



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 enclosed instructions and submit ALL required enclosures. Attach additional pages, if necessary.

1. APPLICANT PROPOSING PROJECT

Name	Meghan Moody			
Business/Agency	Mad River Family Farms LLC			
Mailing Address	P.O. Box 4312			
City, State, Zip	Arcata, Ca, 95518			
Telephone	707-273-2401	Fax		
Email	meghan4truth@gmail.com			

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

Name	Chris Carroll @ Timberland Resource Consultants			
Street Address	165 South Fortuna Blvd			
City, State, Zip	Fortuna, Ca, 95540			
Telephone	707-725-1897	Fax		
Email	carroll@timberlandresource.com			

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

Name	Mad River Family Farms LLC			
Street Address	P.O. Box 4312			
City, State, Zip	Arcata, Ca, 95518			
Telephone		Fax		
Email				

4. PROJECT NAME AND AGREEMENT TERM

A. Project Name		Moody 1600		
B. Agreement Term Requested		<input checked="" type="checkbox"/> Regular (5 years or less) <input type="checkbox"/> Long-term (greater than 5 years)		
C. Project Term		D. Seasonal Work Period		E. Number of Work Days
Beginning (year)	Ending (year)	Start Date (month/day)	End Date (month/day)	
2019	2024	June 15th	October 15th	
				TBD



5. AGREEMENT TYPE

Check the applicable box. If box B, C, D, E, or F is checked, complete the specified attachment.	
A.	<input checked="" type="checkbox"/> Standard (Most construction projects, excluding the categories listed below)
B.	<input type="checkbox"/> Gravel/Sand/Rock Extraction (Attachment A) Mine I.D. Number: _____
C.	<input type="checkbox"/> Timber Harvesting (Attachment B) THP Number: _____
D.	<input checked="" type="checkbox"/> Water Diversion/Extraction/Impoundment (Attachment C) SWRCB Number: <u>S025121, S025786</u>
E.	<input type="checkbox"/> Routine Maintenance (Attachment D)
F.	<input checked="" type="checkbox"/> Cannabis Cultivation (Attachment E)
G.	<input type="checkbox"/> Department Grant Programs Agreement Number: _____
H.	<input type="checkbox"/> Master
I.	<input type="checkbox"/> 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: The Department may not process this notification until the correct fee has been received.**

A. Project		B. Project Cost	C. Project Fee
1	1 Points of Diversion	<\$5,000	\$596.00
2	5 Crossing Upgrades	<\$5,000	\$2,980.00
3	1 Pond Embankment	<\$5,000	\$596.00
4			
5			
6			
7			
8			
9			
10	Remediation Fee > 1,000 sq ft		\$5,313.00
		D. Base Fee (if applicable)	
		E. TOTAL FEE*	\$9,485.00

* Cash, check, and Visa or MasterCard 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, the Department 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 the Department?

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

Take State Highway 36 to US Forest Service Road 1 to County Line Creek to Salyer Mad River Road 10 miles to West River Road, Mad River, Ca, 95552

See attached Location Map.

Continued on additional page(s)

B. River, stream, or lake affected by the project. Unnamed Class II & III

C. What water body is the river, stream, or lake tributary to? Unnamed Class II & III - Mad 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

F. USGS 7.5 Minute Quad Map Name	G. Township	H. Range	I. Section	J. ¼ Section
Blake Mountain, CA	2N	5E	28	NW

Continued on additional page(s)

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

L. Assessor's Parcel Number(s)

208-221-008, 208-221-015, & 208-221-016

Continued on additional page(s)



M. Coordinates (If available, provide at least latitude/longitude or UTM coordinates and check appropriate boxes)			
Latitude/Longitude	Latitude:	See Addendum 8M	Longitude:
	<input type="checkbox"/> Degrees/Minutes/Seconds	<input checked="" type="checkbox"/> Decimal Degrees	<input type="checkbox"/> Decimal Minutes
UTM	Easting:	Northing:	<input type="checkbox"/> Zone 10 <input type="checkbox"/> Zone 11
Datum used for Latitude/Longitude or UTM		<input type="checkbox"/> NAD 27	<input checked="" type="checkbox"/> NAD 83 or WGS 84

9. PROJECT CATEGORY

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



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.
- Enclose diagrams, drawings, plans, 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.

See Addendum 10

Continued on additional page(s)

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

An excavator, a dump truck, a tractor, and a grader may be used during this project.

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 proposed 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 Addendum 10

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
See Addendum 10	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____
	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____

Tree Species	Number of Trees to be Removed	Trunk Diameter (range)
See Addendum 10		

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

Anadromous Salmonids downstream.

Continued on additional page(s)

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

CNDDB

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 a hydrological study been completed for the project or project site?

Yes (Enclose the hydrological study) No

Note: A hydrological study or other information on site hydraulics (e.g., flows, channel characteristics, and/or flood recurrence intervals) may be required to evaluate potential project impacts on hydrology.

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 the Department to deem your notification complete. If "no" is checked, or the resolution of the mapping or delineation is insufficient, the Department may request mapping or delineation (in digital or non-digital format), or higher resolution mapping or delineation for the Department to deem the notification complete.

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

A. Describe the techniques that will be used to prevent sediment from entering watercourses during and after construction.

Soil Stabilization Measures attached. The Applicant shall adhere to CDFW's standard measures for stream crossing upgrades, which consist of: Work within the active channel of a stream shall be restricted to periods of dry weather; Excavated fill material shall be placed in upland locations where it cannot deliver to a watercourse; and ensuring runoff from steep, erodible surfaces will be diverted into stable areas with little erosion potential or contained behind erosion control structures.

Continued on additional page(s)

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

Crossing upgrades and remediation shall be conducted/implemented per attached BMPs, which are taken from the California Salmonid Stream Habitat Restoration Manual & Handbook for Forest, Ranch and Rural Roads.

Continued on additional page(s)

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

The crossing upgrades and remediation are expected to minimize baseline sedimentation levels entering the watershed from the property, and will avoid potential significant impacts associated with total crossing failure.

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. Water Quality Control Board Order No. 2015-0023 Applied Issued
- B. Commercial Medical Marijuana Land Use Ordinance 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 draft or final document been prepared for the project pursuant to the California Environmental Quality Act (CEQA) and/or National Environmental Protection Act (NEPA)?

- Yes (Check the box for each CEQA or NEPA document that has been prepared and enclose a copy of each.)
- No (Check the box for each CEQA or NEPA document listed below that will be or is being prepared.)

- | | | |
|---|--|---|
| <input type="checkbox"/> Notice of Exemption | <input checked="" type="checkbox"/> Mitigated Negative Declaration | <input type="checkbox"/> NEPA document (type):
_____ |
| <input type="checkbox"/> Initial Study | <input type="checkbox"/> Environmental Impact Report | |
| <input type="checkbox"/> Negative Declaration | <input type="checkbox"/> Notice of Determination (Enclose) | |
| <input type="checkbox"/> THP/ NTMP | <input type="checkbox"/> Mitigation, Monitoring, Reporting Plan | |

B. State Clearinghouse Number (if applicable) No. 2015042074

C. Has a CEQA lead agency been determined? Yes (Complete boxes D, E, and F) No (Skip to box 14.G)

D. CEQA Lead Agency California Regional Water Quality Control Board North Coast

E. Contact Person Mathias St. John F. Telephone Number 707-570-3762

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).

See Addendum 10's discussion of California Regional Water Quality Control Board North Coast Region Order No. 2015-0023, Waiver of Waste Discharge Requirements and General Water Quality Certification for Discharges of Waste Resulting from Cannabis Cultivation and associated Activities or Operations with Similar Environmental Effects in the North Coast Region.

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: If a CEQA filing fee is required, the Lake or Streambed Alteration Agreement may not be finalized until paid.



15. SITE INSPECTION

Check one box only.

- In the event the Department determines that a site inspection is necessary, I hereby authorize a Department 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 the Department such entry.
- I request the Department to first contact (*insert name*) Chris Carroll
at (*insert telephone number*) 707-725-1897 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 the Department's determination as to whether a Lake or Streambed Alteration Agreement is required and/or the Department'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, the Department 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 the Department has been separately notified of that project in accordance with Fish and Game Code section 1602 or 1611.

Chris Carroll
Signature of Applicant or Applicant's Authorized Representative

1-21-19
Date

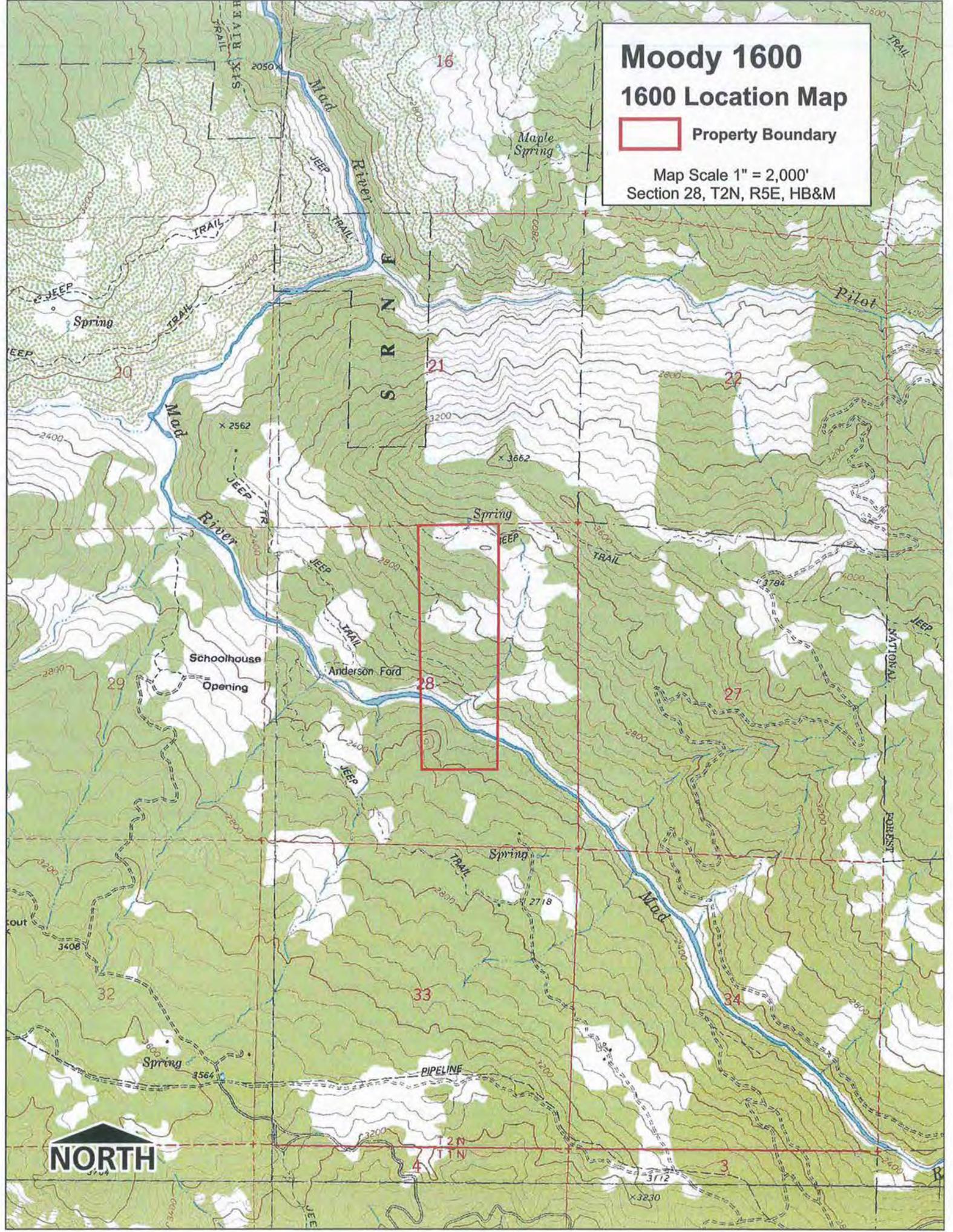
Chris Carroll
Print Name

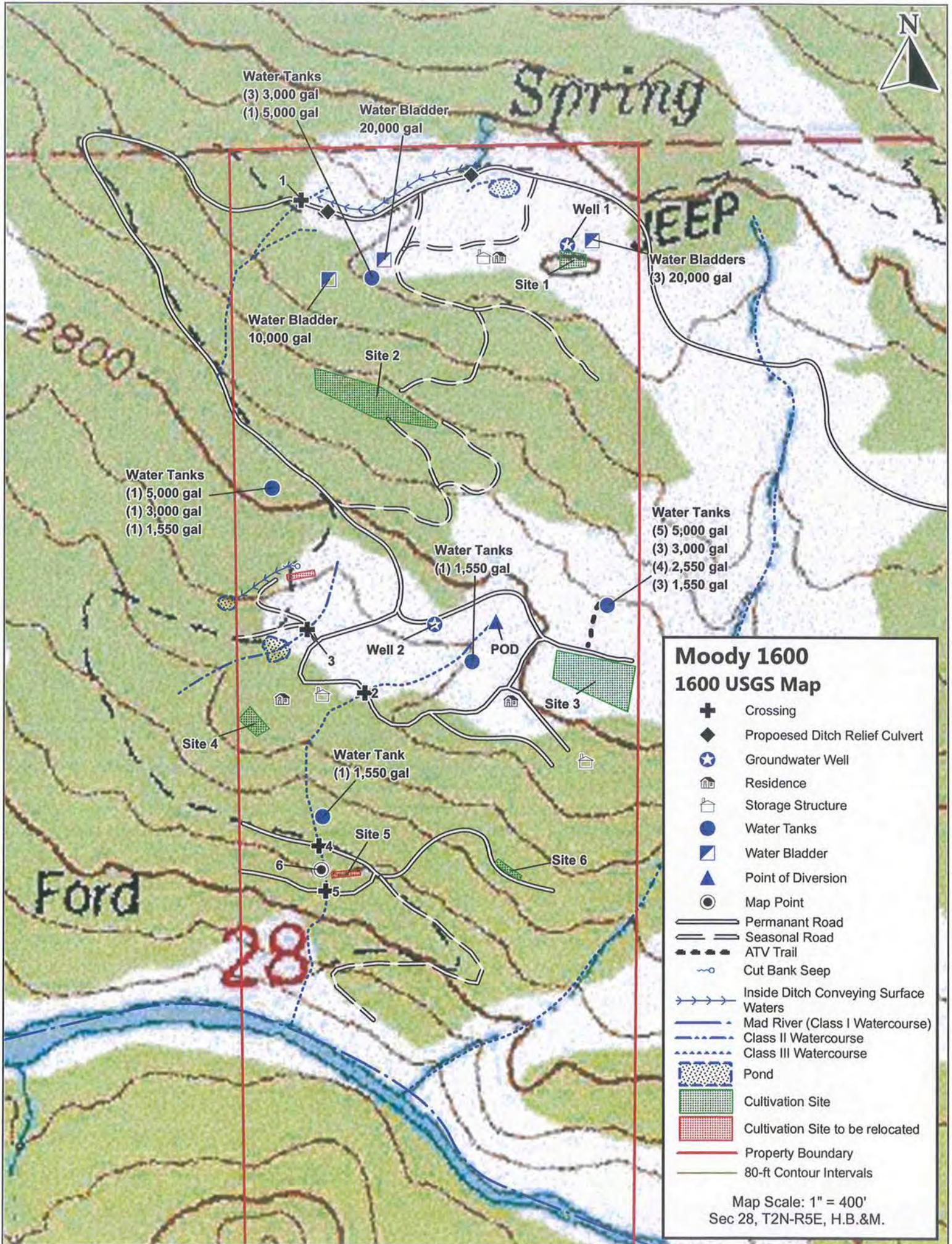
Moody 1600

1600 Location Map

 Property Boundary

Map Scale 1" = 2,000'
Section 28, T2N, R5E, HB&M





Water Tanks
(3) 3,000 gal
(1) 5,000 gal

Water Bladder
20,000 gal

Spring

Well 1

Water Bladders
(3) 20,000 gal

Site 1

Water Bladder
10,000 gal

Site 2

2800

Water Tanks
(1) 5,000 gal
(1) 3,000 gal
(1) 1,550 gal

Water Tanks
(1) 1,550 gal

Water Tanks
(5) 5,000 gal
(3) 3,000 gal
(4) 2,550 gal
(3) 1,550 gal

Well 2

POD

Site 3

Site 4

Water Tank
(1) 1,550 gal

Site 5

Site 6

Ford

28

Moody 1600 1600 USGS Map

- Crossing
- Proposed Ditch Relief Culvert
- Groundwater Well
- Residence
- Storage Structure
- Water Tanks
- Water Bladder
- Point of Diversion
- Map Point
- Permanant Road
- Seasonal Road
- ATV Trail
- Cut Bank Seep
- Inside Ditch Conveying Surface Waters
- Mad River (Class I Watercourse)
- Class II Watercourse
- Class III Watercourse
- Pond
- Cultivation Site
- Cultivation Site to be relocated
- Property Boundary
- 80-ft Contour Intervals

Map Scale: 1" = 400'
Sec 28, T2N-R5E, H.B.&M.

Addendum 8M – Coordinates (NAD 83 DECIMAL DEGREES)

Rain Catchment Pond: -123.6142657°; 40.53074858°

On-Stream Pond: -123.6165980°; 40.52631297°

POD: -123.6140301°; 40.52666270°

Groundwater Well A: -123.6131822°; 40.53019058°

Groundwater Well B: -123.6147849°; 40.52664229°

Crossing #1: -123.6164725°; 40.53058542°

Crossing #2: -123.6156384°; 40.52599680°

Crossing #3: -123.6163521°; 40.52658413°

Crossing #4: -123.6161831°; 40.52456835°

Crossing #5: -123.6160953°; 40.52414846°

Map Point #6: -123.6161506°; 40.52434587°

Addendum 10 – Project Description

Project Description: This project is associated with three Humboldt County Applications, two of which have interim permits, application #11730 has an interim permit for 10,760 ft² of outdoor cultivation, application #11727 has an interim permit for 6,816 ft² of outdoor cultivation, and application #11728 is for 28,080 ft² of outdoor cultivation still being reviewed. The projects are located in the Mad River watershed within APN's 208-221-015, 208-221-016, and 208-221-008. This notification is for five crossing upgrades, one Point of Diversion in a Class II Spring, two permitted Groundwater Wells and an On-stream Pond. Watercourse classifications shown on the maps and referenced below are based upon observations of channel conditions not presence and/or absence of aquatic species. Watercourses designated in this notification are based upon 14CCR 895.1 stated as the following: Watercourse means any well-defined channel with distinguishable bed and bank showing evidence of having contained flowing water indicated by deposit of rock, sand, gravel, or soil, including but not limited to, streams as defined in PRC 4528(f). Watercourse also includes manmade watercourses.

Rain Catchment Pond: The overflow spillway for the pond is a lined channel 50-feet long by 1-foot deep by 2-feet wide which outlets into a swale feature. The pond currently does not connect hydrologically and only catches rain water which for emergency use.

On-Stream Pond: The pond is constructed in a Class III watercourse. The Class III watercourse is currently bypassing around the western bank of the pond in a 10-inch diameter by an estimated 125-foot long plastic flow pipe that outlets below the pond embankment. The Pond is currently not connected hydrologically at the inlet and only catches rain water which is stored for emergency use only.

POD: The diversion structure is a 24-inch diameter by 8-foot deep cylindrical concrete cistern in the head of a spring fed Class III watercourse. Surface water is diverted by gravity via a 1-inch polyline to a 1,550-gallon hard plastic water tank located 170-feet southwest of the POD. In the past the diversion was used for domestic use and 25% of the water diverted is deeded from this structure to the neighboring parcels. The Applicant does not plan to use this diversion, however would like it permitted for emergency use only.

Addendum 10 – Project Description (Cont.)

Water Storage and Use: Presently there are 57,650-gallons of hard plastic water storage tanks and 90,000-gallons in water storage bladders plumbed the to two permitted Groundwater Wells A & B (Well Completion Reports attached). The Applicant shall install a water meters and record monthly agricultural and domestic water use.

Crossing #1: Existing 12-inch diameter, 20-foot long plastic culvert crossing on a Class III watercourse. This culvert is not functioning correctly and undersized for a 100-year flow. The inside ditch is hydrologically connected to the Class III watercourse at the inlet of the crossing. The inside ditch shall have a ditch relief culvert installed to disconnect the road surface runoff from the watercourse. The crossing shall be upgraded to a minimum 18-inch diameter culvert with a length required to satisfy the attached specifications. The upgrade requires the excavation and temporary displacement of approximately 12 cubic yards of fill and 105 ft² of overall disturbance (30-foot length by 4-foot deep by 3.5-foot wide). The replacement of this culvert requires the loss of native grasses, forbs, and ferns.

Crossing #2: Existing 24-inch diameter, 20-foot long plastic culvert crossing on a spring fed Class II watercourse. This culvert is functioning but too short, and undersized for a 100-year flow. The crossing shall be upgraded to a minimum 42-inch diameter culvert with a length required to satisfy the attached specifications. The upgrade requires the excavation and temporary displacement of approximately 25 cubic yards of fill and 220 ft² of overall disturbance (40-foot length by 6-foot deep by 5.5-foot wide). The replacement of this culvert requires the loss of native grasses, forbs, and ferns.

Crossing #3 Existing 10-inch diameter, 40-foot long plastic culvert crossing on a spring fed Class II watercourse. This culvert is functioning but too short, and undersized for a 100-year flow. The crossing shall be upgraded to a minimum 48-inch diameter culvert with a length required to satisfy the attached specifications. The upgrade requires the excavation and temporary displacement of approximately 40 cubic yards of fill and 300 ft² of overall disturbance (50-foot length by 6-foot deep by 6-foot wide). The replacement of this culvert requires the loss of a 6-inch DBH Douglas-fir, native grasses, forbs, and ferns.

Crossing #4: Existing 18-inch diameter, 20-foot long plastic culvert crossing on a Class III watercourse. This culvert appears to have failed recently and is not functioning correctly, it is also too short, and undersized for a 100-year flow. The crossing shall be upgraded to a minimum 48-inch culvert with a length required to satisfy the attached specifications. The upgrade requires the excavation and temporary displacement of approximately 20 cubic yards of fill and 180 ft² of overall disturbance (30-foot length by 5-foot deep by 6-foot wide). The replacement of this culvert requires the loss of native grasses, forbs, and ferns.

Crossing #5: Existing dirt ford crossing on a Class III watercourse. This dirt ford crossing is on a seasonally accessed road. The crossing shall be upgraded to rocked ford installed per the attached specifications. The upgrade requires the placement of approximately 6 cubic yards of fill and 160 ft² of overall disturbance (20-foot length by 1-foot deep by 8-foot wide). The replacement of this culvert requires the loss of native grasses, forbs, and ferns.

Addendum 10 – Project Description (Cont.)

Map Point #6: Past grading within the SMA has resulted in the placement of fill in the Class III stream channel. The channel realignment requires the removal of the fill and the recontouring of the watercourse banks to a 3:1 slope. The channel shall be 30-feet long by 4-feet deep by 4-feet wide. The removal of fill and remediation of this site shall require the removal of approximately 35 cubic yards of fill and 360 ft² overall disturbance (30-feet long by 4-feet deep by 12-feet wide). The remediation requires the loss of native forbs and grasses.

All roads and developed sites were assessed for compliance with CDFW, which includes jurisdictional 1600 sites and potential California Fish and Game Code Section 5650 violations. The Applicant is enrolled into *California Regional Water Quality Control Board North Coast Region Order No. 2015-0023, Waiver of Waste Discharge Requirements and General Water Quality Certification for Discharges of Waste Resulting from Cannabis Cultivation and Associated Activities or Operations with Similar Environmental Effects in the North Coast Region (WDID# 1B170372CHUM)*. TRC has completed the WRPP and concurrently evaluating compliance with the Standard Conditions per Provision I.B of Order No. R1-2015-0023. The WRPP is attached.

Remediation Plan

Per Item II of Attachment E, a cultivation Property Diagram is in the process of being prepared by the Applicant for each parcel which is to be submitted to CDFA. The Property Diagram will be submitted to CDFW upon completion. Per Item III of Attachment E, this notification has three projects, two of which have interim permits, application #11730 has 10,760 ft² of outdoor cultivation, application #11727 has 6,816 ft² of outdoor cultivation, and one application #11728 for 28,080 ft² of outdoor cultivation is still being reviewed by Humboldt County for Commercial Cultivation, Processing, Manufacturing and Distribution of Cannabis for medical use. The county sends CDFW a copy of the complete application during the referral process, which has not occurred to date. If CDFW requires a copy of the county application to deem this notification complete, the agent will provide. A CDFA temporary license number is TAL18-0008053 for APN 208-221-008 and it is the only one available at this time. The Applicant is in the process of completing the CDFA applications and requirements. If a CDFA license is administered it will be provided to CDFW.

Addendum 10 – Pictures



Picture 1: Residence place of domestic water use. Photo date 11-07-2017.



Picture 2: Storage structure located 110-feet northeast of the residence. Photo date 11-07-2017.

Addendum 10 – Pictures (Cont.)



Picture 3: Cultivation site 1 located in front of the residence. Photo date 11-07-2017.

Addendum 10 – Pictures (Cont.)



Picture 4: Groundwater Well A located on the north side of Cultivation site 1. Photo date 11-07-2017.

Addendum 10 – Pictures (Cont.)



Picture 5: Three 20,000-gallon water bladders. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 6: A spring pool overflows is intercepted by the road's inside ditch. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 7: A spring pool overflows is intercepted by the road's inside ditch for 300-feet. The water is eroding the inside ditch and the Applicant shall install a DRC. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 8: A spring pool overflows is intercepted by the road's inside ditch. The Applicant shall install a ditch relief culvert to convey the spring water into the swale feature. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 9: Looking at location of the proposed outlet of the DRC. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 10: The inside ditch is drain 400-feet of road and is hydrologically connected to the Class III watercourse at the inlet of Crossing #1. The Applicant shall install a ditch relief culvert to disconnect the road surface runoff. The proposed location is mapped and flagged. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 11: Looking upstream at the outlet of Crossing #1 on a Class III watercourse. The outlet is half buried in sediment due to the hydrologically connected inside ditch. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 12: Looking downstream at the inlet of Crossing #1 on a Class III watercourse. Photo date 10-24-2017.

Addendum 10 – Pictures



Picture 13: Three 3,000-gallon and one 5,000-gallon hard plastic water storage tank. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 14: This is a 20,000-gallon water bladder. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 15: This is a 10,000-gallon water storage bladder. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 16: Cultivation Site 2. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 17: Permitted Groundwater Well B located 150-feet northwest of Crossing #2. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 18: Cultivation site located 150-feet north of Crossing #2 shall be relocated. Photo date 11-07-2017.

Addendum 10 – Pictures (Cont.)



Picture 19: Cut bank seep located 15-feet north of the cultivation site to be relocated. Photo date 11-07-2017.

Addendum 10 – Pictures (Cont.)



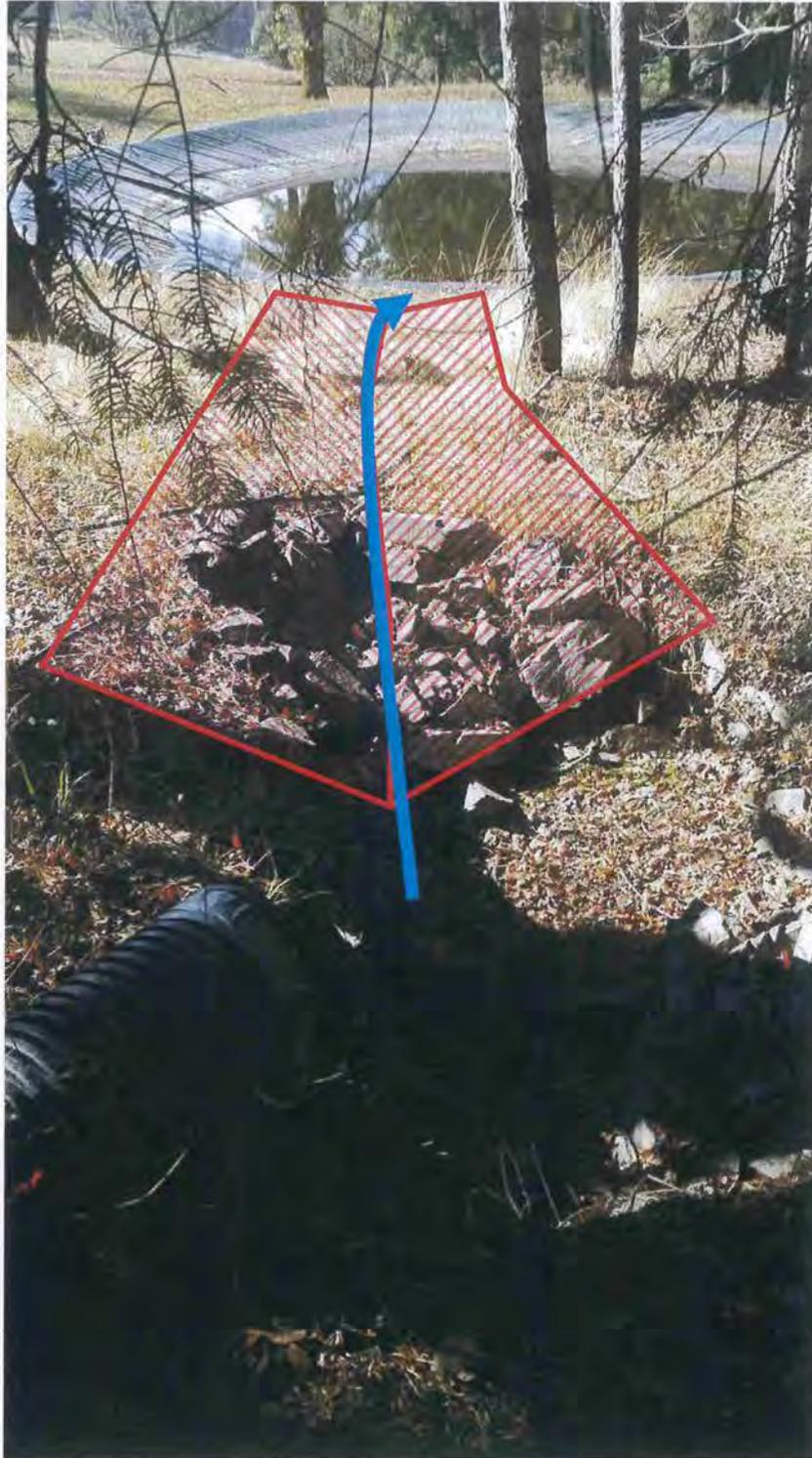
Picture 20: On-stream Pond located within the Class III watercourse. The pond has been constructed over the Class III watercourse. The watercourse is by passing around the northside via a 10-inch diameter flex pipe to bypass the pond. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 21: Looking at the outlet of Crossing #3 into the rocked inlet of the pond bypass. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 22: A rocky spillway constructed at the outlet of Crossing #3 and the inlet to the pond bypass. The rocky spillway shall be designed to accept larger flows. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 23: The Class III watercourse is currently bypassing the pond which is proposed to have a rocky spillway inlet constructed to facilitate larger flows through the pond. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 24: Looking the On-Stream Pond embankment and overflow structure on the Class III watercourse. Photo date Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 25: Looking downstream from the On-Stream Pond embankment at the outlet of the bypass pipe on a Class III watercourse. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 26: Looking upstream at the On-Stream Pond and the proposed rocky spillway from outlet on a Class III watercourse. Photo date Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 27: Residence is a place of domestic water use. Photo date 11-07-2017.

Addendum 10 – Pictures



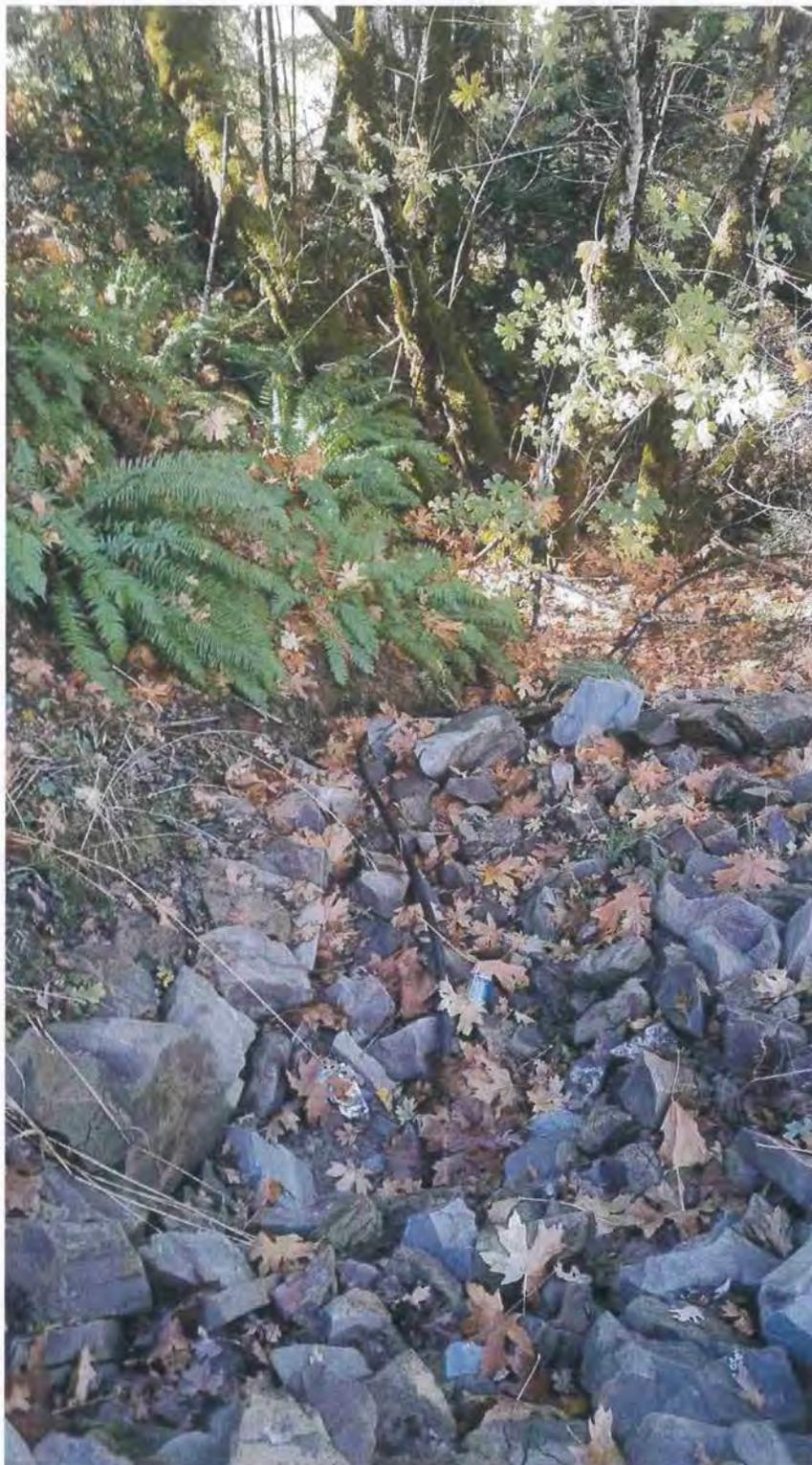
Picture 28: Two greenhouses located at Cultivation Site 100-feet southwest of the residence. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 29: Looking at the inlet to Crossing #2 on a Class III watercourse. Photo date 11-07-2017.

Addendum 10 – Pictures



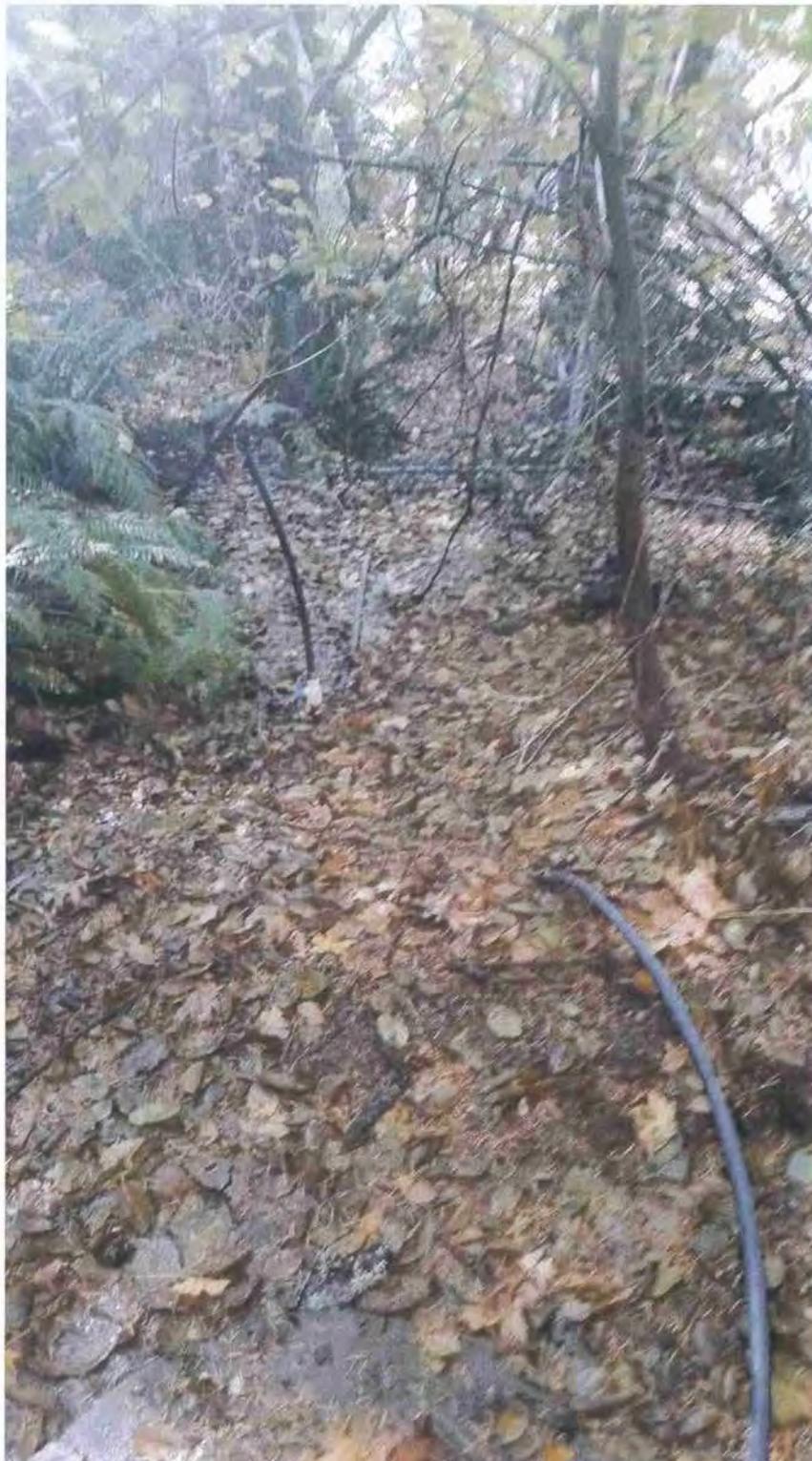
Picture 30: Looking downstream at the outlet of Crossing #2 on a Class III watercourse. Photo date 11-7-2017.

Addendum 10 – Pictures



Picture 31: The Point of diversion is a concrete cistern in Class II Spring at the head of a watercourse. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 32: Looking downstream from POD at the head of a Class III watercourse. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 33: Looking upstream of the POD at the head of a spring fed Class III watercourse. Photo date 11-07-2017.

Addendum 10 – Pictures



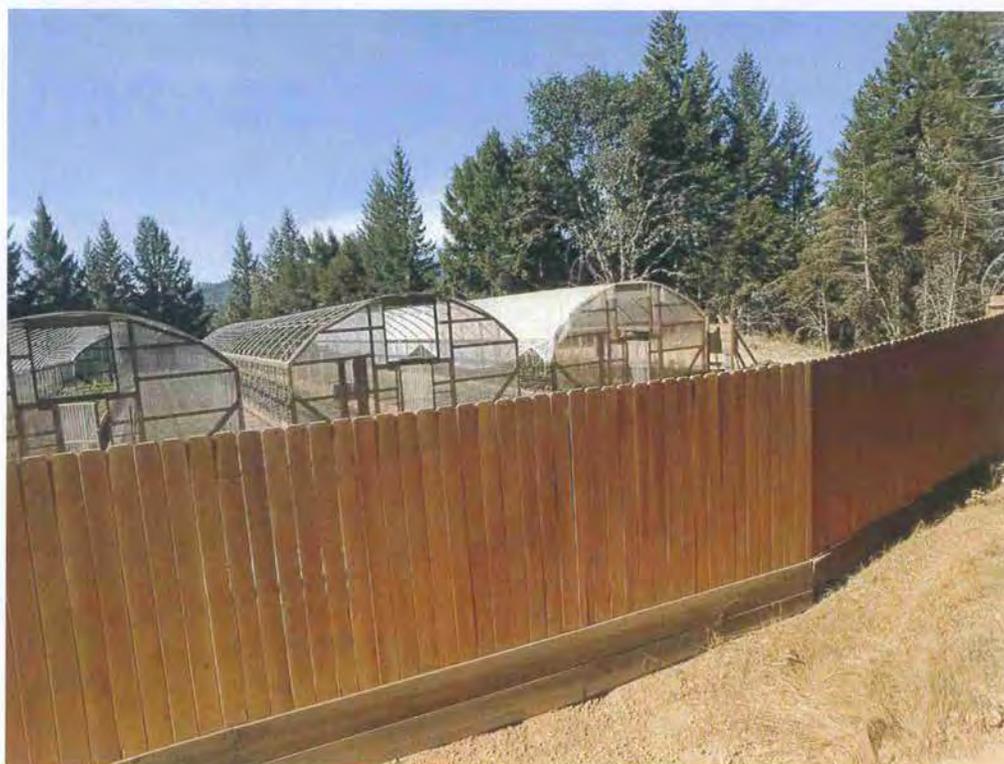
Picture 34: One 1,550-gallon hard plastic water storage tank plumbed to POD. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 35: Residence is a place of domestic water use. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 36 & 37: This is Cultivation Site 3. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 38: Looking at the inlet to Crossing #4 on a Class III watercourse. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 39: Looking at the outlet to Crossing #4 on Class III watercourse. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 40: One 1,550-gallon hard plastic water storage tank located 100-feet north of Crossing #4. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 41: A greenhouse is 15-feet from a Class III watercourse at Cultivation Site 5. The site shall be decommissioned and the greenhouse moved outside the riparian buffer to a more suitable location. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 42: A greenhouse is 15-feet from a Class III watercourse at Cultivation Site 5. The site shall be decommissioned and the greenhouse moved outside the riparian buffer to a more suitable location. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 43: Map Point #6 which is a Class III watercourse that has the potential to divert out of its existing channel located 15-feet west of Cultivation site 5. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 44: Looking upstream at Crossing #5 from the eastern approach on a Class III watercourse. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 45: Looking downstream from Crossing #5 at the outlet on a Class III watercourse. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 46: This is one greenhouse at Cultivation Site 6. Photo date 11-07-2017.

Addendum 10 – Pictures



Picture 47: Rain Catchment Pond located 300-feet northwest of Groundwater Well A. Photo date 07-14-2016.

Addendum 10 – Pictures



Picture 48: Rain Catchment Pond overflow spillway is not hydrologically connected and outlets into a vegetated swale 30-feet west. Photo date 07-14-2016.

Addendum 11F – Hydrologic Study

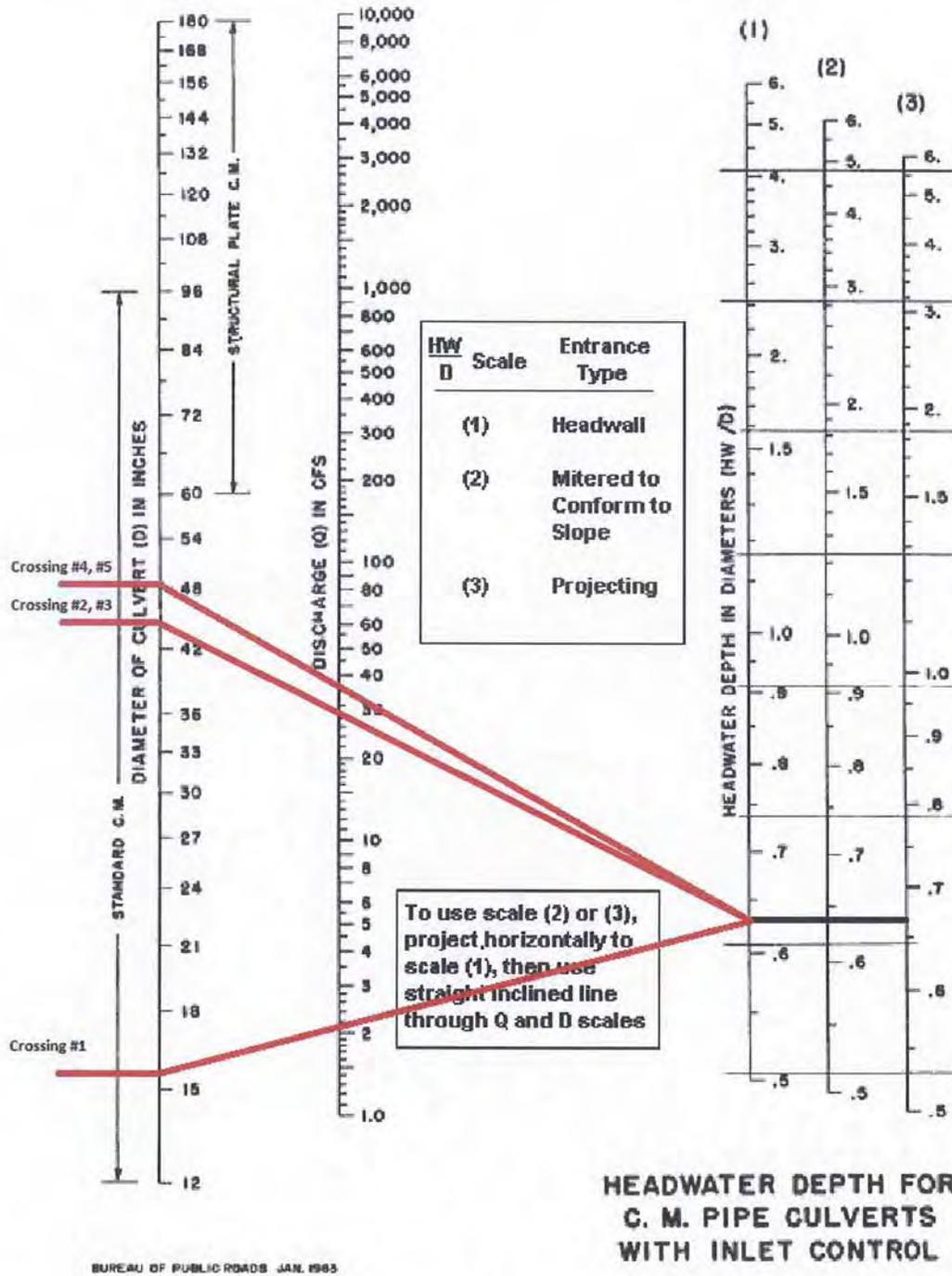
This notification utilizes the Rationale Method to determine for 100-year flood flow utilizing methods recommended in “*Designing Watercourse Crossings for Passage of 100-year Flood Flows, Wood, and Sediment.*” 2004 Peter Cafferata, Thomas Spittler, Michael Wopat, Greg Bundros, and Sam Flanagan. This report recommends that the rational method be limited to watersheds less than 100 acres. The 100-year Return-Period precipitation data is from:

http://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html?bkmrk=ca

Rational Method for 100-year flood flow (A < 25 acres)								
$T_c = 60((11.9 \times L^3)/H)^{0.385}$					$Q_{100} = CIA$			
No.	Crossing	Channel length (to top of basin) (mi) L	Elevation difference (ft) H	Concentration time (min) Tc	Runoff coefficient C	100-year Return-Period Precipitation (in/hr) I*	Area (acres) A	100-yr flood flow (cfs) Q100
	1				0.4	3.87	1.4	2.2
	2				0.4	3.87	20	31.0
	3				0.4	3.87	19	29.4
	4				0.4	3.87	24	37.2
	5				0.4	3.87	25	38.7

Addendum 11F – Hydrologic Study (Cont.)

Normann and others (1985) culvert sizing nomograph

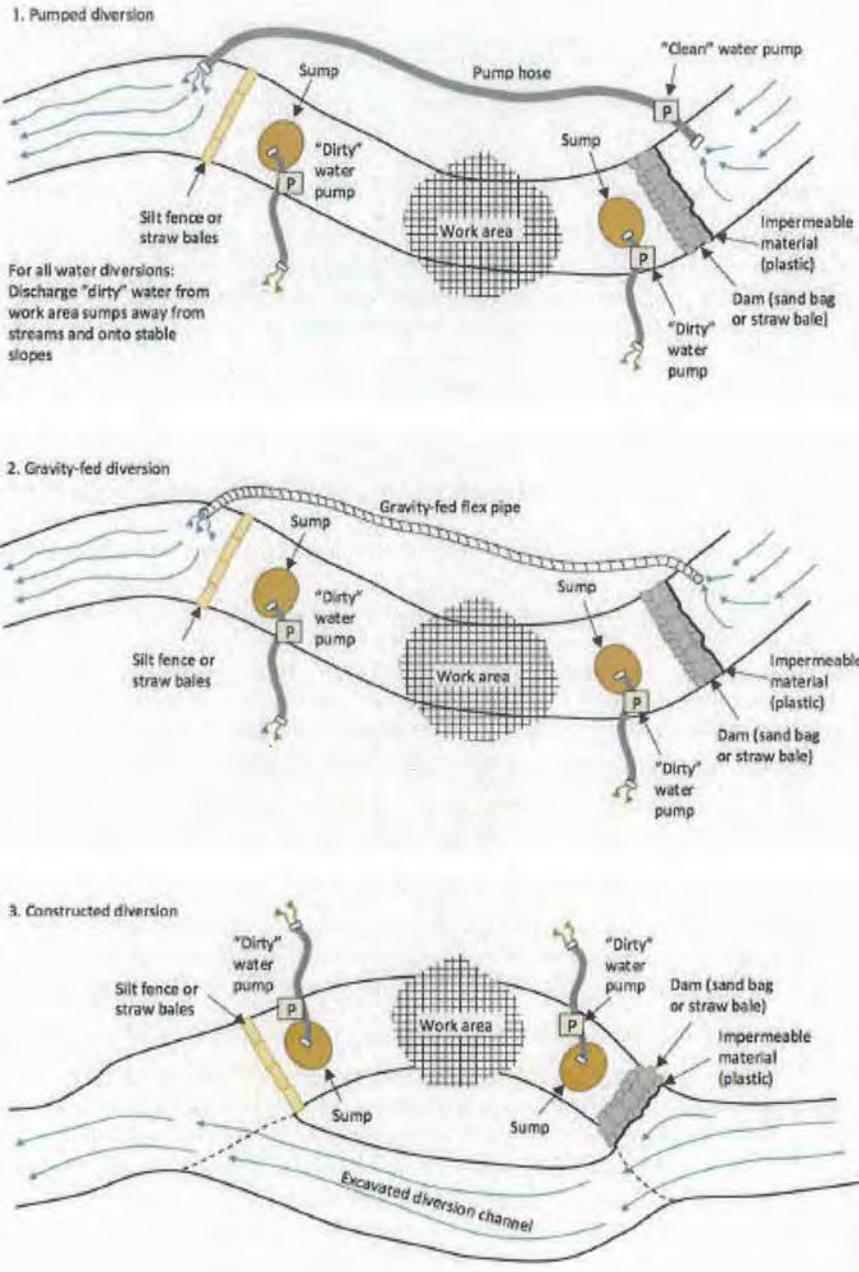


This is the same culvert sizing nomograph (Figure 12) referenced in *Designing Watercourse Crossings for Passage of 100-year Flood Flows, Wood, and Sediment*. The nomograph is used by assuming inlet control and a headwater depth to pipe diameter ratio (HW/D) of 0.67.

Addendum 12A – Erosion Control Measures

1. Timing for soil stabilization measures within the 100 feet of a watercourse or lake: For areas disturbed from May 1 through October 15, treatment shall be completed prior to the start of any rain that causes overland flow across or along the disturbed surface. For areas disturbed from October 16 through April 30, treatment shall be completed prior to any day for which a chance of rain of 30 percent or greater is forecast by the National Weather Service or within 10 days, whichever is earlier.
2. Within 100 feet of a watercourse or lake, the traveled surface of logging roads shall be treated to prevent waterborne transport of sediment and concentration of runoff that results from operations. Treatment may consist of, but not limited to, rocking, out-sloping, rolling dips, cross drains, water bars, slope stabilization measures, or other practices appropriate to site-specific conditions.
3. The treatment for other disturbed areas within 100 feet of a watercourse or lake, including: (A) areas exceeding 100 contiguous square feet where operations have exposed bare soil, (B) road cut banks and fills, and (C) any other area of disturbed soil that threatens to discharge sediment into waters in amounts deleterious to the quality and beneficial uses of water, shall be grass seeded and mulched with straw. Grass seed shall be applied at a rate exceeding 100 pounds per acre. Straw mulch shall be applied in amounts sufficient to provide at least 2- 4-inch depth of straw with minimum 90% coverage. Slash may be substituted for straw mulch provided the depth, texture, and ground contact are equivalent to at least 2 – 4 inches of straw mulch. Any treated area that has been subject to reuse or has less than 90% surface cover shall be treated again prior to the end of operations.
4. Within 100 feet of a watercourse or lake, where the undisturbed natural ground cover cannot effectively protect beneficial uses of water from sediment introduction, the ground shall be treated with slope stabilization measures described in #3 above per timing described in #1 above.
5. Sidecast or fill material extending more than 20 feet in slope distance from the outside edge of a roadbed, which has access to a watercourse or lake, shall be treated with slope stabilization measures described in #3 above. Timing shall occur per #1 above unless outside 100 feet of a watercourse or lake, in which completion date is October 15.
6. All roads shall have drainage and/or drainage collection and storage facilities installed as soon as practical following operations and prior to either (1) the start of any rain which causes overland flow across or along the disturbed surface within 100 feet of a watercourse or lake protection, or (2) any day with a National Weather Service forecast of a chance of rain of 30 percent or more, a flash flood warning, or a flash flood watch.

Addendum 10E – Cofferdam Construction and Use Specifications



Cofferdam Construction and Use Specifications (Conti.)



FIGURE 197. Flex pipe stream diversion around a road construction site. The inlet to this 6 inch diameter flex pipe inlet collects clear streamflow from a retention dam above the project site and gravity feeds it around the project area and back into the natural channel downstream from construction work (see photo).



FIGURE 198. Sand bag retention dam on this small stream was used to pond streamflow so it could be pumped around a culvert installation site. The green intake hose is screened to keep out rocks and debris while the red pump hose extends several hundred feet around the project work area.

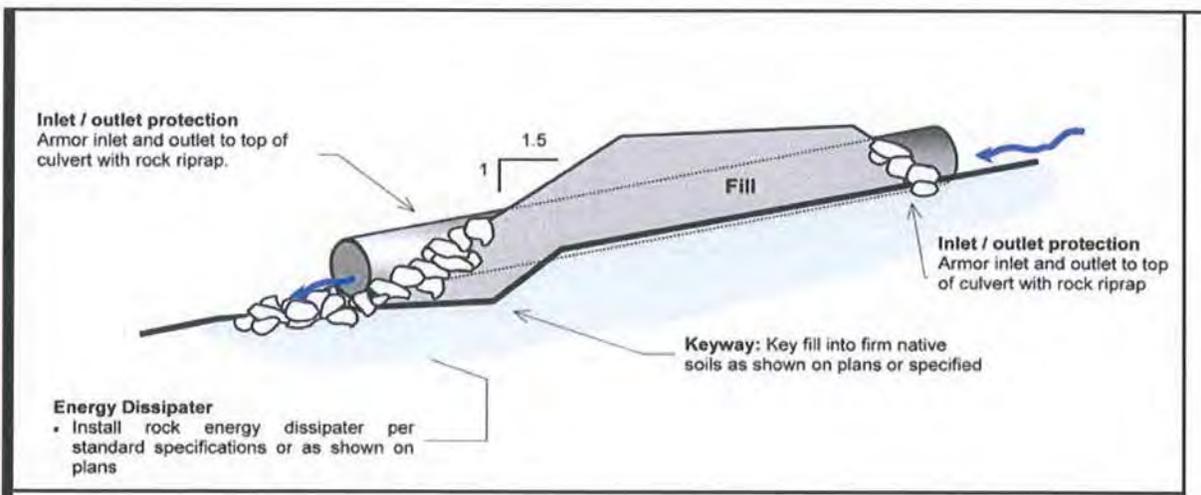
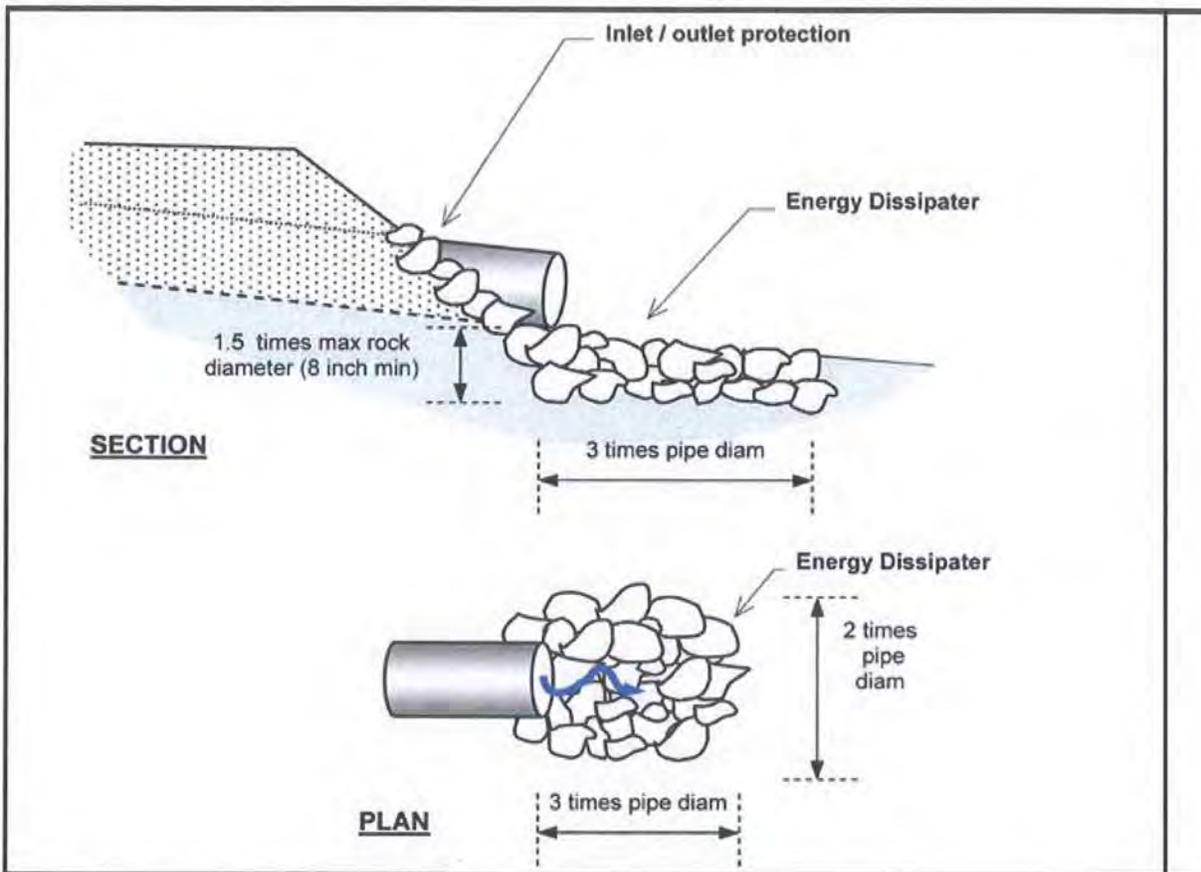


FIGURE 199. For larger streams, pump trucks, large pumps or multiple small pumps can be used to pump streamflow around project work sites. Here, a pump truck is used to temporarily divert flow in a fish bearing stream where dual culverts are being replaced with a railcar bridge. Young fish were removed from this fish bearing stream before project work started.

Culvert Installation Specifications

- New culvert installations shall be sized to accommodate a 100-year storm.
- New culverts shall be placed at stream gradient, or have downspouts, or have energy dissipaters at outfall.
 - Align culverts with the natural stream channel orientation to ensure proper function, prevent bank erosion and minimize debris plugging.
 - Place culverts at the base of the fill and at the grade of the original streambed or install a downspout past the base of the fill. Downspouts should only be installed if there are no other options.
 - Culverts should be set slightly below the original stream grade so that the water drops several inches as it enters the pipe.
 - Culvert beds should be composed of rock-free soil or gravel, evenly distributed under the length of the pipe.
 - Compact the base and sidewall material before placing the pipe in its bed.
 - Lay the pipe on a well-compacted base. Poor basal compaction will cause settling or deflection in the pipe and can result in separation at a coupling or rupture in the pipe wall.
 - Backfill material should be free of rocks, limbs or other debris that could dent or puncture the pipe or allow water to seep around the pipe.
 - Cover one end of the culvert pipe, then the other end. Once the ends are secure, cover the center.
 - Tamp and compact backfill material throughout the entire process, using water as necessary for compaction.
 - Backfill compacting will be done in 0.5 – 1.0 foot lifts until 1/3 of the diameter of the culvert has been covered.
 - Push layers of fill over the crossing to achieve the final design road grade, at a minimum of one-third to one-half the culvert diameter.
- Critical dips shall be installed on culvert crossings to eliminate diversion potential.
- Road approaches to crossings shall be treated out to the first drainage structure (i.e. waterbar) or hydrologic divide to prevent transport of sediment.
- Road surfaces and ditches shall be disconnected from streams and stream crossings to the greatest extent feasible. Ditches and road surfaces that cannot be feasibly disconnected from streams or stream crossings shall be treated to reduce sediment transport to streams.
- If downspouts are used, they shall be secured to the culvert outlet and shall be secure on fill slopes.
- Culverts shall be long enough so that road fill does not extend or slough past the culvert ends.
- Inlet of culverts and associate fill shall be protected with appropriate measures that extend at least as high as the top of the culvert.
- Outlet of culverts shall be armored with rock if road fill sloughing into channel can occur.
- Armor inlets and outlets with rock, or mulch and seed with grass as needed (not all stream crossings need to be armored).
- Where debris loads could endanger the crossing a debris catchment structure shall be constructed upstream of the culvert inlet.
- Bank and channel armoring may occur when appropriate to provide channel and bank stabilization.
- Stabilize the site pursuant to Addendum 12A.

Culvert Installation Specifications

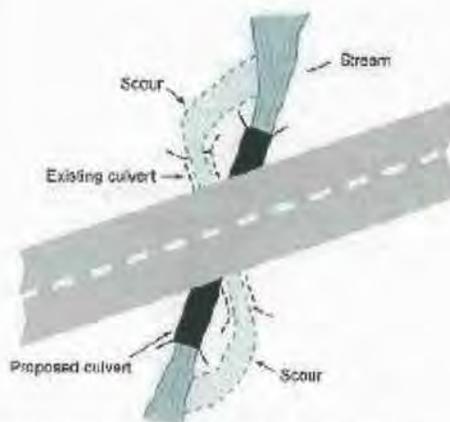


Riprap installed to protect the inlet and outlet of a stream crossing culvert from erosion or for energy dissipation should be keyed into the natural channel bed and banks to an approximate depth of about 1.5x the maximum rock thickness. Riprap should be placed at least up to the top of the culvert at both the inlet and outlet to protect them from splash erosion and to trap any sediment eroded from the newly constructed fill slope above.

Culvert Installation Specifications



Rock armor used for inlet and outlet protection (i.e., not as energy dissipation) does not have to be sized to protect against high velocity scour. If the culvert is properly sized and its length is adequate, it should be able to transmit flood flows without scouring the inlet or eroding the outlet around the culvert. Armor shown here is designed to protect the culvert outlet and basal fill from splash erosion and from occasional submergence and currents within standing water (at the inlet) when the culvert plugs. Importantly, inlet and outlet armor also serves to trap sediment that has been eroded or slides down the new constructed fill face in its first several years, until the slope becomes well vegetated.



HANDBOOK FOR FOREST, RANCH AND RURAL ROADS

FIGURE 97. Culvert alignment should be in relation to the stream and not the road. It is important that the stream enters and leaves the culvert in a relatively straight horizontal alignment so streamflow does not have to turn to enter the inlet or discharge into a bank as it exits. This figure shows a redesigned culvert installation that replaces the bending alignment that previously existed. Channel turns at the inlet increase plugging potential because wood going through the turn will not align with the inlet. Similarly, channel turns at the inlet and outlet are often accompanied by scour against the channel banks (Wisconsin Transportation Information Center, 2004).

Culvert Installation Specifications

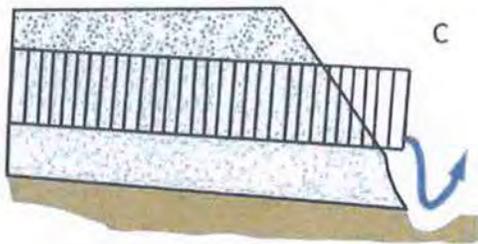


FIGURE 155. Proper culvert installation involves correct culvert orientation, setting the pipe slightly below the bed of the original stream, and backfilling and compacting the fill as it is placed over the culvert. Installing the inlet too low in the stream (A) can lead to culvert plugging, yet if set too high (B) flow can undercut the inlet. If the culvert is placed too high in the fill (C), flow at the outfall will erode the fill. Placed correctly (D), the culvert is set slightly below the original stream grade and protected with armor at the inlet and outlet. Culverts installed in fish-bearing stream channels must be inset into the streambed sufficiently (>25% embedded) to have a natural gravel bottom throughout the culvert (Modified from: MDSL, 1991).

ATTACHMENTS



Applicant Name: Meghan Moody

Project Name: Moody 1600

ATTACHMENT C

Water Diversion/Extraction/Impoundment

Complete this attachment **if** the project is directly related to any diversion, obstruction, extraction, or impoundment of the natural flow of a river, stream, or lake. Provide the number assigned to the State Water Resources Control Board (SWRCB) application, permit, license, registration, statement of diversion, and use, or other authorization to divert, extract, or impound water, if applicable. If you have a current or expired Lake or Streambed Alteration Agreement (Agreement) for some activity related to your project, provide the Agreement number in your project description below and attach this form, with the information requested on one or more separate pages, to the notification form (DFW 2023).

I. Diversion or Obstruction

- A. Attach plans of any diversion or water storage structure or facility that will be constructed or if no structures or facilities will be constructed, photographs of the project site, including any existing facilities or structures.
- B. Please complete the water use table below. For diversion rate, use gallons per day (gpd) if rate is less than 0.025 cubic foot per second (cfs) (approximately 16,000 gpd).

SEASON OF DIVERSION		PURPOSE OF USE	DIVERSION RATE (cfs or gpm)	AMOUNT USED (acre feet)	
BEGINNING DATE (Mo. & Day)	ENDING DATE (Mo. & Day)			FROM STORAGE	BY DIVERSION
POD: Jan 1st	Dec 31st	Domestic use deeded to neighbor & Emergency use on Project	1-4 gpm		0.22
WellA: Jan 1st	Dec 31st	Agriculture	1-5 gpm		NOT A DIVERSION
WellB: Jan 1st	Dec 31st	Agriculture	1-5 gpm		NOT A DIVERSION

- C. Attach a topographic map that is labeled to show the following:
 1. Source of the water
 2. Points of diversion
 3. Areas of use
 4. Storage areas
- D. Specify the maximum instantaneous rate of withdrawal (using proposed equipment) in cubic feet per second (cfs) or gallons per minute (gpm).

1-4 gpm



E. Check each box below that applies to the project water rights and attach supporting documents.

Riparian. *Attach the most recent Statement of Water Diversion and Use filed with the SWRCB.*

Diversion for immediate use.

Diversion to storage (for less than 30 days).

Appropriative.

Pre-1914. *Attach the most recent Statement of Water Diversion and Use filed with SWRCB.*

Post-1914. *Attach a copy of the applicant's water right application, permit, or license filed with or issued by SWRCB.*

Small domestic, livestock stockpond, or small irrigation use registration. *Attach a copy of the applicant's registration of water use form filed with, or registration certificate issued by, SWRCB (See Water Code section 1228 et seq.).*

Diversion for immediate use.

Diversion to storage.

Purchased or contracted water. *Attach a copy of the applicant's contract or letter from the applicant's water provider.*

Other. *Describe below or attach separate page.*

POD: 25% of the Water from the Spring POD is deeded to neighboring parcel ;
Groundwater Wells A & B

F. Approximate lowest level of flow in the river, stream, or lake at the point of diversion during the proposed season of diversion in gpm or cfs:

N/a

G. *Other information.* After the Department reviews the project description, and based on the project's location and potential impacts to fish and wildlife resources, the Department will determine if additional information is needed before accepting the notification as complete. Such information could include more site-specific information to ensure that the terms and conditions in the Agreement issued to the applicant will be adequate to protect the fish and wildlife resources the diversion or obstruction could adversely affect. Site-specific information could include biological or hydrological studies or surveys based on the season of diversion, the location of the diversion relative to other diversions in the watershed, the method of diversion, and the quantity of water to be diverted, such as the following:



1. *Water Availability Analysis* to determine if the water can be diverted without causing substantial adverse effects on downstream fish and wildlife resources. Water availability analyses are based on a comparison of flows without any diversions (unimpaired flows) and flows available when all known diversions are “subtracted” (impaired flows).
2. *Instream Flow Study* to determine the minimum bypass flows needed and maximum rates of withdrawal possible to provide adequate depths and velocities to protect habitat for all life stages of aquatic resources. The study plan must be prepared by a qualified fisheries biologist and approved by the Department, will determine the effects of the proposed diversion on flow depth and velocity.
3. *Water Quality Study* to assess the effects of the proposed water diversion or impoundment on water temperature and water quality at and downstream from the point(s) of diversion.

II. Permanent or Temporary Reservoir

Please provide the information below *if* the project includes the construction of a reservoir, whether permanent or temporary, and/or the filling of an existing reservoir by diverting or obstructing the flow of a river, stream, or lake.

A. Proposed use of the stored water:

B. Construction plans for the reservoir and dam. (*Attach plans*)

C. A complete description of the reservoir and dam, including the methods and materials that will be used to construct the reservoir and dam and the following dimensions certified by a licensed professional: the width, length, depth, and total surface area of the reservoir pool; the volume of water in acre-feet that will be stored in the reservoir; and the height and length of the dam.

D. The amount of riparian land that will be inundated (i.e., upstream from the dam): _____

E. Where vehicles will enter and exit the project site during construction and for maintenance purposes after construction. (*Attach map*)

F. The maximum distance of the disturbance that will occur upstream and downstream during construction:

G. The methods employed to ensure that the flow is maintained below the dam at all times when water is being diverted into the reservoir:



H. Specify the time period when the area below the dam becomes dry, if at all.

I. The methods employed to ensure that adult and juvenile fish will be able to pass over or around the dam:

J. If a fish ladder is necessary to enable adult and juvenile fish to pass over or around the dam, provide construction plans and an operation plan for the fish ladder. *(Enclose, if applicable)*

K. The methods employed to monitor and maintain water quality (including temperature) within the reservoir:

III. Temporary Reservoir

Please provide the information below *if* the project includes the construction of a temporary reservoir only within the stream zone.

A. Date of dam installation: _____

B. Date of dam removal: _____

C. Amount of time it will take to construct the dam: _____

D. Amount of time it will take to remove the dam: _____

E. Methods to ensure that the reservoir pool will be drained in a manner that does not strand or otherwise harm fish:



Applicant Name: Meghan Moody

Project Name: Moody 1600

ATTACHMENT E

Cannabis Cultivation

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

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 ORDINANCE OR PERMIT – 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?		
<input type="checkbox"/> Yes: Town/City	<input checked="" type="checkbox"/> Yes: County	<input type="checkbox"/> 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?		
<input checked="" type="checkbox"/> Yes. <i>Enclose written authorization and/or completed application(s).</i>	<input type="checkbox"/> 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?	
<input type="checkbox"/> Yes <i>Enclose the property diagram required by CDFA (Cal. Code Regs., tit. 3, § 8105).</i>	<input checked="" type="checkbox"/> No <i>If “no” is checked, enclose a brief description explaining why the property diagram is not enclosed.</i>



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

Provide information regarding any 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

Type of CDFA License you have or will apply for :

Specialty Cottage:

- Specialty Cottage Outdoor
- Specialty Cottage Indoor
- Specialty Cottage Mixed-Light Tier 1
- Specialty Cottage Mixed-Light Tier 2

Specialty:

- Specialty Outdoor
- Specialty Indoor
- Specialty Mixed-Light Tier 1
- Specialty Mixed-Light Tier 2

Small:

- Small Outdoor
- Small Indoor
- Small Mixed-Light Tier 1
- Small Mixed-Light Tier 2

Medium:

- Medium Outdoor
- Medium Indoor
- Medium Mixed-Light Tier 1
- Medium Mixed-Light Tier 2

Nursery

Processor

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

CDFA Temporary License # (if applicable): TAL18-0008053



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 coordinates, 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: <i>See Addendum 8M</i>	Longitude: <i>See Addendum 8M</i>
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Spring(s)

Yes No

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

Number of Springs _____

Provide geographic coordinates for **each** spring:

Latitude: <i>See Addendum 8M</i>	Longitude: <i>See Addendum 8M</i>
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Private Well(s)

Yes No

Provide geographic coordinates for **each** well:

Latitude: <i>See Addendum 8M</i>	Longitude: <i>See Addendum 8M</i>
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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: _____

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?		
<input checked="" type="checkbox"/> Yes (<i>Provide the information below</i>) <input type="checkbox"/> No		
Name of Company	Name of Professional or Consultant/Biologist	Business Telephone
Timberland Resource Consultants	Chris Carrol	707-725-1897

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: <ul style="list-style-type: none"> • 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?	
<input type="checkbox"/> Yes (<i>Enclose a copy of the order or notice</i>) <input checked="" type="checkbox"/> No	
Did you receive a notice of violation (NOV) from CDFW that relates to the remediation work described in this notification?	
<input type="checkbox"/> Yes (<i>Enclose a copy of the NOV</i>) <input checked="" type="checkbox"/> No	
B. Remediation Area. What is the amount of area requiring remediation?	
Remediation area in total:	<u>1,325</u> square feet
C. Remediation Plan. Has a plan to remediate the area been prepared?	
<input checked="" type="checkbox"/> Yes (<i>Enclose the plan</i>) <input type="checkbox"/> No	
<p>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.</p>	

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR

Page 1 of 2

Owner's Well Number 1

Date Work Began 08/29/2014 Date Work Ended 9/2/2014

Local Permit Agency Humboldt County E.H.D.

Permit Number 13/14-0340 Permit Date 5/14/14

State of California
Well Completion Report

Refer to Instruction Pamphlet
No. **e0231717**

DWR Use Only - Do Not Fill In

State Well Number/Site Number	
Latitude	Longitude
APN/TRS/Other	

Geologic Log		
Orientation <input checked="" type="radio"/> Vertical <input type="radio"/> Horizontal <input type="radio"/> Angle Specify _____		
Drilling Method <u>Direct Rotary</u> Drilling Fluid <u>Air</u>		
Depth from Surface		Description
Feet	to Feet	Describe material, grain size, color, etc.
0	4	Top Soil
4	18	Brown Sandstone
18	43	Weathered Brown Sandstone43
43	82	Shale/Sandstone Mix
82	134	Blue/Brown Sandstone
134	260	Hard Shale/Sandstone Mix
Total Depth of Boring <u>260</u> Feet		
Total Depth of Completed Well <u>260</u> Feet		

Well Owner

Name Samuel Deyton

Mailing Address P.O. Box 2751

City McKinleyville State CA Zip 95519

Well Location

Address #42 Timberline Ranch Rd.

City Mad River County Humboldt

Latitude _____ N Longitude _____ W

Datum _____ Dec. Lat. _____ Dec. Long. _____

APN Book 208 Page 221 Parcel 08

Township _____ Range _____ Section _____

Location Sketch
(Sketch must be drawn by hand after form is printed.)

North

West

East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

New Well
 Modification/Repair
 Deepen
 Other
 Destroy

Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

Water Supply
 Domestic Public
 Irrigation Industrial

Cathodic Protection
 Dewatering
 Heat Exchange
 Injection
 Monitoring
 Remediation
 Sparging
 Test Well
 Vapor Extraction
 Other

Water Level and Yield of Completed Well

Depth to first water 115 (Feet below surface)

Depth to Static _____

Water Level 105 (Feet) Date Measured 08/29/2014

Estimated Yield * 5 (GPM) Test Type Air Lift

Test Length 4.0 (Hours) Total Drawdown 249 (Feet)

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

Casings								Annular Material				
Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type	Slot Size	Depth from Surface	Fill	Description		
Feet to Feet	(Inches)			(Inches)	(Inches)		(Inches)	Feet to Feet				
0	100	10	Blank	PVC Sch. 80	CL200	5		0	20	Bentonite	Sanitary Seal	
100	260	10	Screen	PVC Sch. 80	CL200	5	Milled Slots	0.032	20	260	Filter Pack	3/8" Pea Gravel

Attachments

Geologic Log
 Well Construction Diagram
 Geophysical Log(s)
 Soil/Water Chemical Analyses
 Other Location Map

Attach additional information, if it exists.

Certification Statement

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

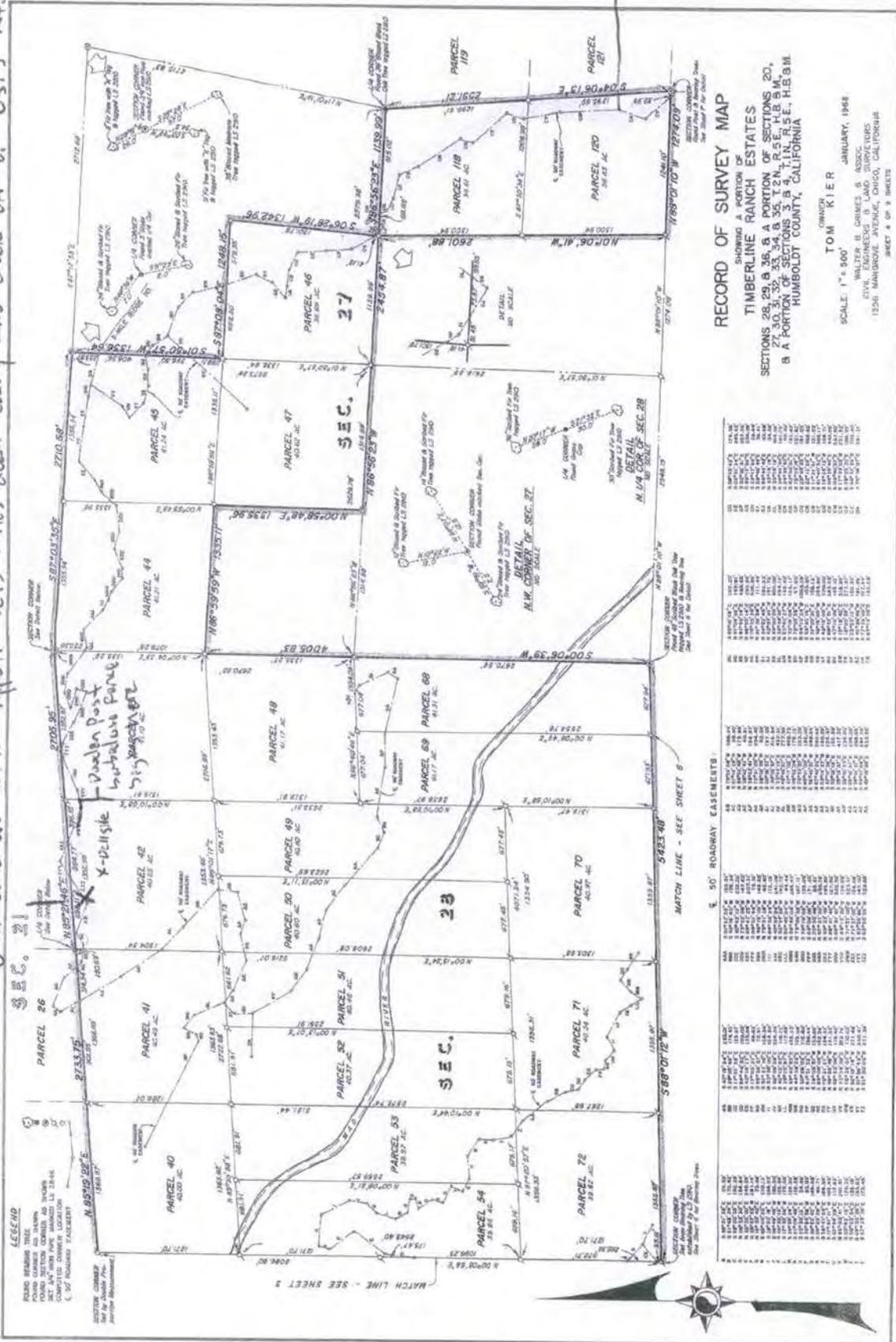
Name FISCH DRILLING
Person, Firm or Corporation

3150 JOHNSON ROAD HYDESVILLE CA 95547
Address City State Zip

Signed [Signature] 09/10/2014 683865
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

Green Creek on Left. Approx. 12.5 miles down county line creek off of USFS Rt. 1

Access Road:
County Line Creek rd



RECORD OF SURVEY MAP
SHOWING A PORTION OF
TIMBERLINE RANCH ESTATES
SECTIONS 23, 27, 28, & A PORTION OF SECTIONS 20,
27, 30, 31, 32, 33, 34, & 35, T. 2 N., R. 5 E., H. 8 M.,
& A PORTION OF SECTIONS 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, T. 1 N., R. 5 E., H. 8 M.
HUMBOLDT COUNTY, CALIFORNIA

CREATED
TOM KIER
SCALE: 1" = 500'
JANUARY, 1968
WALTER B. CHAMBERS & ASSOC.
CIVIL ENGINEERS & LAND SURVEYORS
1250 MANHATTAN AVENUE, CHICO, CALIFORNIA
SHEET # OF 9 SHEETS

Driving Directions: From Hwy 36 East bound, past town of Mad River, CA
- Turn Left onto USFS Rt. 1
- Go 1/4 mile, turn Left onto County Line Creek rd. (Just past fire station)
- Go 12 miles, staying to the Left at any forks in road.
- After seeing "Please Drive Slow We Have Pats" sign stay to the Right at next fork/split in road.
- Continue up hill, stay Left at next fork/split in road. - You will see a wooden post and barbed wire fence begin. Follow fence line to Gate. Gate is Green w/ yellow "No Trespass"

Gate Code:
1432

State of California
Well Completion Report
 Form DWR 188 Submitted 11/1/2017
 WCR2017-004911

Owner's Well Number 1 Date Work Began 10/10/2017 Date Work Ended 10/13/2017
 Local Permit Agency Humboldt County Department of Health & Human Services - Land Use Program
 Secondary Permit Agency _____ Permit Number 16/17-0196 Permit Date 09/19/2016

Well Owner (must remain confidential pursuant to Water Code 13752)		Planned Use and Activity	
Name	_____	Activity	<u>New Well</u>
Mailing	_____	Planned Use	<u>Water Supply Domestic</u>
City	_____ State <u>CA</u>		

Well Location			
Address _____		APN <u>208-221-016</u>	
City <u>Mad River</u>	Zip <u>95552</u>	County <u>Humboldt</u>	Township _____
Latitude _____ N	Longitude _____ W	Range _____	Section _____
Deg. Min. Sec.	Deg. Min. Sec.	Baseline Meridian _____	Ground Surface Elevation _____
Dec. Lat. _____	Dec. Long. _____	Elevation Accuracy _____	Elevation Determination Method _____
Vertical Datum _____	Horizontal Datum <u>WGS84</u>		
Location Accuracy _____	Location Determination Method _____		

Borehole Information	
Orientation <u>Vertical</u>	Specify _____
Drilling Method <u>Other - Casing Advance</u>	Drilling Fluid <u>Air</u>
Total Depth of Boring <u>180</u>	Feet
Total Depth of Completed Well <u>180</u>	Feet

Water Level and Yield of Completed Well	
Depth to first water <u>65</u>	(Feet below surface)
Depth to Static _____	
Water Level <u>70</u> (Feet)	Date Measured <u>10/13/2017</u>
Estimated Yield* <u>30</u> (GPM)	Test Type <u>Air Lift</u>
Test Length <u>4</u> (Hours)	Total Drawdown _____ (feet)
*May not be representative of a well's long term yield.	

Geologic Log - Free Form		
Depth from Surface	Feet to Feet	Description
0	20	Brown Clay
20	65	Brown Sandstone with Clay
65	180	Brown Sandstone

RECEIVED

NOV 13 2017

HUMBOLDT CO. DIVISION
OF ENVIRONMENTAL HEALTH

ENTERED
11-13-17



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

California Department of Food and Agriculture
1220 N Street
Sacramento, CA 95814



TEMPORARY CANNABIS CULTIVATION LICENSE

Legal Business Name:

Mad River Family Farms

Premises APN:

Humboldt County - 208221008

Premises Address:

8 W River Road, Mad River, CA 95552, Humboldt
County
Unincorporated, CA 95552

Valid:

11/30/2018 to 3/30/2019

License Number:

TAL18-0008053

License Type:

Temporary-Small Mixed-Light Tier 1

---- NON-TRANSFERABLE ----

---- POST IN PUBLIC VIEW ----



HUMBOLDT COUNTY
PLANNING AND BUILDING DEPARTMENT
3015 H STREET, EUREKA, CA 95501 - PHONE (707) 445-7245

ZONING CLEARANCE CERTIFICATE FOR INTERIM PERMIT

Project: Pursuant to the Humboldt County Commercial Medical Marijuana Land Use Ordinance (CMMLUO), Section 314-55.4.1 et seq., specifically Section 314-55.4.8.11, a Zoning Clearance Certificate for an Interim Permit may be issued for an Existing Cannabis Cultivation and ancillary activities. An application has been submitted for the location and cultivation area shown below.

Project Location:

10,760 square feet of existing outdoor cultivation.

Present General Plan Designation: RA40 **Present Zoning:** FR-B-5(40)

Application Number: 11730

Key Parcel Number: 208-221-008-000



APPLICANT

Mad River Family Farms LLC
Meghan Moody
PO Box 4312
Arcata CA 95518

OWNER

Mad River Family Farms LLC
Po Box 4312
Arcata CA 95518

AGENT

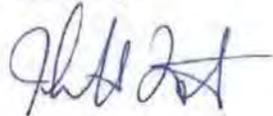
Pursuant to Humboldt County Code Section 314-55.4.8.11 a Zoning Clearance Certificate shall be approved for an Interim Permit when it is demonstrated that:

1. A permit application for existing commercial cannabis cultivation and ancillary activities was submitted and determined to be complete.
2. Adequate evidence has been submitted demonstrating that a cultivation site existed on the parcel prior to January 1, 2016 and the Department independently reviewed the evidence of prior cultivation and determined the size of pre-existing cultivation area based upon aerial and satellite imagery, or other substantial evidence.
3. Approval of the Interim Permit is conditional and shall occur through issuance of the Zoning Clearance Certificate subject to a Compliance Agreement. The Compliance Agreement specifies restrictions, penalties, and commitments to complete the permit process and confines continued operations to the existing areas only.
4. Violation of the Compliance Agreement shall be grounds for permit cancellation and disqualification of the property from future permitting.
5. The interim permit authorizes the permittee to seek state licensure and continue operations until completion of the local permit review process and issuance or denial of a County permit, or December 31, 2018, whichever occurs first. The Director may extend this deadline for cause. Refusal of the Director to issue or extend an interim permit shall not entitle the applicant to a hearing or appeal of the decision. Additionally, approval of any interim permit does not obligate the County to approve a non-interim permit or extension of the interim permit. Permit cancellation and disqualification of the property from future permitting shall be decided by the Zoning Administrator or the Planning Commission at a noticed public hearing. Those decisions may be appealed to the Board of Supervisors pursuant to the appeal procedures outlined under Section 312-13 of these regulations.

Determination

It is the Determination of the Planning Director that all provisions of the ordinance allowing issuance of an Interim Permit have been satisfied and a Zoning Clearance Certificate is approved subject to the requirements contained in the attached Compliance Agreement (Exhibit A.)

Issued By:



John H. Ford
Director, Planning and Building Department

COMPLIANCE WITH APPLICABLE STATE AND LOCAL SUBDIVISION LAWS, REGULATIONS, AND REQUIREMENTS HAS NOT BEEN REVIEWED AS PART OF THIS CERTIFICATE. ISSUANCE OF THIS ZONING CLEARANCE CERTIFICATE FOR AN INTERIM PERMIT DOES NOT CONSTITUTE CONFIRMATION OF LEGAL PARCEL STATUS.

THIS INTERIM PERMIT IS ONLY VALID IF IT IS ACCOMPANIED BY A SIGNED AND NOTARIZED EXHIBIT A COMPLIANCE AGREEMENT THAT IS CONFIRMED TO BE ON FILE AT THE COUNTY OF HUMBOLDT PLANNING AND BUILDING DEPARTMENT.

EXHIBIT A

CANNABIS COMPLIANCE AGREEMENT FOR A ZONING CLEARANCE CERTIFICATE FOR INTERIM PERMIT

This Agreement is entered into by and between the County of Humboldt, through its Planning and Building Department, ("County"), and the "Applicant" and "Owner" listed in the Zoning Clearance Certificate for Interim Permit, regarding property represented by the parcel number(s) listed in the Zoning Clearance Certificate for Interim Permit.

RECITALS

WHEREAS, on November 14, 2017, the Board of Supervisors of Humboldt County amended Humboldt County Code ("HCC") Section 314-55.4.8 to add sub-section 314-55.4.8.11 to allow issuance of Zoning Clearance Certificates for Interim Permits to eligible applicants whose application was deemed complete for processing on or before July 14, 2017; and

WHEREAS, on February 27, 2018, the Board of Supervisors of Humboldt County amended HCC Section 314-55.4.8.11 to allow issuance of Zoning Clearance Certificates for Interim Permits to eligible applicants whose application was filed prior to January 1, 2017 and deemed complete for processing pursuant to HCC Sections 312-2.3.3 or 312-6.1.2, thereby removing the requirement that the application have been deemed complete for processing before July 14, 2017; and

WHEREAS, an eligible applicant is a person, pursuant to HCC 314-55.4.7, who submitted an application for existing commercial cannabis cultivation activities, provided adequate evidence demonstrating that a commercial cannabis cultivation site existed on the real property described in the attached Zoning Clearance Certificate For Interim Permit prior to January 1, 2016; and

WHEREAS, existing commercial cultivation activities pursuant to HCC Section 314-55.4.8.2.2 include outdoor or mixed-light commercial cannabis cultivation in existence prior to January 1, 2016 in zoning districts AE (no parcel size limitation), RA (on parcels of five acres or larger), and AG, FP, DF, FR, U, and TPZ (on parcels of one acre or larger); and

WHEREAS the Applicant and Owner filed an "Application" for a Zoning Clearance Certificate, Special Permit and/or a Use Permit pursuant HCC Sections 312-2.2 and 312-5.2.1 for existing commercial medical cannabis cultivation; and

WHEREAS, the County has reviewed the evidence provided with the Application, and has determined existing commercial cultivation activities on the real property represented by the parcel number(s) listed in the attached Zoning Clearance Certificate for Interim Permit consisting of outdoor and/or mixed light commercial cultivation, hereafter Existing Commercial Cannabis Cultivation ("ECCC"); and

WHEREAS, the County is utilizing this Compliance Agreement ("Agreement") to allow the Applicant and Owner to complete the remainder of the permit process in a timely manner and continue operation of the ECCC while applying for a license from the State of California to cultivate cannabis; and

WHEREAS, pursuant to the authority provided in HCC Section 314-55.4.8.11, County will issue the Zoning Clearance Certificate for an Interim Permit on the real property for the ECCC and, in exchange, Applicant and Owner will in good faith complete the Application on or before December 31, 2018; and

WHEREAS, the Zoning Clearance Certificate for an Interim Permit authorizes the Applicant to seek State licensure and continue operations of the ECCC until the completion of the process for the Zoning Clearance Certificate, Special Permit, or Use Permit, or denial of the certificate or permit, or December 31, 2018, whichever occurs first; and

NOW, THEREFORE, in consideration of the faithful performance of the terms, conditions, and promises set forth in this Agreement, the Parties agree as follows:

1. Subdivision Map Act and Humboldt County Subdivision Regulations. The Applicant and Owner acknowledge this Zoning Clearance Certificate for an Interim Permit is issued without a legal determination having been made as to the number, size, shape of, or legal status of the parcel(s) that may be encompassed within the real property represented by the parcel number(s) listed in the Zoning Clearance Certificate for Interim Permit. Furthermore, the Applicant and Owner hereby acknowledge issuance of this Zoning Clearance Certificate for an Interim Permit is not an approval for development and does not entitle the Applicant, Owner, or their Successors in Interest to a conditional or unconditional certificate of subdivision compliance pursuant to Government Code Sections 66499.34 or 66499.35(c), or any other law or regulation.
2. Development Suitability. The Property Owner and Applicant hereby acknowledge the issuance of this Zoning Clearance Certificate for an Interim Permit is for existing cannabis cultivation purposes only, and does not authorize or grant any approval for development or improvement of the property. The real property subject to this Zoning Clearance Certificate for an Interim Permit has not been evaluated for suitability for development in accordance with existing or future regulations.
3. Taxation. The Property Owner and Applicant hereby acknowledge upon the date of issuance of this Zoning Clearance Certificate for an Interim Permit allowing outdoor and/or mixed light of ECCC shall be subject to taxation pursuant Humboldt County Code Sections 719.1 – 719.15.
4. Track and Trace. The Applicant and Owner shall participate in the Medical Cannabis Track and Trace Program administered by the Humboldt County Agricultural Commissioner.

5. Violations. The Applicant and Owner hereby acknowledge that the Zoning Clearance Certificate for an Interim Permit does not allow or authorize expansion or relocation of the ECCC area, either in part or in its entirety. The Applicant and Owner hereby acknowledge and understand that, notwithstanding Interim Permit page 2, number 6, expansion or relocation of the ECCC area is in violation of this Agreement and shall result in the revocation of the Zoning Clearance Certificate for an Interim Permit by the Director. The Director's decision to revoke the Zoning Clearance Certificate for an Interim Permit is not subject to appeal. In addition to the revocation of this Zoning Clearance Certificate for an Interim Permit, the revocation action will include the denial or withdrawal of the Zoning Clearance Certificate, Special Permit or Conditional Use Permit application for the existing cultivation without a noticed public hearing.
6. Additional Information. The County reserves the right to request that the Applicant and Owner submit additional information as needed to find the Application in conformance with the Humboldt County Zoning Regulations and, if applicable, the terms and conditions of any previously approved development permit, variance, or subdivision [Reference HCC Sections 312-2.4.1, 312-17.1, and 312-17.3].
7. Issuance of Permit. The Parties agree that the County's issuance of the Zoning Clearance Certificate for an Interim Permit referenced herein is conditioned on and made in reliance of the representations made by Owner and Applicant in this Agreement. . The Parties acknowledge that the issuance of the Zoning Clearance Certificate for an Interim Permit does not assure or guarantee that a Zoning Clearance Certificate, Special Permit, or Use Permit will be subsequently approved or issued. The Parties acknowledge that the Zoning Clearance Certificate, Special Permit, or Use Permit may be subject to additional conditions and mitigations to comply with the HCC, specifically HCC Section 314-61.1, the Commercial Medical Marijuana Land Use Ordinance (as amended), the California Environmental Quality Act (CEQA), and any other applicable codes, laws, or regulations. The Parties acknowledge the issuance of the Zoning Clearance Certificate for Interim Permit is in no way intended to limit or restrict the application of these laws and regulations.
8. Consent to Inspection. Owner and Applicant consent to all inspections of the property as needed, at any time during business hours Monday through Friday, while this Agreement is in effect, by the Division of Environmental Health or Planning and Building Department, and any other agencies or departments that may need to inspect the property to determine that the terms of this Agreement are being fulfilled.
9. Time Limit to Complete the Application. The Parties agree that the Applicant will complete the Application at the earliest feasible date, but in no event later than December 31, 2018. The time to complete the Application may only be extended by the Director or Planning and Building for cause beyond the control of the applicant upon the written request by Owner/Applicant.

Waiver. The failure of the County to proceed against the Applicant and/or Property Owners in an enforcement action, whether administrative, civil or criminal, for any violation of the applicable ordinance, this Agreement and/or state or local law or regulation shall not constitute or be deemed a waiver of the County's right to proceed against Owner and/or Applicant for any subsequent violation. Nothing in this Agreement shall limit in any manner the authority of the County to apply and/or enforce any provisions of the County's code or state law or regulation to the Owner and Applicant and activities occurring on the property.

10. Notices. All notices required by this Agreement shall be sent, at a minimum, via first class United States Mail with postage prepared to the Parties as follows:

To County:

Director, Planning and Building Department
3015 H Street
Eureka, CA 95501

To Property Owners:

As listed in County of Humboldt property tax records.

To Applicant:

As listed on Zoning Clearance Certificate for Interim Permit.

Notices shall be deemed served upon deposit in the United States mail. The Owner and Applicant shall notify the County in writing of any changes in address.

11. Indemnification. Owner and Applicant shall hold harmless, defend and indemnify County and its agents, officers, officials, employees and volunteers from and against any and all claims, demands, losses, damages, liabilities, expenses and costs of any kind or nature, including, without limitation, attorney fees or other costs of litigation, arising out of, or in connection with, the issuance of a Zoning Clearance Certificate for an Interim Permit for the subject property, the terms of the Zoning Clearance Certificate for an Interim Permit, or the terms of this Agreement.
12. Binding on Successors. This Agreement is binding on the heirs, successors and assigns of the Parties. In the event of a permit transfer, a new compliance agreement must be executed. In the event of property transfer, the Seller and Applicant have an affirmative duty to inform the Buyer of this Compliance Agreement. Seller and Applicant must also provide written proof of Buyer notification to the County.
13. Amendment. This Agreement may be amended, modified or changed by the Parties provided that said amendment, modification or change is in writing and approved by all Parties.

14. Severability. If any provision of this Agreement, or any portion thereof, is found by any court of competent jurisdiction to be unenforceable or invalid for any reason, such provision shall be severable and shall not in any way impair the enforceability of any other provision of this Agreement.
15. Jurisdiction and Venue. This Agreement shall be construed in accordance with the laws of the State of California. Any dispute arising hereunder, or relating hereto, shall be litigated in the State of California and venue shall lie in the County of Humboldt unless transferred by court order pursuant to California Code of Civil Procedure Sections 394 or 395.

This Agreement is entered into between the Parties as of the date the Compliance Agreement is stamped as received.

TWO SIGNATURES ARE REQUIRED FOR CORPORATIONS:
(1) CHAIRPERSON OF THE BOARD, PRESIDENT, OR VICE PRESIDENT; AND
(2) SECRETARY, ASSISTANT SECRETARY, CHIEF FINANCIAL OFFICER OR TREASURER.

County

A handwritten signature in blue ink, appearing to read "John H. Ford".

John H. Ford, Director
Planning and Building Department
County of Humboldt

IF SIGNING ON BEHALF OF A CORPORATION, PROVIDE TITLE / CAPACITY



Property Owner(s)

Meghan Moody
Sign above. Print name here:

Owner Mad River Family Farms
Capacity / Title:

Sign above. Print name here:

Capacity / Title:

Applicant(s) (IF DIFFERENT FROM PROPERTY OWNERS)

Sign above. Print name here:

Capacity / Title:

Sign above. Print name here:

Capacity / Title:

Attach Separate Notary Acknowledgements

CERTIFICATE OF ACKNOWLEDGMENT

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

STATE OF CALIFORNIA }
COUNTY OF HUMBOLDT }

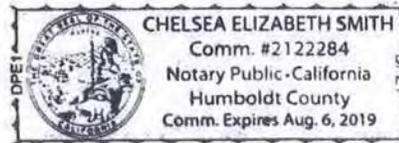
On this 28 day of August, 2018, before me, Chelsea Elizabeth Smith Notary

Public, personally appeared Meghan Moody who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

Witness my hand and official seal.

[Signature] (seal)
Signature



CERTIFICATE OF ACKNOWLEDGMENT

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

STATE OF CALIFORNIA }
COUNTY OF HUMBOLDT }

On this _____ day of _____, 20____, before me, _____ Notary

Public, personally appeared _____ who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

Witness my hand and official seal.

Signature



ZONING CLEARANCE CERTIFICATE FOR INTERIM PERMIT

Project: Pursuant to the Humboldt County Commercial Medical Marijuana Land Use Ordinance (CMMLUO), Section 314-55.4.1 et seq., specifically Section 314-55.4.8.11, a Zoning Clearance Certificate for an Interim Permit may be issued for an Existing Cannabis Cultivation and ancillary activities. An application has been submitted for the location and cultivation area shown below.

Project Location:

6,816 square feet of existing outdoor cultivation.

Present General Plan Designation: RA40 **Present Zoning:** FR-B-5(40)

Application Number: 11727

Key Parcel Number: 208-221-015-000

APPLICANT

Mad River Family Farms LLC
Meghan Moody
PO Box 4312
Arcata CA 95518

OWNER

Moody Meghan
Po Box 4312
Arcata CA 95518

AGENT

Pursuant to Humboldt County Code Section 314-55.4.8.11 a Zoning Clearance Certificate shall be approved for an Interim Permit when it is demonstrated that:

1. A permit application for existing commercial cannabis cultivation and ancillary activities was submitted and determined to be complete.
2. Adequate evidence has been submitted demonstrating that a cultivation site existed on the parcel prior to January 1, 2016 and the Department independently reviewed the evidence of prior cultivation and determined the size of pre-existing cultivation area based upon aerial and satellite imagery, or other substantial evidence.
3. Approval of the Interim Permit is conditional and shall occur through issuance of the Zoning Clearance Certificate subject to a Compliance Agreement. The Compliance Agreement specifies restrictions, penalties, and commitments to complete the permit process and confines continued operations to the existing areas only.
4. Violation of the Compliance Agreement shall be grounds for permit cancellation and disqualification of the property from future permitting.
5. The interim permit authorizes the permittee to seek state licensure and continue operations until completion of the local permit review process and issuance or denial of a County permit, or December 31, 2018, whichever occurs first. The Director may extend this deadline for cause. Refusal of the Director to issue or extend an interim permit shall not entitle the applicant to a hearing or appeal of the decision. Additionally, approval of any interim permit does not obligate the County to approve a non-interim permit or extension of the interim permit. Permit cancellation and disqualification of the property from future permitting shall be decided by the Zoning Administrator or the Planning Commission at a noticed public hearing. Those decisions may be appealed to the Board of Supervisors pursuant to the appeal procedures outlined under Section 312-13 of these regulations.

Determination

It is the Determination of the Planning Director that all provisions of the ordinance allowing issuance of an Interim Permit have been satisfied and a Zoning Clearance Certificate is approved subject to the requirements contained in the attached Compliance Agreement (Exhibit A.)

Issued By:



John H. Ford
Director, Planning and Building Department

COMPLIANCE WITH APPLICABLE STATE AND LOCAL SUBDIVISION LAWS, REGULATIONS, AND REQUIREMENTS HAS NOT BEEN REVIEWED AS PART OF THIS CERTIFICATE. ISSUANCE OF THIS ZONING CLEARANCE CERTIFICATE FOR AN INTERIM PERMIT DOES NOT CONSTITUTE CONFIRMATION OF LEGAL PARCEL STATUS.

THIS INTERIM PERMIT IS ONLY VALID IF IT IS ACCOMPANIED BY A SIGNED AND NOTARIZED EXHIBIT A COMPLIANCE AGREEMENT THAT IS CONFIRMED TO BE ON FILE AT THE COUNTY OF HUMBOLDT PLANNING AND BUILDING DEPARTMENT.

EXHIBIT A

CANNABIS COMPLIANCE AGREEMENT FOR A ZONING CLEARANCE CERTIFICATE FOR INTERIM PERMIT

This Agreement is entered into by and between the County of Humboldt, through its Planning and Building Department, ("County"), and the "Applicant" and "Owner" listed in the Zoning Clearance Certificate for Interim Permit, regarding property represented by the parcel number(s) listed in the Zoning Clearance Certificate for Interim Permit.

RECITALS

WHEREAS, on November 14, 2017, the Board of Supervisors of Humboldt County amended Humboldt County Code ("HCC") Section 314-55.4.8 to add sub-section 314-55.4.8.11 to allow issuance of Zoning Clearance Certificates for Interim Permits to eligible applicants whose application was deemed complete for processing on or before July 14, 2017; and

WHEREAS, on February 27, 2018, the Board of Supervisors of Humboldt County amended HCC Section 314-55.4.8.11 to allow issuance of Zoning Clearance Certificates for Interim Permits to eligible applicants whose application was filed prior to January 1, 2017 and deemed complete for processing pursuant to HCC Sections 312-2.3.3 or 312-6.1.2, thereby removing the requirement that the application have been deemed complete for processing before July 14, 2017; and

WHEREAS, an eligible applicant is a person, pursuant to HCC 314-55.4.7, who submitted an application for existing commercial cannabis cultivation activities, provided adequate evidence demonstrating that a commercial cannabis cultivation site existed on the real property described in the attached Zoning Clearance Certificate For Interim Permit prior to January 1, 2016; and

WHEREAS, existing commercial cultivation activities pursuant to HCC Section 314-55.4.8.2.2 include outdoor or mixed-light commercial cannabis cultivation in existence prior to January 1, 2016 in zoning districts AE (no parcel size limitation), RA (on parcels of five acres or larger), and AG, FP, DF, FR, U, and TPZ (on parcels of one acre or larger); and

WHEREAS the Applicant and Owner filed an "Application" for a Zoning Clearance Certificate, Special Permit and/or a Use Permit pursuant HCC Sections 312-2.2 and 312-5.2.1 for existing commercial medical cannabis cultivation; and

WHEREAS, the County has reviewed the evidence provided with the Application, and has determined existing commercial cultivation activities on the real property represented by the parcel number(s) listed in the attached Zoning Clearance Certificate for Interim Permit consisting of outdoor and/or mixed light commercial cultivation, hereafter Existing Commercial Cannabis Cultivation ("ECCC"); and

WHEREAS, the County is utilizing this Compliance Agreement ("Agreement") to allow the Applicant and Owner to complete the remainder of the permit process in a timely manner and continue operation of the ECCC while applying for a license from the State of California to cultivate cannabis; and

WHEREAS, pursuant to the authority provided in HCC Section 314-55.4.8.11, County will issue the Zoning Clearance Certificate for an Interim Permit on the real property for the ECCC and, in exchange, Applicant and Owner will in good faith complete the Application on or before December 31, 2018; and

WHEREAS, the Zoning Clearance Certificate for an Interim Permit authorizes the Applicant to seek State licensure and continue operations of the ECCC until the completion of the process for the Zoning Clearance Certificate, Special Permit, or Use Permit, or denial of the certificate or permit, or December 31, 2018, whichever occurs first; and

NOW, THEREFORE, in consideration of the faithful performance of the terms, conditions, and promises set forth in this Agreement, the Parties agree as follows:

1. Subdivision Map Act and Humboldt County Subdivision Regulations. The Applicant and Owner acknowledge this Zoning Clearance Certificate for an Interim Permit is issued without a legal determination having been made as to the number, size, shape of, or legal status of the parcel(s) that may be encompassed within the real property represented by the parcel number(s) listed in the Zoning Clearance Certificate for Interim Permit. Furthermore, the Applicant and Owner hereby acknowledge issuance of this Zoning Clearance Certificate for an Interim Permit is not an approval for development and does not entitle the Applicant, Owner, or their Successors in Interest to a conditional or unconditional certificate of subdivision compliance pursuant to Government Code Sections 66499.34 or 66499.35(c), or any other law or regulation.
2. Development Suitability. The Property Owner and Applicant hereby acknowledge the issuance of this Zoning Clearance Certificate for an Interim Permit is for existing cannabis cultivation purposes only, and does not authorize or grant any approval for development or improvement of the property. The real property subject to this Zoning Clearance Certificate for an Interim Permit has not been evaluated for suitability for development in accordance with existing or future regulations.
3. Taxation. The Property Owner and Applicant hereby acknowledge upon the date of issuance of this Zoning Clearance Certificate for an Interim Permit allowing outdoor and/or mixed light of ECCC shall be subject to taxation pursuant Humboldt County Code Sections 719.1 – 719.15.
4. Track and Trace. The Applicant and Owner shall participate in the Medical Cannabis Track and Trace Program administered by the Humboldt County Agricultural Commissioner.

5. Violations. The Applicant and Owner hereby acknowledge that the Zoning Clearance Certificate for an Interim Permit does not allow or authorize expansion or relocation of the ECCC area, either in part or in its entirety. The Applicant and Owner hereby acknowledge and understand that, notwithstanding Interim Permit page 2, number 6, expansion or relocation of the ECCC area is in violation of this Agreement and shall result in the revocation of the Zoning Clearance Certificate for an Interim Permit by the Director. The Director's decision to revoke the Zoning Clearance Certificate for an Interim Permit is not subject to appeal. In addition to the revocation of this Zoning Clearance Certificate for an Interim Permit, the revocation action will include the denial or withdrawal of the Zoning Clearance Certificate, Special Permit or Conditional Use Permit application for the existing cultivation without a noticed public hearing.
6. Additional Information. The County reserves the right to request that the Applicant and Owner submit additional information as needed to find the Application in conformance with the Humboldt County Zoning Regulations and, if applicable, the terms and conditions of any previously approved development permit, variance, or subdivision [Reference HCC Sections 312-2.4.1, 312-17.1, and 312-17.3].
7. Issuance of Permit. The Parties agree that the County's issuance of the Zoning Clearance Certificate for an Interim Permit referenced herein is conditioned on and made in reliance of the representations made by Owner and Applicant in this Agreement. The Parties acknowledge that the issuance of the Zoning Clearance Certificate for an Interim Permit does not assure or guarantee that a Zoning Clearance Certificate, Special Permit, or Use Permit will be subsequently approved or issued. The Parties acknowledge that the Zoning Clearance Certificate, Special Permit, or Use Permit may be subject to additional conditions and mitigations to comply with the HCC, specifically HCC Section 314-61.1, the Commercial Medical Marijuana Land Use Ordinance (as amended), the California Environmental Quality Act (CEQA), and any other applicable codes, laws, or regulations. The Parties acknowledge the issuance of the Zoning Clearance Certificate for Interim Permit is in no way intended to limit or restrict the application of these laws and regulations.
8. Consent to Inspection. Owner and Applicant consent to all inspections of the property as needed, at any time during business hours Monday through Friday, while this Agreement is in effect, by the Division of Environmental Health or Planning and Building Department, and any other agencies or departments that may need to inspect the property to determine that the terms of this Agreement are being fulfilled.
9. Time Limit to Complete the Application. The Parties agree that the Applicant will complete the Application at the earliest feasible date, but in no event later than December 31, 2018. The time to complete the Application may only be extended by the Director or Planning and Building for cause beyond the control of the applicant upon the written request by Owner/Applicant.

Waiver. The failure of the County to proceed against the Applicant and/or Property Owners in an enforcement action, whether administrative, civil or criminal, for any violation of the applicable ordinance, this Agreement and/or state or local law or regulation shall not constitute or be deemed a waiver of the County's right to proceed against Owner and/or Applicant for any subsequent violation. Nothing in this Agreement shall limit in any manner the authority of the County to apply and/or enforce any provisions of the County's code or state law or regulation to the Owner and Applicant and activities occurring on the property.

10. Notices. All notices required by this Agreement shall be sent, at a minimum, via first class United States Mail with postage prepared to the Parties as follows:

To County:

Director, Planning and Building Department
3015 H Street
Eureka, CA 95501

To Property Owners:

As listed in County of Humboldt property tax records.

To Applicant:

As listed on Zoning Clearance Certificate for Interim Permit.

Notices shall be deemed served upon deposit in the United States mail. The Owner and Applicant shall notify the County in writing of any changes in address.

11. Indemnification. Owner and Applicant shall hold harmless, defend and indemnify County and its agents, officers, officials, employees and volunteers from and against any and all claims, demands, losses, damages, liabilities, expenses and costs of any kind or nature, including, without limitation, attorney fees or other costs of litigation, arising out of, or in connection with, the issuance of a Zoning Clearance Certificate for an Interim Permit for the subject property, the terms of the Zoning Clearance Certificate for an Interim Permit, or the terms of this Agreement.
12. Binding on Successors. This Agreement is binding on the heirs, successors and assigns of the Parties. In the event of a permit transfer, a new compliance agreement must be executed. In the event of property transfer, the Seller and Applicant have an affirmative duty to inform the Buyer of this Compliance Agreement. Seller and Applicant must also provide written proof of Buyer notification to the County.
13. Amendment. This Agreement may be amended, modified or changed by the Parties provided that said amendment, modification or change is in writing and approved by all Parties.

14. Severability. If any provision of this Agreement, or any portion thereof, is found by any court of competent jurisdiction to be unenforceable or invalid for any reason, such provision shall be severable and shall not in any way impair the enforceability of any other provision of this Agreement.
15. Jurisdiction and Venue. This Agreement shall be construed in accordance with the laws of the State of California. Any dispute arising hereunder, or relating hereto, shall be litigated in the State of California and venue shall lie in the County of Humboldt unless transferred by court order pursuant to California Code of Civil Procedure Sections 394 or 395.

This Agreement is entered into between the Parties as of the date the Compliance Agreement is stamped as received.

TWO SIGNATURES ARE REQUIRED FOR CORPORATIONS:

- (1) CHAIRPERSON OF THE BOARD, PRESIDENT, OR VICE PRESIDENT; AND
(2) SECRETARY, ASSISTANT SECRETARY, CHIEF FINANCIAL OFFICER OR TREASURER.

County



John H. Ford, Director
Planning and Building Department
County of Humboldt

IF SIGNING ON BEHALF OF A CORPORATION, PROVIDE TITLE / CAPACITY



Property Owner(s)

Meghan Moody
Sign above Print name here:

Owner Mad River Family Farms
Capacity / Title:

Sign above. Print name here:

Capacity / Title:

Applicant(s) (IF DIFFERENT FROM PROPERTY OWNERS)

Sign above. Print name here:

Capacity / Title:

Sign above. Print name here:

Capacity / Title:

Attach Separate Notary Acknowledgements

CERTIFICATE OF ACKNOWLEDGMENT

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

STATE OF CALIFORNIA }
COUNTY OF HUMBOLDT }

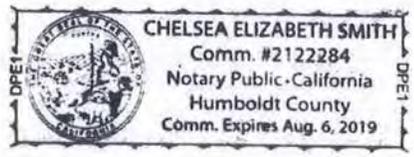
On this 28 day of August, 2018, before me, Chelsea Elizabeth Smith Notary

Public, personally appeared Meghan Moody who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

Witness my hand and official seal.

[Signature] (seal)
Signature



CERTIFICATE OF ACKNOWLEDGMENT

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

STATE OF CALIFORNIA }
COUNTY OF HUMBOLDT }

On this _____ day of _____, 20____, before me, _____ Notary

Public, personally appeared _____ who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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

Witness my hand and official seal.

Signature (seal)

Water Resource Protection Plan

WDID#: 1B16412CHUM

TRC ID#: 180101020302TRC19

Submitted to:

Tyler Meenan

Prepared by:

Timberland Resource Consultants

165 South Fortuna Blvd

Fortuna, CA 95540

10/02/2017

Purpose

This WRPP has been prepared on behalf of the property owner, Tyler Meenan, for APN 208-221-015, 208-221-016, and 208-221-008 by agreement and in response to the California Water Code Section 13260(a), which requires that any person discharging waste or proposing to discharge waste within any region that could affect the quality of the waters of the state, other than into a community sewer system, shall file with the appropriate regional water board a Report of Waste Discharge (ROWD) containing such information and data as may be required by the Regional Water Board. The Regional Water Board may waive the requirements of Water Code section 13260 for specific types of discharges if the waiver is consistent with the Basin Plan and in the public interest. Any waiver is conditional and may be terminated at any time. A waiver should include monitoring requirements to verify the adequacy and effectiveness of the waiver's conditions. Order R1-2015-0023 conditionally waives the requirement to file a ROWD for discharges and associated activities described in finding 4.

Scope of Report

Order No. R1-2015-0023 states that "Tier 2 Dischargers and Tier 3 Dischargers who intend to cultivate cannabis before, during, or following site cleanup activities shall develop and implement a water resource protection plan that contains the elements listed and addressed below. Dischargers must keep this plan on site, and produce it upon request by Regional Water Board staff. Management practices shall be properly designed and installed, and assessed periodically for effectiveness. If a management measure is found to be ineffective, the plan must be adapted and implemented to incorporate new or additional management practices to meet standard conditions. Dischargers shall certify annually to the Regional Water Board individually or through an approved third party program that the plan is being implemented and is effectively protecting water quality, and report on progress in implementing site improvements intended to bring the site into compliance with all conditions of this Order."

Methods

The methods used to develop this WRPP include both field and office components. The office component consisted of aerial photography review and interpretation, existing USGS quad map review, GIS mapping of field data, review of on-site photography points, streamflow calculations, and general planning. The field component included identifying and accurately mapping all watercourses, wet areas, and wetlands located downstream of the cultivation areas, associated facilities, and all appurtenant roads accessing such areas. An accurate location of the Waters of the State is necessary to make an assessment of whether potential and existing erosion sites/pollution sites have the potential to discharge waste to an area that could affect waters of the State (including groundwater). Next, all cultivation areas, associated facilities, and all appurtenant roads accessing such areas were assessed for discharges and related controllable water quality factors from the activities listed in Order R1-2015-0023, Finding 4a-j. The field assessment also included an evaluation and determination of compliance with the Standard Conditions per Provision I.B of Order No. R1-2015-0023. The water resource protection plans required under Tier 2 are meant to describe the specific measures a discharger implements to achieve compliance with standard conditions. Therefore, all required components of the water resource protection plan per Provision I.B of Order No. R1-2015-0023 were physically inspected and evaluated. A comprehensive summary of each Standard Condition as it relates to the subject property is appended.

Property Description

The site consists of three 40 acre parcels which make up a single 120 acre property composed of primarily oak woodland with intermittent stands of conifer. The slope of the property averages 27% with elevations ranging from 2,160 to 3,200 ft. The property is located within the NE ¼ of Section 28, Township 2N, Range 5E, Humboldt County.

This project currently consists of seven cultivation sites (CS) totaling 53,516 square feet.

- CS #1 consists of an approximately 1.2 acre landing that contains five greenhouses. Four of these greenhouses are 20' wide by 110' long while the fifth greenhouse is 20' wide by 135' long. Side slopes from the landing are a stable 50%.
- CS #2 consists of a 0.2 acre gravel landing that contains a single 20' wide by 95' long greenhouse. This site is primarily used as a nursery for CS #1 and #5. Side slopes at this site are approximately 45%.
- CS #3 consists of a southeastern slope modified into two terraces containing greenhouses. The dimensions of the greenhouses are 16' by 84' and 16' by 102'. The entire disturbed hillside is approximately 0.7 acres in size and has approximately 50% side slopes.
- CS #4 consists of a 20' by 50' greenhouse located next to a residence on the property. This cultivation site is located on a relatively flat slope developed previously for the residential structure that exists here. This greenhouse is a nursery site for CS #5, #6, and #7.
- CS #5 consists of an approximately 1.4 acre graded landing containing 10 varying sizes of greenhouse. The landing is located in a naturally flat location and thus has minimum side slopes at approximately 50%. The sizes of the greenhouses are: 20' by 96', two 25' by 108', 25' by 120', two 25' by 132', 25' by 144', and three 25' by 156'.
- CS #6 is a single 20' by 96' greenhouse located on a small flat within the switchback of a road segment. The natural slope is approximately 22%.
- CS #7 is a single 20' by 100' greenhouse located on a small flat within the switchback of a road segment. The natural slope is approximately 24%.

Agricultural water for this project is sourced from three locations. One is a 275,000 gallon rain catchment pond located at the top of the property. The Discharger plans to gravity feed from this pond to storage tanks below over winter. This will maximize the amount of water captured and stored from precipitation. Once the pond and storage facilities are used the Discharger will supplement stored rain water with groundwater diversions (well). There is currently one existing well on the property and the Discharger is awaiting a second to be drilled.

Monitoring Plan

Tier 2 Dischargers shall include a monitoring element in the water resource protection plan that at a minimum provides for periodic inspection of the site, checklist to confirm placement and efficacy of management measures, and document progress on any plan elements subject to a time schedule. Tier 2 Dischargers shall submit an annual report (Appendix C) by March 31 of each year that documents implementation and effectiveness of management measures during the previous year. Tier 2 annual reporting is a function that may be provided through an approved third party program.

Monitoring of the site includes visual inspection and photographic documentation of each feature of interest listed on the site map, with new photographic documentation recorded with any notable changes to the feature of interest. At a minimum, all site features must be monitored annually, to provide the basis for completion of the annual re-certification process. Additionally, sites shall be monitored at the following times to ensure timely identification of changed site conditions and to determine whether implementation of additional management measures is necessary to iteratively

prevent, minimize, and mitigate discharges of waste to surface water: 1) just prior to October 15 to evaluate site preparedness for storm events and storm water runoff, 2) following the accumulation of 3" total precipitation or by November 15, whichever is sooner, and 3) following any rainfall event with an intensity of 3" precipitation in 24 hours. Precipitation data can be obtained from the National Weather Service Forecast Office (e.g. by entering the zip code of the parcel location at <http://www.srh.noaa.gov/forecast>).

Monitoring Plan Reporting Requirements

Order No. R1-2015-0023, Appendix C must be submitted to the Regional Water Board or approved third party program upon initial enrollment in the Order (NOI) and annually thereafter by March 31. Forms submitted to the Regional Water Board shall be submitted electronically to northcoast@waterboards.ca.gov. If electronic submission is infeasible, hard copies can be submitted to: North Coast Regional Water Quality Control Board, 5550 Skylane Boulevard, Suite A, Santa Rosa, CA 95403.

Assessment of Standard Conditions

Assessment of Standard Conditions consisted of field examinations on 07/14/2016 and 08/03/2017. The examination evaluated areas near, and areas with the potential to directly impact, watercourses for sensitive conditions. This includes but is not limited to, existing and proposed roads, skid trails and landings, unstable and erodible watercourse banks, unstable upslope areas, debris, jam potential, inadequate flow capacity, changeable channels, overflow channels, flood prone areas, and riparian zones. Field examinations also evaluated all roads and trails on the property, developed areas, cultivation sites, and any structures and facilities appurtenant to cultivation on the property. Anywhere the Standard Conditions are not met on the property, descriptions of the assessments and the prescribed treatments are outlined following each associated section below.

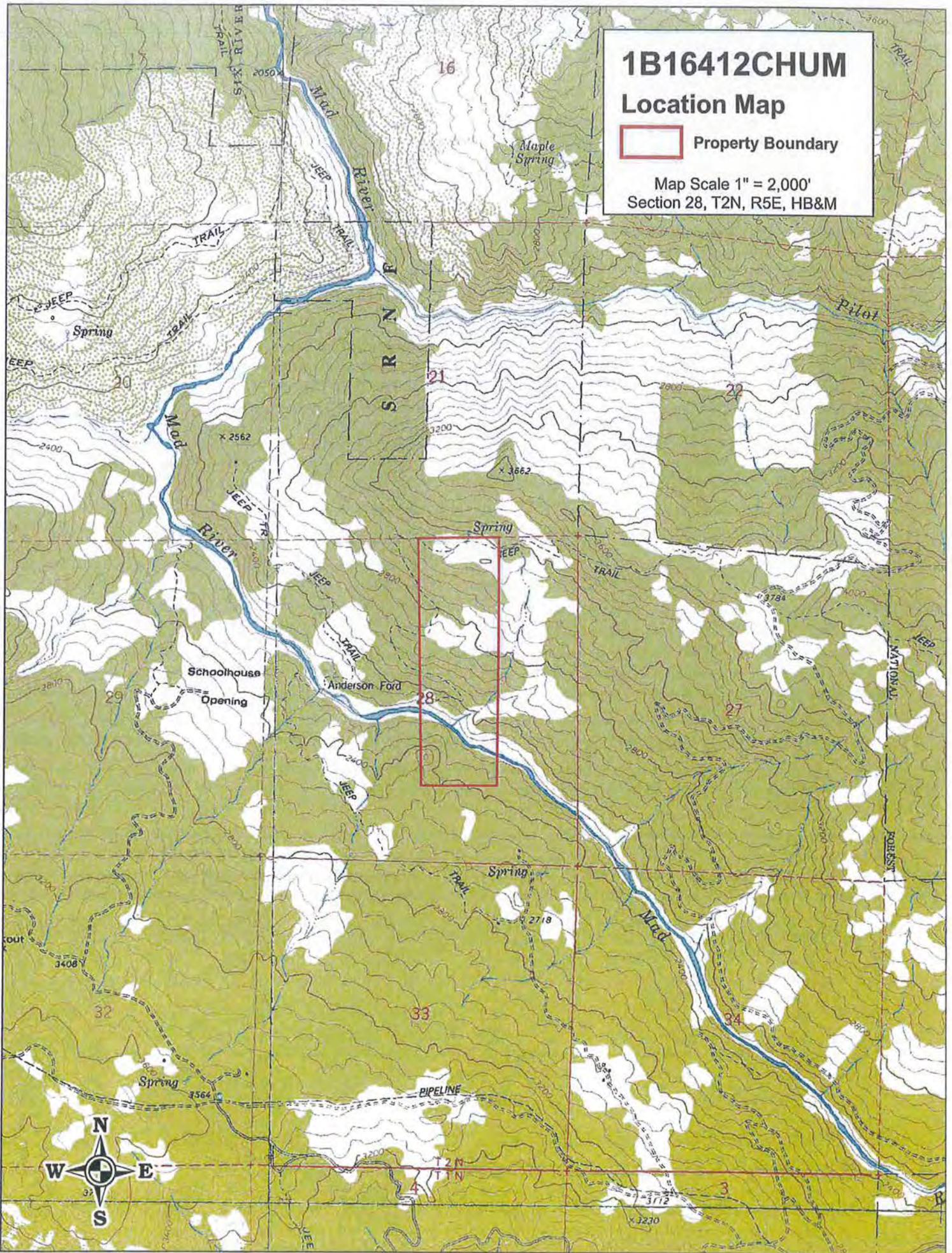
Summary of Standard Conditions Compliance

1. Site maintenance, erosion control, and drainage features Y/N
2. Stream crossing maintenance Y/N
3. Riparian and wetland protection and management Y/N
4. Spoils management Y/N
5. Water storage and use Y/N
6. Irrigation runoff Y/N
7. Fertilizers and soil amendments Y/N
8. Pesticides and herbicides? Y/N
9. Petroleum products and other chemicals Y/N
10. Cultivation-related wastes Y/N
11. Refuse and human waste Y/N

1B16412CHUM Location Map

 Property Boundary

Map Scale 1" = 2,000'
Section 28, T2N, R5E, HB&M



Mitigation Report (Identified Sites Requiring Remediation)

*Time schedule for treatment accounts for appropriate permit approvals and allowed seasons of operation.

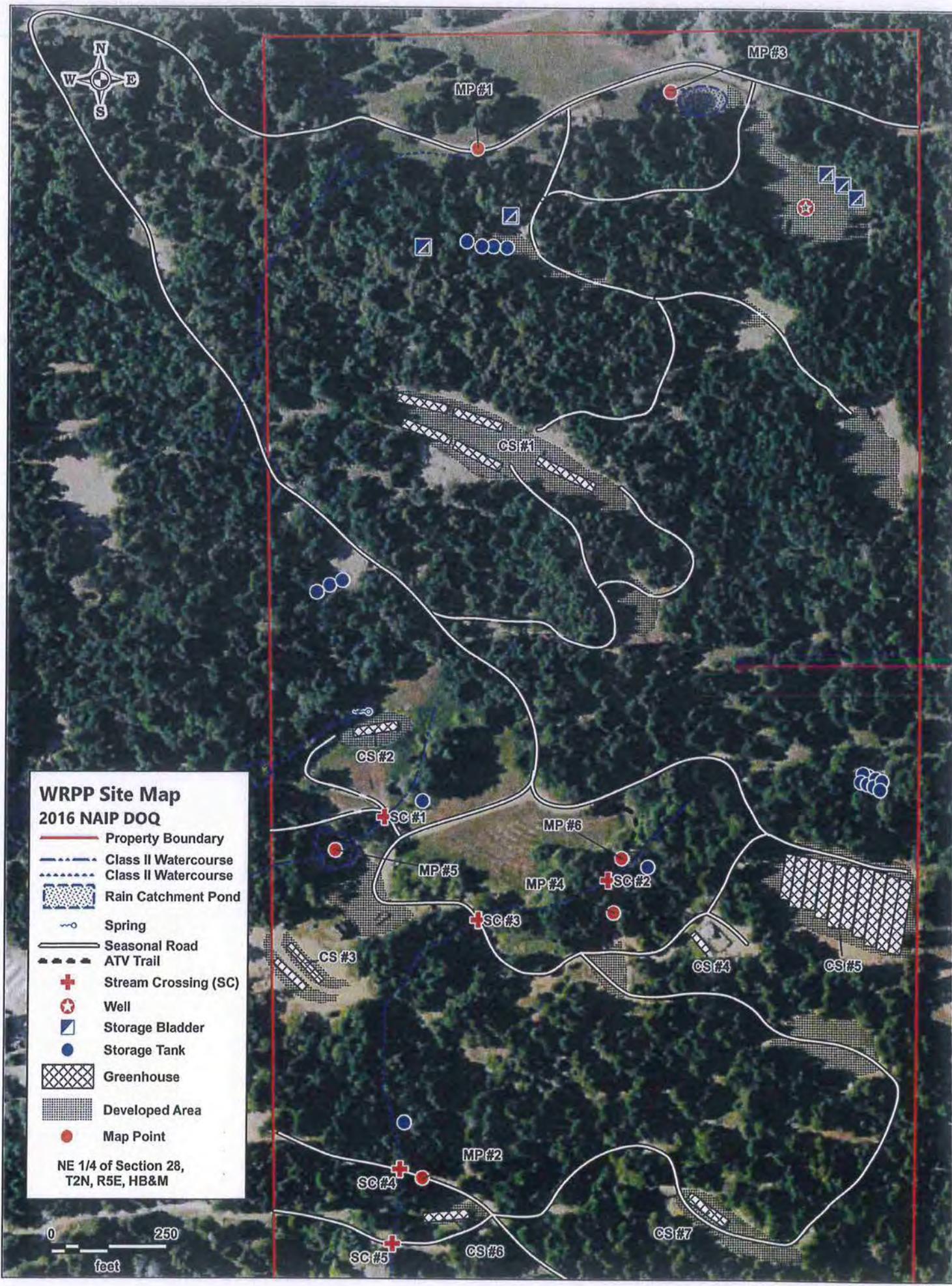
Unique Map Point(s)	Map Point Description	Associated Standard Condition	Temporary BMP	Permanent BMP	Priority for Action	Time Schedule for completion of Permanent BMP	Completion Date
MP #1	Storm runoff is concentrating along road axis and eroding the road surface resulting in sediment delivery to a watercourse	A(1)a.	N/A	Install drainage feature at this location.	1	10/15/18	
MP #2	Storm runoff is concentrating along road axis and eroding the road surface	A(1)b.	N/A	Install drainage feature at this location	3	10/15/19	
MP #3	Pond spillway lacks ability to dissipate energy from overflow	A(1)e.	Apply erosion control measures to exposed soil	Install rock armor capable of mitigating potential erosion	1	10/15/17	
MP #4	ATV trail is hydrologically connected to watercourse	A(1)e	Apply erosion control to road surface per attached specifications	Decommission road per attached specifications	3	10/15/19	
SC #1	10" diameter CPP is too small to accommodate the expected 100 year peak flow	A(2)a. A(2)b.	N/A	Upgrade crossing to a minimum 42" diameter culvert per attached specifications	2	10/15/18	
SC #2	Lack of crossing structure on watercourse	A(2)d.	N/A	Seed and mulch dirt ford with native mix. Monitor to assure vegetation establishes	1	10/15/18	
SC #3	24" diameter CPP is too small to accommodate the expected 100 year peak flow	A(2)a. A(2)b.	N/A	Upgrade crossing to a minimum 42" diameter culvert per attached specifications	2	10/15/18	
SC #4	24" diameter CPP is too small to accommodate the expected 100 year peak flow	A(2)a. A(2)b.	N/A	Upgrade crossing to a minimum 42" diameter culvert per attached specifications	2	10/15/18	
SC #5	Lack of crossing structure on watercourse	A(2)d.	N/A	Upgrade crossing to a rockered ford per attached specifications	1	10/15/18	
CS #2	Cultivation site encroaching on Class II riparian buffer	A(3)a. A(3)b. A(3)c.	Cease all cultivation at this site and remove all cultivation materials	Remove greenhouse from site and establish riparian vegetation using seed and mulch. Monitor to assure vegetation establishes	2	10/15/18	
MP #5	Rain catchment pond constructed atop a Class II watercourse. Watercourse is bypassed under pond using 8" diameter flex pipe	A(2)a.-f. A(3)a.-c.	N/A	-Remove pond liner -Excavate bypass pipe -Contour site to native conditions -Plant and monitor native riparian vegetation	2	10/15/18	

Mitigation Report (Continued)

*Time schedule for treatment accounts for appropriate permit approvals and allowed seasons of operation.

Unique Map Point(s)	Map Point Description	Associated Standard Condition	Temporary BMP	Permanent BMP	Priority for Action	Time Schedule for completion of Permanent BMP	Completion Date
MP #6	Developed flat site directly adjacent to a Class II watercourse	A(3)b. A(3)c.	Seed and mulch site per attached specifications	Monitor site and assure that riparian vegetation becomes established	1	10/15/21	
No Unique Map Point Given	Storage is adequate to forebear from surface diversions for 150 days	A(5)a. A(5)b. A(5)c.	N/A	Meter water use and annually assess if storage capacity is adequate	Annually	05/15/Every Year	

Treat Priority: Treatment Priority (1) indicates a very high priority with treatment being planned to occur immediately, (2) indicates a high priority site with treatment to occur prior to the start of the winter period (Oct. 15), (3) indicates a moderate priority with treatment being planned to occur within one year, or prior to the winter period (Oct. 15) of the 2nd season of operations, and (4) indicates a low priority with treatment being planned to occur in the shortest time possible, but no later than the expiration of this Order (five years).

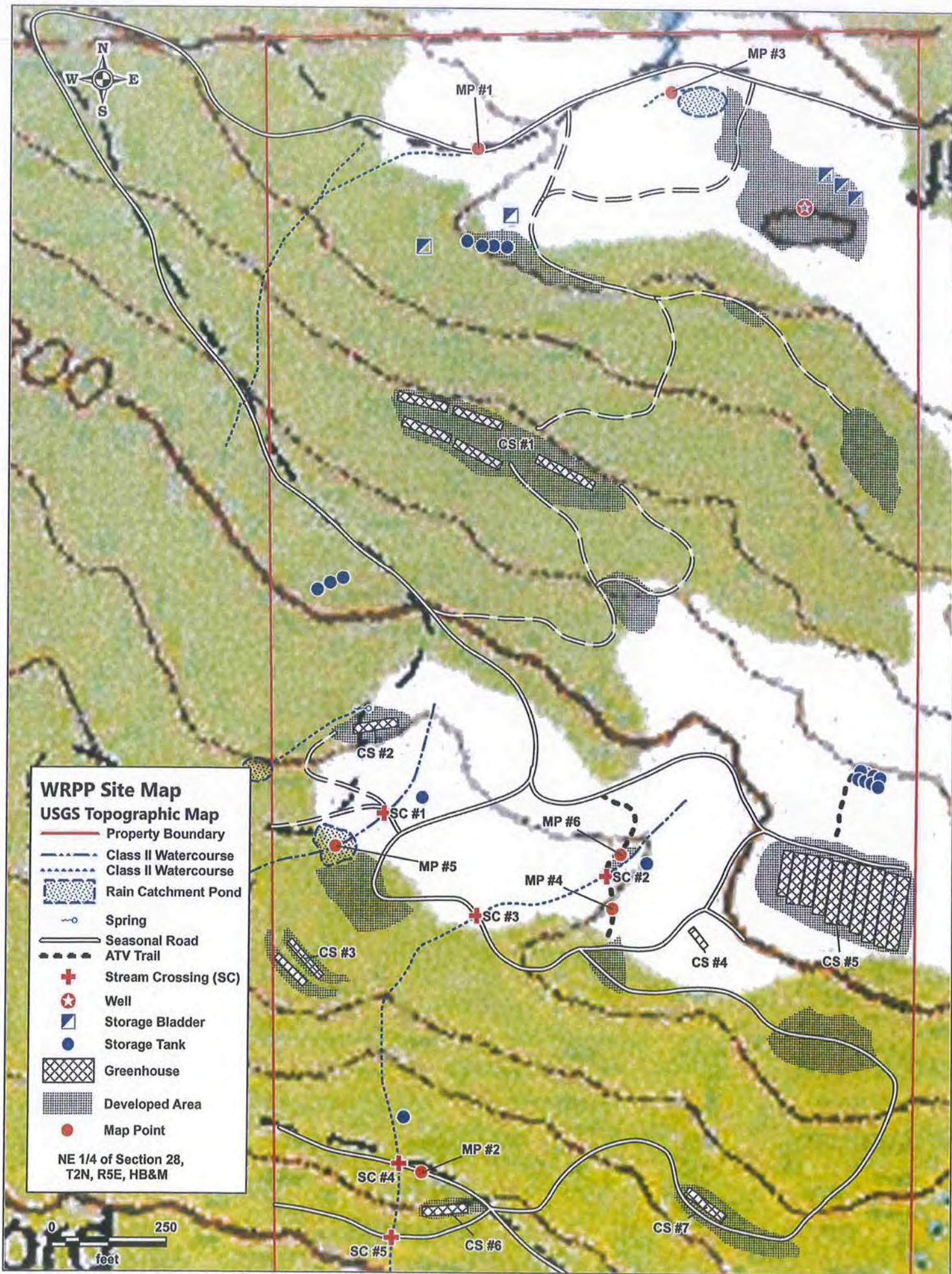


WRPP Site Map
2016 NAIP DOQ

-  Property Boundary
-  Class II Watercourse
-  Class II Watercourse
-  Rain Catchment Pond
-  Spring
-  Seasonal Road
-  ATV Trail
-  Stream Crossing (SC)
-  Well
-  Storage Bladder
-  Storage Tank
-  Greenhouse
-  Developed Area
-  Map Point

NE 1/4 of Section 28,
 T2N, R5E, HB&M





A. Standard Conditions, Applicable to All Dischargers

1. Site maintenance, erosion control and drainage features (Compliance: Y / N)

- a. Roads shall be maintained as appropriate (with adequate surfacing and drainage features) to avoid developing surface ruts, gullies, or surface erosion that results in sediment delivery to surface waters.
 - **Map Point (MP) #1 is where storm runoff is concentrating along a road resulting in sediment delivery to a Class III watercourse. The Discharger shall install a drainage structure at this location. A lead out along the inboard edge of the road at this location is recommended.**
- b. Roads, driveways, trails, and other defined corridors for foot or vehicle traffic of any kind shall have adequate ditch relief drains or rolling dips and/or other measures to prevent or minimize erosion along the flow paths and at their respective outlets.
 - **MP #2 is where storm runoff is concentrating along the outboard edge of the road and has eroded the road surface. It is possible that a poorly installed stream crossing, SC #4, is allowing surface flows from a Class III watercourse to divert onto the road surface and exacerbate the problem. The Discharger shall install a drainage feature at this site, a water break per attached specifications is recommended.**
- c. Roads and other features shall be maintained so that surface runoff drains away from potentially unstable slopes or earthen fills. Where road runoff cannot be drained away from an unstable feature, an engineered structure or system shall be installed to ensure that surface flows will not cause slope failure.

Physical reconnaissance of the property revealed no unstable areas per 14CCR 895.1.

- d. Roads, clearings, fill prisms, and terraced areas (cleared/developed areas with the potential for sediment erosion and transport) shall be maintained so that they are not hydrologically connected¹, as feasible, from surface waters, including wetlands, ephemeral, intermittent and perennial streams.

There are three locations where a development may potentially be hydrologically connected with surface waters.

- **CS #2 is located on a graveled landing that, at its closet, is approximately 30' away from a Class II watercourse. Although the cultivation site encroaches on the Class II riparian buffer there are no signs of run-off flowing towards the watercourse. The landing is set at a slight grade that drains run-off west, away from the Class II.**
- **There is a rain catchment pond near CS #3 that collects run-off directly from a 0.4 acre developed flat and releases it directly into a Class II watercourse. Mitigation of this site is addressed in Standard Condition A(3)b.**

¹ Connected roads are road segments that deliver road surface runoff, via the ditch or road surface, to a stream crossing or to a connected drain that occurs within the high delivery potential portion of the active road network. A connected drain is defined as any cross-drain culvert, water bar, rolling dip, or ditch-out that appears to deliver runoff to a defined channel. A drain is considered connected if there is evidence of surface flow connection from the road to a defined channel or if the outlet has eroded a channel that extends from the road to a defined channel. (http://www.forestsandfish.com/documents/Road_Mgmt_Survey.pdf)

- e. Ditch relief drains, rolling dip outlets, and road pad or terrace surfaces shall be maintained to promote infiltration/dispersal of outflows and have no apparent erosion or evidence of soil transport to receiving waters.
- **MP #3 consists of a lined spillway leading from a rain catchment pond with no rock armor or other form of energy dissipation. The Discharger shall install adequate rock armor at this location to prevent erosion from occurring.**
- **MP #4 is the ATV trail that crosses SC #2 and access the small developed site located at MP #6. Although there are no signs of surface erosion the road is hydrologically connected to the Class III watercourse. The Discharger shall decommission this road per attached BMP specifications.**
- f. Stockpiled construction materials are stored in a location and manner so as to prevent their transport to receiving waters.

This condition is not applicable as the Discharger has no construction materials stored on the property.

2. Stream Crossing Maintenance (Compliance: Y / N)

- a. Culverts and stream crossings shall be sized to pass the expected 100-year peak streamflow.
- b. Culverts and stream crossings shall be designed and maintained to address debris associated with the expected 100-year peak streamflow.
- c. Culverts and stream crossings shall allow passage of all life stages of fish on fish-bearing or restorable streams, and allow passage of aquatic organisms on perennial or intermittent streams.
- d. Stream crossings shall be maintained so as to prevent or minimize erosion from exposed surfaces adjacent to, and in the channel and on the banks.
- e. Culverts shall align with the stream grade and natural stream channel at the inlet and outlet where feasible.²
- f. Stream crossings shall be maintained so as to prevent stream diversion in the event that the culvert/crossing is plugged, and critical dips shall be employed with all crossing installations where feasible.³

There are five stream crossings (SC) within the property boundaries. All of these crossings are either undersized to accommodate the 100 year peak flow event or contributing to sediment delivery within the watercourse.

- **SC #1 is a 10" diameter CPP located on an unnamed Class II watercourse. This culvert shall be upgraded to a minimum 42" diameter culvert per attached specifications.**
- **SC #2 consists of a dirt ford located on a Class III watercourse. The Discharger shall decommission and abandon this site by seeding and mulching the site with a native**

² At a minimum, the culvert shall be aligned at the inlet. If infeasible to align the culvert outlet with the stream grade or channel, outlet armoring or equivalently effective means may be applied.

³ If infeasible to install a critical dip, an alternative solution may be chosen.

riparian seed mix attached with this document. No earthwork will be necessary to restore the watercourse.

- SC #3 is a 24" diameter CPP located on an unnamed Class III watercourse. This culvert shall be upgraded to a minimum 42" diameter culvert per attached specifications.
- SC #4 is a 24" diameter CPP located on an unnamed Class III watercourse. This culvert shall be upgraded to a minimum 42" diameter culvert per attached specifications.
- SC #5 is a dirt ford located on an unnamed Class III watercourse. The Discharger shall install a rocked ford crossing per attached specifications.

All stream crossing locations have been sized and designed to accommodate the 100-year peak flow event, allow passage of organisms, and to prevent or minimize erosion within the watercourse. All crossings will be monitored and maintained to assure culverts function. Sizing rational has been attached to this document.

3. Riparian and Wetland Protection and Management (Compliance: Y / N)

- a. For Tier 1 Dischargers, cultivation areas or associated facilities shall not be located within 200 feet of surface waters. While 200 foot buffers are preferred for Tier 2 sites, at a minimum, cultivation areas and associated facilities shall not be located or occur within 100 feet of any Class I or II watercourse or within 50 feet of any Class III watercourse or wetlands. The Regional Water Board or its or its Executive Officer may apply additional or alternative⁴ conditions on enrollment, including site-specific riparian buffers and other BMPs beyond those identified in water resource protection plans to ensure water quality protection.

There is one location where a cultivation site is located within the minimum setback to a watercourse.

- Cultivation located at CS #2 is approximately 67' away from a Class II watercourse while the edge of the landing is approximately 30' away. The Discharger shall remove all cultivation and infrastructure from this location.
- b. Buffers shall be maintained at natural slope with native vegetation.

There are three locations where riparian buffers have been altered.

- CS #2 consists of a gravel landing that has encroached within the 100' Class II riparian buffer. Historic photographs reveal this site was historically a grass meadow that gently drains into the Class II watercourse. The Discharger shall remove all gravel from this location as well as seed and mulch this site with a native riparian seed mix.
- MP #5 consists of an 80' wide by 95' long by 10' deep rain catchment pond. This pond was constructed atop a Class II watercourse. The Discharger designed a bypass system where the watercourse enters an 8" diameter flex pipe above the pond and is piped approximately 180' under the pond and into the native watercourse. The Discharger shall remove the pond liner, contour the site back to

⁴ Alternative site-specific riparian buffers that are equally protective of water quality may be necessary to accommodate existing permanent structures or other types of structures that cannot be relocated.

native conditions, and plant native riparian species to restore the riparian buffer per attached specifications.

- **MP #6 consists of a graded flat location directly adjacent to a Class II watercourse. This location was prepared as a site for storage tanks. The Discharger shall abandon the site by seeding and mulching this site to establish riparian vegetation.**
- c. Buffers shall be of sufficient width to filter wastes from runoff discharging from production lands and associated facilities to all wetlands, streams, drainage ditches, or other conveyances. Riparian and wetland areas shall be protected in a manner that maintains their essential functions, including temperature and microclimate control, filtration of sediment and other pollutants, nutrient cycling, woody debris recruitment, groundwater recharge, streambank stabilization, and flood peak attenuation and flood water storage.

The three sites mentioned above are the only locations where the riparian buffers are less than the minimum functional width. These sites shall be restored with specific attention given to essential functions, including temperature and microclimate control, filtration of sediment and other pollutants, nutrient cycling, woody debris recruitment, groundwater recharge, streambank stabilization, flood peak attenuation and flood water storage.

4. Spoils Management (Compliance: Y / N)

- a. Spoils⁵ shall not be stored or placed in or where they can enter any surface water.

Cultivated spoils are stored within their respective beds over winter.

- b. Spoils shall be adequately contained or stabilized to prevent sediment delivery to surface waters.

The wooden beds that the Discharger cultivates in are adequate to contain spoils from leaving the cultivation sites over winter.

- c. Spoils generated through development or maintenance of roads, driveways, earthen fill pads, or other cleared or filled areas shall not be sidecast in any location where they can enter or be transported to surface waters.

There are no locations where construction or maintenance has generated spoils.

5. Water Storage and Use (Compliance: Y / N)

- a. Size and scope of an operation shall be such that the amount of water used shall not adversely impact water quality and/or beneficial uses, including and in consideration with other water use by operations, instream flow requirements and/or needs in the watershed, defined at the scale of a HUC-12⁶ watershed or at a smaller hydrologic watershed as determined necessary by the Regional Water Board Executive Officer.

The Discharger is working to minimize and mitigate their impacts across the watershed that they operate in. This includes increasing storage, increasing water conservation strategies, developing a well, and developing multiple rain water catchment ponds. The Discharger plans to divert from the rain catchment pond and well to storage tanks across the property. These strategies will significantly reduce this project's potential

⁵ Spoils are waste earthen or organic materials generated through grading or excavation, or waste plant growth media or soil amendments. Spoils include but are not limited to soils, slash, bark, sawdust, potting soils, rock, and fertilizers.

⁶ See definition and link to maps at: <http://water.usgs.gov/GIS/huc.html>

threats to water quality and beneficial uses. The Discharger shall meter water use and annually assess if storage capacity is adequate.

- b. Water conservation measures shall be implemented. Examples include use of rainwater catchment systems or watering plants with a drip irrigation system rather than with a hose or sprinkler system.

The agricultural source of water on the property is a rain catchment pond and groundwater diversion. The Discharger shall implement more water conservation techniques and record them.

- c. For Tier 2 Dischargers, if possible, develop off-stream storage facilities to minimize surface water diversion during low flow periods.

The project contains 90,000 gallons of water storage in the form of bladders as well as 57,650 gallons stored in polyethylene storage tanks. The rain catchment pond also holds an estimated 200,000 gallons of water. This amount of water, 347,650 gallons, supplemented with a groundwater diversion is estimated to be adequate to prevent the Discharger from diverting surface water during the low flow period.

- d. Water is applied using no more than agronomic rates.⁷

There is no evidence to conclude that the Discharger irrigates at a greater rate than the growth medium can facilitate. No signs of over watering are present on-site. It is recommended that the Discharger meter their water use and install float-valves on appropriate storage tanks.

- e. Diversion and/or storage of water from a stream should be conducted pursuant to a valid water right and in compliance with reporting requirements under Water Code section 5101.

The Discharger utilizes two sources of water for irrigation purposes. Both sources, a groundwater well and rain catchment pond, are non-jurisdictional to Water Code section 5101.

- f. Water storage features, such as ponds, tanks, and other vessels shall be selected, sited, designed, and maintained so as to insure integrity and to prevent release into waters of the state in the event of a containment failure.

There is one location where a water storage feature presents a significant risk to waters of the state.

- The rain catchment pond located at MP #2 risks releasing directly into a Class II watercourse if it fails. As addressed in Standard Condition A(3)b. the Discharger shall remove this rain catchment pond and restore the Class II watercourse per attached specifications.

6. Irrigation Runoff (Compliance: Y / N)

- a. Implementing water conservation measures, irrigating at agronomic rates, applying fertilizers at agronomic rates and applying chemicals according to the label specifications, and maintaining stable soil and growth media should serve to minimize the amount of runoff and the concentration of chemicals in that water. In the event that irrigation runoff

⁷ "Agronomic rates" is defined as the rates of fertilizer and irrigation water that a plant needs to enhance soil productivity and provide the crop or forage growth with needed nutrients for optimum health and growth, without having any excess water or nutrient percolate beyond the root zone.

occurs, measures shall be in place to treat/control/contain the runoff to minimize the pollutant loads in the discharge. Irrigation runoff shall be managed so that any entrained constituents, such as fertilizers, fine sediment and suspended organic particles, and other oxygen consuming materials are not discharged to nearby watercourses. Management practices include, but are not limited to, modifications to irrigation systems that reuse tailwater by constructing off-stream retention basins, and active (pumping) and or passive (gravity) tailwater recapture/redistribution systems. Care shall be taken to ensure that irrigation tailwater is not discharged towards or impounded over unstable features or landslides.

There are no signs of irrigation run-off within either cultivation site. The Discharger irrigates at an agronomic rate to minimize waste and the risk of entrained constituents leaving the site.

7. Fertilizers and Soil Amendments (Compliance: Y / N)

- a. Fertilizers, potting soils, compost, and other soils and soil amendments shall be stored in locations and in a manner in which they cannot enter or be transported into surface waters and such that nutrients or other pollutants cannot be leached into groundwater.

Fertilizers, soils and other amendments are stored within three separate storage structures. These include a standalone garage east of CS #3 and two sheds south of CS #5. All three structures have concrete foundations that prevent any risk of spillage and seepage.

- b. Fertilizers and soil amendments shall be applied and used per packaging instructions and/or at proper agronomic rates.

All fertilizers and soil amendments are applied by the Discharger at agronomic rates per specifications included in the labeling.

- c. Cultivation areas shall be maintained so as to prevent nutrients from leaving the site during the growing season and post-harvest.

Cultivation sites are well maintained with no improperly stored nutrients or fertilizers found throughout the property. The Discharger uses a combination of strategies designed to prevent excess nutrient build up within the soil and nutrient leaching. These include flushing soil during the end of harvest which promotes plant biomass to uptake the remaining nutrients within the soil and cover cropping over winter. This technique promotes plant biomass to immobilize nutrients from the soil through uptake and then release them back into the soil through tilling.

8. Pesticides/Herbicides (Compliance: Y / N)

At the present time, there are no pesticides or herbicides registered specifically for use directly on cannabis and the use of pesticides on cannabis plants has not been reviewed for safety, human health effects, or environmental impacts. Under California law, the only pesticide products not illegal to use on cannabis are those that contain an active ingredient that is exempt from residue tolerance requirements and either registered and labeled for a broad enough use to include use on cannabis or exempt from registration requirements as a minimum risk pesticide under FIFRA section 25(b) and California Code of Regulations, title 3, section 6147. For the purpose of compliance with conditions of this Order, any uses of pesticide products shall be consistent with product labeling and any products on the site shall

be placed, used, and stored in a manner that ensures that they will not enter or be released into surface or ground waters.

Pesticides/herbicides are stored with the fertilizers and amendments in the storage structures. These structures adequately prevent these chemicals from entering surface water and/or ground waters

9. Petroleum products and Other Chemicals (Compliance: Y☒ / N☐)

- a. Petroleum products and other liquid chemicals, including but not limited to diesel, biodiesel, gasoline, and oils shall be stored so as to prevent their spillage, discharge, or seepage into receiving waters. Storage tanks and containers must be of suitable material and construction to be compatible with the substance(s) stored and conditions of storage such as pressure and temperature.

Fuel is stored in a 500 gallon steel tank near the storage sheds south of CS #5. This tank is suitable for the storage of petroleum products.

- b. Above ground storage tanks and containers shall be provided with a secondary means of containment for the entire capacity of the largest single container and sufficient freeboard to contain precipitation.

The fuel storage tank on the property does have secondary storage but it is unknown of there is sufficient freeboard for precipitation. The Discharger shall cover this storage tank over winter to prevent precipitation from filling the containment structure.

- c. Dischargers shall ensure that diked areas are sufficiently impervious to contain discharged chemicals.

Not Applicable

- d. Discharger(s) shall implement spill prevention, control, and countermeasures (SPCC) and have appropriate cleanup materials available onsite.

Not applicable

- e. Underground storage tanks 110 gallons and larger shall be registered with the appropriate County Health Department and comply with State and local requirements for leak detection, spill overflow, corrosion protection, and insurance coverage.

Not Applicable

10. Cultivation-related Wastes (Compliance: Y☒ / N☐)

Cultivation-related wastes including, but not limited to, empty soil/soil amendment/fertilizer/pesticide bags and containers, empty plant pots or containers, dead or harvested plant waste, and spent growth medium shall, for as long as they remain on the site, be stored⁸ at locations where they will not enter or be blown into surface waters, and in a manner that ensures that residues and pollutants within those materials do not migrate or leach into surface water or groundwaters.

There are no locations where cultivation related waste is stored in a manner where it may potentially enter any surface waters. Trash bins are kept in the standalone garage east of CS #3 and trash is hauled off site twice a month.

⁸ Plant waste may also be composted, subject to the same restrictions cited above for cultivation-related waste storage.

11. Refuse and Human Waste (Compliance: Y☒ / N☐)

- a. Disposal of domestic sewage shall meet applicable County health standards, local agency management plans and ordinances, and/or the Regional Water Board's Onsite Wastewater Treatment System (OWTS) policy, and shall not represent a threat to surface water or groundwater.

There is a septic system located on the property. The Onsite Wastewater Treatment System (OWTS) serving the residences appear to be functioning properly. No evidence of dispersal field failure was detected when inspected and the location of the system meets all applicable setback requirements. Although permit records for the system could not be obtained, it is likely that this system will fall under Tier 0 (existing systems that are properly functioning and do not meet the conditions of failing systems or otherwise require corrective action – as defined in the RWQCB OWTS Policy and Humboldt County Local Agency Management Plan).

- b. Refuse and garbage shall be stored in a location and manner that prevents its discharge to receiving waters and prevents any leachate or contact water from entering or percolating to receiving waters.

Refuse and garbage are contained in bins stored within the standalone garage east of CS #3. This location is over 100' from the nearest watercourse and prevents any garbage or waste effluent to reaching surface waters.

- c. Garbage and refuse shall be disposed of at an appropriate waste disposal location.

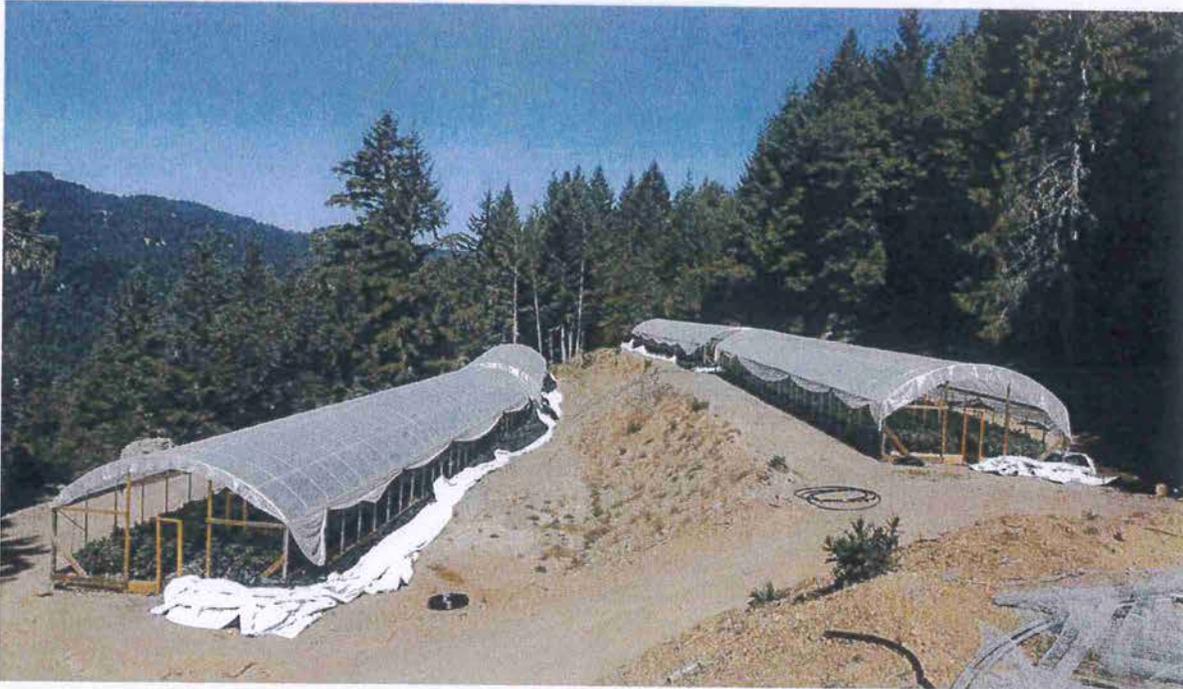
All waste is transported to Eel River Resource Recovery for disposal twice a month.

12. Remediation/Cleanup/Restoration

Remediation/cleanup/restoration activities may include, but are not limited to, removal of fill from watercourses, stream restoration, riparian vegetation planting and maintenance, soil stabilization, erosion control, upgrading stream crossings, road outsloping and rolling dip installation where safe and suitable, installing ditch relief culverts and overside drains, removing berms, stabilizing unstable areas, reshaping cutbanks, and rocking native-surfaced roads. Restoration and cleanup conditions and provisions generally apply to Tier 3 sites, however owners/operators of Tier 1 or 2 sites may identify or propose water resource improvement or enhancement projects such as stream restoration or riparian planting with native vegetation and, for such projects, these conditions apply similarly. Appendix B accompanying this Order includes environmental protection and mitigation measures that apply to cleanup activities such as: temporal limitations on construction; limitations on earthmoving and construction equipment; guidelines for removal of plants and revegetation; conditions for erosion control, limitations on work in streams, riparian and wetland areas; and other measures.

Mitigation measures are listed in the Mitigation Report and also noted above in the document. All locations listed within the mitigation report will be monitored by the discharger.

Photographs

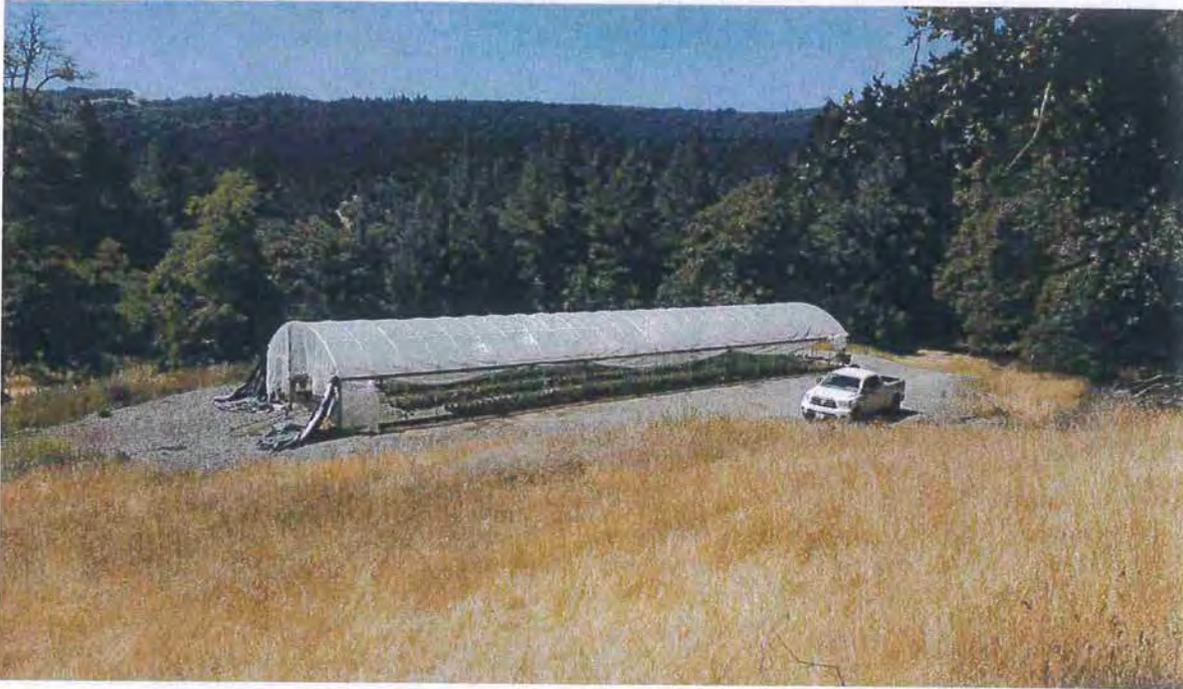


Picture 1: Cultivation Site #1 consists of a landing divided into two tiers containing five greenhouses. The fifth greenhouse is located behind the photographer. Photo date: 07/14/2016.



Picture 2: Fifth greenhouse located at CS #1. Photo date: 07/14/2016

Photographs



Picture 3: Greenhouse and landing located at CS #2. This site will be abandoned and restored per Standard Condition A(3)b and A(3)c. Photo date: 07/14/2016



Picture 4: CS #3 consists of a hillside developed into two terraces that contain greenhouses. Photo date: 05/26/2016

Photographs

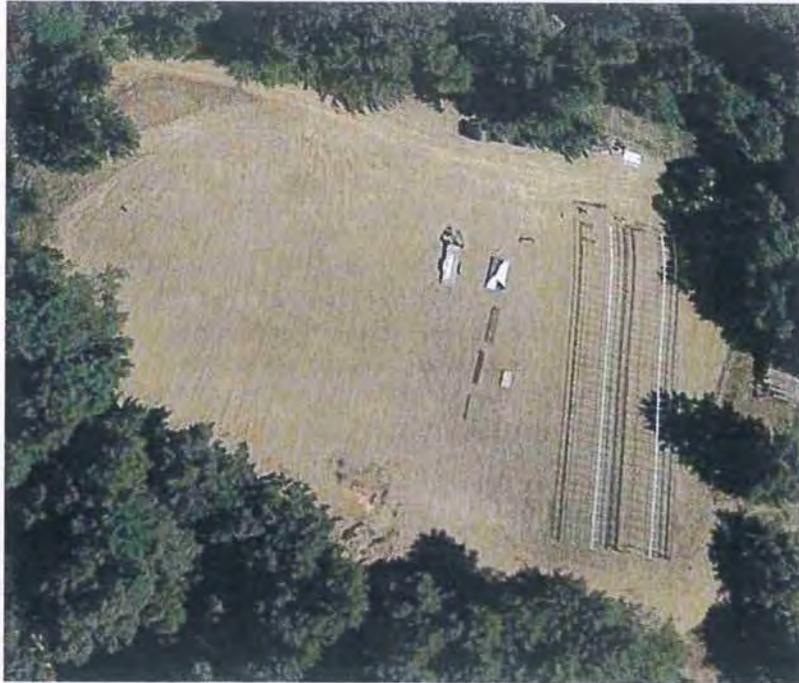


Picture 5: CS #3 consists of a hillside developed into two terraces that contain greenhouses. Photo date: 08/03/2017



Picture 6: CS #4 consists of a single small greenhouse used as a nursery for the other cultivation sites. It is located on a developed flat next to an existing residential structure. Photo date: 07/14/2016

Photographs

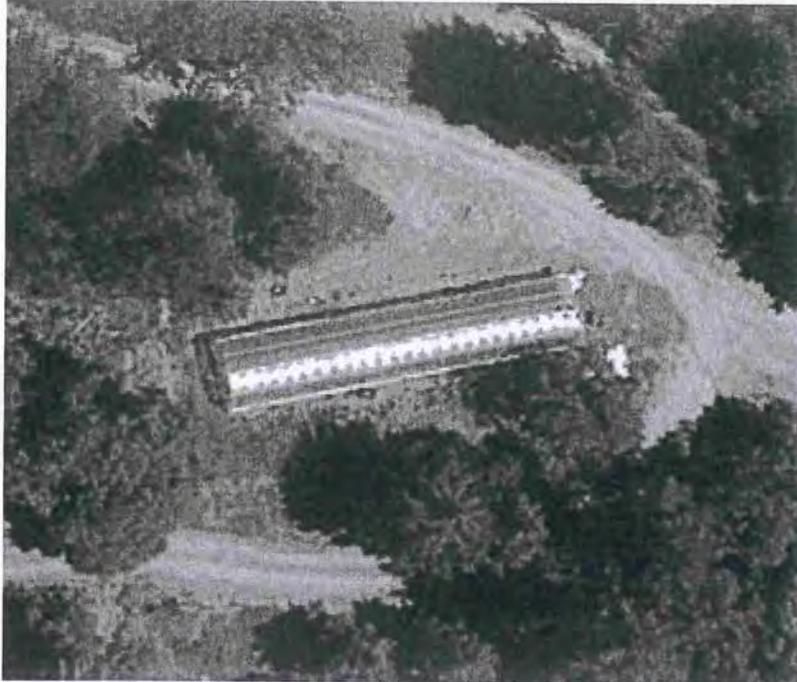


Picture 7: CS #5 consists of an approximately 1.4 acre graded landing containing 10 varying sizes of greenhouse. Photo date: 05/26/2016



Picture 8: The 10 greenhouses of varying length located at CS #5. Photo date: 08/03/2017

Photographs



Picture 9: CS #6 is a single 20' by 96' greenhouse located on a small flat within the switchback of a road segment. Photo date: 05/26/2016



Picture 10: CS #7 is a single 20' by 100' greenhouse located on a small flat within the switchback of a road segment. Photo date: 05/26/2016

Photographs



Picture 11: One source of agricultural water in the property is a 275,000 gallon rain catchment pond. The pond is 108' wide by 75' long by 15' deep with an average depth of 6'. Photo date: 07/14/2016



Picture 12: The second source of agricultural water is a groundwater diversion powered by a solar powered electric pump. Photo date: 07/14/2016

Photographs



Picture 13: MP #1 is where storm runoff is concentrating along a road resulting in sediment delivery to a Class III watercourse. The Discharger shall install a drainage structure at this location. A lead out along the inboard edge of the road at this location is recommended. Photo date: 08/03/2017



Picture 14: MP #2 is where storm runoff is concentrating along the outboard edge of the road and has eroded the road surface. The Discharger shall repair the drainage feature located behind the photographer in this picture. Photo date: 08/03/2017

Photographs



Picture 15 + 16: MP #3 consists of a lined spillway leading from a rain catchment pond with no rock armor or other form of energy dissipation. The Discharger shall install adequate rock armor at this location to prevent erosion from occurring. Photo date: 07/14/2016

Photographs



Picture 17: SC #1 is a 10" diameter CPP located on an unnamed Class II watercourse. This crossing shall be upgraded to a minimum 42" diameter culvert per attached specifications. Also seen in this picture is the catchment structure for the watercourse bypass. The pond shall be removed and the watercourse shall be restored per Standard Conditions A(3)c. Photo date: 07/14/2016

Photographs



Picture 18: SC #2 consists of a dirt ford located on a Class III watercourse. The Discharger shall decommission and abandon this location by seeding and mulching the site with a native riparian seed mix. Also seen in this picture is the road segment located at MP #4. This road shall be decommissioned by the Discharger per attached BMP specifications. Photo date: 07/14/2016



Picture 19: Outlet of SC #3. This crossing is a 24" diameter CPP located on an unnamed Class III watercourse. This culvert shall be upgraded to a minimum 42" diameter culvert per attached specifications. Photo date: 07/14/2016

Photographs



Picture 20 + 21: Inlet (top) and outlet (bottom) of SC #4. This crossing consists of a 24" diameter CPP located on an unnamed Class III watercourse. This culvert shall be upgraded to a minimum 42" diameter culvert per attached specifications. Photo date: 07/14/2016

Photographs



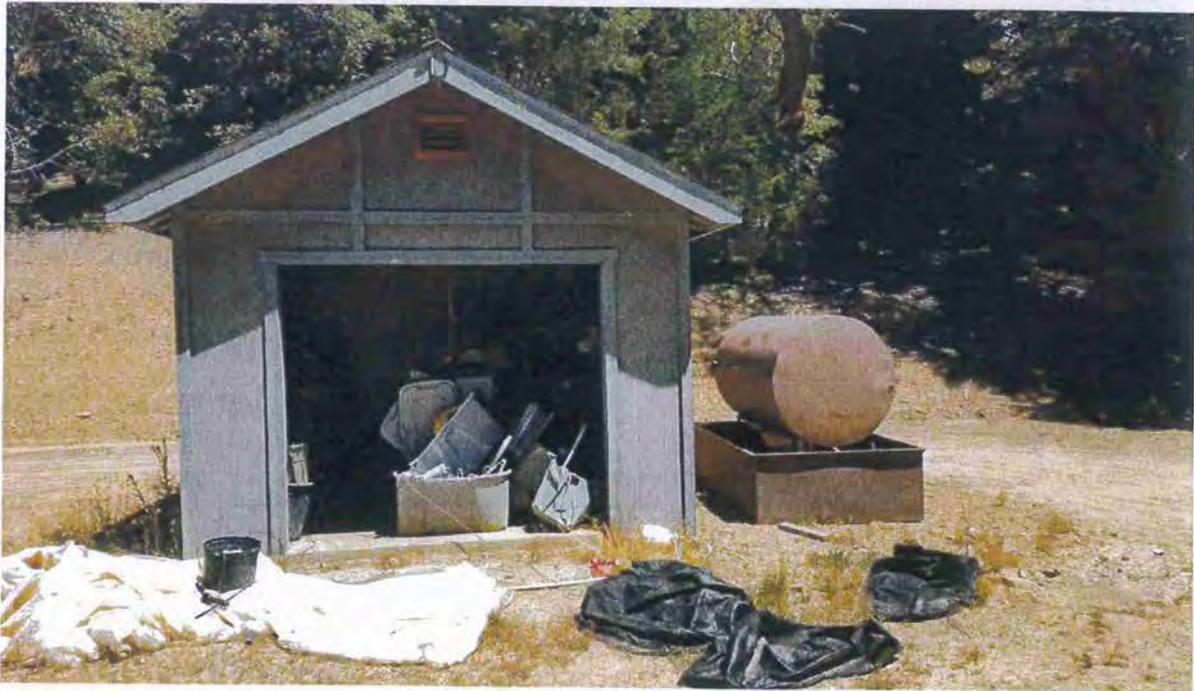
Picture 22: SC #5 is a dirt ford located on an unnamed Class III watercourse. The Discharger shall install a rocked ford crossing per attached specifications. Photo date: 08/03/2017



Picture 23: MP #2 consists of an 80' wide by 95' long by 10' deep rain catchment pond. This pond was constructed atop a Class II watercourse. The Discharger shall remove the pond liner, contour the site back to native conditions, and plant native riparian species to restore the riparian buffer per attached specifications. Photo date: 07/14/2016

Photographs

Picture 24: MP #5 consists of a graded flat location directly adjacent to a Class II watercourse. This location was prepared as a site for storage tanks. The Discharger shall abandon the site by seeding and mulching this site to establish riparian vegetation. Photo date: 07/14/2016

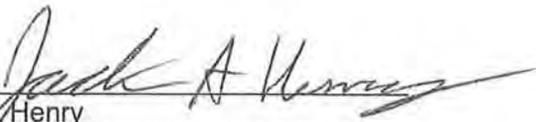
Photographs

Picture 25 + 26: Fertilizers, soil amendments, pesticides, herbicides, and other miscellaneous cultivation supplies are stored within two storage structures on the property. These locations are outside of riparian buffers and prevent chemicals from migrating into surface and/or groundwater. Fuel is stored within the 500 gallon fuel tank shown in the lower picture. Photo date: 07/14/2017

STATEMENT OF CONTINGENT AND LIMITING CONDITIONS CONCERNING THE PREPARATION AND USE OF WATER RESOURCE PROTECTION PLAN

Prepared by Timberland Resource Consultants

1. This Water Resource Protection Plan has been prepared for the property within APN 220-292-015 in Humboldt County, at the request of the Client.
2. Timberland Resource Consultants does not assume any liability for the use or misuse of the information in this Water Resource Protection Plan.
3. The information is based upon conditions apparent to Timberland Resource Consultants at the time the inspection was conducted, and as disclosed to Timberland Resource Consultants by the landowner and/or Discharger. Changes due to land use activities or environmental factors occurring after this inspection, have not been considered in this Water Resource Protection Plan.
4. Maps, photos, and any other graphical information presented in this report are for illustrative purposes. Their scales are approximate, and they are not to be used for locating and establishing boundary lines.
5. The conditions presented in this Water Resource Protection Plan may differ from those made by others or from changes on the property occurring after the inspection was conducted. Timberland Resource Consultants does not guarantee this work against such differences.
6. Timberland Resource Consultants did not conduct an investigation on a legal survey of the property.
7. Persons using this Water Resource Protection Plan are advised to contact Timberland Resource Consultants prior to such use.
8. Timberland Resource Consultants will not discuss this report or reproduce it for anyone other than the Client named in this report without authorization from the Client.



Jack Henry
Timberland Resource Consultants

Attachments

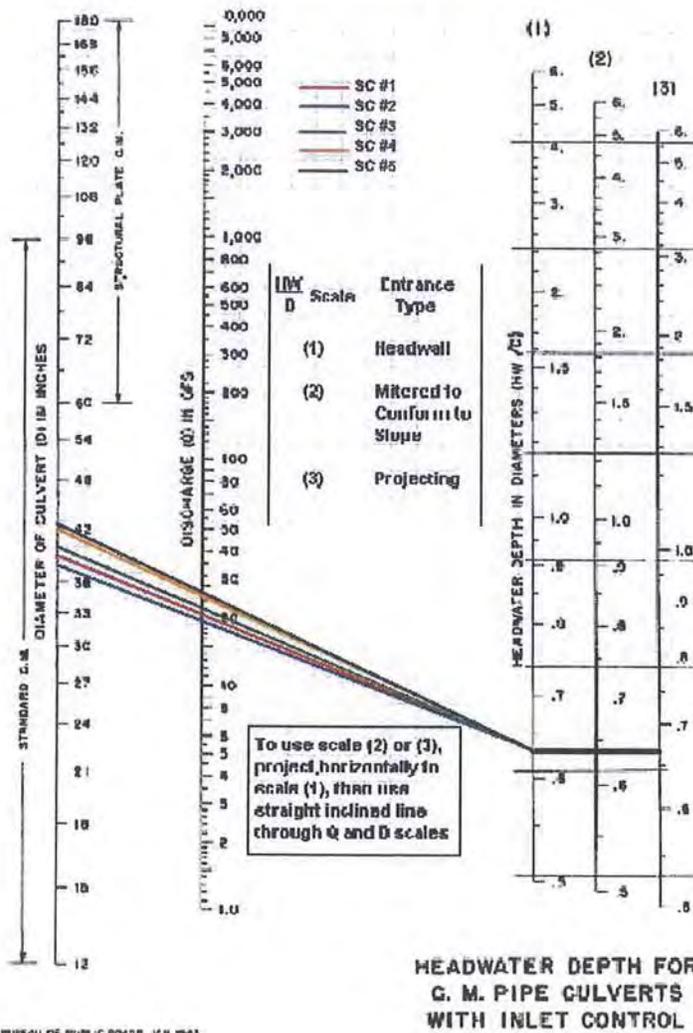
Best Management Practices, Diagrams, Supplemental Information

Culvert Sizing Rational

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

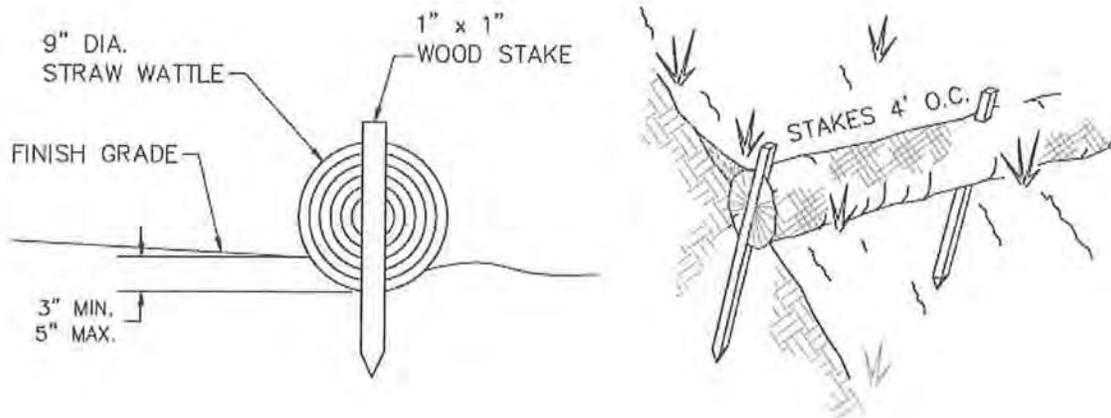
$T_c = 60((11.9 \times L^3)/H)^{0.385}$				$Q_{100} = CIA$			
Crossing	Channel length (to top of basin) (mi) L	Elevation difference (ft) H	Concentration time (min) T_c	Runoff coefficient C	100-year Return-Period Precipitation (in/hr) I*	Area (acres) A	100-yr flood flow (cfs) Q₁₀₀
1				0.35	3.06	19.42	20.8
2				0.35	3.06	17.93	19.2
3				0.35	3.06	20.5	22.0
4				0.35	3.06	25	26.8
5				0.35	3.06	25.9	27.7

Norman Nomograph

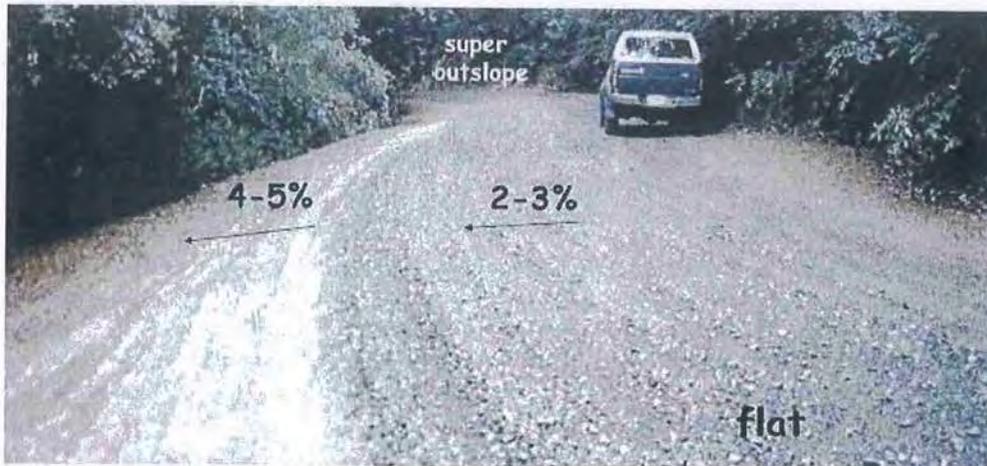


BMP: Erosion Control

- Erosion control and sediment detention devices and materials shall be incorporated into the cleanup/restoration work design and installed prior to the end of project work and before the beginning of the rainy season. Any continuing, approved project work conducted after October 15 shall have erosion control works completed up-to-date and daily.
- Erosion control materials shall be, at minimum, stored on-site at all times during approved project work between May 1 and October 15.
- Approved project work within the 5-year flood plain shall not begin until all temporary erosion controls (straw bales or silt fences that are effectively keyed-in) are installed downslope of cleanup/restoration activities.
- Non-invasive, non-persistent grass species (e.g., barley grass) may be used for their temporary erosion control benefits to stabilize disturbed slopes and prevent exposure of disturbed soils to rainfall.
- Upon work completion, all exposed soil present in and around the cleanup/restoration sites shall be stabilized within 7 days.
- Soils exposed by cleanup/restoration operations shall be seeded and mulched to prevent sediment runoff and transport.
- Straw Wattles (if used) shall be installed with 18 or 24 inch wood stakes at four feet on center. The ends of adjacent straw wattles shall be abutted to each other snugly or overlapped by six inches. Wattles shall be installed so that the wattle is in firm contact with the ground surface.



BMP: Road Shaping – Outsloping



HANDBOOK FOR FOREST, RANCH, AND RURAL ROADS

FIGURE 29. Road shape changes as the road travels through the landscape. For example, an out-sloped road will have a steep or "banked" outslope through inside curves, a consistent outslope through straight reaches and a flat or slightly insloped shape as it goes through an outside curve. The road may have an outslope of 2-3% across the travel surface while the shoulder is more steeply outsloped to ensure runoff and sediment will leave the roadbed.

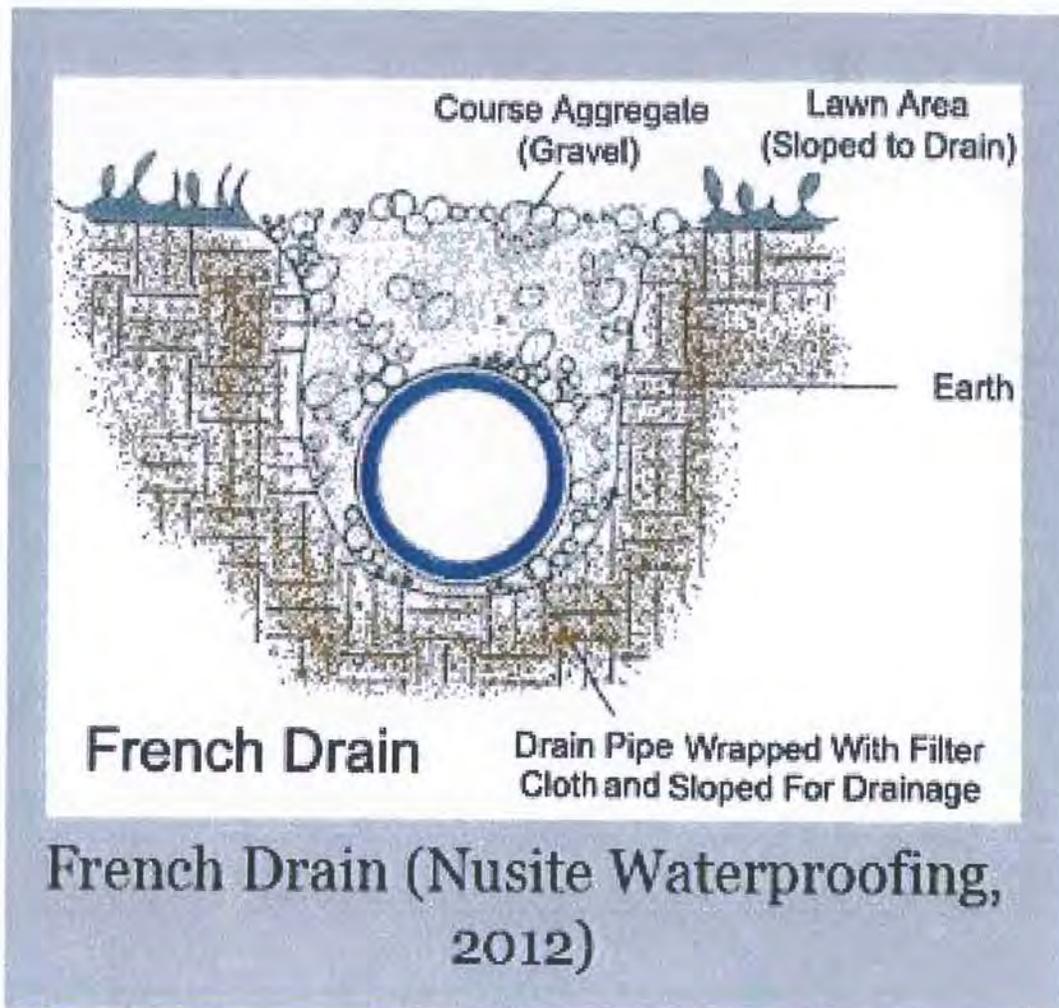
FIGURE 29. Well built, outsloped road displaying minimum cut, smooth free draining surface, and no outside berm. The road contours the topography and its rolling grade and rolling dips disperse surface runoff.



HANDBOOK FOR FOREST, RANCH, AND RURAL ROADS

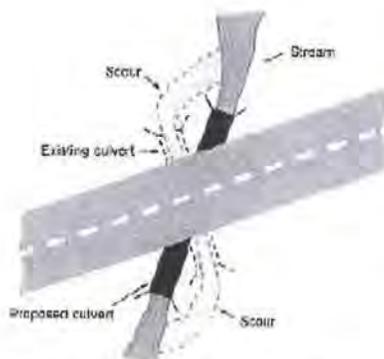
BMP: French Drain System

- Trench dimensions should be minimum 8 inches wide by 18 inches deep
- Set trench grade to a maximum 12:1/4 inches or minimum 12:1/8 inches (h:v)
- Line trench with filter fabric and allow slack to cover the top of the trench
- Lay base layer of coarse aggregate at least 1 inch thick
- Install minimum 4" diameter perforated pipe
 - Ensure perforations are pointing DOWN for correct function
 - Do not use corrugated pipe as it catches sediment and eventually clogs the system quicker
 - Optional: Install vertical "clean-out" at the beginning of each pipe. These vertical access points allow for easy maintenance of the system. Ensure they are above grade and capped to prevent sediment entry.
- Fill trench with coarse aggregate leaving 2 inches of freeboard within trench
- Use slack fabric to completely enclose gravel and pipe with filter fabric
- For surface water drainage, cover remaining 2" of trench with coarse aggregate. For groundwater drainage, cover remaining 2" of trench with loosely packed fill
- Outlet runoff at safe location where concentrated flows will not destabilize slopes or cause sediment delivery to a watercourse. Use Tee caps, rocked catchments, and/or native plantings to dissipate energy when necessary.



BMP: Permanent Culvert Crossing

- New culvert installations shall be sized to accommodate flows associated with a 100-year storm event.
- If the new culvert is replacing a poorly installed old culvert, the crossing may need to be abandoned to the following standard:
 - When fills are removed they shall be excavated to form a channel that is as close as feasible to natural watercourse grade and orientation, and that is wider than the natural channel.
 - Excavated banks shall be laid back to a 2:1 (50%) or natural slope.
- New culverts shall be placed at stream gradient, or have downspouts, or have energy dissipaters at outfall.
 - Align culverts with the natural stream channel orientation to ensure proper function, prevent bank erosion, and minimize debris plugging. See Figure 97 below.
 - Place culverts at the base of the fill and at the grade of the original streambed or install a downspout past the base of the fill. Downspouts should only be installed if there are no other options.
 - Culverts should be set slightly below the original stream grade so that the water drops several inches as it enters the pipe.
 - Culvert beds should be composed of rock-free soil or gravel, evenly distributed under the length of the pipe.
 - Compact the base and sidewall material before placing the pipe in its bed.
 - Lay the pipe on a well-compacted base. Poor basal compaction will cause settling or deflection in the pipe and can result in separation at a coupling or rupture in the pipe wall.
 - Backfill material should be free of rocks, limbs, or other debris that could dent or puncture the pipe or allow water to seep around the pipe.
 - Cover one end of the culvert pipe, then the other end. Once the ends are secure, cover the center.
 - Tamp and compact backfill material throughout the entire process, using water as necessary for compaction.
 - Backfill compacting will be done in 0.5 – 1.0 foot lifts until 1/3 of the diameter of the culvert has been covered.
 - Push layers of fill over the crossing to achieve the final design road grade, road fill above the culvert should be no less than one-third to one-half the culvert diameter at any point on the drivable surface.
- Critical dips shall be installed on culvert crossings to eliminate diversion potential. Refer to Figure 84 below.
- Road approaches to crossings shall be treated out to the first drainage structure (i.e. waterbar, rolling dip, or hydrologic divide) to prevent transport of sediment.
- Road surfaces and ditches shall be disconnected from streams and stream crossings to the greatest extent feasible. Ditches and road surfaces that cannot be feasible disconnected from streams or stream crossings shall be treated to reduce sediment transport to streams.
- If downspouts are used, they shall be secured to the culvert outlet and shall be secure on fill slopes.
- Culverts shall be long enough so that road fill does not extend or slough past the culvert ends.
- Inlet of culverts, and associate fill, shall be protected with appropriate measures that extend at least as high as the top of the culvert.
- Outlet of culverts shall be armored with rock if road fill sloughing into channel can occur.
- Armor inlets and outlets with rock, or mulch and seed with grass as needed (not all stream crossings need to be armored).
- Where debris loads could endanger the crossing, a debris catchment structure shall be constructed upstream of the culvert inlet.
- Bank and channel armoring may occur, when appropriate, to provide channel and bank stabilization.



HANDBOOK FOR FOREST, RANCH AND RURAL ROADS

FIGURE 97. Culvert alignment should be in relation to the stream and not the road. It is important that the stream enters and leaves the culvert in a relatively straight horizontal alignment so streamflow does not have to turn to enter the inlet or discharge into a bank as it exits. This figure shows a redesigned culvert installation that replaces the bending alignment that previously existed. Channel turns at the inlet increase plugging potential because wood going through the turn will not align with the inlet. Similarly, channel turns at the inlet and outlet are often accompanied by scour against the channel banks (Wisconsin Transportation Information Center, 2004).

BMP: Permanent Culvert Crossing (Cont.)

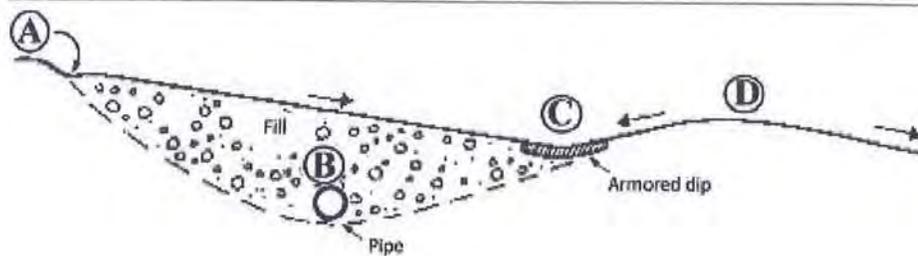
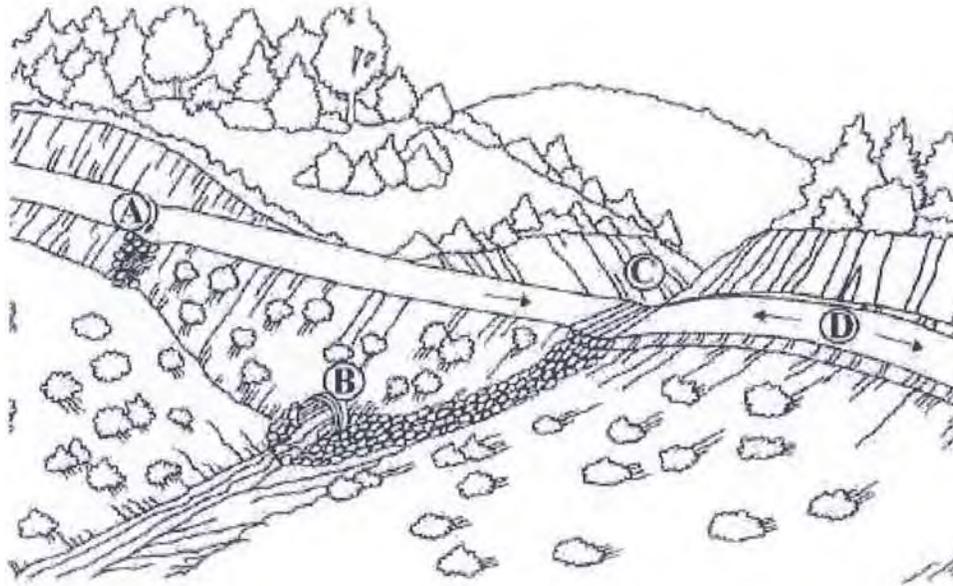


FIGURE 84. Critical dips or dipped crossing fills should be centered near a stream crossing's down-road hinge line, not over the centerline of the crossing where overtopping could cause washout or severe erosion of the fill. If the stream crossing culvert (B) plugs, water will pond behind the fill until reaching the critical dip or low point in the crossing (C) and flowing back down into the natural stream channel. The down-road ditch must be plugged to prevent streamflow from diverting down the ditch line. For extra protection in this sketch, riprap armor has been placed at the critical dip outfall and extending downslope to the stream channel. This is only required or suggested on stream crossings where the culvert is highly likely to plug and the crossing fill overtopped. The dip at the hinge line is usually sufficient to limit erosional damage during an overtopping event. Road surface and ditch runoff is disconnected from the stream crossing by installing a rolling dip and ditch relief culvert just up-road from the crossing (A) (Keller and Sherar, 2003).

BMP: Permanent Culvert Crossing (Cont.)

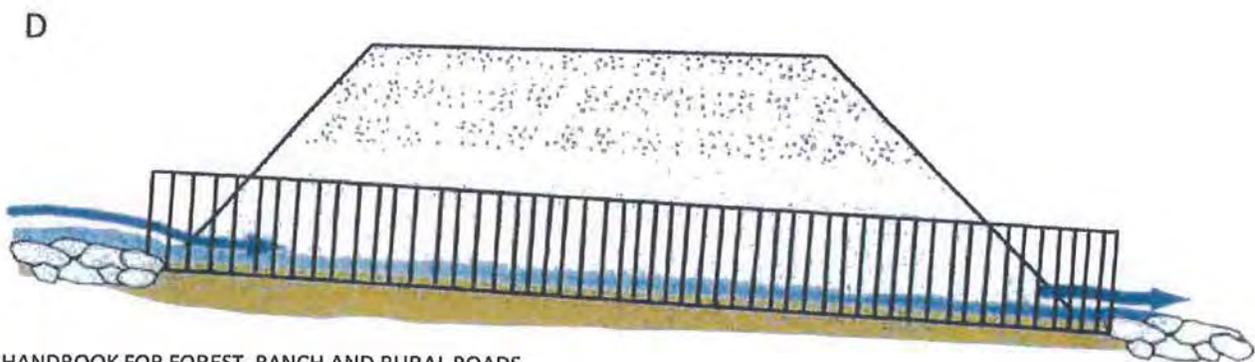
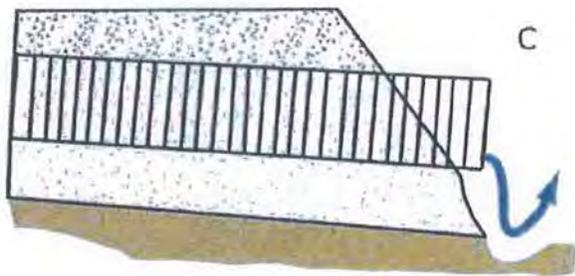
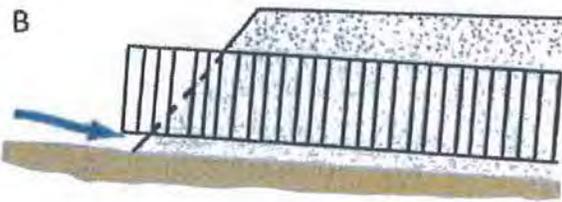
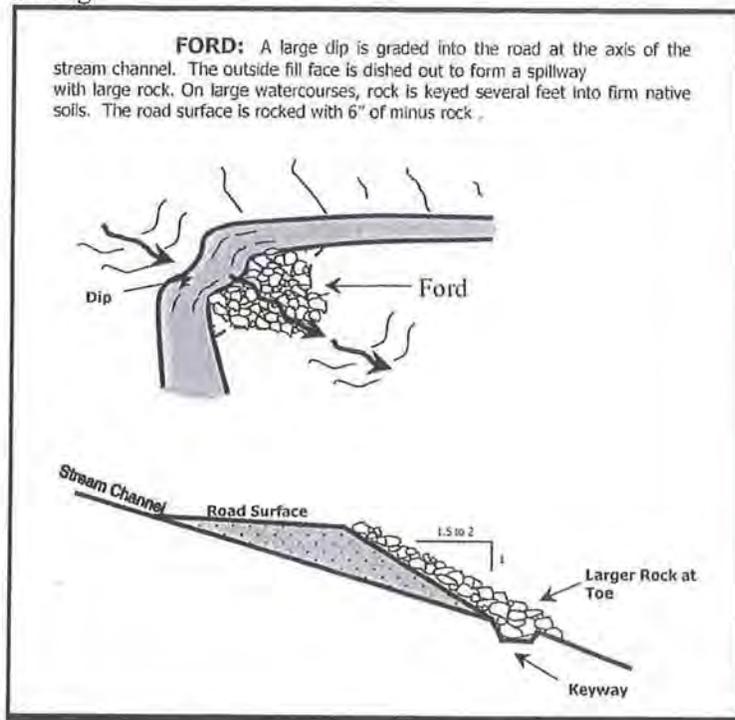


FIGURE 155. Proper culvert installation involves correct culvert orientation, setting the pipe slightly below the bed of the original stream, and backfilling and compacting the fill as it is placed over the culvert. Installing the inlet too low in the stream (A) can lead to culvert plugging, yet if set too high (B) flow can undercut the inlet. If the culvert is placed too high in the fill (C), flow at the outfall will erode the fill. Placed correctly (D), the culvert is set slightly below the original stream grade and protected with armor at the inlet and outlet. Culverts installed in fish-bearing stream channels must be inset into the streambed sufficiently (>25% embedded) to have a natural gravel bottom throughout the culvert (Modified from: MDSL, 1991).

BMP: Rocked Ford

- Rocked fords are drainage structures designed to carry watercourses across roads with little to no erosion of the road surface or fill.
- Fords constructed in-channel shall be of appropriately sized material that shall withstand erosion or displacement by expected velocities and placed in a broad, U-shaped channel to create a drivable crossing.
 - The road shall dip into and out of the rocked ford to minimize diversion potential. Construct a broad rolling dip across the roadbed, centered at the crossing, which is large enough to contain the expected 100-yr flood discharge while preventing flood flow from diverting down the road or around the rock armor.
- The road surface at the ford shall be constructed with clean rock. The rock shall be applied to a minimum depth of 6 inches.
- A range of interlocking rock armor sizes should be selected and sized so that peak flows will not pluck or transport the armor off the roadbed or the sloping fill face of the armored fill.
- The ford's outlet shall be rock armored to resist downcutting and erosion.
 - *Excavate the keyway and armored area* - Excavate a two to three foot deep "bed" into the dipped road surface and adjacent fillslope (to place the rock in) that extends from approximately the middle of the road, across the outer half of the road, and down the outboard road fill to where the base of the fill meets the natural channel. At the base of the fill, excavate a keyway trench extending across the channel bed.
 - *Armor the basal keyway* - Put aside the largest rock armoring to create the buttresses. Use the largest rock armor to fill the basal trench and create a buttress at the base of the fill. This should have a "U" shape to it and it will define the outlet where flow leaves the armored fill and enters the natural channel.
 - *Armor the fill* - Backfill the fill face with the remaining rock armor making sure the final armor is unsorted and well placed, the armor is two coarse-rock layers in thickness, and the armored area on the fill face also has a "U" shape that will accommodate the largest expected flow.
 - *Armor the top of the fill* - Install a second trenched buttress for large rock at the break-in-slope between the outboard road edge and the top of the fill face.
- Road approaches to rocked fords shall be rock surfaced out to the first drainage structure (i.e. waterbar, rolling dip, or hydrologic divide) to prevent transport of sediment using rock.
- Bank and channel armoring may occur when appropriate to provide channel and bank stabilization.
- Road approach rock and rock ford armoring shall be reapplied following use as needed to maintain a permanent crossing.



BMP: Rocked Ford Crossing (Cont.)



FIGURE 121D. Well graded rock armor is then backfilled into the structure and spread across the breadth of the U-shaped stream crossing, and about one-third the way up the roadbed, so that streamflow will only flow over or come in contact with resistant armor material. The armor must be spread and compacted across the design width of the expected flood flow channel width so peak flows will not flank the armored structure.



FIGURE 121E. Two weeks after this armored fill was constructed, a storm flow event occurred and the structure maintained its function and integrity. The road approaches had not yet been compacted or surfaced with road rock.



FIGURE 121F. The same armored fill as it appeared after the first winter flood flows. No maintenance was required to reopen the road. It is also clear that no stream diversion is possible at this stream crossing site, and the volume of fill within the crossing has been reduced to the minimum amount needed to maintain a relatively smooth driving surface on this low volume road.

Prescribed Seed Mix

Native Erosion (Perennial and Annual) Control Mix

1. <i>Bromus carinatus</i> /California Brome	25
2. <i>Hordeum brachyantherum</i> /Meadow Barley	10
3. <i>Vulpia microstachys</i> /Three Weeks Fescue	6
4. <i>Trifolium wildenovii</i> /Tomcat Clover	4
	45 lbs./acre

- Hydroseeded adjacent to riparian corridors.
- Worked well for erosion control on bare slopes
- Successful establishment of seed mix except for the *Trifolium*.
- Not sure of the longevity of seed mix, *Holcus lanatus* (Velvet grass) and *Anthoxanthum odoratum* (Sweet vernal) beginning to occur within seeded area.
- Seed mix obtained from Pacific Coast Seed located in Livermore, California

