F&W, Tribes

State of California – Department of Fish and Wildlife
NOTIFICATION OF LAKE OR STREAMBED ALTERATION
FISH AND GAME CODE SECTION 1602
DFW 2023 (REV. 10/01/16) Page 1

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

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

Complete EACH field, unless otherwise indicated, following the enclosed instructions and submit ALL required enclosures. Attach additional pages, if necessary.

1. APPLICANT PROPOSING PROJECT

Name	TERESA K DAVEY		
Business/Agency			
Mailing Address	PO BOX 83		
City, State, Zip	HONEYDEW, CA, 95545		
Telephone		Fax	
Email			

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	CHRISTOPHER C KING		
Street Address	PO BOX 83		
City, State, Zip	HONEYDEW, CA, 95545		
Telephone		Fax	
Email			

4. PROJECT NAME AND AGREEMENT TERM

A. Project Name		Davey 1600		
B. Agreement Term Requested		☑ Regular (*5 years or less*) ☐ 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*)	

5. AGREEMENT TYPE

Check the applicable box. If box B, C, D, E, or F is checked, complete the specified attachment.	
A.	☑ Standard *(Most construction projects, excluding the categories listed below)*
B.	☐ Gravel/Sand/Rock Extraction (*Attachment A*) *Mine I.D. Number:* _____
C.	☐ Timber Harvesting (*Attachment B*) *THP Number:* _____
D.	☑ Water Diversion/Extraction/Impoundment (*Attachment C*) *SWRCB Number:* _____
E.	☐ Routine Maintenance (*Attachment D*)
F.	☑ Remediation of Marijuana Cultivation Sites (*Attachment E*)
G.	☐ Department Grant Programs *Agreement Number:* _____
H.	☐ Master
I.	☐ Master Timber Operations

6. FEES

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

	A. Project	B. Project Cost	C. Project Fee
1	2 Points of Diversion	<$5,000	$1,122
2	3 Stream Crossings	<$5,000	$1,683
3	<1,000 sq. ft Cannabis Remediation		$3,000
4			
5			
6			
7			
8			
9			
10			
		D. Base Fee *(if applicable)*	
		E. TOTAL FEE*	$5,805

** 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?

☐ 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*)

4414 WILDER RIDGE RD, HONEYDEW, CA, 95545

See attached Location Map.

☐ *Continued on additional page(s)*

B. River, stream, or lake affected by the project.	Class II and Class III watercourses
C. What water body is the river, stream, or lake tributary to?	Honeydew Creek - Mattole 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
Honeydew, CA	3S	1E	20	SW

☐ *Continued on additional page(s)*

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

L. Assessor's Parcel Number(s)

107-261-010 = Crossing 1; 107-261-011 = POD B and Crossing 2 & 3
107-261-022 = POD A

☐ *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:*	
	☐ Degrees/Minutes/Seconds	☑ Decimal Degrees	☐ Decimal Minutes
UTM	*Easting:*	*Northing:*	☐ Zone 10 ☐ Zone 11
Datum used for Latitude/Longitude or UTM	☐ NAD 27	☑ NAD 83 or WGS 84	

9. PROJECT CATEGORY

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

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.

A excavator, dump truck and 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

Anadramous 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, WILDIFE, 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 upgrade and decommissioning, 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 decommissioning 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. Army Permit 4345 ☐ 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*)	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 Coas		
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

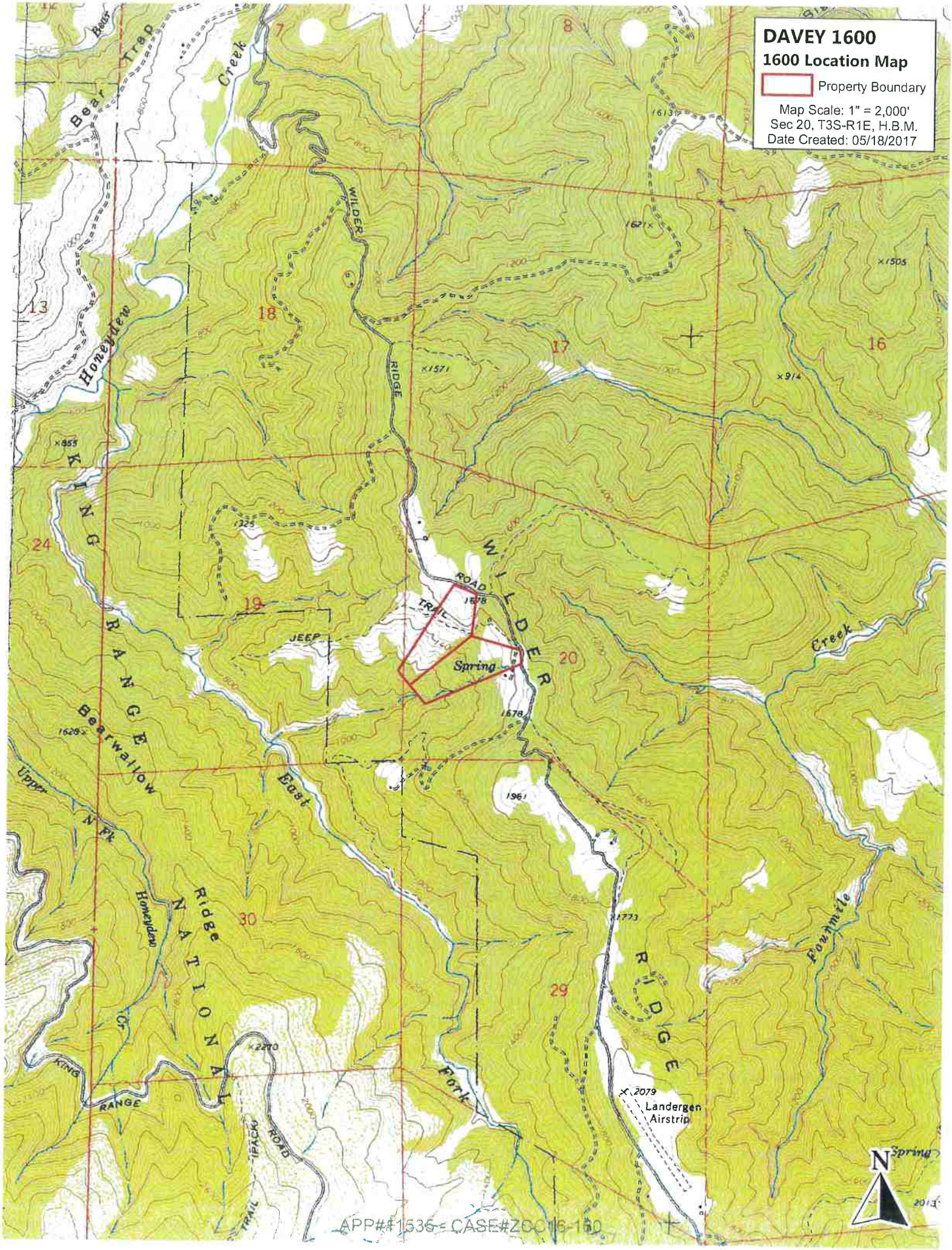
17. SIGNATURE

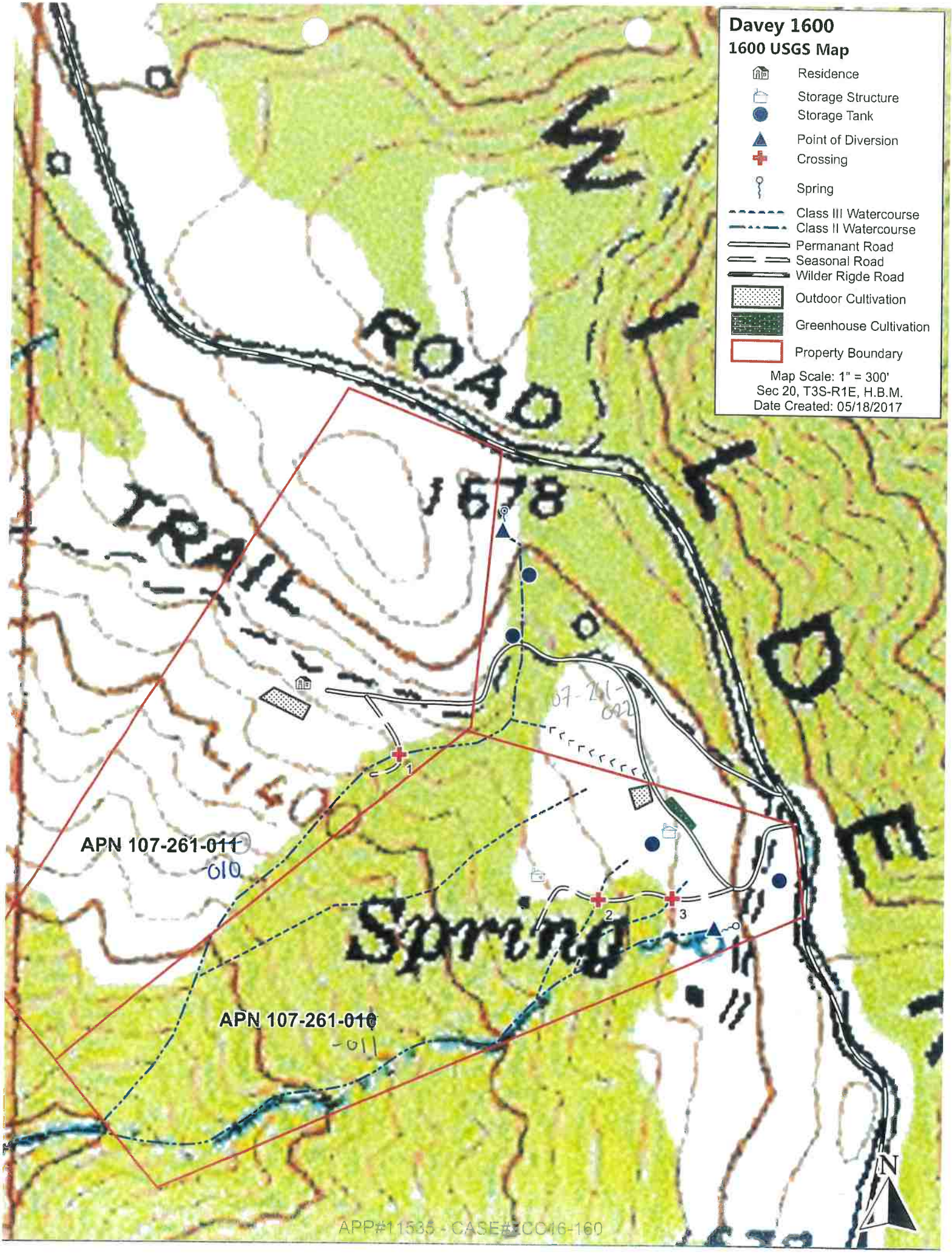
I hereby certify that to the best of my knowledge the information in this notification is true and correct and that I am authorized to sign this notification as, or on behalf of, the applicant. I understand that if any information in this notification is found to be untrue or incorrect, the Department 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

5-29-17
Date

Chris Carroll
Print Name


DAVEY 1600
1600 Location Map
Property Boundary
Map Scale: 1" = 2,000'
Sec 20, T3S-R1E, H.B.M.
Date Created: 05/18/2017
Bear Trap Creek
WILDER RIDGE
Honeydew
KING RANGE NATIONAL
Bearwallow
East
Upper N Fk
Honeydew Ck
Ridge
JEEP TRAIL
ROAD 1678
Spring
WILDER RIDGE
Fourmile Creek
Landergen Airstrip
KING RANGE TRACK ROAD
TRAIL
N
APP#41535 - CASE#ZOC16-150


Davey 1600
1600 USGS Map
Residence
Storage Structure
Storage Tank
Point of Diversion
Crossing
Spring
Class III Watercourse
Class II Watercourse
Permanant Road
Seasonal Road
Wilder Rigde Road
Outdoor Cultivation
Greenhouse Cultivation
Property Boundary
Map Scale: 1" = 300'
Sec 20, T3S-R1E, H.B.M.
Date Created: 05/18/2017
ROAD
TRAIL
1678
1500
Spring
APN 107-261-011
010
APN 107-261-010
011
1
2
3
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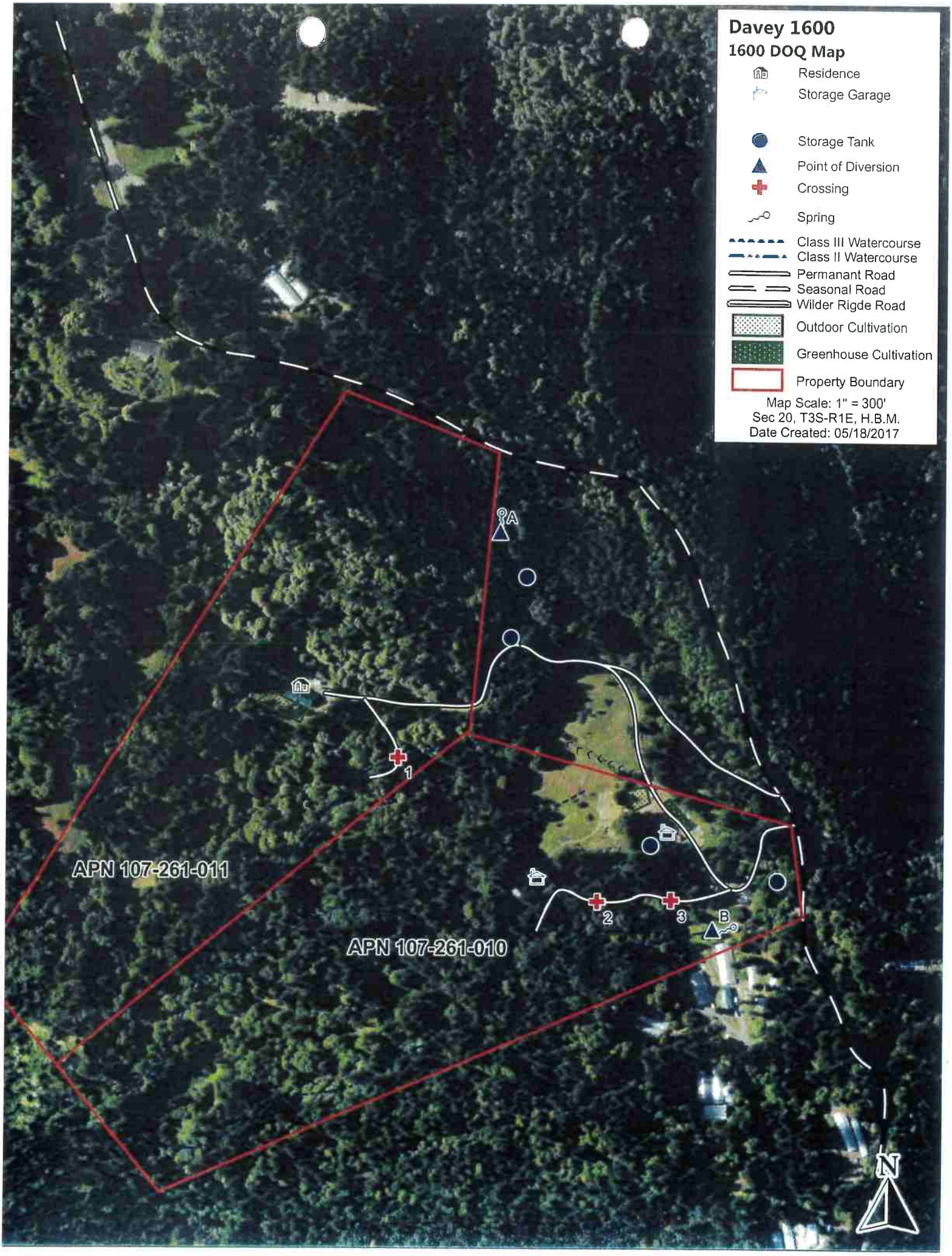

Davey 1600
1600 DOQ Map
Residence
Storage Garage
Storage Tank
Point of Diversion
Crossing
Spring
Class III Watercourse
Class II Watercourse
Permanant Road
Seasonal Road
Wilder Rigde Road
Outdoor Cultivation
Greenhouse Cultivation
Property Boundary
Map Scale: 1" = 300'
Sec 20, T3S-R1E, H.B.M.
Date Created: 05/18/2017
A
1
2
3
B
APN 107-261-011
APN 107-261-010
N

Addendum 8M – Coordinates (NAD 83 DECIMAL DEGREES)

POD A: -123.9747686°; 40.07993898°

POD B: -123.9747686°; 40.07993898°

Crossing #1: -123.9755583°; 40.08164936°

Crossing #2: -123.9756258°; 40.08212467°

Crossing #3: -123.9751267°; 40.08119568°

Addendum 10 – Project Description

POD A: The diversion is a 1" diameter unscreened polyline placed in a spring pool at the head of a Class II watercourse. Surface water is diverted to a 500 gallon and two 2,500-gallon hard plastic storage tanks. Water from these tanks is gravity fed to the residence. 2016 baseline conditions were direct diversion for domestic and agricultural use. Beginning in 2017, the Applicant shall forbear diverting stream flow for agriculture from May 15 to October 15. This notification proposes year round direct diversion at no more than 200 gallons of water a day during the low flow season (May 15 to October 15) of any year.

POD B: The diversion is a 1" diameter unscreened polyline placed in a spring at the head of a Class II watercourse. The diversion gravity feeds a 1,000-gallon cement storage tank and water is pumped uphill via 5.5 hp water pump to a 2,800-gallon hard plastic storage tank. 2016 baseline conditions were direct diversion for agricultural use. Beginning in 2017, the Applicant shall forbear diverting stream flow for agriculture from May 15 to October 15. The Applicant has been advised of the requirement per State Water Code sections 5100 and 1200 et seq. to obtain a Water Appropriation for diversion to storage. This would likely occur in the form of a Small Irrigation Use Registration (once available). A copy of the Initial Statement of Water Diversion and Use for 2016 is attached.

Water Storage and Use: The Applicant is applying for a cultivation permit from Humboldt County for 3,000 ft^2. The Applicant presently has 8,800 gallons of water storage but needs to install additional storage to forbear from diversion from the POD for agricultural use from May 15 to October 15, 2017. We recommend that the Applicant install a water meter and record monthly agricultural water use to determine how much storage is needed. The Applicant shall submit to CDFW a Water Management Plan. The Water Management Plan shall include a brief narrative describing water use on the property, photographs to support the narrative, and water use calculations to ensure compliance with the subsequent Agreement.

Crossing #1: 24-inch diameter by 10-foot long CMP culvert on a Class II watercourse. This crossing is currently sized to pass a 100-year flood but is too short (shot-gunned), not to grade, and not to standard BMP's. However, the landowner no longer uses the crossing and it shall be decommissioned. The decommissioning of the crossing requires the excavation and displacement of approximately 67 cubic yards of fill (15 feet long by 6 feet deep by 20 feet wide) and 300 ft^2 of overall disturbance (15-feet length and 20 feet width). This decommissioning will require the loss of native grasses, forbs, and ferns.

Addendum 10 – Project Description (Cont.)

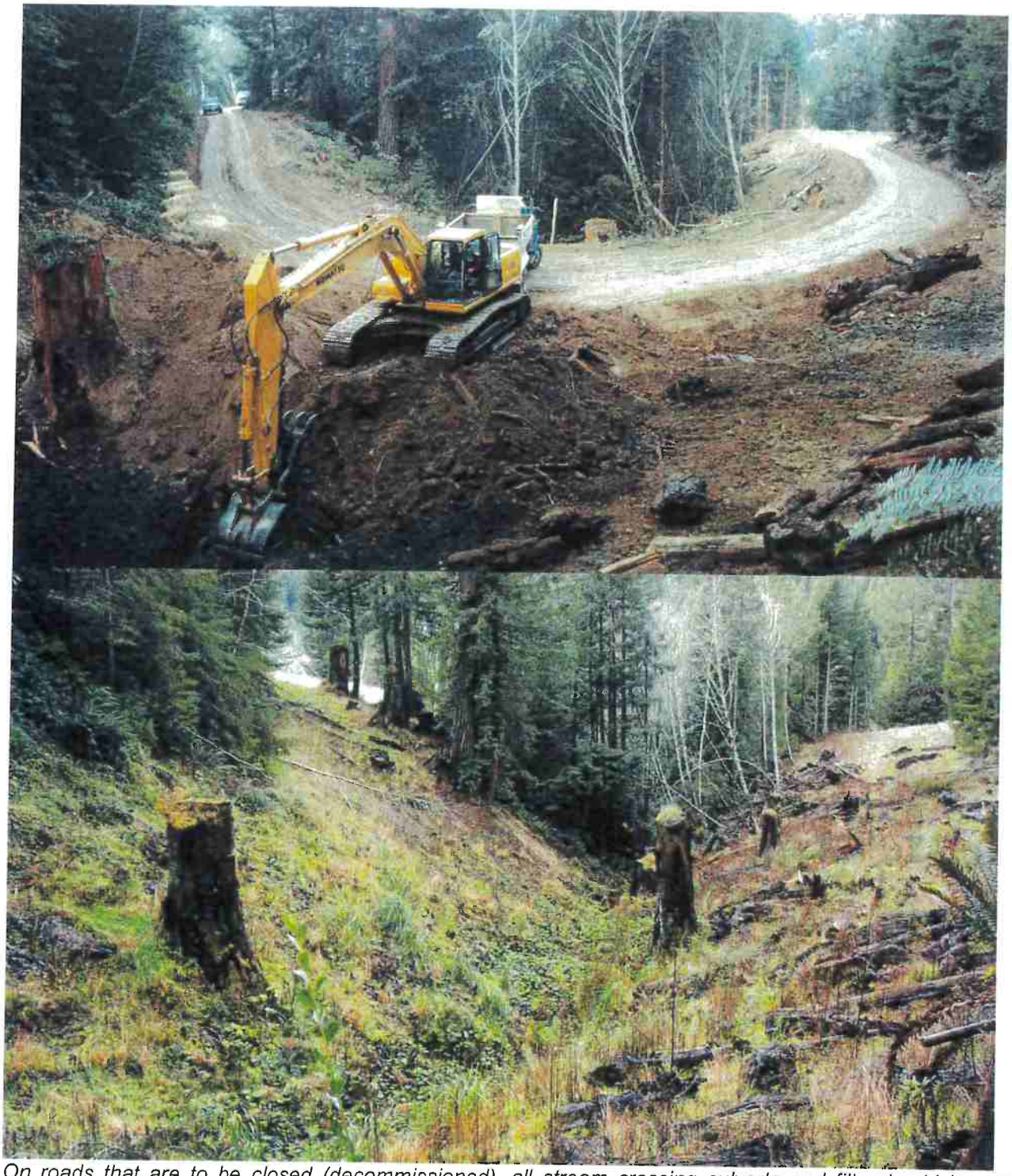
Crossing #2: Dirt ford crossing on a Class III watercourse. This crossing shall be upgraded to a rocked ford per the attached specifications. The installation of the rocked ford shall require the excavation and temporary displacement of approximately 4 cubic yards of fill (10 feet long by 1 foot deep by 12 feet wide) and 120 ft^2 of overall disturbance (10 feet length and 12 feet width). This crossing requires the loss of native grasses and forbs.

Crossing #3: Dirt ford crossing on a Class III watercourse. This crossing shall be upgraded to a rocked ford per the attached specifications. The installation of the rocked ford shall require the excavation and temporary displacement of approximately 4 cubic yards of fill (10 feet long by 1 foot deep by 12 feet wide) and 120 ft^2 of overall disturbance (10 feet length and 12 feet width). This crossing requires the loss of native grasses and forbs.

Remediation Plan

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 will be enrolling (Tier 2) 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.* TRC will be conducting a thorough field assessment to evaluate compliance with the Standard Conditions per Provision I.B of Order No. R1-2015-0023. Based upon my evaluation conducted in association with this notification, the assessment conducted for the preparation of the water resource protection plan is not expected to include any sites that are jurisdictional to CDFW per the California Fish and Game Code Section 1600 that should otherwise be included in this notification. As described above, there are two watercourse crossings that require remediation. The combined disturbance to remediate these sites is 540 ft^2. Per Item II of Attachment E, the Applicant is in the process of preparing an application to be submitted to Humboldt County for Commercial Cultivation, Processing, Manufacturing and Distribution of Cannabis for medical use. The following consultants are working on the county permit: Chris Carroll @ Timberland Resource Consultants.

Permanent Crossing Decommissioning Specifications (Cont.)



On roads that are to be closed (decommissioned), all stream crossing culverts and fills should be removed. Stream crossing excavations are best performed using an excavator. The original channel should be excavated and exhumed down to the former streambed, with a channel width equal or greater than the natural channel above and below the crossing. Sideslopes should be laid back to a stable angle, typically a 2:1 (50%) gradient, or less. Spoils can be endhauled off-site or stored on the road bench adjacent the crossing, provided it is placed and stabilized where it will not erode or fail and deliver to a watercourse.

Permanent Crossing Decommissioning Specifications (Cont.)

- Excavating and removing all fill materials placed in the stream channel when the crossing was originally built.
- Fill material should be excavated to recreate the original channel grade (slope) and orientation.
- The excavated channel bed should be as wide, or slightly wider than, the original watercourse channel.
    - This can be better determined by observing the channel width of the watercourse up slope of crossing to be removed at a point in which the crossing or any other disturbance has not affected the natural channel slope and width.
- If the channel sideslopes were disturbed, they should be graded (excavated) back to a stable angle (generally less than 50% (2:1)) to prevent slumping and soil movement.
- The bare soils should then be mulched, seeded, and planted to minimize erosion until vegetation can protect the surface.

The approaching, hydrologically connected road segments should be cross-road drained to prevent road runoff from discharging across the freshly excavated channel sideslopes.

Rocked Ford Crossing Installation Specifications (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.*

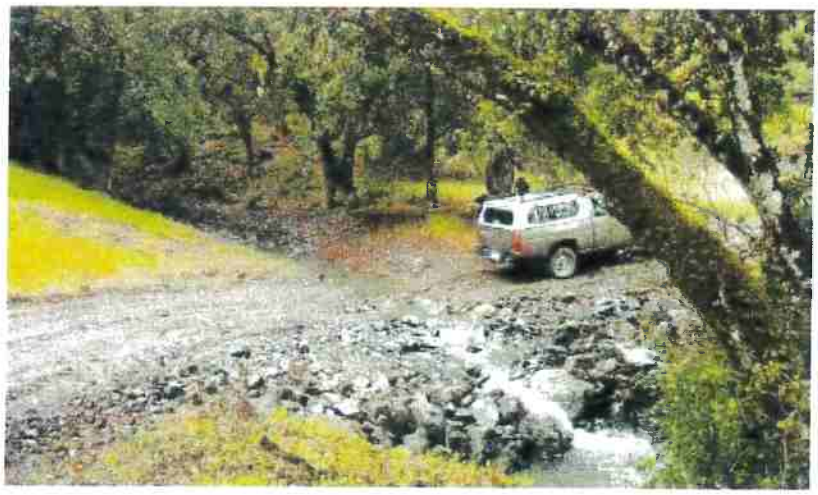
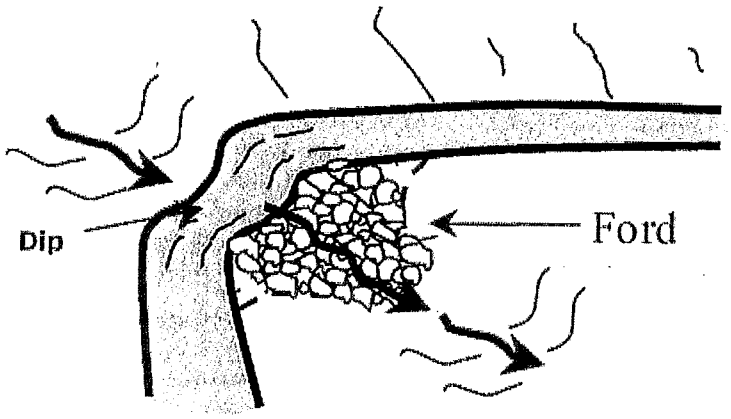
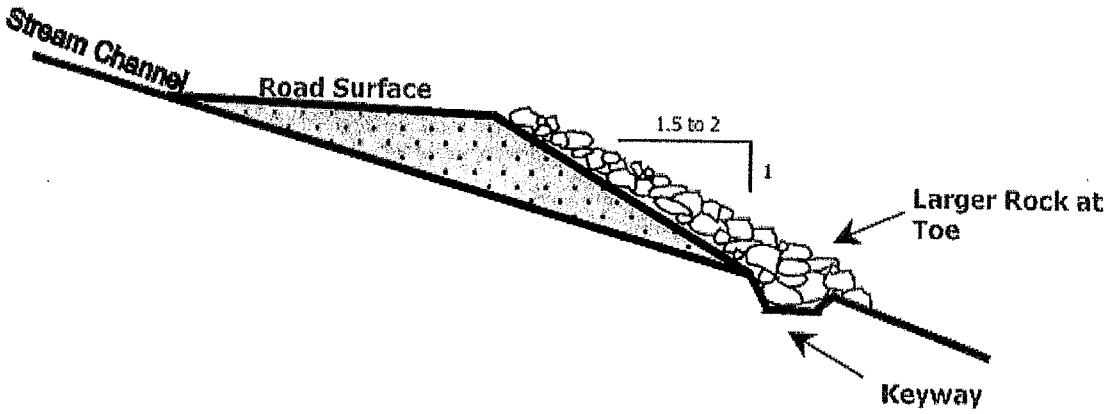


FIGURE 121F. *The same armored fill as it appeared after the first winter flood flows. No maintenance was required to reopen the road. It is also clear that no stream diversion is possible at this stream crossing site, and the volume of fill within the crossing has been reduced to the minimum amount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

Rocked Ford Crossing Installation Specifications (Cont.)

FORD: A large dip is graded into the road at the axis of the stream channel. The outside fill face is dished out to form a spillway with large rock. On large watercourses, rock is keyed several feet into firm native soils. The road surface is rocked with 6" of minus rock .





Applicant Name: TERESA K. DAVEY

Project Name: Davey 1600

ATTACHMENT C

Water Diversion Questionnaire

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 #A Jan 1st	Dec 31st	Domestic	1-4 gpm		54,000
POD #A Jan 1st	May 14th	Agricultural	1-4 gpm		22,500
POD #B Jan 1st	Dec 31st	Domestic	1-4 gpm		54,000
POD #B Jan 1st	May 14th	Agricultural	1-4 gpm		22,500

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

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:

State of California – Department of Fish and Wildlife
NOTIFICATION OF LAKE OR STREAMBED ALTERATION
FISH AND GAME CODE SECTION 1602
DFW 2023E (New 10/01/16) Page 1

Applicant Name: TERESA K. DAVEY

Project Name: Davey 1600

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: Honeydew 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:	540 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)).

- [x] $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*)
- [x] 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?

- [x] Yes (*Provide the information below*)
- [ ] No

Name of Company	Name of Engineer or Consultant	Business Telephone
Timberland Resource Cons.	Chris Carroll	707-725-1897

VI. WATER SUPPLY

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

- [x] Diversion, obstruction, extraction, or impoundment of a river, stream, or lake.
  *If this box is checked, you **must** also complete Attachment C.*
- [x] 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)*

TIMBERLAND RESOURCE CONSULTANTS
165 S. FORTUNA BLVD., SUITE 4
FORTUNA, CA 95540
PH. 707-725-1897

COAST CENTRAL EDIT UNION
90-7224/3211

11395

6/22/2017

PAY TO THE ORDER OF California Dept. of Fish & Wildlife

$ **3,000.00

Three Thousand and 00/100********** DOLLARS

California Dept. of Fish & Wildlife
619 Second Street
Eureka, CA 95501

MEMO

AUTHORIZED SIGNATURE

⑈011395⑈ ⑆321172248⑆ 125400915753⑈

TIMBERLAND RESOURCE CONSULTANTS

11395

California Dept. of Fish & Wildlife

6/22/2017

Davey 1600-Remediation Fee

3,000.00

Coast Central Checkin

3,000.00

TIMBERLAND RESOURCE CONSULTANTS

11395

California Dept. of Fish & Wildlife

6/22/2017

Davey 1600-Remediation Fee

3,000.00

Coast Central Checkin

3,000.00

Addendum 10 – Pictures

Picture 1: Residence. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 2: Two 2,500-gallon hard plastic storage tanks. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 3: 500-gallon hard plastic water storage tank. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 4: POD A in a spring pool at the head of Class II watercourse. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 5: Class II watercourse looking upstream from POD A on the left and looking downstream on the right. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 6: Outdoor cultivation site at APN 107-261-010. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 7: Storage structure where domestic water is used within APN 107-261-011. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 8: POD B. Photo date 5-16-2017.

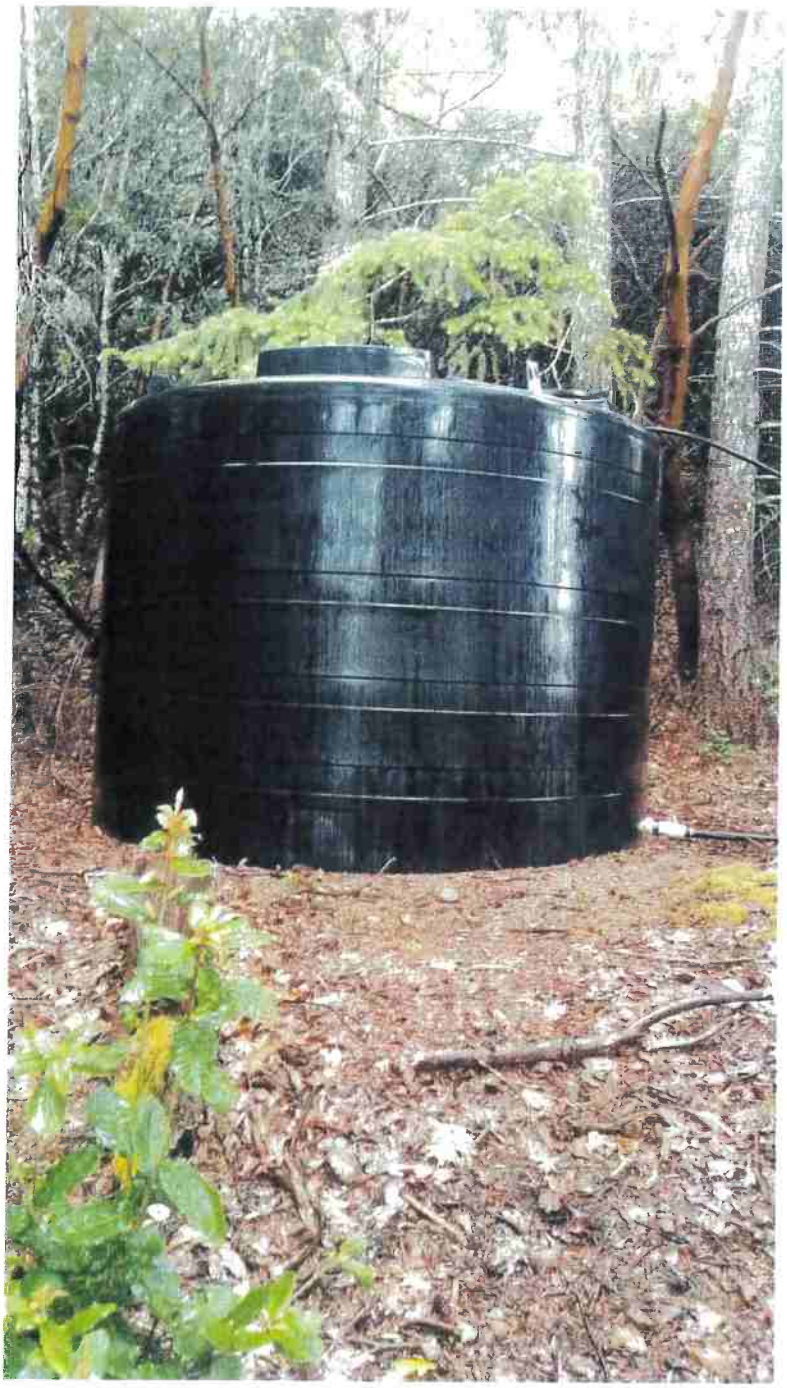
Addendum 10 – Pictures (Cont.)

Picture 9: Spring at the head of a Class II watercourse looking downstream of POD B on the left and looking upstream on the right. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 10: 1,000-gallon cement water storage tank & 5.5 hp water pump. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)



Picture 11: 2,800-gallon hard plastic water storage tank. Photo date 5-16-2017.

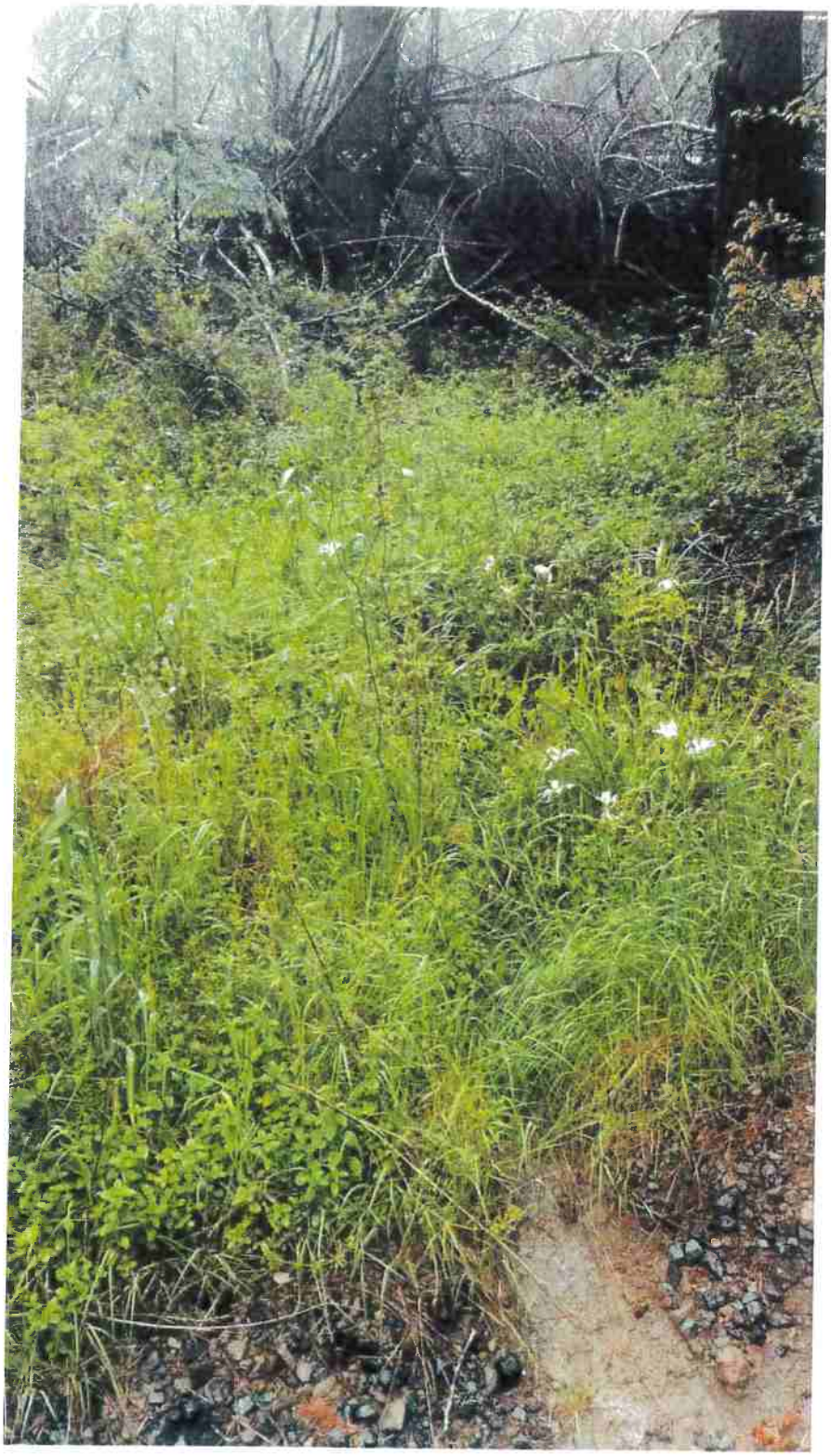
Addendum 10 – Pictures (Cont.)

Picture 12: Crossing #1 inlet. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 13: Crossing #1 outlet. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)



Picture 14: Class III watercourse looking upstream from Crossing #2. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 15: Crossing #2 to be upgraded to a rock ford. Photo date 5-16-2017.

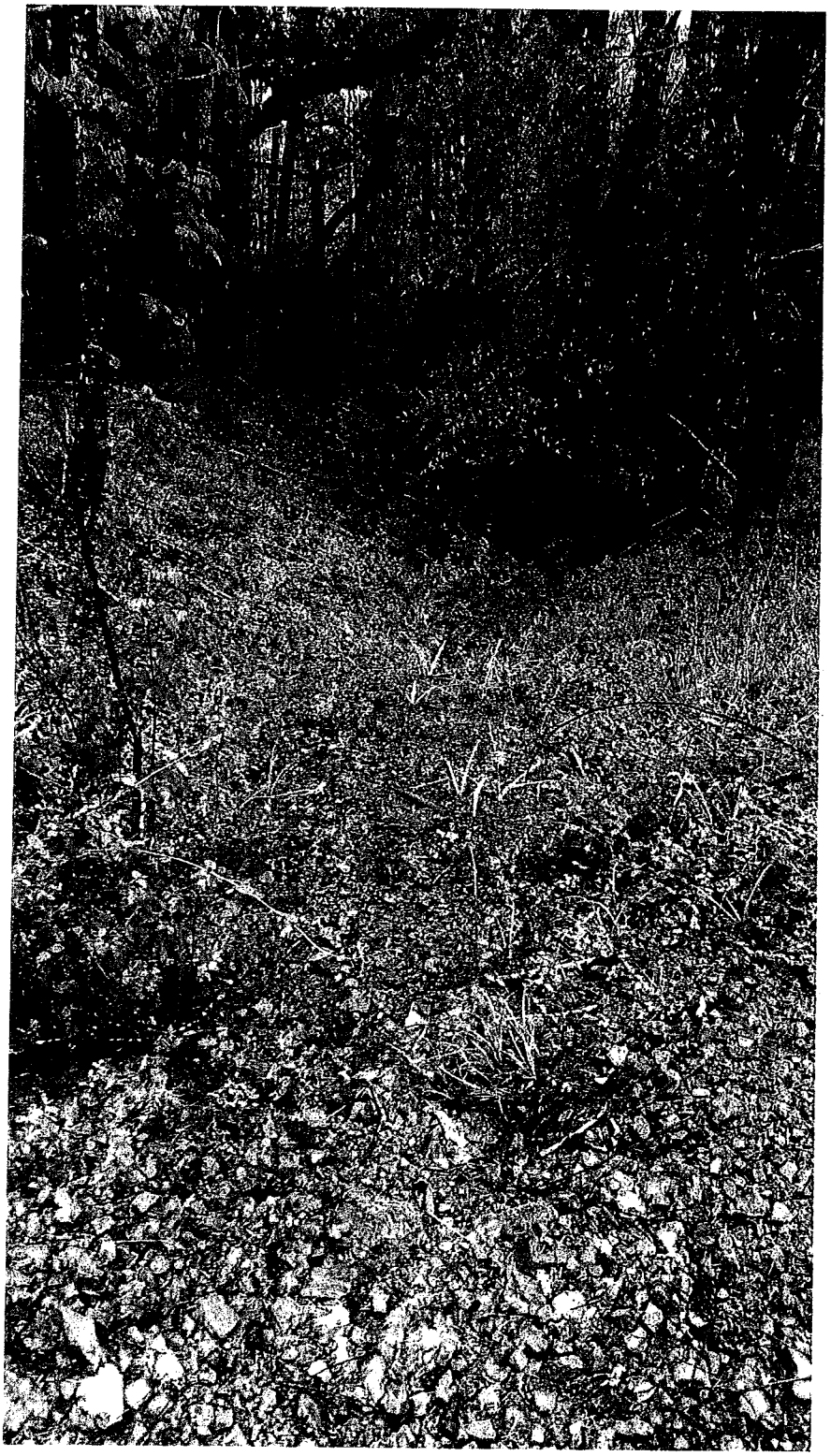
Addendum 10 – Pictures (Cont.)

Picture 16: Class III looking downstream of Crossing #2. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 17: Class III watercourse looking upstream from Crossing #3. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

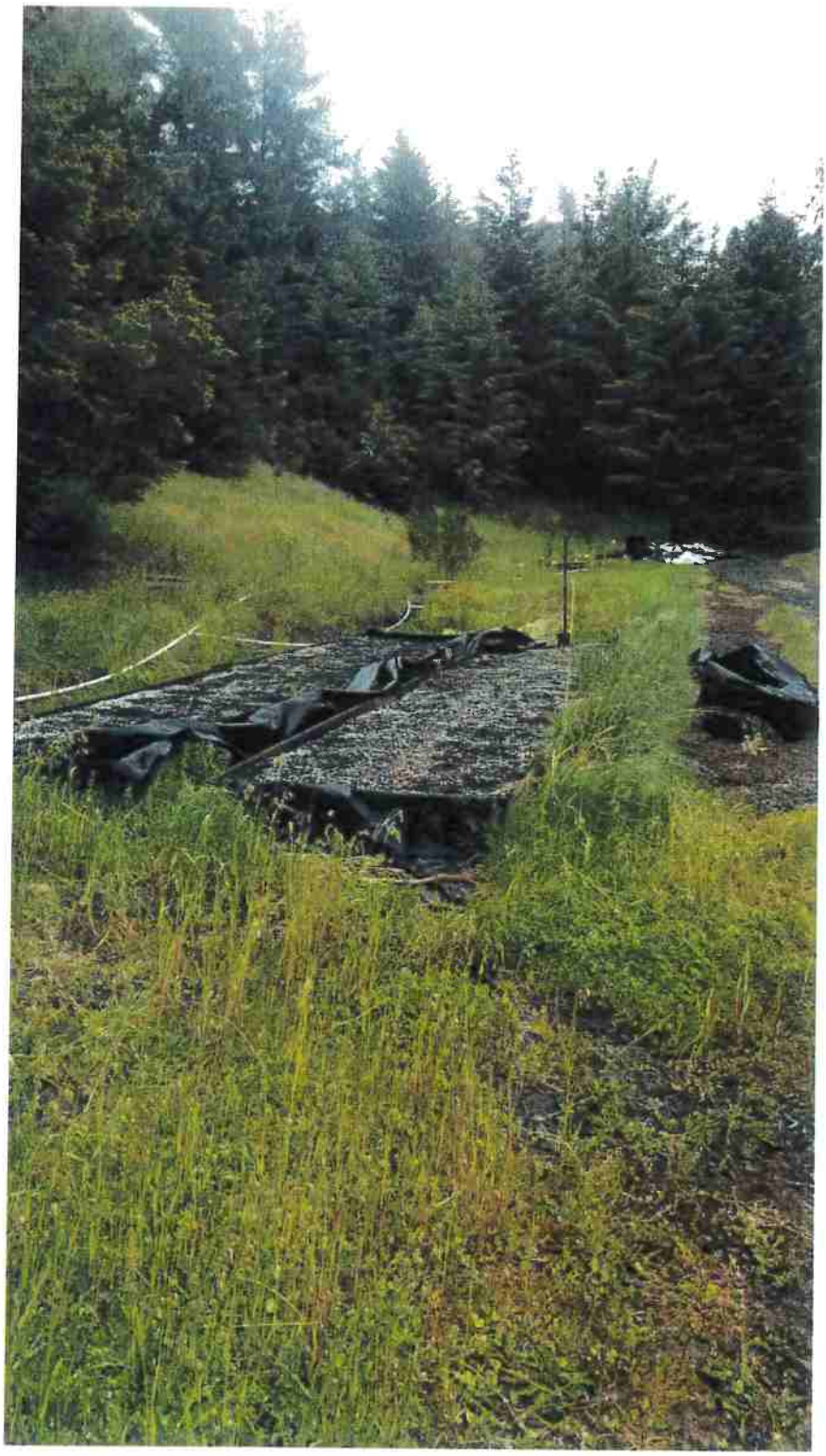


Picture 18: Class III watercourse looking downstream from Crossing #3. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 19: Crossing #3 to be upgraded to rock ford Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)



Picture 20: Greenhouse cultivation (20' by 100') within APN 107-261-011. Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 21: Outdoor cultivation Photo date 5-16-2017.

Addendum 10 – Pictures (Cont.)

Picture 22: Surface runoff from county road discharging at Applicants' gate. Photo date 5-16-2017.

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, outsloping, rolling dips, cross drains, waterbars, 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.

Permanent Crossing Decommissioning Specifications