



APPS# 12357

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	Gean Afanasieff			
Business/Agency				
Mailing Address	P.O Box 488			
City, State, Zip	Fortuna, CA, 95540			
Telephone	(707) 317-5214	Fax		
Email	geanfed@yahoo.com			

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

Name	Prairie Moore			
Street Address	1435 3rd Street			
City, State, Zip	Eureka, CA, 95501			
Telephone	707-442-1735	Fax		
Email	pmoore@nrmcorp.com			

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

Name				
Street Address				
City, State, Zip				
Telephone		Fax		
Email				

### 4. PROJECT NAME AND AGREEMENT TERM

A. Project Name		Gean A. 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)	
2017	2022			



## 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: _____
E.	<input checked="" type="checkbox"/> Routine Maintenance (Attachment D)	
F.	<input type="checkbox"/> Remediation of Marijuana Cultivation Sites (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	Terrace #1	>\$5,000	561
2	*Culvert Replacement 24" (Orig LSA #2)	>\$5,000	paid
3	Fill Crossing / Ford	>\$5,000	561
4	Culvert Replacement 30"	>\$5,000	561
5	Culvert Replacement 12"	>\$5,000	561
6	*Culvert Replacement 36" (Orig LSA #1)	>\$5,000	paid
7	Culvert Replacement 12"	>\$5,000	561
8	Culvert Replacement 24"	>\$5,000	561
9	Spring (Orig LSA #3)	>\$5,000	paid
10			
		D. Base Fee (if applicable)	
		E. TOTAL FEE*	\$3366

\* Cash, check, and Visa or MasterCard payments are accepted. When payment is made by Visa or MasterCard, the "Total Fee Enclosed" must include an additional credit card processing fee of 1.6%. Credit card payment must be submitted with a completed Credit Card Payment Authorization Form (DFW 1443b (Rev. 8/15)) available online at: <https://www.wildlife.ca.gov/Conservation/LSA/Forms> or at a Department regional office.



## 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?		
<input checked="" type="checkbox"/> Yes (Provide the information below) <input type="checkbox"/> No		
Applicant	Notification Number	Date
Gean Afanasieff		
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?		
<input type="checkbox"/> No <input type="checkbox"/> 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.)		
<input type="checkbox"/> 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)				
40102 State Highway 36 Bridgeville, CA 95526  See attached map for project location - The project is on the East side of Highway 36 on a private gated road just past mile marker 38.08				
<input type="checkbox"/> Continued on additional page(s)				
B. River, stream, or lake affected by the project.		Unnamed Tributary		
C. What water body is the river, stream, or lake tributary to?		Van Duzen River		
D. Is the river or stream segment affected by the project listed in the state or federal Wild and Scenic Rivers Acts?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		
E. County	Humboldt			
F. USGS 7.5 Minute Quad Map Name	G. Township	H. Range	I. Section	J. ¼ Section
Larabee Valley	1N	5E	7	SE
<input type="checkbox"/> Continued on additional page(s)				
K. Meridian (check one)	<input checked="" type="checkbox"/> Humboldt <input type="checkbox"/> Mt. Diablo <input type="checkbox"/> San Bernardino			
L. Assessor's Parcel Number(s)				
210-191-051, 210-191-052, 210-191-008				
<input type="checkbox"/> Continued on additional page(s)				



<b>M. Coordinates (If available, provide at least latitude/longitude or UTM coordinates and check appropriate boxes)</b>			
<b>Latitude/Longitude</b>	<i>Latitude: See Attached</i>		<i>Longitude: See Attached</i>
	<input type="checkbox"/> Degrees/Minutes/Seconds	<input type="checkbox"/> Decimal Degrees	<input type="checkbox"/> Decimal Minutes
<b>UTM</b>	<i>Easting:</i>	<i>Northing:</i>	<input type="checkbox"/> Zone 10 <input type="checkbox"/> Zone 11
<b>Datum used for Latitude/Longitude or UTM</b>		<input type="checkbox"/> NAD 27	<input 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 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 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 checked="" type="checkbox"/>
Water diversion with facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify):	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 attached.

☐ Continued on additional page(s)

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

Backhoe and excavator

☐ 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 attached Project Descriptions (10a)

☐ 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
Annual Grass	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)

☐ 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

The Van Duzen River is known to support Coho Salmon, Chinook Salmon and Steelhead

☐ 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 BIOS

☐ 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.

Project timing will be when surface flow is absent. Post construction, grass seed and rice straw mulch will be placed on exposed surface soils. As necessary, straw wattles may be used to contain sediment movement on fill faces. Road surface rock will be placed on watercourse crossing approaches to stabilize surface sediment.

☐ Continued on additional page(s)

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

Timing of the project when surface flow is absent, and described erosion control measures installed on exposed soils and trail surfaces.

☐ Continued on additional page(s)

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

Mitigation measures include grass seed and rice straw mulch to be placed on exposed surface soils, rip rap rock armoring around culvert inlets and outlets, critical dips placed on the road surface over watercourse crossings, road surface rocking of the approaches to watercourse crossings, hydrologically disconnecting the crossing sites with disconnect dips placed on both sides of watercourse crossings, and retention of as much existing riparian vegetation as possible.

☐ 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. Appendix D RWQCB Cannabis Order ☒ Applied ☐ Issued
- B. \_\_\_\_\_ ☒ Applied ☐ Issued
- C. \_\_\_\_\_ ☒ Applied ☐ Issued
- D. Unknown whether ☐ local, ☐ State, or ☐ federal permit is needed for the project. (Check each box that applies)

☐ Continued on additional page(s)

### 14. ENVIRONMENTAL REVIEW

A. Has a 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.)

☐ Notice of Exemption

☐ Mitigated Negative Declaration

☐ NEPA document (type): \_\_\_\_\_

☐ Initial Study

☐ Environmental Impact Report

☐ Negative Declaration

☐ Notice of Determination (Enclose)

☐ THP/ NTMP

☐ Mitigation, Monitoring, Reporting Plan

B. State Clearinghouse Number (if applicable) \_\_\_\_\_

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 \_\_\_\_\_

E. Contact Person \_\_\_\_\_

F. Telephone Number \_\_\_\_\_

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).

☐ 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*) Prairie Moore  
at (*insert telephone number*) 707-442-1735 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.

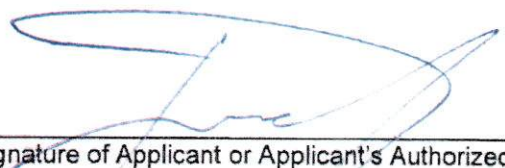
### 16. DIGITAL FORMAT

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.

  
\_\_\_\_\_  
Signature of Applicant or Applicant's Authorized Representative

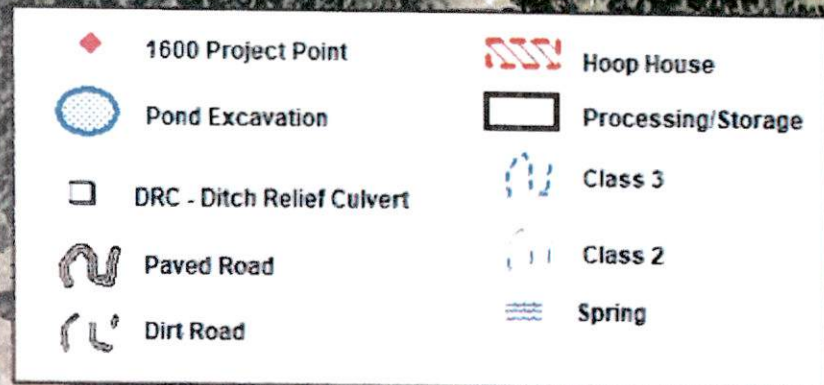
06.22.2017  
\_\_\_\_\_  
Date

Gean Afanasieff  
\_\_\_\_\_  
Print Name



APNs 210-191-052,  
210-191-51, & 210-191-08  
USGS Larabee Valley Quad  
T1N, R5E Section 7 & 8, HB&M

NORTH



0 400 800  
feet



### **Section 8m**

Project 1- Terrace #1: 40.475921, -123.645664  
Project 2- Culvert Replacement (24"): 40.475622, -123.653596  
Project 3- Ford / Fill Crossing: 40.474785, -123.647136  
Project 4- Culvert Replacement (30"): 40.4765, -123.648273  
Project 5- Culvert Replacement (12"): 40.476559, -123.648981  
Project 6- Culvert Replacement (36"): 40.47568, -123.649869  
Project 7- Culvert Replacement (12"): 40.47663, -123.652403  
Project 8- Culvert Replacement (24"): 40.474785, -123.645508  
Project 9- Spring Diversion: 40.476383, -123.649829

### **Section 10a**

#### **Project 1**

Project 1 is the restoration of a portion of an existing terrace which may have truncated a class 3 stream. The watercourse had questionable flow during a rain event in early April, but did show collection (puddles). The crenulation terminates at a recent cutbank along the back edge of the terrace. No flow was seen reaching the terrace on this date, but some mitigation seems appropriate to keep potential concentrated flow from interacting with terrace cultivation. Establishing a connection between the class 3 terminus and the broad, low-gradient swale off the northern edge of the terrace is one potential treatment. It is probable that this connection never occurred naturally. An alternative, and our preferred treatment, is to create an infiltration zone at the current terminus that would prevent any potential interaction with the terrace, and protect water quality here. Either treatment will require approximately 300 square feet of disturbance to unvegetated ground.



Project 1. Truncated Class 3 stream. Looking Upstream.

Project 2 (Original LSA Project 2)

Project 2 is currently a 24" plastic culvert that was recently installed. Unfortunately, the existing culvert was improperly installed: the culvert has a change in grade and a crease midway through the crossing. Moreover, CulvertQ analysis recommends a 30" culvert at this location to accommodate the predicted  $Q=100$  flow volume. The new CMP should be placed at a steeper grade, on a uniform surface. Rock armor should be applied at the inlet. The culvert replacement will disturb approximately 120 square feet of channel. No vegetation will be disturbed at this site.





Project 2. 24" Corrugated Plastic Culvert, Looking Downstream.



Project 2. Corrugated Plastic Culvert inlet, Looking Downstream.

### Project 3

Project 3 is currently a fill crossing. The existing drainage structure is a topographic low. There is no diversion potential here, but there is a small amount of potential future erosion: 3-4 yd<sup>3</sup> based on 2 ft. knick point downstream. Recommended improvement of this crossing is to excavate from the knick point to upstream of the road and apply coarse rock to road section of excavation. Channel disturbance at this site will be approximately 60 ft<sup>2</sup>. Grass will be the only vegetation disturbed.



Project 3. Fill Crossing, Looking Toward Right Bank.



Project 3. Fill Crossing, Looking Toward Left Bank.



#### Project 4

Project 4 is currently a 30" plastic culvert on a Class 2 stream. The CMP appears to be undersized based on the size of bedload, the width of the stream, and the small woody debris collected at the inlet. The pipe also has water flowing out underneath the culvert outlet, evidence of compromised function. Moreover, CulvertQ analysis recommends a 36" culvert at this location to accommodate the predicted  $Q=100$  flow volume. Therefore, this crossing will be upgraded to a 36" CMP installed at grade, with rock armor applied at the inlet. Channel Disturbance at this site will be approximately 120 ft<sup>2</sup>.



Project 4. Corrugated Plastic Culvert inlet, Looking Downstream.

#### Project 5

Project 5 is currently a 12" CMP. At first glance, this appears to be a Ditch Relief Culvert; upon closer inspection, there is a small stream upslope of the road which drains about 0.45 acres. The culvert shotguns at the outlet, then becomes sheet flow on the slope below. CulvertQ analysis recommends an 18" culvert at this location to accommodate the predicted  $Q=100$  flow volume. This crossing will be upgraded to an 18" CMP. Channel disturbance at this site will be approximately 60 ft<sup>2</sup>.

#### Project 6 (Original LSA Project 1) 40.47568, -123.649869

Project 6 is currently a 36" plastic culvert that was recently installed. CulvertQ analysis predicts that this culvert is properly sized for the  $Q=100$  flow event. Unfortunately, the existing culvert was improperly installed: the culvert has a change in grade and a crease midway through the crossing. The CMP also shotguns at the outlet. This culvert will be replaced/reset to grade with a proper coupler and a smooth

uniform bedding surface. Channel Disturbance at this site will be approximately 120 ft<sup>2</sup>. No vegetation disturbance will occur at this site.

#### Project 7

Currently, Project 7 is a rusted, compromised, 12" culvert on a Class 3 stream. The road has not been used in many years and there is an abundance of wetland indicator vegetation (juncis) in the area around and past the stream crossing. This crossing should be upgraded with an 18" culvert. We recommend, however, that the 12" culvert be removed and the crossing be restored to mimic the natural channel conditions. Moreover, 2 waterbars should be installed on the left road approach to eliminate the road tread contribution to this stream. Bare dirt areas will be seeded with native grass. Channel Disturbance at this site will be approximately 200 ft<sup>2</sup>.



Project 7. From road left; Looking road right. Person in Axis of Crossing. Stream flow from right to left.

#### Project 8

Project 8 is currently a 24" Corrugated Plastic Culvert on a Class 2 stream. This culvert also looks new, but has problems. The inlet is partially crushed, the outlet is eroding the right bank at high flow, and CulvertQ analysis recommends a 30" culvert to accommodate the predicted  $Q=100$  flow volume at this location. This crossing will be upgraded with a 30" CMP set to grade, with armor at the inlet and at the right bank of the outlet. Channel Disturbance at this site will be approximately 150 ft<sup>2</sup>.





Project 8. Looking downstream at inlet.

Project 9 (Spring 1: 40.476383, -123.649829) Original LSA Project 3

Project 9 is an existing spring diversion on parcel 210-191-051. This spring is used as the domestic water source for this property and is diverted at a rate of approximately 300 gallons is per day.

## OTHER POINTS

Work Point 1 (Pond Excavation: 40.474430, -123.647769)

Currently, Work Point 1 is a partial Pond Excavation. This excavation was started and then the site was evaluated to be a poor location for a pond due to its proximity to a Class 3 stream. Our recommendation is that this hole be filled back in with the berm material. The area should be recontoured to mimic the original topography and all bare soil seeded with native grass.

Work Point 2 (Terrace #2: 40.476404, -123.648537)

At upslope of Terrace 2, there is a productive spring daylighted in the inboard ditch. Currently this input flows approximately 90' feet to a class 2 stream at Project 4. The ditch shows little to zero sediment production, but appeared marginal in carrying capacity for a very large flow event. The treatment here will be to improve the ditch by deepening and widening it and applying rock to eliminate post-treatment sediment production.

Work Point 3 (Terrace #3: 40.476609, -123.649906)

Surface water, in the form of sheet flow, enters the terrace from upslope and concentrates in the ditch, where it is carried around the terrace perimeter and exits as a concentrated flow at the northwest corner of the terrace. The setting at this terrace has been determined to be unviable for cultivation. The treatment here will be to restore the terrace by recovering the sidecast fill and recontouring the slope to mimic the pre-disturbance topography. The result of this project will restore the natural sheet flow and/or infiltration conditions at this site.

Spring #2 (40.476609, -123.649906)

Spring #2 is located at the prominent cutbank of Terrace #3. There is a short section of plastic culvert placed vertically at the base of the cutbank. There are also two buried polylines that lead in different directions: one line goes west and daylights at the fillslope of the terrace access road; the other goes north and daylights where the terrace ditch flow exits over the northwest corner of the terrace. Both polylines have valves.

The owner believes this was installed and used by the past owner to drain water off the flat form the cutback. The "spring" only produces water during the rainy season.

# Existing Culvert Information and Culvert Size Recommendation

Number of  
Records  
Imported

ID#	Existing Culvert (D) Diameter	Headwall (HW) Height	HW/D	Selected Discharge	Q100	Culvert Capacity	Is Culvert	Recommended Culvert Diam.	Recommendation
	(in)	(in)	(ratio)	Method	(cfs)	(cfs)	Undersized?	(in)	Based On
Project 2	24	36	1.5	Rational	17	12	TRUE	30	Q100
Project 3	0	0	0.0	Rational	18	0	TRUE	30	Q100
Project 4	30	30	1.0	Rational	30	20	TRUE	36	Q100
Project 5	12	12	1.0	Rational	0	0	TRUE	18	Q100
Project 6	36	36	1.0	Rational	32	32		36	Q100
Project 7	12	12	1.0	Rational	5	0	TRUE	18	Q100
Project 8	24	40	1.7	Rational	13	12	TRUE	30	Q100



Applicant Name: Gean Afanasieff

Project Name: Culvert upgrades

## ATTACHMENT E

### Remediation of Marijuana Cultivation Sites

Complete this attachment *if* the primary purpose of the project is to remediate a marijuana cultivation site and submit the attachment with the notification form (DFW 2023) and fee in Section IV. "Remediate" means to perform work that reduces or eliminates the direct and indirect adverse impacts on fish and wildlife and their habitat caused by a project or activity the Department views as unlawful.

#### I. ORDER OR NOTICE

Are you required to perform the work described in the notification pursuant to a court or administrative agency notice or order?

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

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

☒ Yes (Enclose a copy of the NOV) ☐ No

#### II. ORDINANCE OR PERMIT

What is the name of the town/city and county where the marijuana cultivation site that requires remediation is located?

Town/City: \_\_\_\_\_ County: Humboldt

Does the town/city or county named above have a rule, ordinance, or other regulation or law that governs or otherwise regulates the cultivation of marijuana within its boundaries?

☐ Yes: Town/City ☒ Yes: County ☐ No ☐ Unknown

Are you required to have a permit or some other type of written authorization (permit) from the city/town and/or county named above to cultivate marijuana within the city/town and/or county?

☒ Yes (Enclose a copy of the permit) ☐ No ☐ Unknown

#### III. REMEDIATION AREA

Identify the total size of the remediation area in square feet. To calculate the total size of the remediation area, calculate each area that requires any type of remediation and add each area together to calculate the total area.

Remediation area in total: 1130 square feet



#### IV. FEE

Submit the applicable fee below based on the total size of the remediation area. The remediation fee is in addition to the notification fee and **must** be submitted by **separate** check or other method of payment (Cal. Code Regs., tit. 14, § 699.5, subd. (i)(3)(A)).

☐ \$3,000 if the total remediation area is less than or equal to 1,000 square feet

☒ \$5,000 if the total remediation area is greater than 1,000 square feet

#### V. REMEDIATION PLAN

Has a plan to remediate the area(s) been completed?

☐ Yes (Enclose the plan)

☒ No

*Note: If "yes" is checked, the remediation plan **must** be enclosed with the notification. If "no" is checked, or the Department determines the remediation plan enclosed with the notification is inadequate or incomplete, the Department may require you to have a licensed engineer or qualified environmental consultant amend the plan or submit a new plan for your notification to be complete.*

Have you consulted with or retained a licensed engineer or environmental consultant to address your Cannabis cultivation?

☒ Yes (Provide the information below)

☐ No

Name of Company	Name of Engineer or Consultant	Business Telephone
NRM	Greg Gibbs	707-442-1735

#### VI. WATER SUPPLY

How is water supplied to the marijuana cultivation site(s) that require remediation?

☐ Diversion, obstruction, extraction, or impoundment of a river, stream, or lake.

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

☒ Spring(s).

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

☐ Private well(s).

*If this box is checked, provide well log information with this attachment.*

☐ Public water system.

*Name of public water system: \_\_\_\_\_*

☐ Water hauling.

*Name of water hauler: \_\_\_\_\_*

☐ Other.

*Specify: \_\_\_\_\_*

☐ Continued on additional page(s)



State of California – Natural Resources Agency  
**DEPARTMENT OF FISH AND WILDLIFE**  
Region 1 - Northern  
619 2nd Street  
Eureka, CA 95501  
(707) 441-2075  
[www.wildlife.ca.gov](http://www.wildlife.ca.gov)

**EDMUND G. BROWN, Jr., Governor**  
**CHARLTON H. BONHAM, Director**



April 27, 2017

**Certified Mail:**

#7017 0660 0000 0381 6610

Mr. Gean Afanasieff  
P.O. Box 488  
Redway, CA 95560

**Subject: Notice of Violation of Fish and Game Code Section 1602 in Conjunction with Marijuana Cultivation**

Dear Mr. Afanasieff:

On November 18, 2016, Department of Fish and Wildlife (Department) staff visited your parcels (APN# 210-191-51, 210-191-52, and 210-191-08) located in the Van Duzen River watershed in Humboldt County. During this visit, Department staff observed the activities described below, which is subject to Fish and Game Code (FGC) Section 1602. Staff also observed evidence of marijuana cultivation in conjunction with this activity.

- Substantial diversion of water from tributaries to the Van Duzen River.
- Substantial alteration of a Class II stream that had been diverted to an inside ditch to avoid a newly graded terrace utilized for marijuana cultivation.
- Installation of two new culverts without any permits.
- Diversion of a Class III stream around a graded terrace utilized for marijuana cultivation.

Fish and Game Code (FGC) Section 1602 requires a person to submit a written notification to the Department **before**: 1) substantially diverting or obstructing the natural flow of a river, stream, or lake; 2) substantially changing the bed, channel, or bank of a river, stream, or lake; 3) using any material from the bed, channel, or bank of a river, stream, or lake; and/or 4) depositing or disposing of debris, waste, material containing crumbled, flaked, or ground pavement where it may pass into a river, stream, or lake. Hence, any person who engages in an activity subject to FGC Section 1602 without first notifying the Department violates Section 1602.

In the Department's view, notification under FGC Section 1602 was required because these activities substantially changed the bed, bank, and channel of streams, obstructed flow, and diverted water from tributaries to the Van Duzen River. However, the Department was unable to locate a notification for this

*Conserving California's Wildlife Since 1870*



Mr. Gean Afansieff  
April 27, 2017  
Page 2 of 3

activity prior to the activities.

A person who violates FGC Section 1602 in conjunction with the cultivation or production of marijuana is subject to significant penalties or fines. Specifically, the Department may impose civil penalties administratively against any person found by the Department to have violated this FGC section in connection with the production or cultivation of marijuana following a complaint and, if requested, a hearing.

The Department may request a maximum civil penalty of \$8,000 for each violation of FGC Section 1602. Each day the violation occurs or continues to occur constitutes a separate violation. (Fish & G. Code, § 12025, subds. (b)(1)(A), (2); (e).) Also, the District Attorney or the Attorney General may enforce a violation of FGC Section 1602 civilly. Specifically, under FGC sections 1615, a person who violates FGC Section 1602 is subject to a maximum civil penalty of \$25,000 for each violation. The District Attorney or the Attorney General may also enforce a violation of FGC Section 1602 criminally. Under FGC Section 12000, each violation is a misdemeanor.

As a first step to address this matter, the Department requests you contact Senior Environmental Scientist Specialist David Manthorne at 707-441-5900 or [david.manthorne@wildlife.ca.gov](mailto:david.manthorne@wildlife.ca.gov) within 14 days of the date of this letter. Mr. Manthorne may propose certain actions to protect fish and wildlife resources that have been or could be affected by the activities described above, and may ask you to submit a written notification and fee for the activities. While the Department, District Attorney, or Attorney General may still decide to initiate an enforcement action against you if they determine these activities are in violation of FGC Section 1602, we encourage you to respond to this notice so that we may better assess the activity and limit any damage to resources.

The Department appreciates your cooperation.

Sincerely,



Lieutenant Steve White  
Watershed Enforcement Team

cc: California Department of Fish and Wildlife

Steve White, Scott Bauer, Laurie Harnsberger, Curt Babcock, Jeremy Valverde,  
David Manthorne, Josh Zulliger, Matt Wells  
[steve.white@wildlife.ca.gov](mailto:steve.white@wildlife.ca.gov), [scott.bauer@wildlife.ca.gov](mailto:scott.bauer@wildlife.ca.gov),  
[laurie.harnsberger@wildlife.ca.gov](mailto:laurie.harnsberger@wildlife.ca.gov), [curt.babcock@wildlife.ca.gov](mailto:curt.babcock@wildlife.ca.gov),  
[jeremy.valverde@wildlife.ca.gov](mailto:jeremy.valverde@wildlife.ca.gov), [david.manthorne@wildlife.ca.gov](mailto:david.manthorne@wildlife.ca.gov),

Mr. Gean Afansieff  
April 27, 2017  
Page 3 of 3

[josh.zulliger@wildlife.ca.gov](mailto:josh.zulliger@wildlife.ca.gov), [matt.wells@wildlife.ca.gov](mailto:matt.wells@wildlife.ca.gov)

State Water Resources Control Board

Taro Murano

[taro.murano@waterboards.ca.gov](mailto:taro.murano@waterboards.ca.gov)

Northcoast Regional Water Quality Control Board

Diana Henriouille-Henry and Adona White

[diana.henriouille@waterboards.ca.gov](mailto:diana.henriouille@waterboards.ca.gov) , [adona.white@waterboards.ca.gov](mailto:adona.white@waterboards.ca.gov)

Humboldt County Planning and Building Department

Steven Santos, John Ford, Steve Werner, Michelle Nielsen, Robert Russell

[sasantos@co.humboldt.ca.us](mailto:sasantos@co.humboldt.ca.us), [jford@co.humboldt.ca.us](mailto:jford@co.humboldt.ca.us),

[swerner@co.humboldt.ca.us](mailto:swerner@co.humboldt.ca.us), [michelle.nielsen@co.humboldt.ca.us](mailto:michelle.nielsen@co.humboldt.ca.us),

[rrussell@co.humboldt.ca.us](mailto:rrussell@co.humboldt.ca.us)

Property Owner

Denis Gromov

117 Stryker Street

Brooklyn, NY. 11123



FOR DEPARTMENT USE ONLY				
Date Received	Amount Received	Amount Due	Date Complete	Notification No.
	\$	\$		



STATE OF CALIFORNIA  
DEPARTMENT OF FISH AND WILDLIFE  
**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	Gean Afanasieff			
Business/Agency				
Street Address	P.O Box 488			
City, State, Zip	Fortuna, CA, 95540			
Telephone	(707) 317-5214	Fax		
Email				

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

Name	Prairie Moore			
Street Address	1434 3rd Street			
City, State, Zip	Eureka, CA, 95501			
Telephone	(707) 442-1735	Fax	(707) 442-8823	
Email	PMoore@Nrmcorp.com			

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

Name				
Street Address				
City, State, Zip				
Telephone		Fax		
Email				

**4. PROJECT NAME AND AGREEMENT TERM**

A. Project Name				
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)	
2016	2021	May 15th	October 15th	

# NOTIFICATION OF LAKE OR STREAMBED ALTERATION

## 5. AGREEMENT TYPE

Check the applicable box. If box B, C, D, or E 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) <span style="float: right;">Mine I.D. Number: _____</span>
C.	<input type="checkbox"/> Timber Harvesting (Attachment B) <span style="float: right;">THP Number: _____</span>
D.	<input type="checkbox"/> Water Diversion/Extraction/Impoundment (Attachment C) <span style="float: right;">SWRCB Number: _____</span>
E.	<input type="checkbox"/> Routine Maintenance (Attachment D)
F.	<input type="checkbox"/> CDFW Fisheries Restoration Grant Program (FRGP) <span style="float: right;">FRGP Contract Number _____</span>
G.	<input type="checkbox"/> Master
H.	<input type="checkbox"/> Master Timber Harvesting

## 6. FEES

Please 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	CMP1	\$<5,000	245.50
2	CMP2	\$<5,000	245.50
3	(Isolated) Spring Diversion	\$<5,000	245.50
4			
5			
		D. Base Fee (if applicable)	
		E. TOTAL FEE ENCLOSED	736.50

## 7. PRIOR NOTIFICATION OR ORDER

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 an order, notice, or other directive ("order") by a court or administrative agency (including the Department)?

☐ No ☒ Yes (Enclose a copy of the order, notice, or other directive. If the directive is not 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)

# NOTIFICATION OF LAKE OR STREAM BED ALTERATION

## 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)*

See Attached Map. The project is on the East side of Highway 36 on a private gated road just past mile marker 38.08. It is located in the SE quarter section of section 7 of the USGS Larabee Valley 7.5 minute quad map.

☐ Continued on additional page(s)

B. River, stream, or lake affected by the project. **unnamed tributary**

C. What water body is the river, stream, or lake tributary to? **Van Duzen 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

**Larabee Valley**

**1N**

**5E**

**7**

**SE**

☐ Continued on additional page(s)

K. Meridian (check one)

☒ Humboldt

☐ Mt. Diablo

☐ San Bernardino

L. Assessor's Parcel Number(s)

**210-191-51, 210-191-52, 210-191-08**

☐ Continued on additional page(s)

M. Coordinates (If available, provide at least latitude/longitude or UTM coordinates and check appropriate boxes)

Latitude: **40.4766**

Longitude: **-123.6492**

Latitude/Longitude

☐ Degrees/Minutes/Seconds

☒ Decimal Degrees

☐ Decimal Minutes

UTM

Easting: **444971.48**

Northing: **4480859.72**

☒ Zone 10 ☐ Zone 11

Datum used for Latitude/Longitude or UTM

☐ NAD 27

☒ NAD 83 or WGS 84

# NOTIFICATION OF LAKE OR STREAMBED ALTERATION

## 9. PROJECT CATEGORY AND WORK TYPE (Check each box that applies)

PROJECT CATEGORY	NEW CONSTRUCTION	REPLACE EXISTING STRUCTURE	REPAIR/MAINTAIN 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 type="checkbox"/>
Debris basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diversion structure – weir or pump intake	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 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"/>
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"/>
Other (specify):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**10. PROJECT DESCRIPTION**

A. Describe the project in detail. Photographs of the project location and immediate surrounding area should be included.

- Include any structures (e.g., rip-rap, culverts, or channel clearing) that will be placed, built, or completed in or near the stream, river, or lake.
- Specify the type and volume of materials that will be used.
- If water will be diverted or drafted, specify the purpose or use.

Enclose diagrams, drawings, plans, and/or maps that provide all of the following: site specific construction details; the dimensions of each structure and/or extent of each activity in the bed, channel, bank or floodplain; an overview of the entire project area (i.e., "bird's-eye view") showing the location of each structure and/or activity, significant area features, and where the equipment/machinery will enter and exit the project area.

Please see attached project descriptions.

☐ Continued on additional page(s)

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

Excavator

☐ 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

<p>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.</p> <p>Projects 1 and 2 will displace approximately 500-600 square feet and approximately 15 cubic yards of fill from the road prism will be disturbed in the upgrading process.</p> <p><input type="checkbox"/> Continued on additional page(s)</p>		<p>B. Will the project affect any vegetation?</p> <p><input type="checkbox"/> Yes (Complete the tables below) <input type="checkbox"/> No</p>										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">Vegetation Type</th> <th style="width: 30%;">Temporary Impact</th> <th style="width: 30%;">Permanent Impact</th> </tr> <tr> <td>Annual grasses</td> <td>                     Linear feet: _____                      Total area: 500-600 square ft _____                 </td> <td>                     Linear feet: _____                      Total area: _____                 </td> </tr> <tr> <td>Tree Species</td> <td>Number of Trees to be Removed</td> <td>Trunk Diameter (range)</td> </tr> </table> <p><input type="checkbox"/> Continued on additional page(s)</p>		Vegetation Type	Temporary Impact	Permanent Impact	Annual grasses	Linear feet: _____ Total area: 500-600 square ft _____	Linear feet: _____ Total area: _____	Tree Species	Number of Trees to be Removed	Trunk Diameter (range)	<p>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?</p> <p><input checked="" type="checkbox"/> Yes (List each species and/or describe the habitat below) <input type="checkbox"/> No <input type="checkbox"/> Unknown</p> <p>The Van Duzen River is known to support Coho Salmon, Chinook Salmon and Steelhead</p> <p><input type="checkbox"/> Continued on additional page(s)</p>	
Vegetation Type	Temporary Impact	Permanent Impact										
Annual grasses	Linear feet: _____ Total area: 500-600 square ft _____	Linear feet: _____ Total area: _____										
Tree Species	Number of Trees to be Removed	Trunk Diameter (range)										
<p>D. Identify the source(s) of information that supports a "yes" or "no" answer above in Box 11.C.</p> <p style="text-align: right;">CNDDB</p> <p><input type="checkbox"/> Continued on additional page(s)</p>												
<p>E. Has a biological study been completed for the project site?</p> <p><input type="checkbox"/> Yes (Enclose the biological study) <input type="checkbox"/> No</p> <p>Note: A biological assessment or study may be required to evaluate potential project impacts on biological resources.</p>												
<p>F. Has a hydrological study been completed for the project or project site?</p> <p><input type="checkbox"/> Yes (Enclose the hydrological study) <input type="checkbox"/> No</p> <p>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.</p>												

**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.

Project timing will be when surface flow is absent. Post construction, native grass seed and rice straw mulch will be placed on exposed surface soils. As necessary, straw wattles may be used to contain sediment movement on fill faces. Road surface rock will be placed on watercourse crossing approaches to stabilize surface sediment.

☐ Continued on additional page(s)

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

Timing of the project when surface flow is absent, and described erosion control measures installed on exposed soils and trail surfaces.

☐ Continued on additional page(s)

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

Mitigation measures include native grass seed and rice straw mulch to be placed on exposed surface soils, rip rap rock armoring around culvert inlets and outlets, critical dips placed on the road surface over watercourse crossings, road surface rocking of the approaches to watercourse crossings, hydrologically disconnecting the crossing sites with disconnect dips placed on both sides of watercourse crossings, and retention of as much existing riparian vegetation as possible.

☐ 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. Appendix D RWQCB Cannabis Order ☒ Applied ☐ Issued
- B. \_\_\_\_\_ ☐ Applied ☐ Issued
- C. \_\_\_\_\_ ☐ Applied ☐ Issued
- D. Unknown whether ☐ local, ☐ state, or ☐ federal permit is needed for the project. (Check each box that applies)

☐ Continued on additional page(s)

# NOTIFICATION OF LAKE OR STREAMBED ALTERATION

## 14. ENVIRONMENTAL REVIEW

A. Has a draft or final document been prepared for the project pursuant to the California Environmental Quality Act (CEQA), National Environmental Protection Act (NEPA), California Endangered Species Act (CESA) and/or federal Endangered Species Act (ESA)?

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

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Notice of Exemption  | <input 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"/> CESA document (type): _____ |
| <input type="checkbox"/> Negative Declaration | <input type="checkbox"/> Notice of Determination (Enclose)      | <input type="checkbox"/> ESA document (type): _____  |
| <input type="checkbox"/> THP/ NTMP            | <input type="checkbox"/> Mitigation, Monitoring, Reporting Plan |  |

B. State Clearinghouse Number (if applicable)

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

E. Contact Person

F. Telephone Number

G. If the project described in this notification is part of a larger project or plan, briefly describe that larger project or plan.

This project is included in a Water Resource Protection Plan (WRPP) to be enrolled with the NCRWQCB in Santa Rosa for Humboldt County medical cannabis cultivation and processing. WRPP elements include identification of appropriate water use and storage, existing or potential pollutant sources (sediment sources, petroleum, fertilizers, etc.) to area waters, corrective actions and time table, a mitigation and monitoring plan, identification of existing or potential road related water quality issues, waste containment and disposal, and structure assessment. The WRPP requires on-going annual monitoring and reporting to the NCRWQCB.

☐ Continued on additional page(s)

H. Has an environmental filing fee (Fish and Game Code section 711.4) been paid?

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

Note: If a filing fee is required, the Department may not finalize a Lake or Streambed Alteration Agreement until the filing fee is 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) Prairie Moore  
at (insert telephone number) 707-269-1382 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.



# NOTIFICATION OF LAKE OR STREAMBED ALTERATION

## 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.

Signature of Applicant or Applicant's Authorized Representative

Date

08.15.2016

Print Name

Sean Armanakere

Project Descriptions continued from box 10A.

#### Project 1-CMP 1

This project is in the eastern portion of APN 210-191-08, it is shown on the attached map as point 12". An undersized 12" culvert on a class 3 watercourse crossing to be replaced with 24" culvert (See Culv-Q attachment). An undersized 12" culvert on a class 3 watercourse will be replaced with a 24" culvert installed at channel grade. The road surface will be rocked and water bars or rolling dips will be installed to disconnect the road from the water course. Exposed soils within 25' of the watercourse will have sterile rice straw mulch applied at a minimum 2" depth and be seeded with native grass prior to the 2016-17 winter season.

#### Project 2-CMP 2

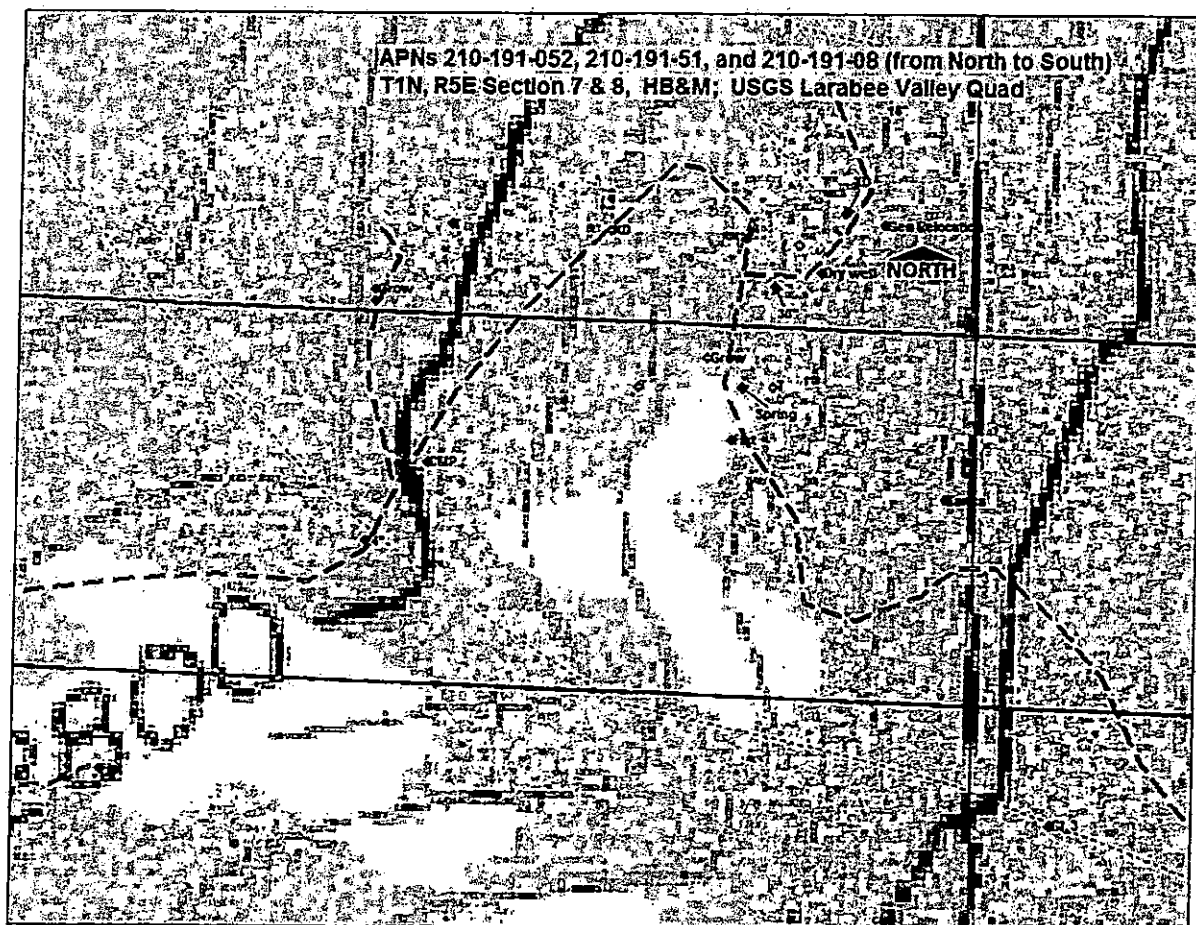
An 18" culvert drains a class 3 watercourse to an inboard ditch on the road leading to the landing on parcel 210-191-52. It is shown on the attached map as point "CMP". It will be replaced with a longer 24" pipe that stays in the channel and does not drain into the in board ditch. The pipe will be installed at channel grade and will maintain flows in the natural channel. The road surface will be rocked and water bars or rolling dips will be installed to disconnect the road from the water course. Exposed soils within 25' of the watercourse will have sterile rice straw mulch applied at a minimum 2" depth and be seeded with native grass prior to the 2016-17 winter season.

#### Project 3- Spring Diversion

There is an existing spring diversion on parcel 210-191-051. It is shown on the attached map as point "Spring". It has no channel formation and no surface connection to any watercourse, hence it is unclear as to whether a 1600 diversion should be required. Please see attached inquiry as to the status of this water source. This spring is used as the domestic water source for this property. Withdrawal from the spring is approximately 300 gallons per day for domestic use. The landowner is working with Baird Engineering to construct a rainwater catchment pond to provide water for irrigation. Current canopy area of cultivation is 27,080 square feet. Irrigation water is provided via water deliveries of 2500-3800 gallons twice a week.

This is an isolated spring. It lacks surface connectivity. It does not flow off the property, hence would not need a Riparian Right. It is the domestic water source for the property. Water for cannabis is currently hauled in on a weekly basis. A rainwater catchment pond is in the design stages. However, does this spring that does not need a water right, require a 1600 permit?

GPS Location:



Two photos of the spring, upslope and down

