



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	Catherine Dunaway			
Business/Agency	Maple Creek Investments LLC			
Mailing Address	PO BOX 1212			
City, State, Zip	Eureka, CA 95502			
Telephone	707-499-9129	Fax		
Email	Cataway99@gmail.com			

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

Name	Courtney Sundberg			
Street Address	1652 Holly Drive			
City, State, Zip	McKinleyville, CA 95519			
Telephone	707-839-5130	Fax	839-8168	
Email	courtneys@pacificwatershed.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		Maple Creek Investments LSAA		
B. Agreement Term Requested		<input checked="" type="checkbox"/> Regular (5 years or less) <input type="checkbox"/> Long-term (greater than 5 years)		
C. Project Term		D. Seasonal Work Period		E. Number of Work Days
Beginning (year)	Ending (year)	Start Date (month/day)	End Date (month/day)	
2019	2024	June 15	October 15	5



5. AGREEMENT TYPE

Check the applicable box. If box B, C, D, E, or F is checked, complete the specified attachment.

A.	<input type="checkbox"/> Standard (Most construction projects, excluding the categories listed below)	
B.	<input type="checkbox"/> Gravel/Sand/Rock Extraction (Attachment A)	Mine I.D. Number: _____
C.	<input type="checkbox"/> Timber Harvesting (Attachment B)	THP Number: _____
D.	<input checked="" type="checkbox"/> Water Diversion/Extraction/Impoundment (Attachment C)	SWRCB Number: <u>N/A non-jurisdictional water source</u>
E.	<input checked="" type="checkbox"/> Routine Maintenance (Attachment D)	
F.	<input checked="" type="checkbox"/> Cannabis Cultivation (Attachment E)	
G.	<input type="checkbox"/> Department Grant Programs	Agreement Number: _____
H.	<input type="checkbox"/> Master	
I.	<input type="checkbox"/> Master Timber Operations	

6. FEES

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

A. Project		B. Project Cost	C. Project Fee
1	POD	\$500.00	\$577.25
2			
3			
4			
5			
6			
7			
8			
9			
10			
		D. Base Fee (if applicable)	
		E. TOTAL FEE*	\$577.25

* Check, money orders, or any debit/credit card with the Visa or Mastercard logo are accepted.



7. PRIOR NOTIFICATION AND ORDERS

A. Has a notification previously been submitted to, or a Lake or Streambed Alteration Agreement previously been issued by, the Department for the project described in this notification?		
<input type="checkbox"/> Yes (<i>Provide the information below</i>) <input checked="" type="checkbox"/> 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?		
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (<i>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.</i>)		
<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)				
See attached.				
<input checked="" type="checkbox"/> Continued on additional page(s)				
B. River, stream, or lake affected by the project.		None		
C. What water body is the river, stream, or lake tributary to?		Mad 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
Korbel	T4N	R3E	S6	
<input type="checkbox"/> Continued on additional page(s)				
K. Meridian (<i>check one</i>)	<input checked="" type="checkbox"/> Humboldt <input type="checkbox"/> Mt. Diablo <input type="checkbox"/> San Bernardino			
L. Assessor's Parcel Number(s)				
315-011-009				
<input type="checkbox"/> Continued on additional page(s)				



M. Coordinates (If available, provide at least latitude/longitude or UTM coordinates and check appropriate boxes)			
Latitude/Longitude	Latitude: 40.759437°		Longitude: -123.879697°
	<input type="checkbox"/> Degrees/Minutes/Seconds	<input checked="" type="checkbox"/> Decimal Degrees	<input type="checkbox"/> Decimal Minutes
UTM	Easting:	Northing:	<input type="checkbox"/> Zone 10 <input type="checkbox"/> Zone 11
Datum used for Latitude/Longitude or UTM		<input type="checkbox"/> NAD 27	<input checked="" type="checkbox"/> NAD 83 or WGS 84

9. PROJECT CATEGORY

WORK TYPE	NEW CONSTRUCTION	REPLACE EXISTING STRUCTURE	REPAIR-MAINTAIN-OPERATE EXISTING STRUCTURE
Bank stabilization – bioengineering/recontouring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bank stabilization – rip-rap/retaining wall/gabion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boat dock/pier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boat ramp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bridge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel clearing/vegetation management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Culvert	<input type="checkbox"/>	<input 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 checked="" 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.

☐ 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.

☒ 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
No vegetation will be removed	Linear feet: <u>N/A</u>	Linear feet: <u> </u>
	Total area: <u>N/A</u>	Total area: <u> </u>
	Linear feet: <u> </u>	Linear feet: <u> </u>
	Total area: <u> </u>	Total area: <u> </u>

Tree Species	Number of Trees to be Removed	Trunk Diameter (range)
No trees will be removed	N/A	

☐ Continued on additional page(s)

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

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

☒ Continued on additional page(s)

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

CNDDB

☒ Continued on additional page(s)

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

☒ Yes (Enclose the biological study) ☐ No

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



F. Has a hydrological study been completed for the project or project site?

☐ Yes (Enclose the hydrological study) ☒ No

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

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

☐ Yes (Enclose the mapped results) ☒ No

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

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

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

See attached.

☒ Continued on additional page(s)

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

See attached.

☒ Continued on additional page(s)

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

See attached.

☒ 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. Regional Water Quality Control Board Waiver of Waste Discharge Order Number R1-2015-0023 WDID WDID 1B16545CHUM ☐ Applied ☒ Issued
- B. Humboldt County CMMLUO- Application #14215 ☐ 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
- ☐ Initial Study
- ☐ Negative Declaration
- ☐ THP/ NTMP

- ☐ Mitigated Negative Declaration
- ☐ Environmental Impact Report
- ☐ Notice of Determination (Enclose)
- ☐ Mitigation, Monitoring, Reporting Plan

☐ NEPA document (type): _____

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 Humboldt County

E. Contact Person Steve Lazar

F. Telephone Number 707-445-7541

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*) Catherine Dunaway
at (*insert telephone number*) 707-499-9124 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

12/14/18
Date

Catherine Dunaway
Print Name

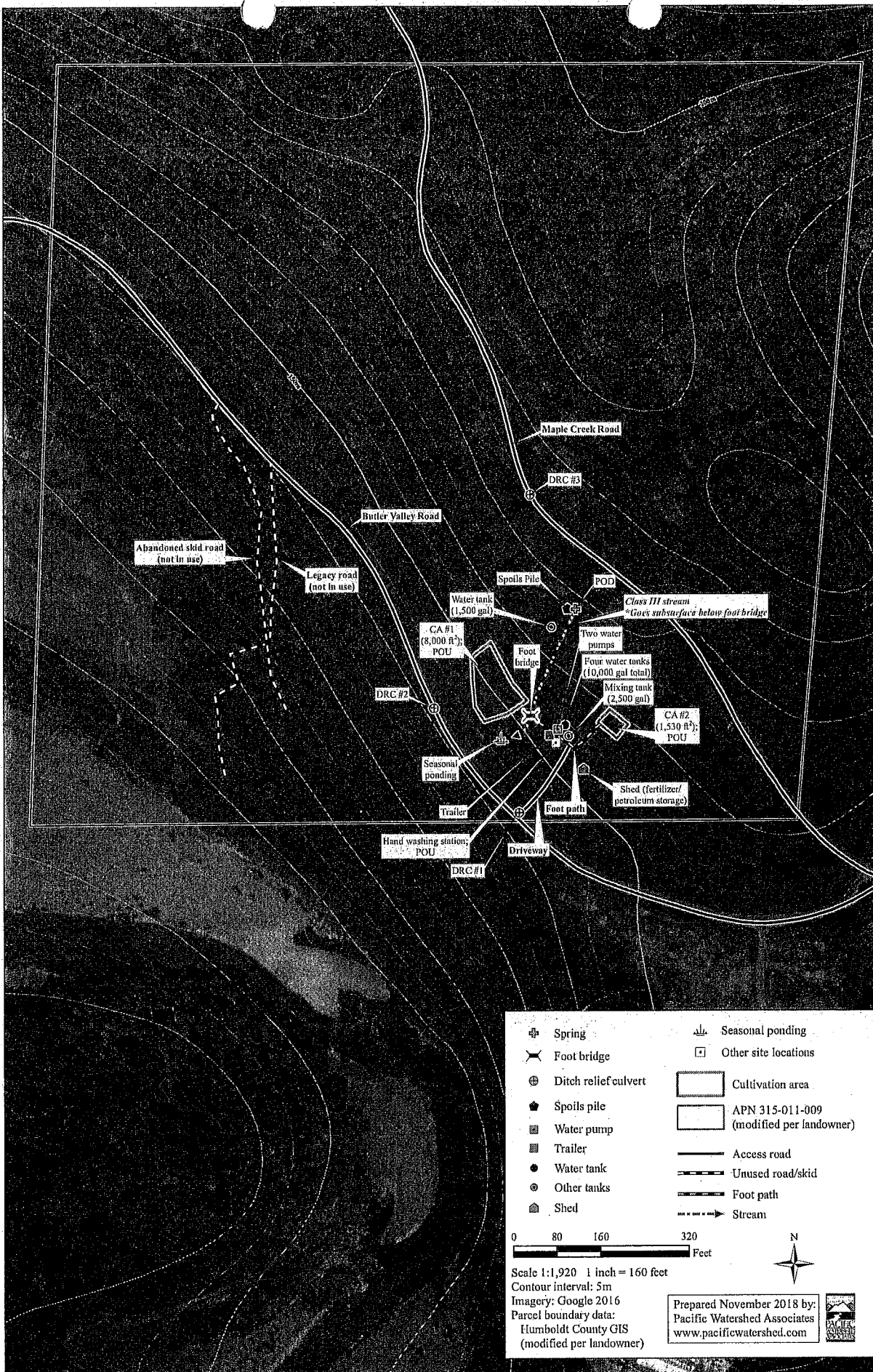


Figure 1. Site map for Maple Creek Investments LSAA, APN 315-011-009, located off Maple Creek Road, Maple Creek, Humboldt County, California.

6. FEES

The project costs for the existing place of diversion (POD) include, but are not limited to any necessary improvements to the diversion structure including annual maintenance (excavation) to maintain working infrastructure.

8. PROJECT LOCATION

The project area is located on Humboldt County APN 315-011-009 and can be accessed from Eureka by taking Myrtle Road for approximately 4.5 miles. From Myrtle Road, turn right onto Freshwater Road which becomes Kneeland Road at the hairpin. Continue on Kneeland Road for approximately 6.2 miles, then turn left onto Butler Valley Road, stay on Butler Valley Road for approximately 7.7 miles, the project area is located to the left.

A site map of the project area displaying the roads, place of diversion, places of use, and water storage is attached to this application. The attached map is associated with a Water Resource Protection Plan (WRPP) that was developed for this property as part of the Regional Water Quality Control Board Waiver of Waste Discharge Program.

10. PROJECT DESCRIPTION

This LSAA is being submitted for one surface water diversion (POD).

POD (40.759437°, -123.879697°) the diversion structure consists of a plastic 5-gallon bucket embedded in a shallow, excavated hole (approx. 4 ft. deep) located at a break in slope. Flow from the excavated spring has exposed shallow groundwater which does not appear to flow off the property and there is no evidence of surface flow below the footbridge near CA#1 (see Figure 1). Flow is gravity fed via a 1-inch black poly line to a 1,500 gallon (sediment) settling tank, flow is then gravity fed to a series of four water tanks (10,000 gal. total), and finally water is pumped using gasoline powered pumps to two cultivation areas. All water use is tracked using an off-channel flow (water) meter and recorded in a log book kept on site.

The diversion will require annual maintenance (excavation) of fine sediment to prevent the diversion structure from becoming plugged. Additionally it is important to note that because the water source does not flow off the property and is non-jurisdictional no water rights have been filed with the State Water Resources Control Board Division of Water Rights.

11. PROJECT IMPACTS

The disturbance area is two part: 1) disturbance associated with the annual maintenance (excavation) of the place of diversion (POD) is limited to a small area (x) surrounding the diversion structure and will not require the clearing of any trees or vegetation; and 2) the disturbance associated with the replacement of the existing diversion structure is limited to the

footprint of the diversion structure. Additionally, maintenance will occur during the dry season from June 15 to October 15.

Biological Assessment:

A biological assessment was conducted on [REDACTED] by Ms. Tami Camper, a professional biologist from TransTerra Consulting. The property was assessed to

Additionally, the property was assessed using the California Natural Diversity Database (CNDDDB) to preliminarily check if the parcel contained a known occurrence of a rare plant or animal, and specifically spotted owls. It is important to note that the lack of data does not positively affirm the absence of notable species within the parcel in question.

According to the CNDDDB there are two elemental occurrences (EO) within parcel boundaries, as well as multiple EOs in close proximity. The first EO mapped within parcel boundaries shows the occurrence of *Oncorhynchus mykiss irideus* (summer-run-steelhead trout) within the Mad River. The second EO within parcel boundaries shows the occurrence of *Erethizon dorsatum* (North American porcupine) mapped with a 1 mile radius. The EOs within close proximity show the occurrence of *Bombus caliginosus* (obscure bumble bee), *Rana boylei* (foothill yellow-legged frog), and *Arborimus pomo* (Sonoma tree vole). Additional information about these occurrences is included in the CNDDDB report attached to this document.

In regards to spotted owls, there are no occurrences within parcel boundaries yet there are many in close proximity. There is one activity center 0.3 miles north of the property, which may warrant the landowner to only preform heavy equipment work outside of the nesting period. Additional information about the spotted owl observations are included in the Spotted Owl Observation and Site reports attached to this document.

13. PERMITS

Permits include:

-CMMLUO: Application # 14215(see attached)

-Regional Water Quality Control Board Waiver of Waste Discharge Order number R1-2015-0023

Enrolled: February 8, 2016

WDID: 1B16545CHUM

14. ENVIRONMENTAL REVIEW

14G. The project described in this Agreement was identified in a property inspection conducted by Pacific Watershed Associates (PWA) under contract with the property owner in order to

develop the Water Resource Protection Plan (WRPP), and enroll in the Regional Water Quality Control Board Waiver of Waste Discharge Program. Project is confined to existing in use roads and is exempt from CEQA. However, in the event CEQA is required, Humboldt County will be the lead CEQA agency for all landowners pursuing permits under the Humboldt County Commercial Medical Marijuana Land Use Ordinance (CMMLUO).

Remediation Plan: The remediation area is limited to the diversion area which is approximately square feet.

Photo Documentation of LSAA Projects
Place of Diversion (POD)



Photo 1, View of POD looking upslope (Photo taken 7/31/18).



Photo 2, View of POD diversion structure (Photo taken 7/31/18).



Photo 3, View of cut and hillslope above POD (Photo taken 7/31/18).

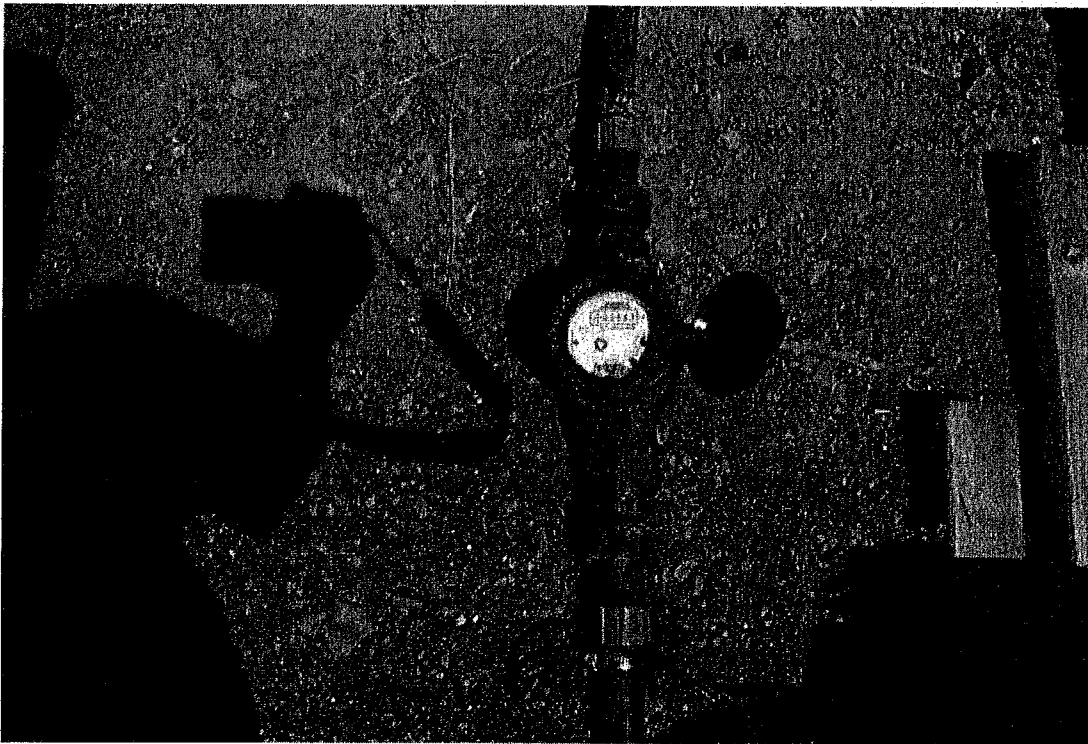


Photo 4, View of (off-channel) water meter used to track and record water diversion and use (Photo taken 7/31/18).

Water Storage

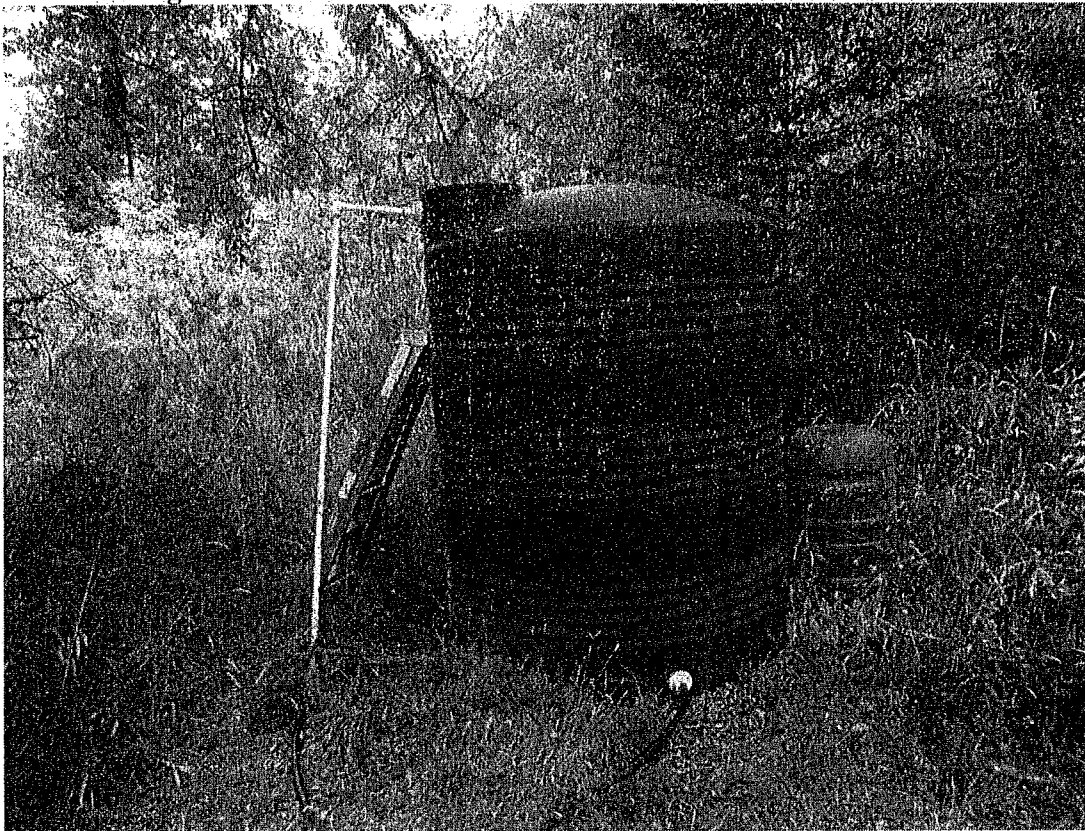


Photo 5, View of 1,500 gallon water (settling tank) (Photo taken 7/31/18).

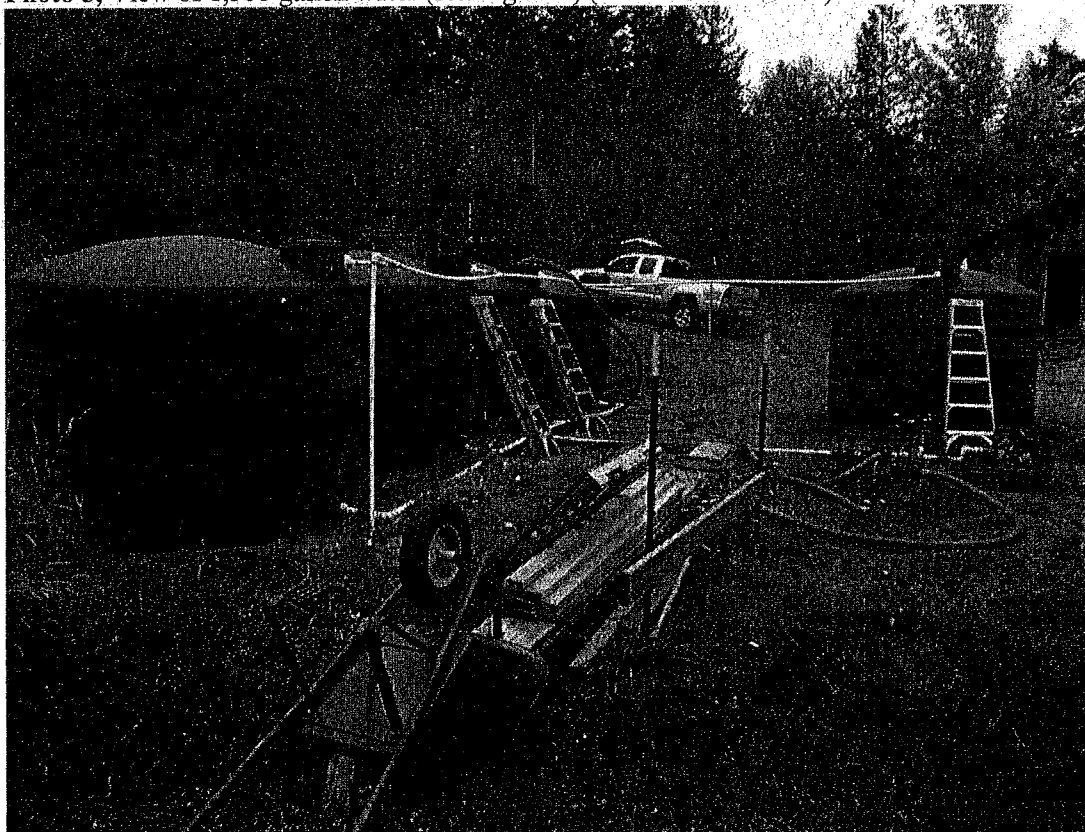


Photo 6, View of 4- 2,500 gallon water tanks (Photo taken 7/31/18).

Places of Use (POU)

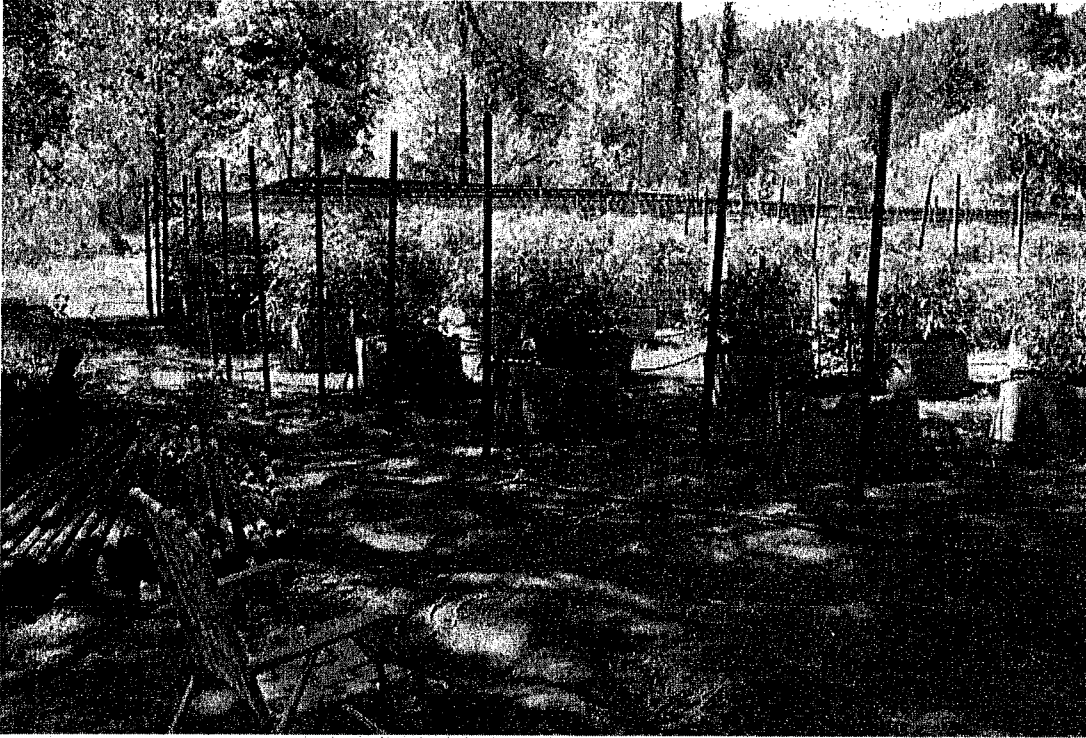


Photo 7, View of POU CA#1 (Photo taken 7/31/18).



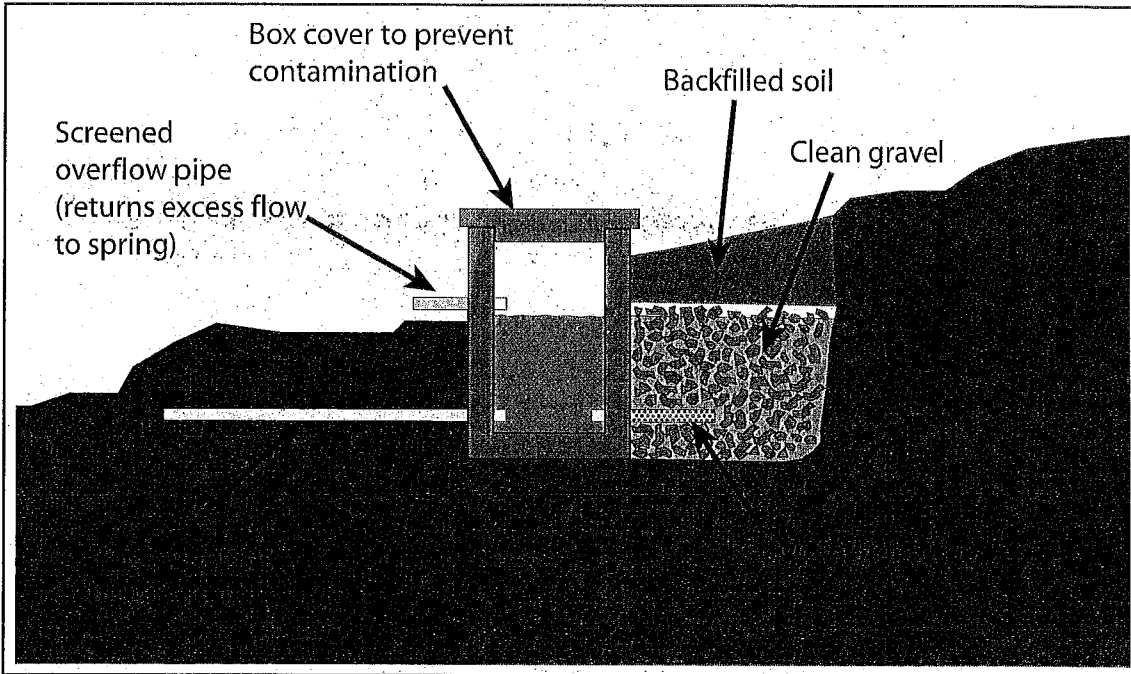
Photo 8, View of POU CA#2 (Photo taken 7/31/18).



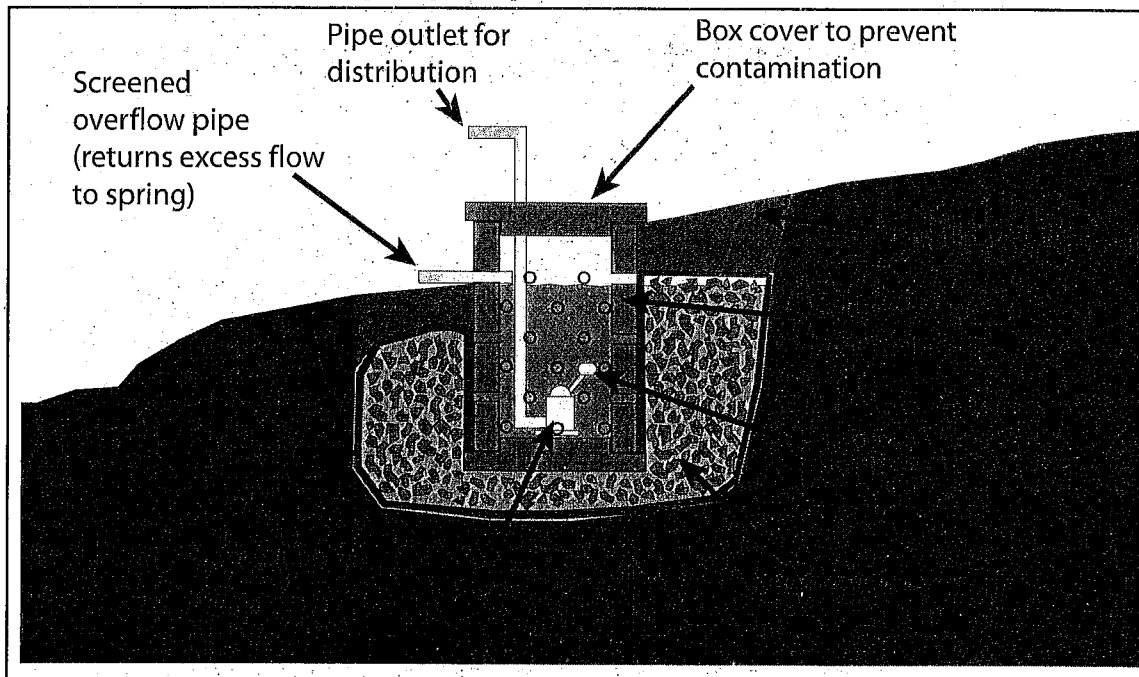
Photo 9, View of POU handwashing station and trailer (Photo taken 7/31/18).

Typical design drawings of spring boxes

Piped spring box - gravity system



Perforated spring box - pumped system



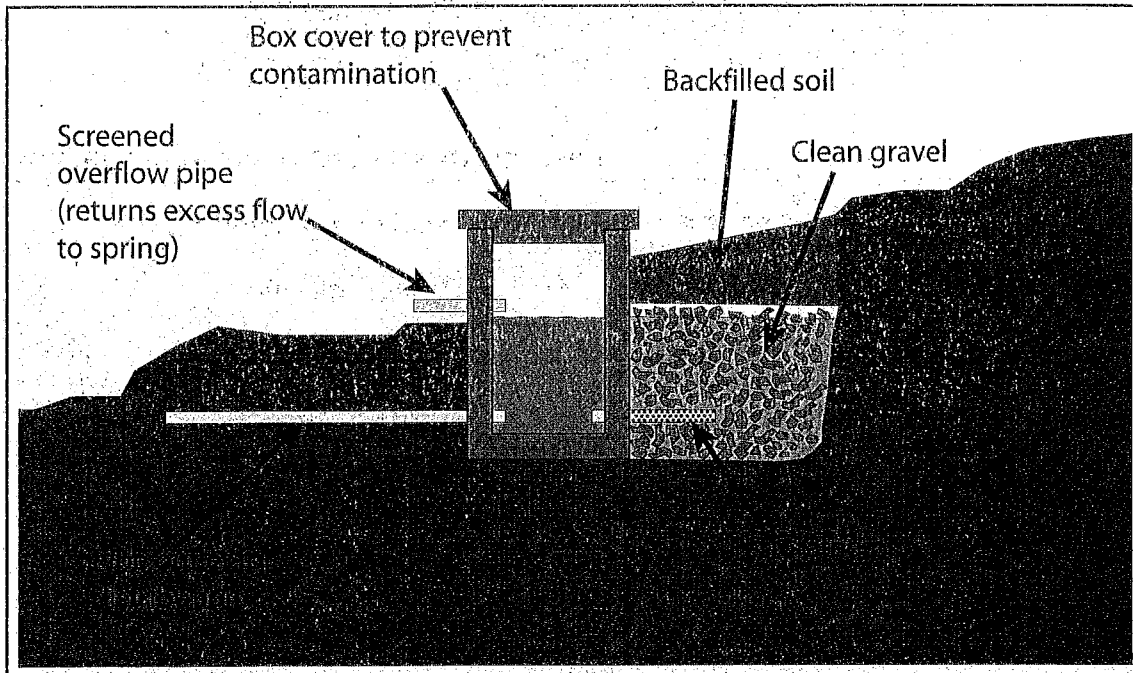
Pacific Watershed Associates Inc.

Geologic and Geomorphic Studies • Watershed Restoration • Wildland Hydrology • Erosion Control • Environmental Services
PO Box 4433, Arcata, CA 95518 / Ph: 707-839-5130 / FAX: 707-839-8168 / www.pacificwatershed.com

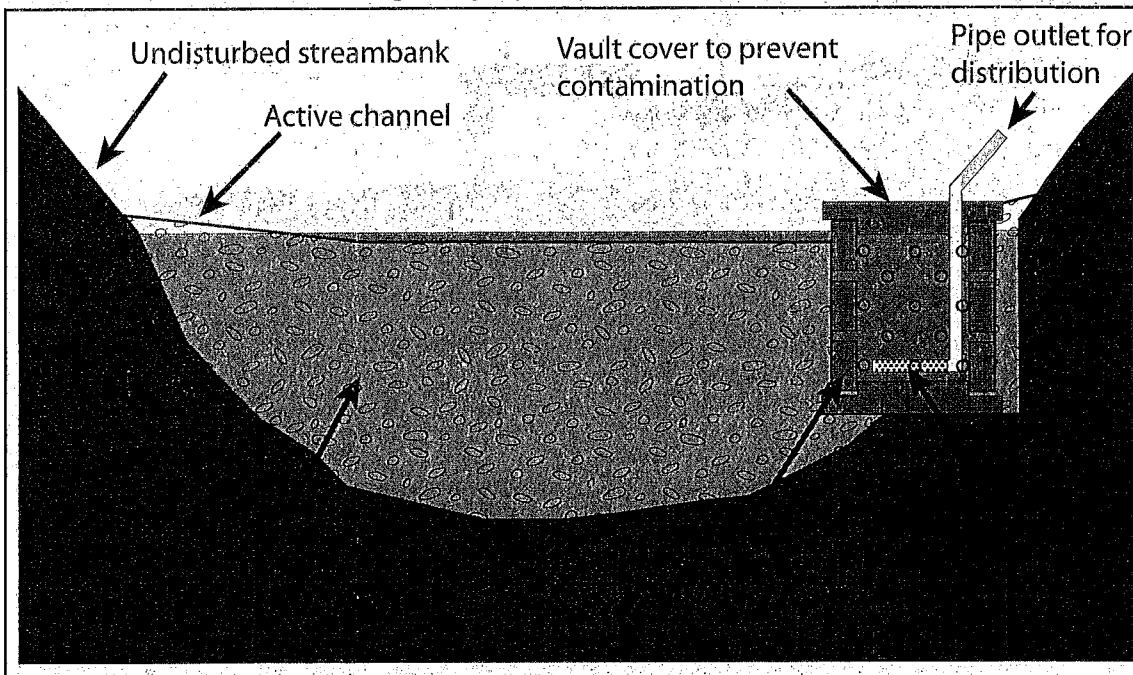
PWA Typical Drawing #20

Typical design drawings of spring box and vaulted screened intake gravity diversion infrastructure

Piped spring box - gravity system



Vaulted screened intake - gravity system



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PWA Typical Drawing #21

**NOTIFICATION OF LAKE OR STREAMBED ALTERATION****WATER DIVERSION/EXTRACTION/IMPOUNDMENT – ATTACHMENT C**

DFW 2023C (REV. 10/01/16) Page 1

Applicant Name: Catherine DunawayProject Name: Maple Creek Investments LSAA**ATTACHMENT C****Water Diversion/Extraction/Impoundment**

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

I. Diversion or Obstruction

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

SEASON OF DIVERSION		PURPOSE OF USE	DIVERSION RATE (cfs or gpm)	AMOUNT USED (acre feet)	
BEGINNING DATE (Mo. & Day)	ENDING DATE (Mo. & Day)			FROM STORAGE	BY DIVERSION
June 1	August 31	irrigation	750 gpd		0.25

- 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).

The maximum rate of withdrawal is approximately 0.52 gpm.



State of California – Department of Fish and Wildlife
NOTIFICATION OF LAKE OR STREAMBED ALTERATION
WATER DIVERSION/EXTRACTION/IMPOUNDMENT – ATTACHMENT C
DFW 2023C (REV. 10/01/16) Page 2

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

- ☒ Riparian. *Attach the most recent Statement of Water Diversion and Use filed with the SWRCB.*
- ☒ Diversion for immediate use.
- ☐ Diversion to storage (for less than 30 days).
- ☐ Appropriative.
- ☐ Pre-1914. *Attach the most recent Statement of Water Diversion and Use filed with SWRCB.*
- ☐ Post-1914. *Attach a copy of the applicant's water right application, permit, or license filed with or issued by SWRCB.*
- ☐ Small domestic, livestock stockpond, or small irrigation use registration. *Attach a copy of the applicant's registration of water use form filed with, or registration certificate issued by, SWRCB (See Water Code section 1228 et seq.).*
- ☒ Diversion for immediate use.
- ☐ Diversion to storage.
- ☐ Purchased or contracted water. *Attach a copy of the applicant's contract or letter from the applicant's water provider.*
- ☐ Other. *Describe below or attach separate page.*

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

Unknown.

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



NOTIFICATION OF LAKE OR STREAMBED ALTERATION

WATER DIVERSION/EXTRACTION/IMPOUNDMENT – ATTACHMENT C

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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:



State of California – Department of Fish and Wildlife
NOTIFICATION OF LAKE OR STREAMBED ALTERATION
WATER DIVERSION/EXTRACTION/IMPOUNDMENT – ATTACHMENT C
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- H. Specify the time period when the area below the dam becomes dry, if at all.

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

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

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

III. Temporary Reservoir

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

- A. Date of dam installation: _____
- B. Date of dam removal: _____
- C. Amount of time it will take to construct the dam: _____
- D. Amount of time it will take to remove the dam: _____
- E. Methods to ensure that the reservoir pool will be drained in a manner that does not strand or otherwise harm fish:



Applicant Name: Catherine Dunaway

Project Name: Maple Creek Investments LSAA

ATTACHMENT D

Routine Maintenance

Complete this attachment only when notifying for routine maintenance activities that will be recurring over the term of the agreement, such as maintaining a number of existing private or public facilities, including but not limited to canals, channels, culverts, and ditches. Submit this form with the completed notification form (DFW 2023).

I. REGULARLY RE-OCCURRING MAINTENANCE ACTIVITIES (Check all that apply)

- ☒ Sediment removal (☐ concrete-lined lake or stream or ☐ earthen lake or stream):
- ☐ In and around bridges, culverts, storm drain outlets, and/or water diversion structure
 - ☐ Stream channel bed
 - ☐ Stream channel bank(s)
 - ☐ Pond or lake
 - ☐ Marina basin
 - ☐ Detention basin
 - ☐ Boat launch channel
 - ☒ Other: Shallow groundwater diversion (spring)

Method (heavy equipment, suction dredge, etc.) – specify: _____

Estimated total cumulative sediment volume removed annually: _____

Estimated total cumulative area impacted by sediment removal annually: _____

Estimated recurrence frequency for sediment removal: _____

- ☐ Vegetation management:
- ☐ Limbing and/or trimming of branches and tree limbs
 - ☐ Removal under high power lines
 - ☐ Removing fallen trees
 - ☐ Removing dead (not dormant) trees and shrubs
 - ☐ Stump left intact
 - ☐ Stump removal – specify: _____



State of California – Department of Fish and Wildlife
NOTIFICATION OF LAKE OR STREAMBED ALTERATION
ROUTINE MAINTENANCE – ATTACHMENT D
DFW 2023D (REV. 12/20/16) Page 2

☐ Removing vegetation (e.g., bulrush and cattails) from stream channel bed with:

- ☐ Non-motorized hand tools
- ☐ Mechanical vegetation cutters, shredders, string trimmers (a.k.a. weed-whacker, weed-whip), chainsaws
- ☐ Mowing
- ☐ Heavy equipment (soil disturbance)
- ☐ Herbicide – specify chemicals and attach application plan: _____
- ☐ Other: _____

☐ Removing vegetation from bank with:

- ☐ Non-motorized hand tools
- ☐ Mechanical vegetation cutters, shredders, string trimmers (a.k.a. weed-whacker, weed-whip), chainsaws
- ☐ Mowing
- ☐ Heavy equipment (soil disturbance)
- ☐ Herbicide – specify chemicals and attach application plan: _____
- ☐ Other: _____

☐ Removing only non-native vegetation with:

- ☐ Non-motorized hand tools
- ☐ Mechanical vegetation cutters, shredders, string trimmers (a.k.a. weed-whacker, weed-whip), chainsaws
- ☐ Mowing
- ☐ Heavy equipment (soil disturbance)
- ☐ Herbicide – specify chemicals and attach application plan: _____
- ☐ Other: _____

☐ Vegetation and brush pile burning – specify burn location: _____

☐ Other vegetation management: _____

Estimated total linear feet of vegetation removed annually: _____

Estimated total cumulative area impacted by vegetation management annually: _____

Estimated recurrence frequency for vegetation management: _____

Intentionally Left Blank



☐ Existing facilities:

☐ Erosion within existing facilities and easements

☐ New erosion repair

☐ Repair at existing erosion control sites

☐ Other: _____

☐ Road maintenance (e.g. repair or re-grade) of existing rights of way

☐ Minor bridge work – ☐ work from bank or ☐ work in-channel (describe on a separate page if the work requires dewatering):

☐ Reinforcing pilings

☐ Reinforcing aprons

☐ Painting (access and falsework)

☐ Paint removal – specify method: _____

☐ Other: _____

Specify materials and equipment: _____

☐ Minor culvert repair:

☐ Repairing wingwalls within existing footprint

☐ Repairing scour protection within existing footprint – provide detail:

☐ Other: _____

☐ Maintenance of stormwater outfalls and drop-inlet culverts

☐ Erosion repair

☐ Flow dissipaters

☐ Servicing of water quality monitoring stations, stream gages, etc.

☐ Boat launch repair

☐ Graffiti removal and abatement from bridges, culverts, and other instream structures

☐ Removal of trash and debris from:

☐ Within channels

☐ Head gates, screens, racks, pilings and piers

☐ Other: _____



State of California – Department of Fish and Wildlife
NOTIFICATION OF LAKE OR STREAMBED ALTERATION
ROUTINE MAINTENANCE – ATTACHMENT D
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Location where trash and debris will be placed or discarded: _____

☐ Pesticide application:

☐ Rodenticides – specify chemicals and attach application plan: _____

☐ Insecticides – specify chemicals and attach application plan: _____

Name of Licensed Agricultural Pest Control Advisor: _____

Estimated recurrence frequency for pesticide application: _____

☐ Other type of routine maintenance activity (provide details below):

II. MAP OR MAPBOOK

Attach a map of sufficient detail to assist in locating maintenance sites, minimally including the following:

- The applicant's jurisdictional boundaries within the project area.
- All watercourses within the jurisdictional boundaries where maintenance will occur.
- A key to identify each watercourse (e.g. earthen or concrete lined) and the maintenance activities (e.g. vegetation removal, sediment removal, etc.) and location (e.g., bridges, water control diversions, and large scale maintenance) of those activities that are likely to occur.

III. SPECIAL STATUS SPECIES LOCATIONS

A drawing, diagram, and/or map that shows the applicant's jurisdictional boundaries and the locations within that area where special status species are known to exist.



Applicant Name: Catherine Dunaway

Project Name: Maple Creek Investments LSAA

ATTACHMENT E

Cannabis Cultivation

Complete this attachment if the project includes cannabis cultivation and you are seeking authorization under an individual Lake or Streambed Alteration Agreement. "Cultivation" means any activity involving the planting, growing, harvesting, drying, curing, grading, or trimming of cannabis (Business and Professions Code, section 26000 et seq.). *Please note that if you are seeking authorization under the General Agreement for Cannabis Cultivation you must notify online at the California Department of Fish and Wildlife (Department) website:*
<https://www.wildlife.ca.gov/Conservation/LSA>

Complete Sections I – IV and VI for all Agreement types.

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

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

I. CULTIVATION OPERATION – Complete this section for all LSA Agreement types.

☐ Proposed new cannabis cultivation operation

☐ Existing cannabis cultivation operation

Type of CDFA Annual License you will apply for :

Specialty Cottage:

☐ Specialty Cottage Outdoor

☐ Specialty Cottage Indoor

☐ Specialty Cottage Mixed-Light Tier 1 and 2

Specialty:

☐ Specialty Outdoor

☐ Specialty Indoor

☐ Specialty Mixed-Light Tier 1 and 2

Small:

☐ Specialty Outdoor

☐ Specialty Indoor

☐ Specialty Mixed-Light Tier 1 and 2



Medium:

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

☐ Nursery

☐ Processor

CDFA Annual License # (if applicable): _____

CDFA Temporary License # (if applicable): _____

II. LOCAL ORDINANCE OR PERMIT – Complete this section for all Agreement types.

Does the town, city, or county where cultivation will occur have a rule, ordinance, or other regulation or law that governs the cultivation of cannabis?

☐ Yes: Town/City

☒ Yes: County

☐ No

Are you required to have a written authorization (permit) from the city/town and/or county to cultivate cannabis within the city/town and/or county?

☒ Yes. Enclose a copy permit(s) and/or completed application(s).

☐ No

III. WATER SUPPLY– Complete this section for all Agreement types.

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

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

☐ Yes

☐ No

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

Geographic Coordinates of each diversion, obstruction, extraction, or impoundment:

Latitude 40.759437° Longitude -123.879697°

Spring(s)

☒ Yes

☐ No

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

Number of Springs ¹ _____

Geographic Coordinates of each spring:

Latitude 40.759437° Longitude -123.879697°



Private Well(s)

☐

Yes

☒

No

If yes is checked, you **must** attach a map that identifies the location of the well(s).

Geographic Coordinates of each well:

Latitude _____ Longitude _____

You **must** provide the well's geographic location coordinates and a copy of the well log/well completion report filed with the Department of Water Resources pursuant to Section 13751 of Water Code. If no well log is available, provide evidence from the Department of Water Resources indicating that the Department of Water Resources does not have a record of the well log.

Public Water System

☐

Yes

☒

No

Name of public water system: _____

If Yes box is checked, you must enclose documentation from provider confirming authorization of service for water needed for project.

Water Hauling

☐

Yes

☒

No

Name of water hauler contact information, and a copy of the water hauler license issued by the California Department of Public Health:

Name of water hauler: _____

Water hauler license information: _____

☐

Other

Specify: _____

☐ Continued on additional page(s)

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

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

☒

Yes (Provide the information below)

☐

No

Name of Company	Name of Professional or Consultant	Business Telephone
Pacific Watershed Associates	Courtney Sundberg	707-839-5130



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

A. 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

B. Remediation Area. Determine the total area that requires remediation.

Remediation area in total: _____ square feet

C. Remediation Fee. Submit the applicable fee 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. (1)(3)(A)).

☒ \$3,087.50 if the total remediation area is less than or equal to 1,000 square feet

☐ \$5,145.75 if the total remediation area is greater than 1,000 square feet

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

☒ Yes (Enclose the plan) ☐ No

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

VI. NOTIFICATION FEES – Entity must pay Department fee(s) at time of Notification.

The current fee schedule is available at <http://www.wildlife.ca.gov/Conservation/LSA/Forms> and specified in Section 699.5, subdivision (b) of the California Code of Regulations, title 14.

Remediation fees, if applicable, are specified in Section 699.5, subdivision (1) of the California Code of Regulations, title 14. The remediation fee is in addition to the notification fee and must be submitted by **separate** check or other method of payment.

☒ Notification Fee

☒ Remediation Fee (if applicable)