVATION OPERATION – Complete this section for all Agreement types.

Provide information regarding any pending cultivation license application or annual license CDFA has issued to the Entity, or that the Entity has applied or will apply for.

Type of Operation:

☑ Proposed new cannabis cultivation operation

☐ Existing cannabis cultivation operation

Premises APN(s):

The Premises is the designated structure(s) and land specified in the CDFA application that are in possession of and used by the applicant to conduct the commercial cannabis activity. ***Include ALL APNs associated with your CDFA application.***

222-156-013		

CDFA Annual or Provisional License # (if applicable): _____

CDFA Annual Application # (if license has not yet been issued): _____

State Water Resources Control Board – Cannabis Cultivation General Order

Water Discharge Identification (WDID) number: _____

Your WDID number can be found on the Notice of Applicability (NOA) issued to you by the Regional Water Quality Control Board.

IV. WATER SUPPLY – Complete this section for all Agreement types. Add additional pages as necessary.

How will or how is water supplied to the cannabis cultivation site(s)?

- *For geographic ccoordinates, provide the latitude and longitude coordinates for the water supply (if applicable). CDFW utilizes decimal degrees and WGS 84 datum. Access Google Maps Help if you need assistance in finding your coordinates.*

Diversion, Obstruction, Extraction, or Impoundment of a River, Stream, or Lake

☐ Yes ☑ No

If yes is checked, you ***must*** *also complete Attachment C.*

Provide geographic coordinates for **each** diversion, obstruction, extraction, or impoundment:

Latitude: ##.######	*Longitude:* -###.######

Spring(s)

☐ Yes ☑ No

If yes is checked, you ***must*** *also complete Attachment C.*

Number of Springs _____

Provide geographic coordinates for **each** spring:

Latitude: ##.######	*Longitude:* -###.######

Private Well(s)

☐ Yes ☑ No

*Provide geographic coordinates for **each** well:*

Latitude:	*Longitude:*

If a private well is being utilized, provide a copy of the well log/well completion report filed with the Department of Water Resources (DWR) pursuant to Section 13751 of Water Code. If no well log is available, provide evidence from DWR indicating that DWR does not have a record of the well log. See DWR's Groundwater Management page for more information at: https://water.ca.gov/Programs/Groundwater-Management/Wells

Public Water System

☑ Yes ☐ No

Name of public water system: Garberville Sanitary District

If Yes, provide the most recent copy of water service bill or will-serve letter from the water service provider.

Water Hauling

☐ Yes ☑ No

Name of water hauler: _____

Other Source

Specify: _____

_____

V. CALIFORNIA LICENSED PROFESSIONAL OR QUALIFIED ENVIRONMENTAL CONSULTANT/BIOLOGIST – Complete this section for all Agreement types.

Have you consulted with or retained a California licensed professional or qualified environmental consultant/biologist to address your cannabis cultivation?

☑ Yes (*Provide the information below*) ☐ No

Name of Company	Name of Professional or Consultant/Biologist	Business Telephone
Clearwater Ag Services	Diana Totten	(707) 923-2767
Hohman & Associates Forestry Consultants	Stephen Hohman	(707) 768-3743

VI. REMEDIATION – Complete this section if *any* aspect of the project includes remediation.

Remediation reduces or eliminates direct and indirect adverse effects on fish and wildlife resources associated with a past or existing project or activity that supports or relates to cannabis cultivation, whether on or off a cultivation site. Remediation projects typically include modification, repair, removal, restoration, construction, or reconstruction activities. Examples of remediation projects include, but are not limited to:

- Repairing a stream crossing used to access a cultivation site;
- Removing a staging area on a stream bank; and
  Repairing a water diversion structure used to irrigate a cultivation site.

A. Order or Notice. Are you required to perform remediation work described in this notification pursuant to a court or administrative agency notice or order?

☐ Yes (*Enclose a copy of the order or notice*) ☑ No

Did you receive a notice of violation (NOV) from CDFW that relates to the remediation work described in this notification?

☐ Yes (*Enclose a copy of the NOV*) ☑ No

B. Remediation Area. What is the amount of area requiring remediation?

Remediation area in total:	_____ square feet

C. Remediation Plan. Has a plan to remediate the area been prepared?

☐ Yes (*Enclose the plan*) ☑ No

Note: *If "yes" is checked, submit the remediation plan with the Notification. If "no" is checked, your Notification may be incomplete and CDFW may request you have a California licensed professional or qualified environmental consultant/biologist amend the plan or submit a new plan for your Notification.*

VII. REMEDIATION FEES – Entity must pay the fee(s) at time of Notification.

The current fee schedule is available at https://www.wildlife.ca.gov/Conservation/LSA and specified in Section 699.5, subdivision (b) of the California Code of Regulations, title 14. Remediation fees, if applicable, are specified in Section 699.5, subdivision (i) of the California Code of Regulations, title 14. The remediation fee is in addition to the notification fee and must be submitted by ***separate*** check or other method of payment.

You may pay by credit card at CDFW's Online License Sales and Services page at: https://www.wildlife.ca.gov/Licensing. Attach copy of sales receipt to the notification. A handling charge will be applied (Fish and G. Code, § 1055.1, subd. (d)) to the credit card transaction.

Remediation Fee Included (if applicable)?

☐ Total remediation area identified in Section VI (B) above is less than or equal to 1,000 square feet

☐ Total remediation area identified in Section VI (B) above is greater than 1,000 square feet

Hohman & Associates
FORESTRY CONSULTANTS
P.O. Box 733, Hydesville, CA 95547 . (707) 768-3743 . (707) 768-3747 fax

LSAA Work Order

PDCON Enterprises LLC (APN 222-156-013) Cannabis Permit

PDCON Enterprises LLC is seeking permits for Commercial Cannabis Cultivation on Humboldt County Assessor's Parcel Number (APN) 222-156-013. The parcel is approximately 43.4 acres and zoned Agriculture Exclusive (AE). Access to the parcel from a public road is gained from the intersection of the paved county road Old Briceland Road and Connick Creek Road (rocked, private). See attached location map.

The project proposes one (1) 150 ft. by 30 ft. hoop house and four (4) 200 ft. by 30 ft. hoop houses with no supplemental lighting to be placed in an open flat (1% grade) area on the southeast portion of the parcel. The open flat area is currently used for a small orchard. Water for irrigation will be provided by Garberville Sanitary District. Electricity will be provided by PG&E; both services currently exist to serve the property and the building located on the south-eastern portion of the parcel.

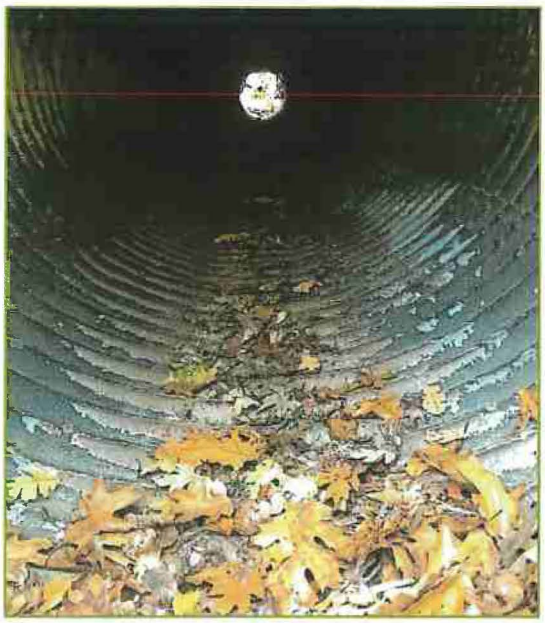
RP-1 (Latitude 40.096067, Longitude -123.811564): Existing undersized 36" diameter metal corrugated culvert crossing on a class II watercourse. Excavate fill material and install a 54" diameter culvert to grade. Line the inlet and outlet with 12" to 24" diameter rock. Install a critical dip to the right of the center of the hinge line. Line the dip with 4 to 6" diameter rock to prevent surface erosion. Rock the road surface for 50' left and right of the culvert centerline. CDFW 1600 document required.

RP-2 (Latitude 40.097311, Longitude -123.810320): Existing undersized 36" diameter metal corrugated culvert crossing on a class II watercourse. Excavate fill material and install a 48" diameter culvert to grade. Line the inlet and outlet with 12" to 24" diameter rock. Install a critical dip to the right of the center of the hinge line. Line the dip with 4 to 6" diameter rock to prevent surface erosion. Rock the road surface for 50' left and right of the culvert centerline. CDFW 1600 document required.

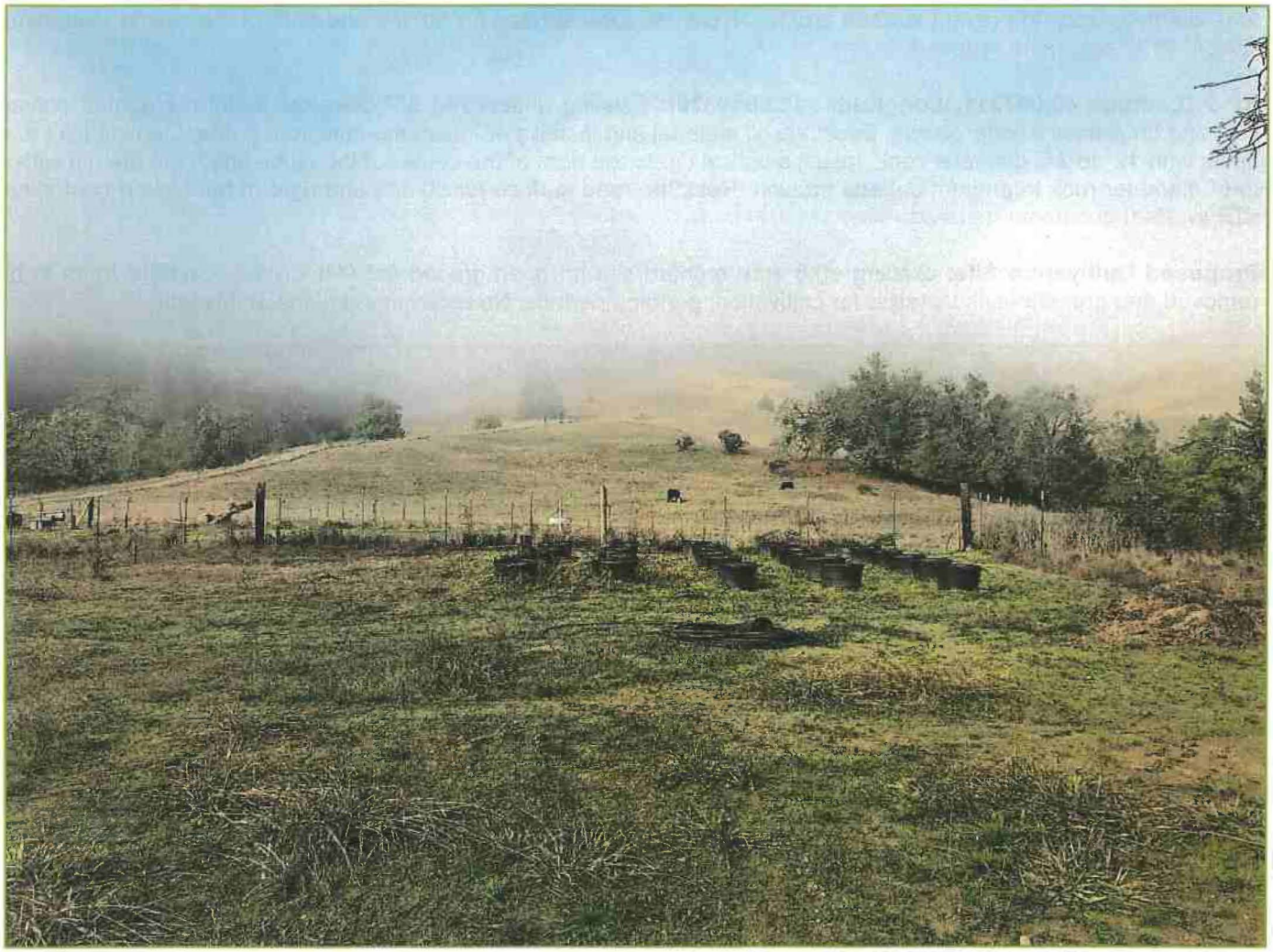
Proposed Cultivation Site: existing ~0.8 acre orchard site on open graded flat (1% grade). Orchard trees to be removed and greenhouses installed for cultivation, pending permits. No recommendations at this time.

Intersection of Connick Creek Road viewing south towards private access road (photo Dec. 2020)

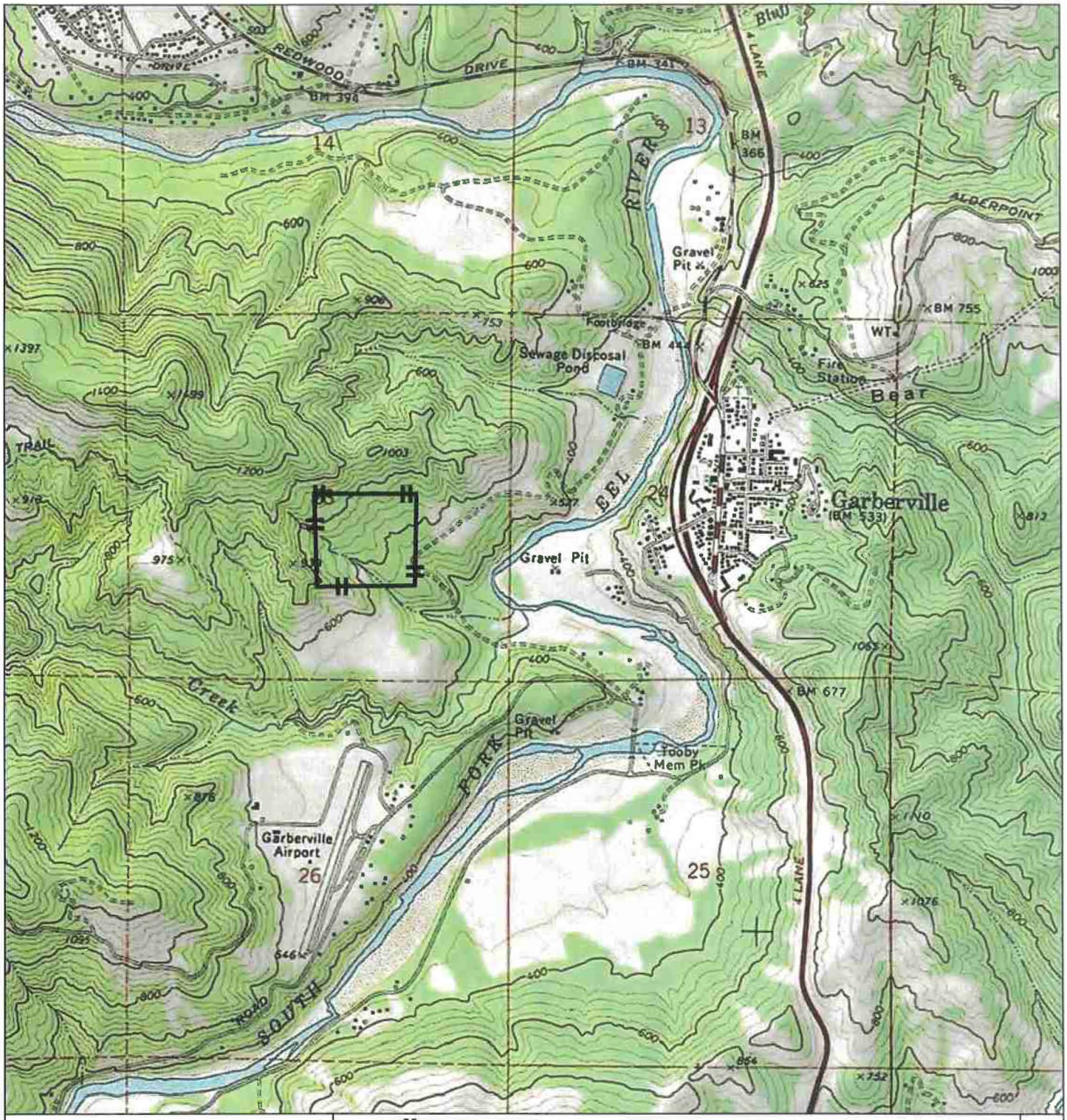
RP-1: View of inlet (photo Dec. 2020)



RP-1: Interior view of inlet (photo Dec. 2020)



Proposed cultivation site viewing north towards existing orchard site (photo Dec. 2020)



PDCON Enterprises LSAA
General Location Map

APN: 222-156-013

Section 23; T4S; R3E; HB&M; Humboldt County
Located on the Garberville 7.5' USGS Quadrangle

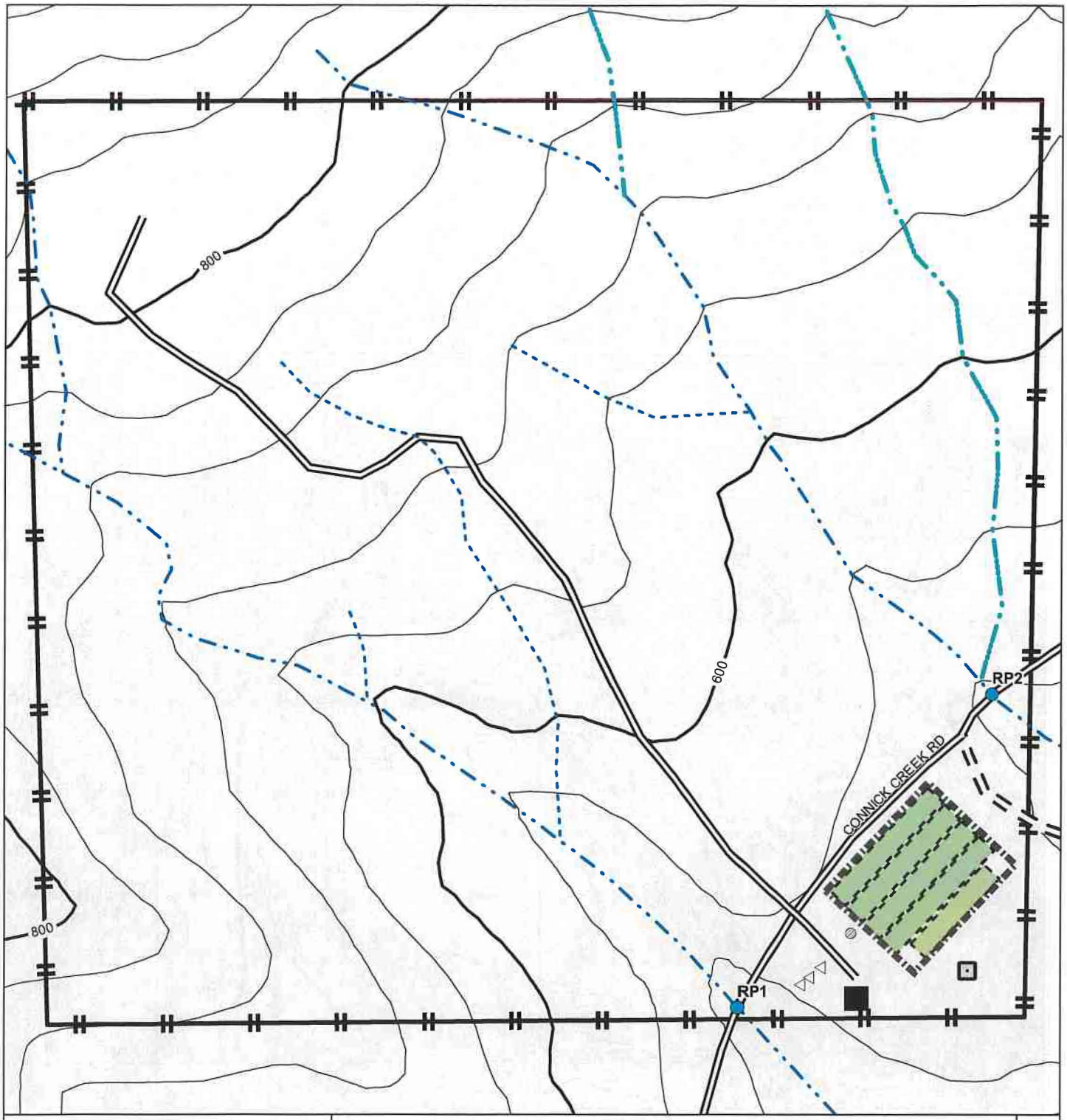
Parcel Boundary

N

0 900 1,800 3,600 Feet

Contour Interval: 40'
1 inch = 2,000 feet

Hohman And Associates Forestry Consultants
Date: 12/17/2020



PDCON Enterprises LSAA Detail Map

APN: 222-156-013

Section 23; T4S; R3E; HB&M; Humboldt County
Located on the Garberville 7.5' USGS Quadrangle

- Roadpoints
- Trash Storage Area
- Mixing Tank
- Parking
- (E) Ag Storage Building
- Class II Stream
- Class III Stream
- Unclassified Class II or III
- Permanent Rocked Road
- Private
- (P) Cultivation Area
- (P) 30' X 200' Greenhouse
- (P) 30' X 150' Greenhouse
- Parcel Boundary

NOTE: (E) = Existing (P) = Proposed

N

0 90 180 360 Feet

Contour Interval: 40'
1 inch = 200 feet

Hohman And Associates Forestry Consultants
Date: 1/8/2021

Determination of 100-Year Flood Flow

Location: PDCON Enterprises Parcel 013 LSAA

(Enter data in fields with red-colored headings. Other data fields will be calculated automatically.)

Magnitude and Frequency Method for 100-year flood flow (A > 100 acres)

No.	Crossing	Area (acres) A	Basin maximum elevation (ft)*	Crossing elevation (ft)*	Area (mi^2) A	Avg. Annual Precipitation (in/yr) P	Elevation Index (mean basin	100-yr flood flow Q_{100} (cfs) North Coast[1] (NC)	Sierra[2] (S)	North-east[3] (NE)	Central Coast[4] (CC)
1	*RP-1*	46.5	1180	500	0.073	67	840	***51.9***	***71.1***	***74.0***	***79.4***
2	*RP-2*	38	910	510	0.059	67	710	***43.5***	***62.2***	***63.9***	***67.0***
3											
4											
5											
6											
7											
8											

**To estimate discharges for bridges, use elevations along watercourse at 85 percent and 10 percent of water-course length from crossing to drainage divide, respectively, instead of using maximum and crossing elevations.*

See below for M&F equations

Rational Method for 100-year flood flow (A < 200 acres)

No.	Crossing	$T_c = 60((11.9 \times L^3)/H)^{0.385}$ Channel length (to top of basin) (mi) L	Elevation difference (ft) H	Concentra-tion time (min) Tc	$Q_{100} = CIA$ Runoff coefficient C	100-year Return-Period Precipitation (in/hr) I*	Area (acres) A	100-yr flood flow (cfs) Q100
1	*RP-1*	0.78	680	*9*	0.35	3.38	46.5	***55.0***
2	*RP-2*	0.68	400	*10*	0.35	3.38	38	***45.0***
3								
4								
5								
6								
7								
8								

**Use 100-yr precipitation of duration similar to Tc or for 10 min, whichever is larger; convert to in/hr for input as "I"*

Magnitude & Frequency Q_{100} equations

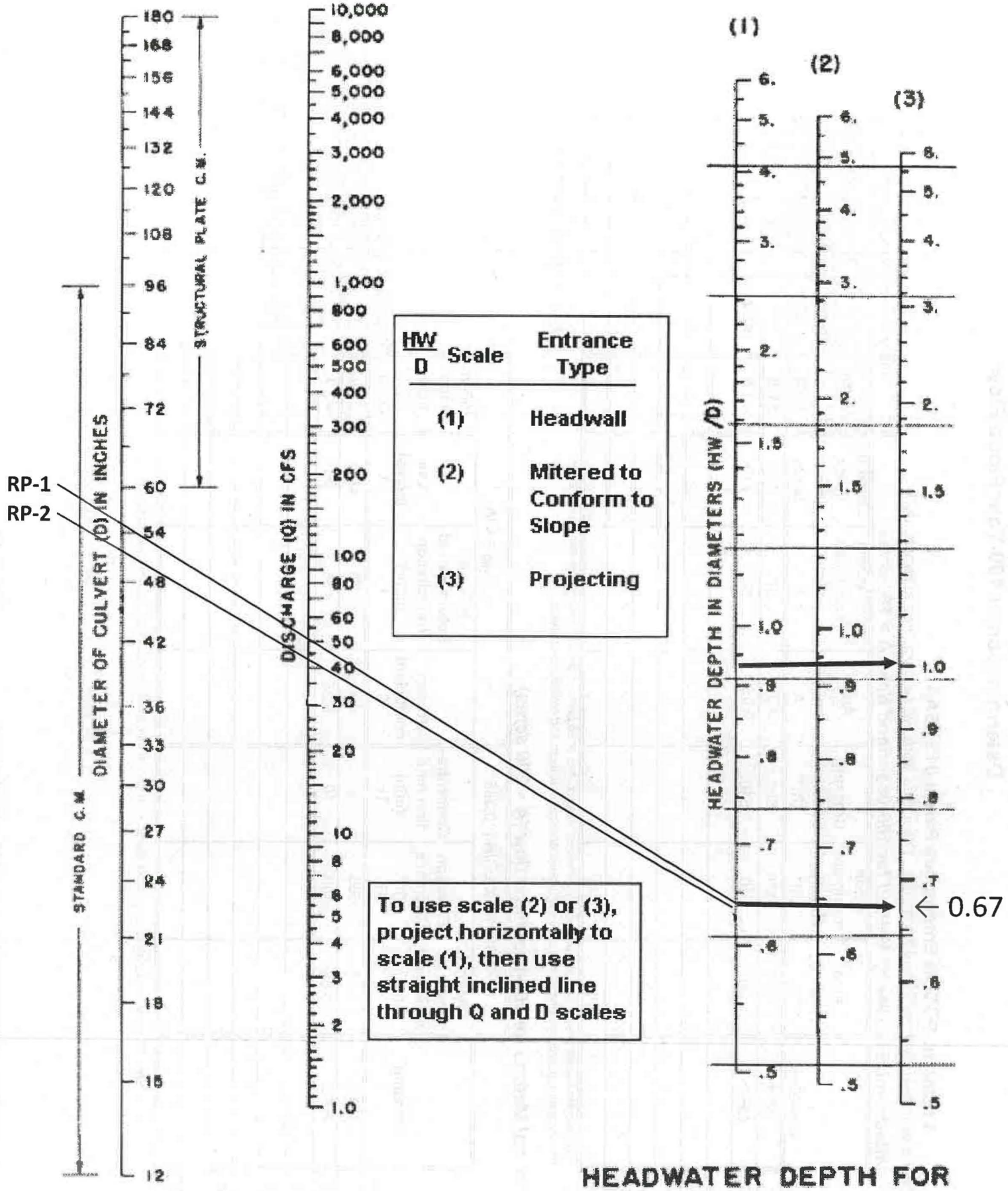
NC (1) $Q_{100} = 48.5(A)^{0.866}(P)^{0.556}$

S (2) $Q_{100} = 20.6\ (A)^{0.874}(P)^{1.24}(H)^{-0.256}$

NE (3) $Q_{100} = 0.713\ (A)^{0.729}(P)^{1.56}$

CC (4) $Q_{100} = 11.0\ (A)^{0.84}(P)^{0.994}$

PDCON Enterprises Parcel 013 LSAA



HEADWATER DEPTH FOR C. M. PIPE CULVERTS WITH INLET CONTROL

NOAA Atlas 14, Volume 6, Version 2
Location name: Garberville, California, USA*
Latitude: 40.0967°, Longitude: -123.8109°
Elevation: m/ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

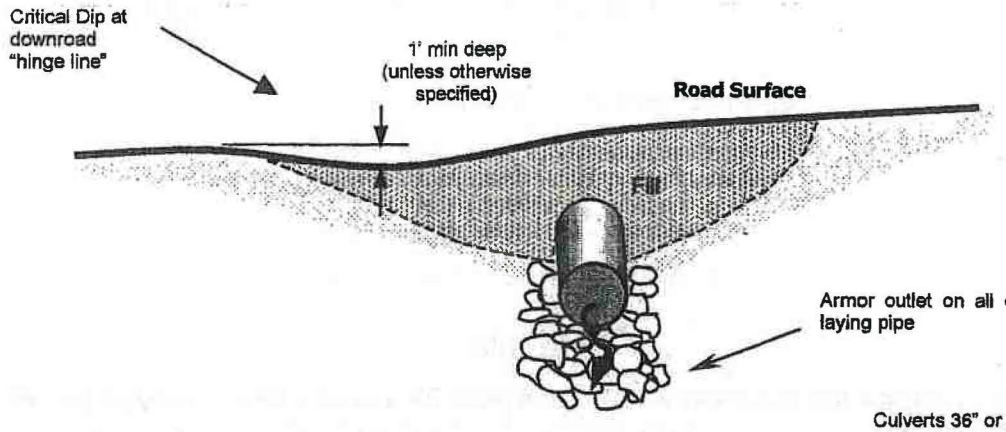
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	1.98 (1.75-2.27)	2.34 (2.05-2.68)	2.81 (2.47-3.24)	3.22 (2.80-3.73)	3.78 (3.17-4.57)	4.24 (3.46-5.26)	4.72 (3.73-6.02)	5.23 (4.01-6.90)	5.94 (4.33-8.23)	6.52 (4.56-9.40)
10-min	1.42 (1.25-1.63)	1.67 (1.48-1.92)	2.02 (1.77-2.32)	2.30 (2.00-2.68)	2.71 (2.27-3.28)	3.04 (2.48-3.77)	3.38 (2.68-4.32)	3.75 (2.87-4.94)	4.26 (3.11-5.90)	4.67 (3.27-6.73)
15-min	1.15 (1.01-1.31)	1.35 (1.19-1.55)	1.62 (1.43-1.87)	1.86 (1.62-2.16)	2.19 (1.83-2.64)	2.45 (2.00-3.04)	2.73 (2.16-3.48)	3.02 (2.32-3.98)	3.44 (2.50-4.76)	3.76 (2.64-5.43)
30-min	0.802 (0.706-0.918)	0.942 (0.830-1.08)	1.14 (0.996-1.31)	1.30 (1.13-1.51)	1.53 (1.28-1.85)	1.71 (1.39-2.12)	1.91 (1.51-2.43)	2.11 (1.62-2.78)	2.40 (1.75-3.32)	2.63 (1.84-3.79)
60-min	0.557 (0.492-0.638)	0.656 (0.577-0.752)	0.790 (0.693-0.909)	0.903 (0.785-1.05)	1.06 (0.888-1.29)	1.19 (0.970-1.48)	1.33 (1.05-1.69)	1.47 (1.12-1.94)	1.67 (1.22-2.31)	1.83 (1.28-2.64)
2-hr	0.434 (0.383-0.498)	0.512 (0.450-0.586)	0.615 (0.540-0.708)	0.701 (0.610-0.815)	0.822 (0.686-0.993)	0.916 (0.746-1.14)	1.01 (0.802-1.29)	1.12 (0.855-1.47)	1.26 (0.918-1.74)	1.37 (0.960-1.98)
3-hr	0.377 (0.333-0.432)	0.444 (0.391-0.509)	0.533 (0.468-0.613)	0.607 (0.527-0.705)	0.708 (0.592-0.857)	0.788 (0.642-0.977)	0.870 (0.689-1.11)	0.956 (0.732-1.26)	1.07 (0.784-1.49)	1.17 (0.818-1.68)
6-hr	0.299 (0.264-0.342)	0.352 (0.310-0.404)	0.422 (0.371-0.485)	0.479 (0.417-0.557)	0.558 (0.466-0.675)	0.619 (0.505-0.768)	0.682 (0.540-0.870)	0.747 (0.572-0.985)	0.836 (0.610-1.16)	0.905 (0.634-1.30)
12-hr	0.223 (0.197-0.255)	0.265 (0.233-0.304)	0.321 (0.282-0.369)	0.367 (0.319-0.426)	0.430 (0.359-0.520)	0.479 (0.390-0.593)	0.529 (0.419-0.675)	0.581 (0.445-0.767)	0.653 (0.476-0.904)	0.710 (0.497-1.02)
24-hr	0.163 (0.146-0.186)	0.197 (0.176-0.224)	0.241 (0.216-0.276)	0.278 (0.246-0.319)	0.327 (0.281-0.389)	0.366 (0.308-0.443)	0.405 (0.334-0.502)	0.447 (0.358-0.568)	0.503 (0.388-0.666)	0.548 (0.409-0.749)
2-day	0.114 (0.102-0.129)	0.139 (0.124-0.158)	0.171 (0.153-0.195)	0.197 (0.174-0.226)	0.231 (0.199-0.274)	0.257 (0.217-0.311)	0.283 (0.233-0.351)	0.310 (0.249-0.394)	0.346 (0.267-0.458)	0.374 (0.279-0.510)
3-day	0.092 (0.083-0.105)	0.113 (0.101-0.129)	0.139 (0.124-0.159)	0.160 (0.142-0.184)	0.188 (0.162-0.223)	0.209 (0.176-0.253)	0.229 (0.189-0.284)	0.250 (0.201-0.318)	0.278 (0.214-0.367)	0.298 (0.223-0.408)
4-day	0.077 (0.070-0.088)	0.095 (0.085-0.108)	0.118 (0.105-0.134)	0.135 (0.120-0.156)	0.158 (0.136-0.188)	0.176 (0.148-0.213)	0.193 (0.159-0.239)	0.210 (0.168-0.267)	0.232 (0.179-0.307)	0.249 (0.186-0.340)
7-day	0.056 (0.050-0.063)	0.068 (0.061-0.077)	0.084 (0.075-0.095)	0.096 (0.085-0.110)	0.112 (0.096-0.133)	0.124 (0.104-0.150)	0.136 (0.112-0.168)	0.147 (0.118-0.187)	0.163 (0.125-0.215)	0.174 (0.130-0.238)
10-day	0.045 (0.040-0.051)	0.055 (0.049-0.062)	0.067 (0.060-0.077)	0.077 (0.068-0.089)	0.090 (0.077-0.106)	0.099 (0.083-0.120)	0.108 (0.089-0.134)	0.117 (0.094-0.149)	0.129 (0.099-0.170)	0.138 (0.103-0.188)
20-day	0.030 (0.027-0.034)	0.037 (0.033-0.042)	0.045 (0.040-0.051)	0.051 (0.045-0.059)	0.059 (0.051-0.070)	0.065 (0.054-0.078)	0.070 (0.058-0.087)	0.075 (0.060-0.096)	0.082 (0.063-0.108)	0.087 (0.065-0.118)
30-day	0.024 (0.022-0.027)	0.030 (0.026-0.034)	0.036 (0.032-0.041)	0.041 (0.037-0.047)	0.047 (0.041-0.056)	0.052 (0.044-0.063)	0.056 (0.046-0.069)	0.059 (0.048-0.076)	0.064 (0.050-0.085)	0.067 (0.050-0.092)
45-day	0.021 (0.019-0.024)	0.026 (0.023-0.029)	0.031 (0.028-0.036)	0.036 (0.031-0.041)	0.041 (0.035-0.048)	0.044 (0.037-0.053)	0.047 (0.039-0.058)	0.050 (0.040-0.064)	0.054 (0.041-0.071)	0.056 (0.042-0.077)
60-day	0.019 (0.017-0.021)	0.023 (0.021-0.026)	0.028 (0.025-0.032)	0.031 (0.028-0.036)	0.036 (0.031-0.042)	0.039 (0.032-0.047)	0.041 (0.034-0.051)	0.044 (0.035-0.055)	0.046 (0.036-0.061)	0.048 (0.036-0.066)

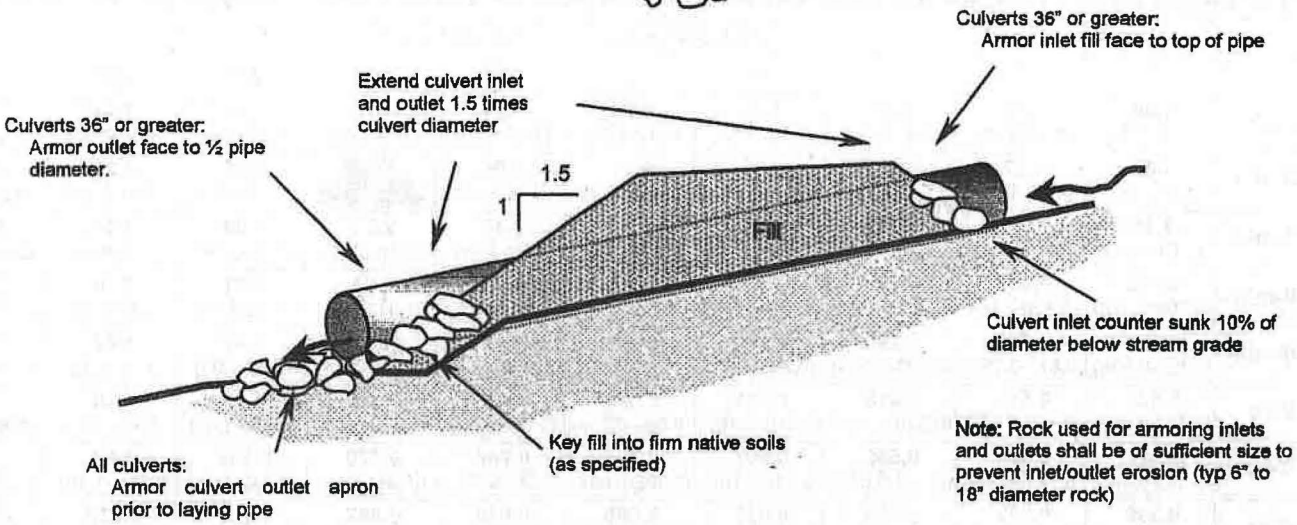
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

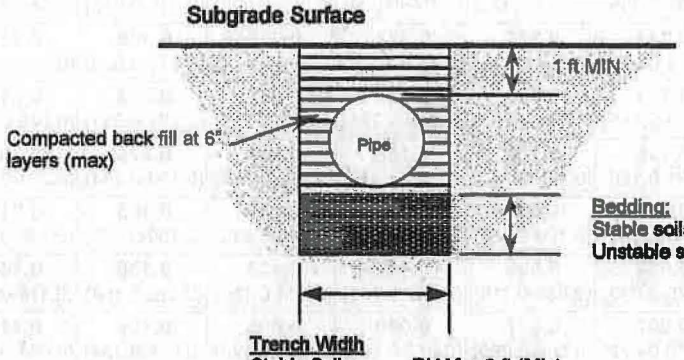
Please refer to NOAA Atlas 14 document for more information.

Back to Top





Note: Rock used for armoring inlets and outlets shall be of sufficient size to prevent inlet/outlet erosion (typ 6" to 18" diameter rock)



Bedding:
Stable soils: Use native
Unstable soils: 2 ft min approved bedding material

Trench Width
Stable Soils: DIAM + 2 ft (Min)
Unstable Soils: DIAM + 4 ft (Min)

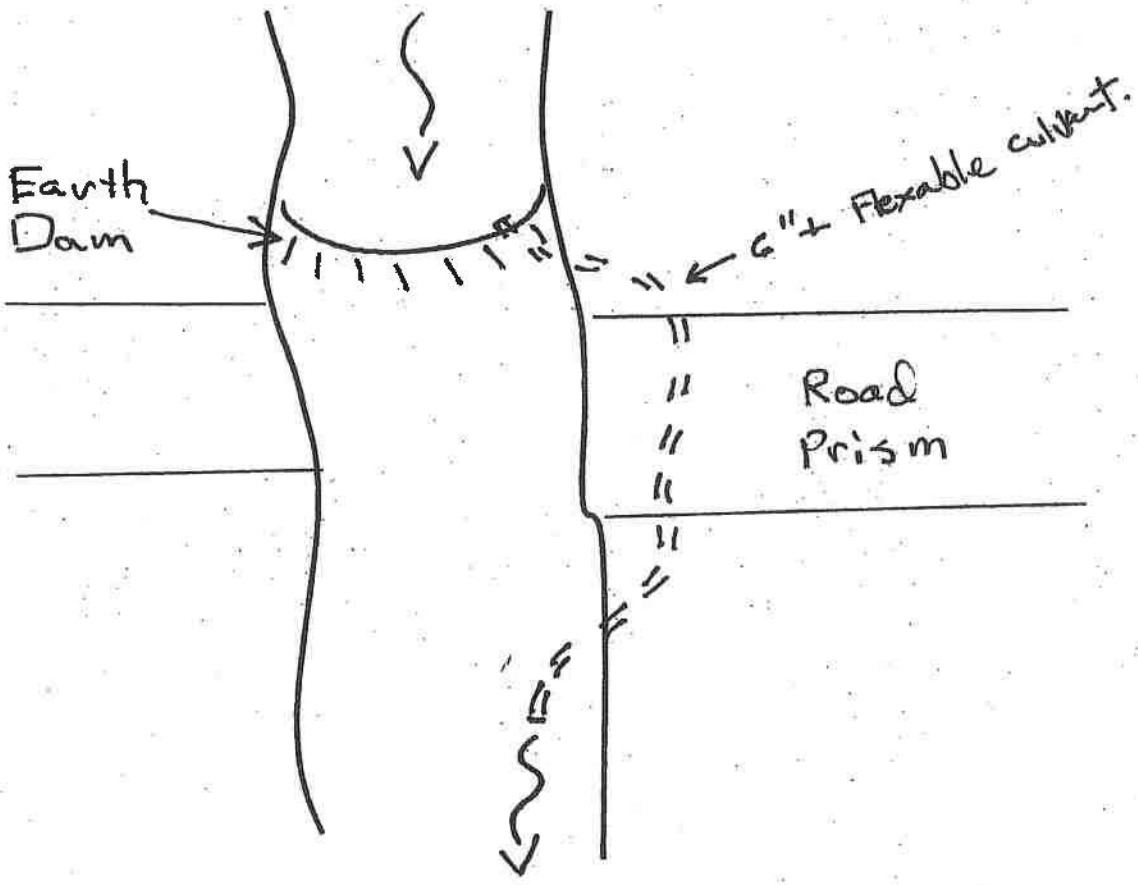
Notes:

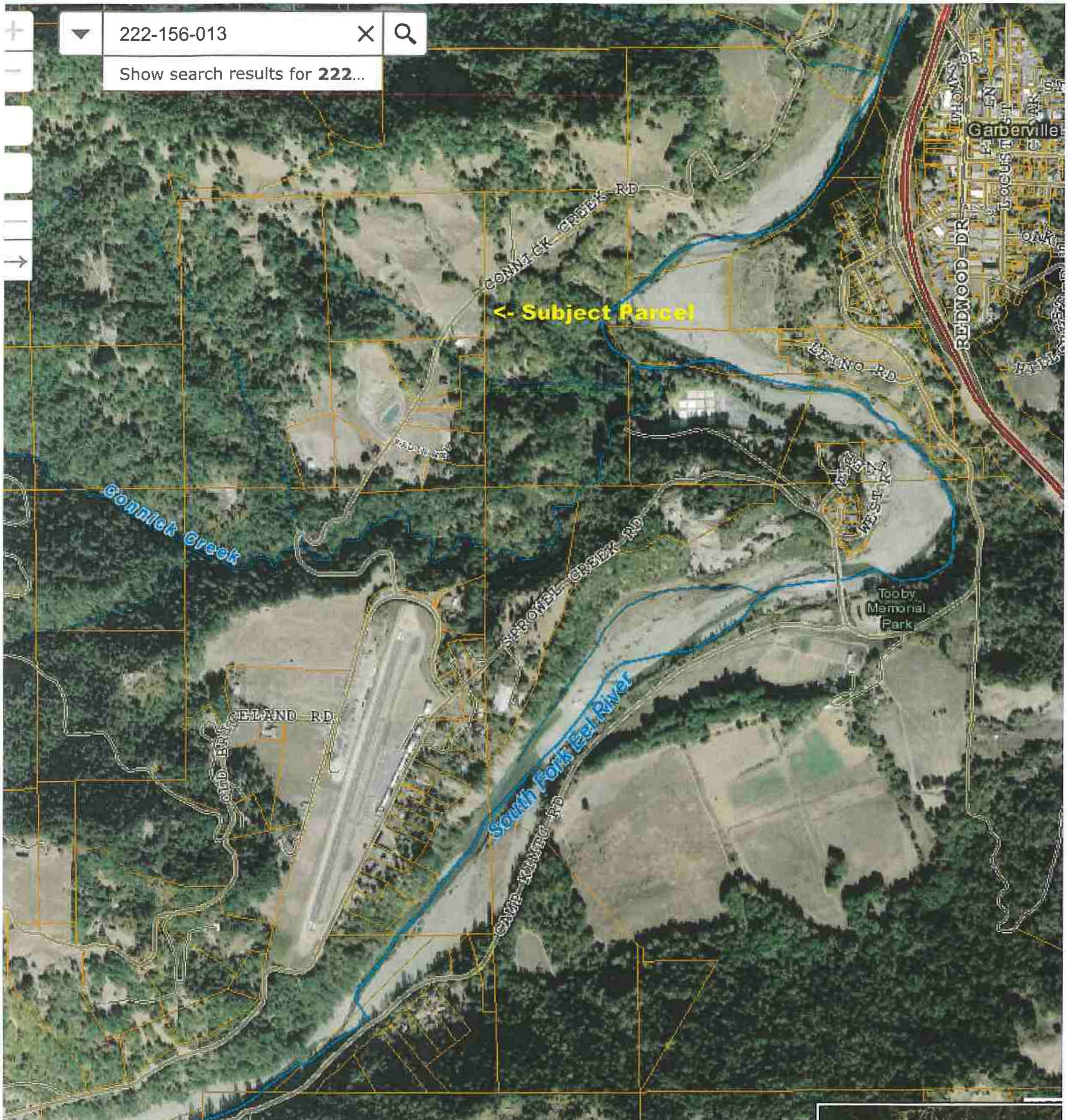
- The culvert bed shall be clean and free of large woody debris and large rocks.
- Unsuitable foundation material (highly plastic material – "blue goo") shall be excavated below the invert elevation of the culvert to an approximate depth of 2 feet and a width of at least the culvert diameter plus 4 feet.
- Unsuitable material shall be replaced with selected granular foundation material and compacted to obtain a uniform foundation.
- Select mineral soil shall be used for culvert backfill. The back fill shall be free of lumps, chunks, highly plastic material, and organic materiel
- No rocks greater than 3" in any dimension placed closer than 1 foot to the culvert.
- Back fill shall be compacted to a degree greater than the surrounding soils. Soil moisture shall be adequate to achieve suitable compaction
- See Text for more detail.

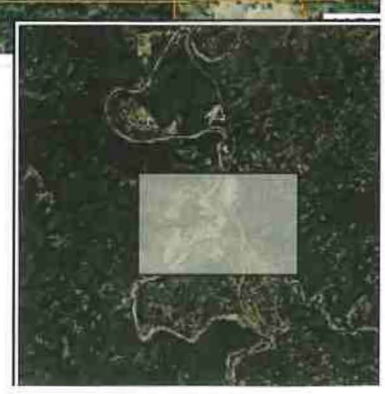
	PERMANENT WATERCOURSE CROSSING STANDARD PLAN	Standard Detail

FG2023 10(D) **Water Diversion Plan**

If water is present and diversion of flow around the work site is necessary, then an impoundment will be constructed and gravity flow or pumping flow through a pipe around the work site will be utilized.




222-156-013
Show search results for 222...
<- Subject Parcel
CONNICK CREEK RD
Connick Creek
SPROWEL CREEK RD
South Fork Eel River
CAMP KIMTU RD
ELAND RD
BELINO RD
REDWOOD DR
Garberville
Tooby Memorial Park
0.1 0.2mi



PARCEL QUEST

LIST 1

DETAIL

☑ 1 Property Address: GARBERVILLE CA 95542

Ownership

County:	**HUMBOLDT, CA**
Assessor:	**MARI WILSON, ASSESSOR**
Parcel # (APN):	**222-156-013-000**
Parcel Status:	**ACTIVE**
Owner Name:	**CONNOLLY PETER P & DEBORAH L TR**
Mailing Address:	**PO BX 382 GARBERVILLE CA 95542**
Legal Description:	

Assessment

Total Value:	**$207,873**	Use Code:	**3105**	Use Type:	**RESIDENTIAL**
Land Value:	**$147,873**	Tax Rate Area:	**156-001**	Zoning:	
Impr Value:	**$60,000**	Year Assd:	**2019**	Census Tract:	**115.00/3**
Other Value:		Property Tax:	**$2,448.84**	Price/SqFt:	
% Improved:	**28%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

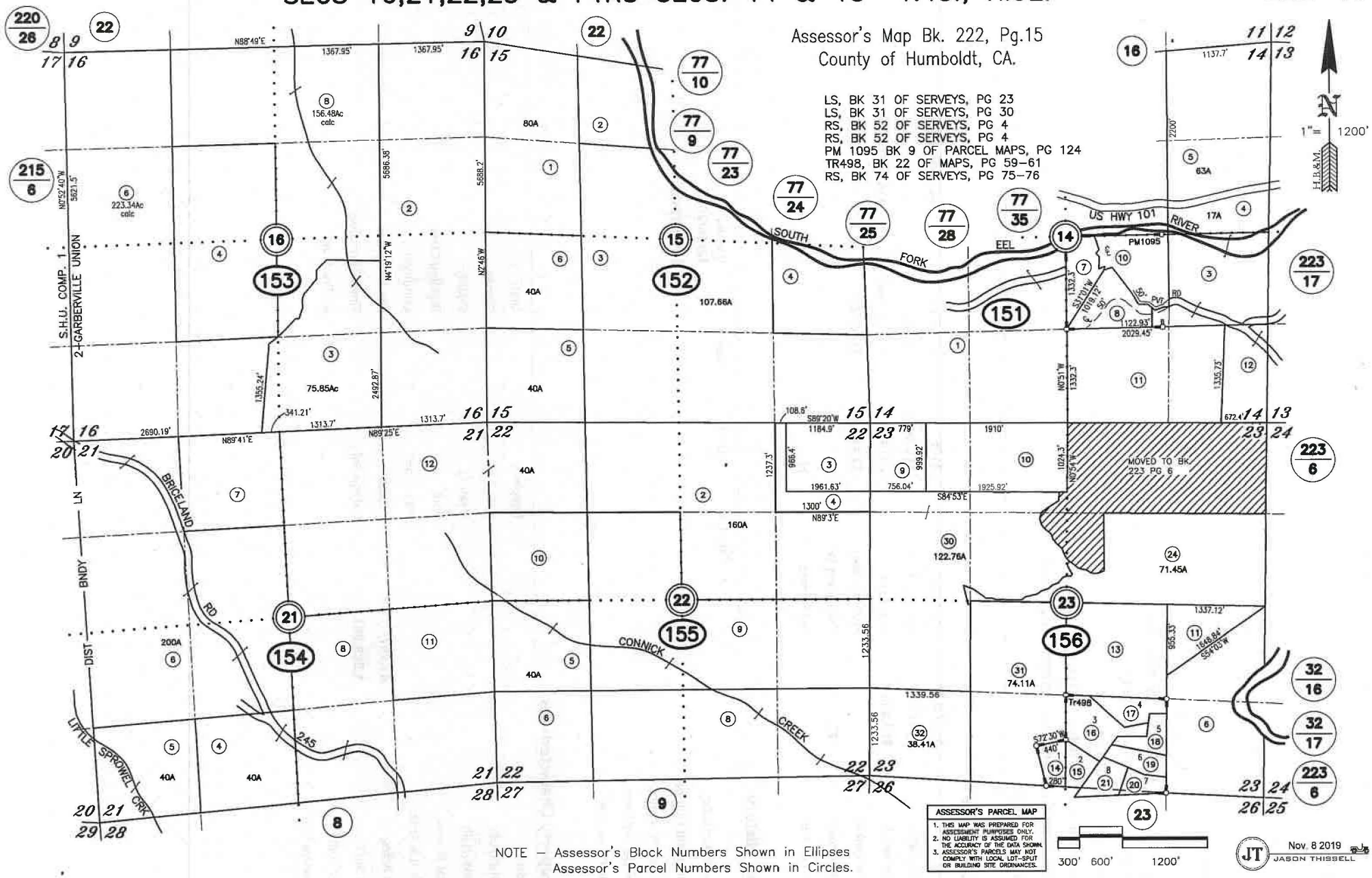
	Sale 1	Sale 2	Sale 3	Transfer
Document Date:				**12/16/2013**
Document Number:				**2013R27982**
Document Type:				
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**43.387**	Spaces:		Site Influence:	
Lot SqFt:	**1,889,961**	Garage SqFt:		Timber Preserve:	
Year Built:				Ag Preserve:	
Effective Year:					

SECS 16,21,22,23 & PTNS SECS. 14 & 15 T.4S., R.3E.

222–15



SITE PLAN

PROJECT INFORMATION:

Applicant: PDCON Enterprises LLC

Site Address:
Connick Creek Road
Garberville, CA 95542
APN: 222-156-013

Land Owner:
Peter & Deborah Connolly
PO Box 382
Garberville, CA 95542

Agent:
Clearwater Ag Services
446 Maple Lane
Garberville, CA 95542

Trees to be Removed: none
Outdoor Cultivation Area: 28,500 sq ft
Earthwork Quantities: none
Water: Municipal Water
Sewer: Portable Toilet
Power: Solar
Parcel Size: 43.39 Acres
Zoning: AE
General Plan Designation: RA40,AP
Easements: Ingress / Egress, Utility / Water Line Easements along Connick Creek Road
No Stream Crossings
No water course within 230' of cultivation area
Slope at cultivation area <5%

(E) - EXISTING
(P) - PROPOSED

DIRECTIONS TO SITE:
Take Hwy. 101 to Sprowel Creek Road exit (639A).
Turn Right, follow Sprowel Creek Road 1.95 miles to Old Briceland Road.
Turn right onto Old Briceland Road. Proceed .22 miles to Connick Creek Road. Take Connick Creek Road .72 miles to cultivation site on right.

GENERAL NOTES:

1. DRAWING SCALE AS NOTED. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.

2. THIS IS NOT A BOUNDARY SURVEY. BOUNDARY INFORMATION DEPICTED HAS BEEN OBTAINED FROM HUMBOLDT COUNTY 2015 GIS DATA. APPLICANT HAS NOT VERIFIED THIS PROPERTY BOUNDARY.

3. THERE ARE NO NEARBY SCHOOLS, SCHOOL BUS STOPS, PLACES OF WORSHIP, PUBLIC PARKS OR TRIBAL RESOURCES WITHIN 600 FEET OF THE CULTIVATION AREA.

4. THERE ARE NO RESIDENCES ON ADJOINING PARCELS WITHIN 300 FEET OF THE CULTIVATION AREAS.

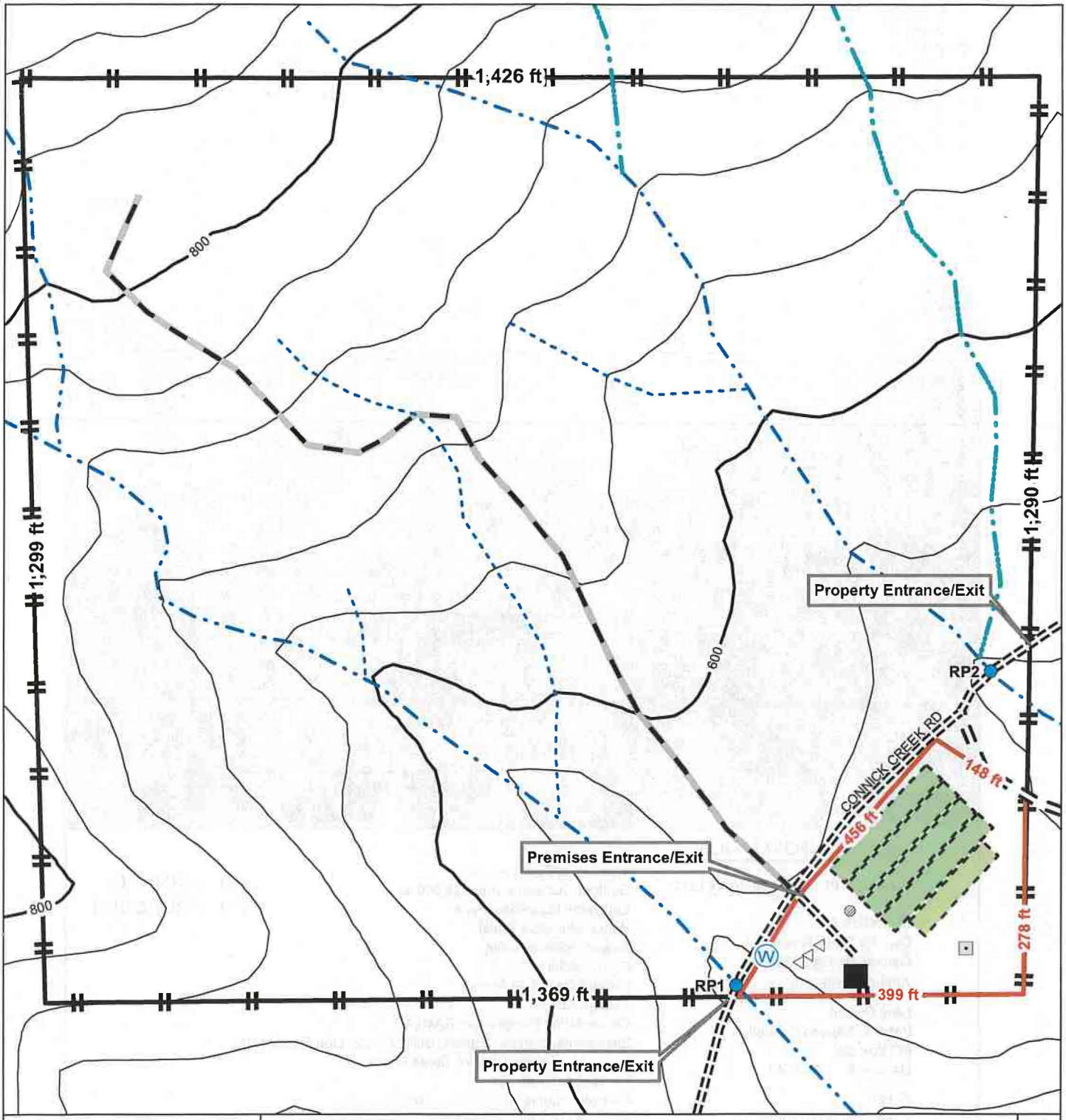
5. ANY EXISTING DEVELOPMENT CONSTRUCTED WITHOUT THE BENEFIT OF COUNTY REVIEW WILL BE SUBJECT TO THE HUMBOLDT COUNTY BUILDING DEPARTMENT UPON APPROVAL OF THE ZONING CLEARANCE CERTIFICATE.

Clearwater Ag Services

707-923-2767

This map is provided without warranty on any kind. Spatial data is approximate. Parcel positions are estimates only. Reasonable effort has been made to ensure the accuracy of the map and data provided, however errors and omissions may still exist. The positional accuracy of the data is approximate and is not intended to represent surveyed information. Do not use this map to determine property boundaries.

1/4/21



PDCON Enterprises LLC
Property Diagram

APN: 222-156-013

Section 23; T4S; R3E; HB&M;
Humboldt County
Located on the Garberville 7.5' USGS Quadrangle

- Stream Crossing
- (E) Municipal Water
- (P) Compost Storage Area
- (P) Mixing Tank
- Parking
- (E) Ag Storage Building
- Class II Stream
- Class III Stream
- Unclassified Class II or III
- Permanent Rocked Access Road
- Non-appurtenant Road
- Private
- (P) 30' X 200' Greenhouse
- (P) 30' X 150' Greenhouse
- Premises Boundary
- Parcel Boundary

NOTE: (E) = Existing (P) = Proposed

N

0 90 180 360 Feet

Contour Interval: 40'
1 inch = 200 feet

Hohman And Associates Forestry Consultants
Date: 1/13/2021

Garberville Sanitary District
PO Box 211
919 Redwood Dr.
Garberville, CA. 95542
Office(707)923-9566 Fax(707)923-3130

CONDITIONAL WILL SERVE AGREEMENT FOR AGRICUTURAL WATER USE

DATE: Dec. 29 2020

CUSTOMER NAME: Peter Connolly

CONTACT INFORMATION:

PHYSICAL ADDRESS: APN NO. 222-156-013

MAILING ADDRESS: P.O.Box 382 Garberville, Ca. 95542

Email: humnatfoods@gmail.com
Phone #(Home) N/A (Business) N/A
Cell Phone# 223-4408
Do you prefer calls or texts? calls

EMERGENCY CONTACT PERSON: Debby Connolly
Phone # 223-4407

DESCRIBE COMMERCIAL ACTIVITY

BUSINESS NAME: PDCON Enterprises, LLC

BUSINESS ADDRESS: P.O. Box 382 Garberville Ca. 95542

PRODUCTS TO BE CULTIVATED, MANUFACTURED OR DISPENSED:
cannabis

TOTAL SQUARE FOOTAGE OF "IRRIGABLE" LAND UNDER CULTIVATION:
28,500 Sq Ft.

ESTIMATED WATER USE DEMANDS IN GALLONS PER MONTH AND YEAR:
30 to 35,000 Gal Month AND 180K to 200K a year

GARBERVILLE SANITARY DISTRICT AGREEMENT

Garberville Sanitary District agrees to provide water for commercial agricultural, manufacturing, research or distribution at **(ADDRESS)** Connick Creek Road **(APN#)** 222-156-013 as long as water is monitored monthly through a separate Garberville Sanitary District approved water meter.

REQUIREMENTS NOW AND IN THE FUTURE:

1. Customer pays a new $8,000 connection fee for agricultural water meter.
2. Install an agricultural water meter approved by GSD Manager or designee.
3. Provide a site plan.
4. Provide an operational plan.
5. Provide a copy of your County application or permit.
6. Fill out annual GSD application for reporting and monitoring.
7. Include $150 with annual application for handling and site visit from GSD management.
8. Comply with all water ordinance conditions and requirements now and in the future.
9. Provide annual reconciliation report for water use efficiency.
10. Notify Garberville Sanitary District of any changes in agreement or water use demands.

If the above requirements and conditions are not met, this "Will Serve" letter will be revoked and the commercial agricultural water meter will be turned off and locked out until compliance is achieved and approved by the General Manager or designee.

CHECK EVERY BOX THAT APPLIES:

- ☑ I am providing accurate information.
- ☑ I will only use GSD water as stated in this agreement.
- ☑ I have read this agreement and agree to the terms, conditions and requirements.
- ☑ I understand that violation of this agreement will result in termination of water service.
- ☑ I have a County approved permit or have a permit pending.

******Please contact Garberville Sanitary District for questions or clarification******

APPROVED BY:

Ralph Emerson
General Manager
Garberville Sanitary District

Owner-Applicant Signature: **Date:** 12-29-2020

Hohman & Associates
FORESTRY CONSULTANTS P.O. Box 733, Hydesville, CA 95547 . (707) 768-3743 . (707) 768-3747 fax

WORK ORDER FOR CONNICK CREEK PARCEL AP 223-061-051

REFERENCE POINTS

101 – Surface drainage. Install rock rolling dip to adequately drain the road prism.

102 – Existing 24" diameter culvert undersized on a class III watercourse. Excavate and replace with a 30" diameter culvert approximately 40' long to channel grade. Line the inlet and outlet with 12" -18" diameter rock. Install a critical dip on center and line the dip with 4"-6" diameter rock. To reduce overland flow, rock the road grade 50' left and right of the center line with crushed 1"+/- rock. No additional rolling dips needed. Potential sediment saving of 30 cubic yards. Note that there is a domestic water line present at the crossing.

103 – Existing 24" diameter culvert undersized on a class III watercourse. Excavate and replace with a 30" diameter culvert approximately 60' long to channel grade. Line the inlet and outlet with 12" -18" diameter rock. Install a critical dip on center and line the dip with 4"-6" diameter rock. To reduce overland flow, rock the road grade 50' left and right of the center line with crushed 1"+/- rock. Cross drain to the left appears to have failed or is failing leading to the crossing. Landowner may replace the culvert with a new 18" diameter culvert or install 6"- 8" diameter rock in its place. No additional rolling dips needed. Potential sediment saving of 60 cubic yards.

104 - Existing culvert undersized on a class III watercourse. Excavate and replace with a 24" diameter culvert approximately 40' long to channel grade. Line the inlet and outlet with 12" -18" diameter rock. Install a critical dip on center and a rock rolling dip 50' right of the culvert. Line both dips with 4"-6" diameter rock. To reduce overland flow, rock the road grade 50' left and right of the center line with crushed 1"+/- rock. Potential sediment saving of 2 cubic yards.

105 - Existing culvert undersized on a class II watercourse. Excavate and replace with a 30" diameter culvert approximately 40' long to channel grade. Line the inlet and outlet with 12" -18" diameter rock. Install a critical dip on center and a rock rolling dip 50' left of the culvert. Line both dips with 4"-6" diameter rock. To reduce overland flow, rock the road grade 100' left and right of the center line with crushed 1"+/- rock. Potential sediment saving of 50 cubic yards.

106 - Existing 30" diameter concrete culvert undersized on a class II watercourse. Excavate and replace with a 36" diameter culvert approximately 60' long to channel grade. Line the inlet and outlet with 12" -18" diameter rock. Install a critical dip on center and a rock rolling dip 40' right of the culvert. Line both dips with 4"-6" diameter rock. To reduce overland flow, rock the road grade 100' left and right of the center line with crushed 1"+/- rock. Potential sediment saving of 120 cubic yards.

107 - Existing 30" diameter concrete culvert undersized on a class II watercourse. Excavate and replace with a 48" diameter culvert approximately 60' long to channel grade. Line the inlet and outlet with 12" -18" diameter rock. Install a critical dip on center and a rock rolling dip 60' right of the culvert. Line both dips with 4"-6" diameter rock. To reduce overland flow, rock the road grade 100' left and right of the center line with crushed 1"+/- rock. Potential sediment saving of 125 cubic yards.

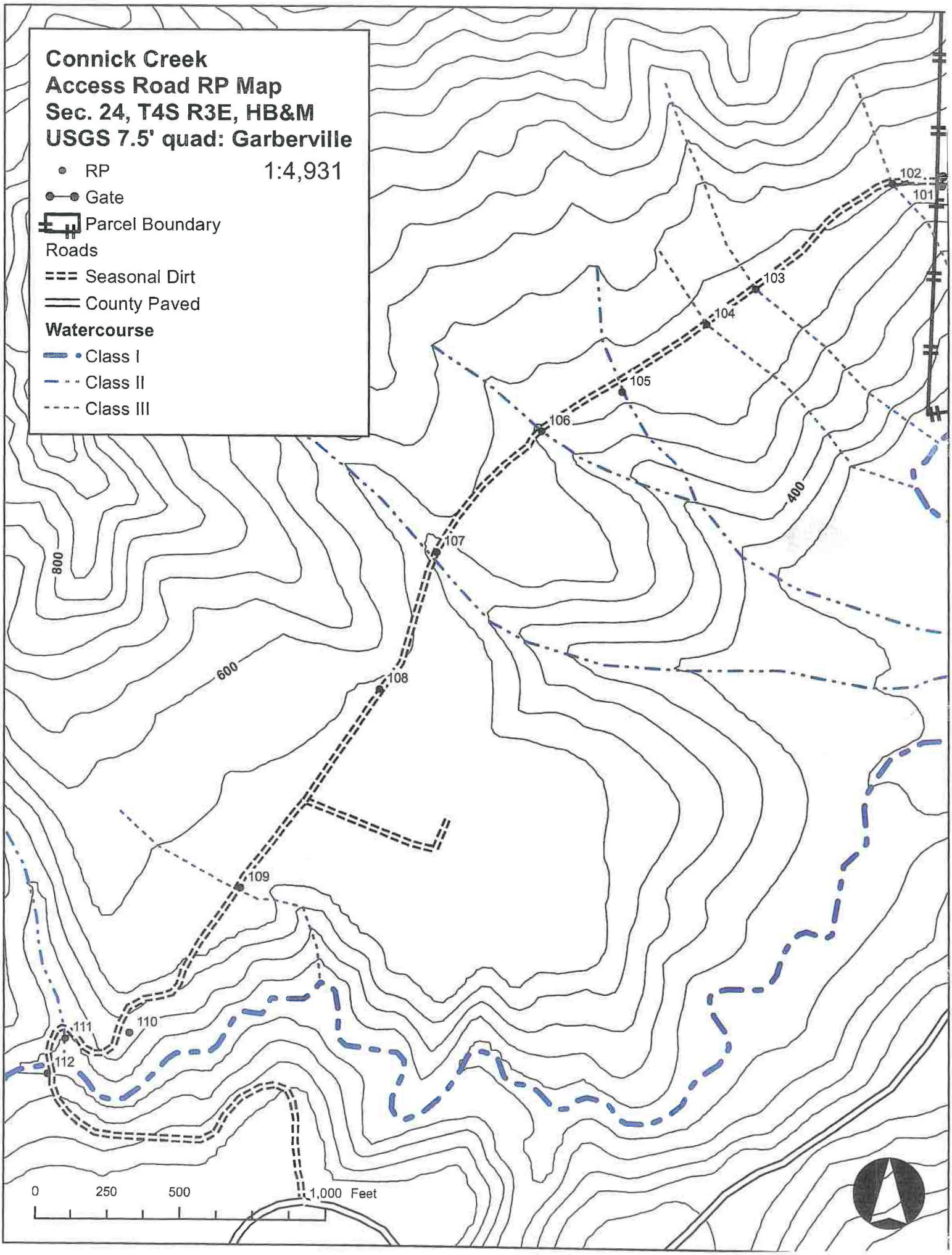
108 – Existing 14" diameter cross drain. Maintain the inlet/outlet.

109 - Existing 12" diameter culvert undersized on a class III watercourse. Excavate and replace with a 33" diameter culvert approximately 40' long to channel grade. Line the inlet and outlet with 12" - 18" diameter rock. Install a critical dip on center and line the dip with 4"-6" diameter rock. To reduce overland flow, rock the road grade 50' left and right of the center line with crushed 1"+/- rock. No additional rolling dips needed. Potential sediment saving of 35 cubic yards.

110 - Existing 18" diameter cross drain. Maintain the inlet/outlet.

111 – Existing two (2) 36" diameter culverts on a class II watercourse. Appears functioning and appropriate sized for the drainage. To reduce overland flow, rock the road grade 100' left and right of the center line with crushed 1"+/- rock. No sediment discharge.

112- Existing 60' rail bridge across a Class I watercourse. Crossing approaches shows no signs of erosion and the footings appear appropriate. Maintain crossing as is. No sediment discharge.


Connick Creek
Access Road RP Map
Sec. 24, T4S R3E, HB&M
USGS 7.5' quad: Garberville
RP
1:4,931
Gate
Parcel Boundary
Roads
Seasonal Dirt
County Paved
Watercourse
Class I
Class II
Class III
101
102
103
104
105
106
107
108
109
110
111
112
400
600
800
0
250
500
1,000 Feet

Photos & Maps

RP 102

RP 103

NOAA Atlas 14, Volume 6, Version 2
Location name: Garberville, California, USA*
Latitude: 40.1053°, Longitude: -123.8021°
Elevation: 441.39 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	1.98 (1.75-2.27)	2.33 (2.05-2.68)	2.81 (2.47-3.23)	3.22 (2.80-3.73)	3.78 (3.16-4.57)	4.24 (3.44-5.24)	4.70 (3.73-6.01)	5.21 (4.00-6.88)	5.92 (4.32-8.20)	6.48 (4.55-9.35)
10-min	1.42 (1.25-1.63)	1.67 (1.47-1.91)	2.02 (1.77-2.32)	2.30 (2.00-2.68)	2.71 (2.26-3.28)	3.04 (2.47-3.76)	3.37 (2.67-4.31)	3.74 (2.86-4.93)	4.24 (3.10-5.87)	4.65 (3.26-6.70)
15-min	1.14 (1.01-1.31)	1.35 (1.19-1.54)	1.62 (1.42-1.87)	1.86 (1.61-2.16)	2.18 (1.82-2.64)	2.44 (1.99-3.03)	2.72 (2.15-3.47)	3.01 (2.31-3.97)	3.42 (2.50-4.74)	3.75 (2.62-5.40)
30-min	0.800 (0.706-0.916)	0.942 (0.830-1.08)	1.13 (0.996-1.31)	1.30 (1.13-1.51)	1.53 (1.28-1.85)	1.71 (1.39-2.12)	1.90 (1.51-2.43)	2.11 (1.61-2.78)	2.39 (1.74-3.31)	2.62 (1.84-3.77)
60-min	0.557 (0.491-0.637)	0.655 (0.577-0.752)	0.790 (0.693-0.909)	0.903 (0.785-1.05)	1.06 (0.887-1.29)	1.19 (0.969-1.48)	1.32 (1.05-1.69)	1.47 (1.12-1.93)	1.66 (1.21-2.30)	1.82 (1.28-2.63)
2-hr	0.434 (0.383-0.497)	0.512 (0.450-0.587)	0.616 (0.540-0.708)	0.702 (0.610-0.816)	0.822 (0.686-0.994)	0.916 (0.746-1.14)	1.01 (0.802-1.29)	1.12 (0.854-1.47)	1.25 (0.916-1.74)	1.37 (0.957-1.97)
3-hr	0.377 (0.333-0.432)	0.445 (0.392-0.510)	0.534 (0.469-0.614)	0.607 (0.528-0.706)	0.709 (0.592-0.857)	0.788 (0.642-0.977)	0.870 (0.688-1.11)	0.955 (0.731-1.26)	1.07 (0.781-1.48)	1.16 (0.815-1.68)
6-hr	0.299 (0.264-0.342)	0.353 (0.310-0.404)	0.423 (0.371-0.486)	0.480 (0.418-0.558)	0.559 (0.467-0.676)	0.620 (0.505-0.768)	0.681 (0.539-0.870)	0.745 (0.571-0.983)	0.833 (0.607-1.15)	0.901 (0.631-1.30)
12-hr	0.223 (0.197-0.255)	0.266 (0.234-0.305)	0.322 (0.282-0.370)	0.368 (0.320-0.427)	0.430 (0.359-0.520)	0.478 (0.390-0.593)	0.528 (0.418-0.674)	0.579 (0.444-0.764)	0.649 (0.474-0.899)	0.704 (0.493-1.01)
24-hr	0.163 (0.146-0.186)	0.197 (0.177-0.225)	0.242 (0.216-0.276)	0.278 (0.247-0.320)	0.328 (0.282-0.389)	0.366 (0.308-0.443)	0.404 (0.333-0.501)	0.445 (0.357-0.566)	0.500 (0.386-0.661)	0.543 (0.405-0.742)
2-day	0.114 (0.102-0.129)	0.139 (0.124-0.158)	0.171 (0.153-0.196)	0.197 (0.175-0.227)	0.232 (0.199-0.275)	0.257 (0.217-0.312)	0.283 (0.234-0.351)	0.310 (0.249-0.394)	0.345 (0.266-0.456)	0.372 (0.278-0.508)
3-day	0.092 (0.083-0.105)	0.113 (0.101-0.129)	0.140 (0.125-0.160)	0.161 (0.143-0.185)	0.188 (0.162-0.224)	0.209 (0.176-0.253)	0.230 (0.189-0.284)	0.250 (0.201-0.318)	0.277 (0.214-0.367)	0.298 (0.222-0.407)
4-day	0.078 (0.070-0.088)	0.095 (0.085-0.109)	0.118 (0.105-0.135)	0.136 (0.120-0.156)	0.159 (0.136-0.188)	0.176 (0.148-0.213)	0.193 (0.159-0.239)	0.210 (0.168-0.267)	0.232 (0.179-0.307)	0.248 (0.186-0.339)
7-day	0.056 (0.050-0.063)	0.068 (0.061-0.078)	0.084 (0.075-0.096)	0.096 (0.085-0.111)	0.112 (0.096-0.133)	0.124 (0.104-0.150)	0.136 (0.112-0.168)	0.147 (0.118-0.187)	0.162 (0.125-0.215)	0.173 (0.130-0.237)
10-day	0.045 (0.040-0.051)	0.055 (0.049-0.063)	0.067 (0.060-0.077)	0.077 (0.068-0.089)	0.090 (0.077-0.107)	0.099 (0.083-0.120)	0.108 (0.089-0.134)	0.117 (0.094-0.149)	0.128 (0.099-0.170)	0.137 (0.102-0.187)
20-day	0.030 (0.027-0.034)	0.037 (0.033-0.042)	0.045 (0.040-0.051)	0.051 (0.045-0.059)	0.059 (0.051-0.070)	0.064 (0.054-0.078)	0.070 (0.058-0.086)	0.075 (0.060-0.095)	0.081 (0.063-0.108)	0.086 (0.064-0.118)
30-day	0.024 (0.022-0.027)	0.030 (0.027-0.034)	0.036 (0.032-0.041)	0.041 (0.037-0.047)	0.047 (0.041-0.056)	0.052 (0.043-0.062)	0.055 (0.046-0.069)	0.059 (0.048-0.075)	0.064 (0.049-0.085)	0.067 (0.050-0.092)
45-day	0.021 (0.019-0.024)	0.026 (0.023-0.029)	0.031 (0.028-0.036)	0.035 (0.031-0.041)	0.040 (0.035-0.048)	0.044 (0.037-0.053)	0.047 (0.039-0.058)	0.050 (0.040-0.063)	0.053 (0.041-0.071)	0.056 (0.042-0.076)
60-day	0.019 (0.017-0.021)	0.023 (0.021-0.026)	0.028 (0.025-0.032)	0.031 (0.028-0.036)	0.036 (0.031-0.042)	0.038 (0.032-0.047)	0.041 (0.034-0.051)	0.043 (0.035-0.055)	0.046 (0.036-0.061)	0.048 (0.036-0.066)

[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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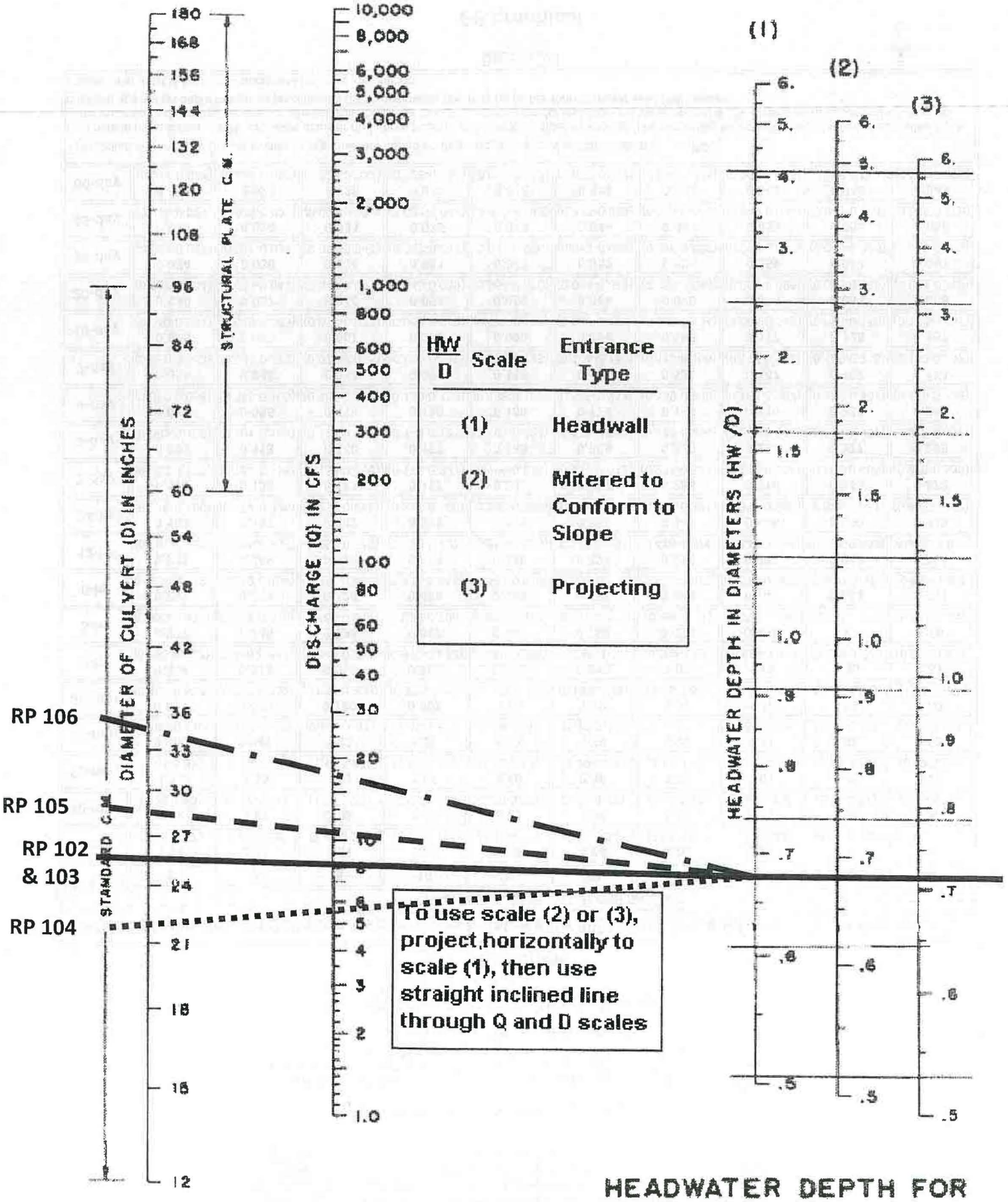
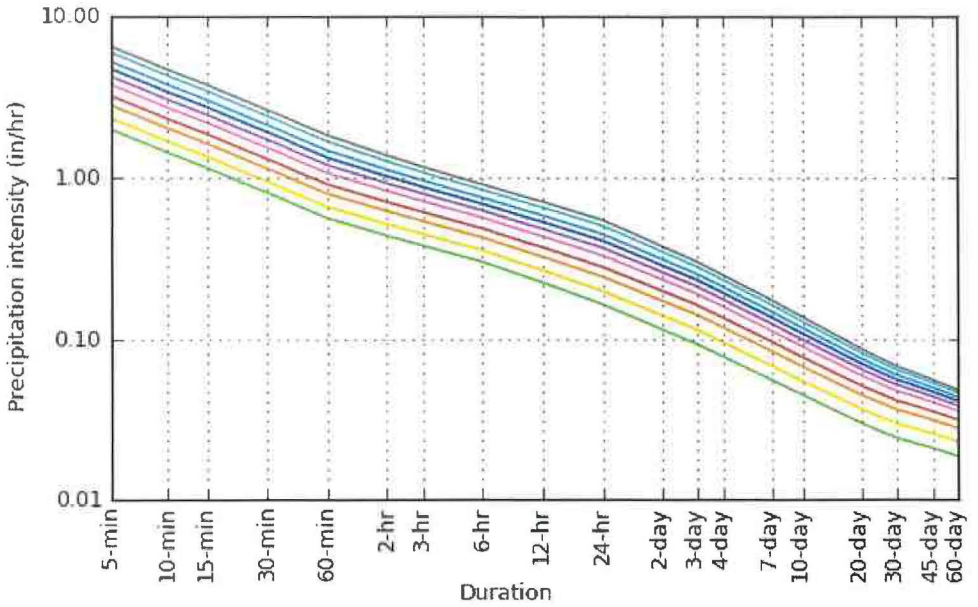
PF graphical

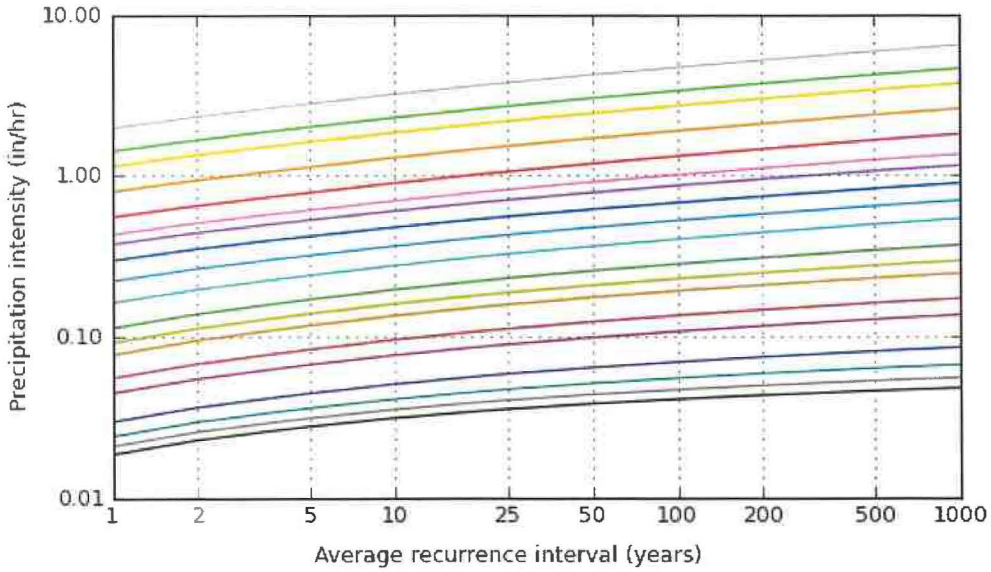
Connick Creek South Pg. 1



HEADWATER DEPTH FOR C. M. PIPE CULVERTS WITH INLET CONTROL

PDS-based intensity-duration-frequency (IDF) curves
Latitude: 40.1053°, Longitude: -123.8021°





NOAA Atlas 14, Volume 6, Version 2

Created (GMT): Thu Feb 6 21:53:03 2020

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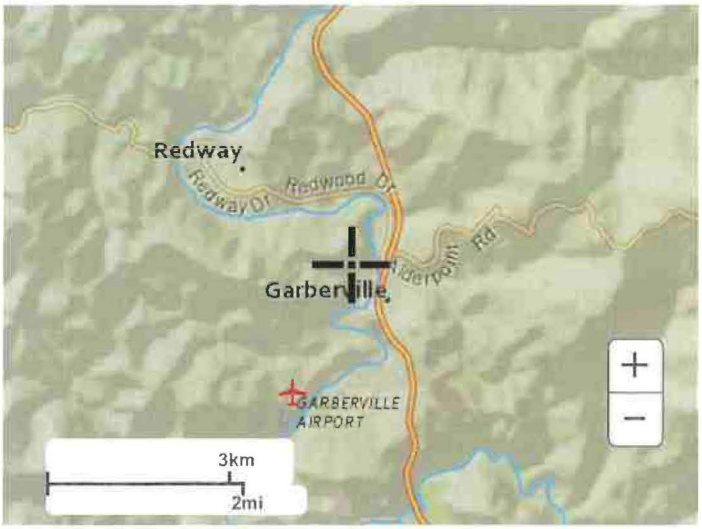
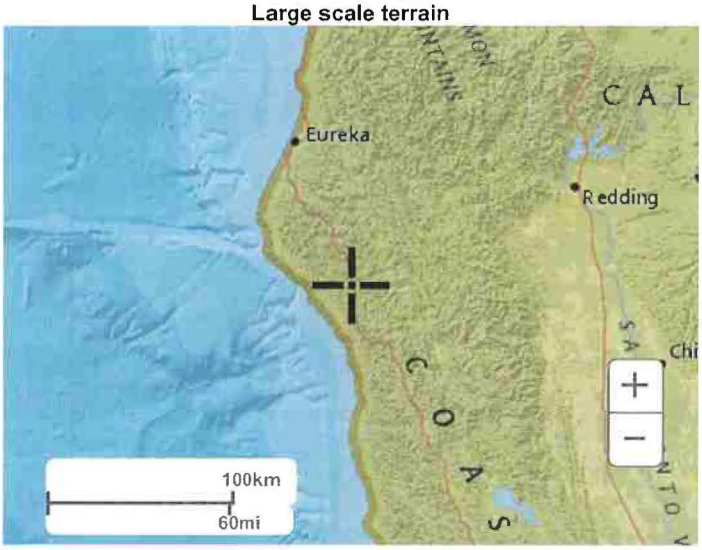
Maps & aerials

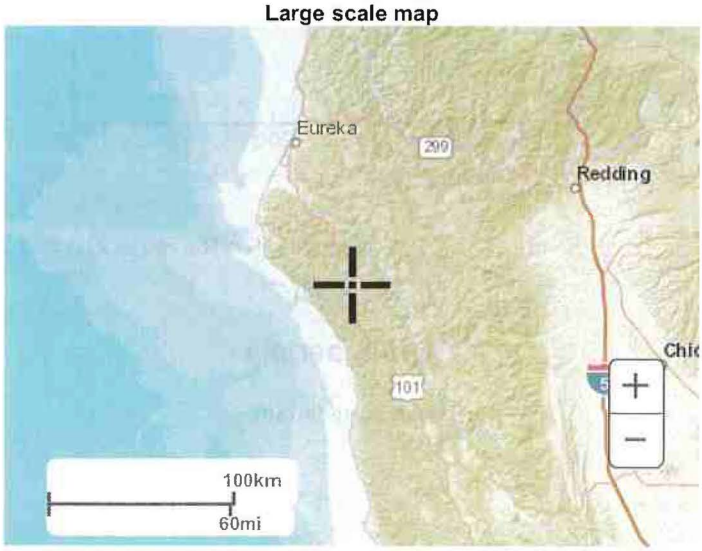
Small scale terrain



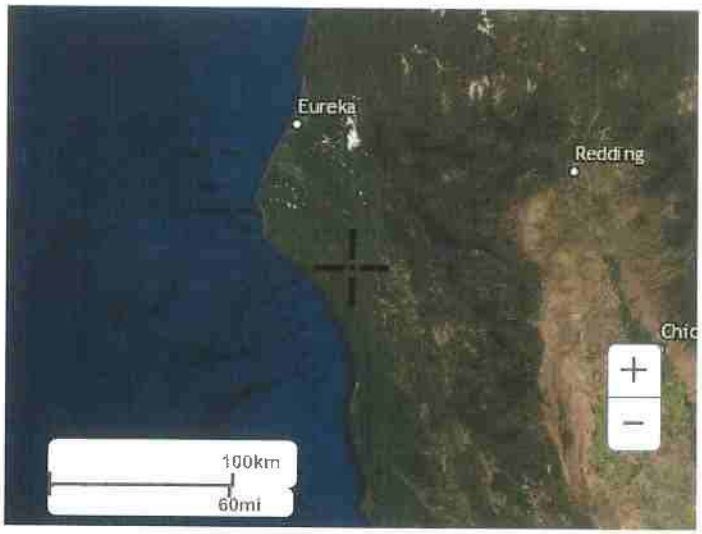
Large scale terrain



Large scale map



Large scale aerial



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National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

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