

**CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE**  
REGION 1 – NORTHERN REGION  
619 2nd Street  
Eureka, CA 95501



**STREAMBED ALTERATION AGREEMENT**  
NOTIFICATION No. 1600-2019-0980-R1  
Unnamed Tributaries to the Mad River and the Pacific Ocean

Allison Shore  
Shore Water Diversion Project  
2 Encroachments

This Streambed Alteration Agreement (Agreement) is entered into between the California Department of Fish and Wildlife (CDFW) and Allison Shore (Permittee).

## **RECITALS**

WHEREAS, pursuant to Fish and Game Code (FGC) section 1602, the Permittee initially notified CDFW on December 30, 2019, with revisions received on October 20, 2020, that the Permittee intends to complete the project described herein.

WHEREAS, pursuant to FGC section 1603, CDFW has determined that the project could substantially adversely affect existing fish or wildlife resources and has included measures in the Agreement necessary to protect those resources.

WHEREAS, the Permittee has reviewed the Agreement and accepts its terms and conditions, including the measures to protect fish and wildlife resources.

NOW THEREFORE, the Permittee agrees to complete the project in accordance with the Agreement.

## **PROJECT LOCATION**

The project to be completed is located within the Mad River watershed, approximately four miles east of the town of Kneeland, County of Humboldt, State of California. The project is located in Sections 20 and 29, T4N, R3E, Humboldt Base and Meridian; in the Mad River U.S. Geological Survey 7.5-minute quadrangle, and Section 30, T4N, R3E, Humboldt Base and Meridian; in the Laqua Butte U.S. Geological Survey 7.5-minute quadrangle; Assessor's Parcel Number 314-203-008; latitude 40.7033 N and longitude 123.8726 W at the Parcel Centroid.

## **PROJECT DESCRIPTION**

This Agreement relies on the Notification materials and a CDFW site inspection conducted by Environmental Scientist Kalyn Bocast on March 13, 2020.

The project is limited to two encroachments (Table 1). Two encroachments are proposed for water diversion from unnamed tributaries to the Mad River. Water from POD #2 is diverted for domestic use, water from POD#1 is diverted for domestic use and irrigation. Work for the water diversions will include facility retrofit, use, and maintenance of the water diversion infrastructure.

Table 1. Project Encroachments with Description

ID	Latitude/Longitude	Description
POD-1	40.7119, -123.8751	Point of Diversion (POD) from a Class II spring for domestic & irrigation use (450 gallons per day, outside of the diversion minimization period). Work will include facility retrofit as necessary to comply with the requirements of this agreement, use and maintenance of the diversion infrastructure.
POD-2	40.6994, -123.8799	Point of Diversion (POD) from a Class II spring for domestic use (300 gallons per day, outside of the diversion minimization period). Work will include facility retrofit as necessary to comply with the requirements of this agreement, use and maintenance of the diversion infrastructure.

**PROJECT IMPACTS**

Existing fish or wildlife resources the project could substantially adversely affect include Foothill Yellow-legged Frog (*Rana boylei*), Northern Red-legged Frog (*Rana aurora*), Southern Torrent Salamander (*Rhyacotriton variegatus*), Rough-skinned Newt (*Taricha granulosa*), Boreal Toad (*Anaxyrus boreas boreas*), and amphibians, reptiles, aquatic invertebrates, mammals, birds, and other aquatic and riparian species.

The adverse effects the project could have on the fish or wildlife resources identified above include:

**Impacts to water quality:**

- increased water temperature;
- reduced instream flow;
- temporary increase in fine sediment transport;

**Impacts to bed, channel, or bank and direct effects on fish, wildlife, and their habitat:**

- direct impacts on benthic organisms;

**Impacts to natural flow and effects on habitat structure and process:**

- direct and/or incidental take;
- indirect impacts;
- water quality degradation; and
- damage to aquatic habitat and function.

## MEASURES TO PROTECT FISH AND WILDLIFE RESOURCES

### 1. Administrative Measures

The Permittee shall meet each administrative requirement described below.

- 1.1 Documentation at Project Site. The Permittee shall make the Agreement, any extensions and amendments to the Agreement, and all related notification materials and California Environmental Quality Act (CEQA) documents, readily available at the project site at all times and shall be presented to CDFW personnel, or personnel from another state, federal, or local agency upon request.
- 1.2 Providing Agreement to Persons at Project Site. The Permittee shall provide copies of the Agreement and any extensions and amendments to the Agreement to all persons who will be working on the project at the project site on behalf of the Permittee, including but not limited to contractors, subcontractors, inspectors, and monitors.
- 1.3 Adherence to Existing Authorizations. All water diversion facilities that the Permittee owns, operates, or controls shall be operated and maintained in accordance with current law and applicable water rights.
- 1.4 Change of Conditions and Need to Cease Operations. If conditions arise, or change, in such a manner as to be considered deleterious by CDFW to the stream or wildlife, operations shall cease until corrective measures approved by CDFW are taken. This includes new information becoming available that indicates that the bypass flows and diversion rates provided in this agreement are not providing adequate protection to keep aquatic life downstream in good condition or to avoid "take" or "incidental take" of federal or State listed species.
- 1.5 Notification of Conflicting Provisions. The Permittee shall notify CDFW if the Permittee determines or learns that a provision in the Agreement might conflict with a provision imposed on the project by another local, state, or federal agency. In that event, CDFW shall contact the Permittee to resolve any conflict.
- 1.6 Project Site Entry. The Permittee agrees to allow CDFW employees access to any property it owns and/or manages for the purpose of inspecting and/or monitoring the activities covered by this Agreement.
- 1.7 CDFW Notification of Work Initiation and Completion. The Permittee shall contact CDFW within the seven-day period preceding the beginning of work permitted by this Agreement. Information to be disclosed shall include Agreement number, and the anticipated start date. Subsequently, the Permittee shall notify CDFW no later than seven (7) days after the project is fully completed.

- 1.8 Agreement Compliance. The proposed work shall comply with all measures included in this Agreement. **Failure to comply with these measures shall result in suspension or revocation of this Agreement.**

## 2. Avoidance and Minimization Measures

To avoid or minimize adverse impacts to fish and wildlife resources identified above, the Permittee shall implement each measure listed below.

- 2.1 Permitted Project Activities. Except where otherwise stipulated in this Agreement, all work shall be in accordance with the Permittee Notification received on December 30, 2019, with revisions received on October 20, 2020, together with all maps, BMP's, photographs, drawings, and other supporting documents submitted with the Notification.
- 2.2 Incidental Take. This Agreement does not allow for the take, or incidental take of any state or federal listed threatened or endangered listed species.

### Project Timing

- 2.3 Work Period. All work, not including diversion of water, shall be confined to the period **June 15 through October 15** of each year. Work within the active channel of a stream shall be restricted to periods of **dry weather**. Precipitation forecasts and potential increases in stream flow shall be considered when planning construction activities. Construction activities shall cease and all necessary erosion control measures shall be implemented prior to the onset of precipitation.
- 2.4 Work Completion. The proposed work for water diversion facility retrofit shall be completed by no later than **July 15, 2021**. **Failure to complete work by this date shall result in suspension or revocation of this Agreement.** A notice of completed work, including photographs of each site, shall be submitted to CDFW within seven (7) days of project completion.
- 2.5 Extension of the Work Period. If weather conditions permit, and the Permittee wishes to extend the work period after October 15, a written request shall be made to CDFW at least 5-working days before the proposed work period variance. Written approval (letter or e-mail) for the proposed time extension must be received from CDFW prior to activities continuing past October 15.

### Vegetation Management

- 2.6 Minimum Vegetation Removal. No native riparian vegetation shall be removed from the bank of the stream, except where authorized by CDFW. Permittee shall limit the disturbance or removal of native vegetation to the minimum necessary to achieve design guidelines and standards for the Authorized Activity. Permittee shall take precautions to avoid damage to vegetation outside the work area.

2.7 Vegetation Management. Permittee shall limit vegetation management (e.g., trimming, pruning, or limbing) and removal for the purpose of diversion infrastructure placement/maintenance to the use of hand tools. Vegetation management shall not include treatment with herbicides.

### **Water Diversion**

- 2.8 Maximum Diversion Rate. The maximum instantaneous diversion rate from the water intake shall not exceed **two (2) gallons per minute** (gpm) at any time.
- 2.9 Bypass Flow. The Permittee shall pass **80% of the flow** at all times to keep all aquatic species including fish and other aquatic life in good condition below the point of diversion.
- 2.10 Seasonal Diversion Minimization. No more than **150 gallons per day** shall be diverted from each POD during the low flow season from **May 15 to October 31** of each year. Water shall be diverted only if the Permittee can adhere to conditions 2.8 and 2.9 of this Agreement.
- 2.11 Measurement of Diverted Flow. Permittee shall install and maintain an adequate measuring device for measuring the instantaneous and cumulative rate of diversion. This measurement shall begin as soon as this Agreement is signed by the Permittee. The device shall be installed within the flow of diverted water. The Permittee shall maintain records of diversion, and provide information including, but not limited to the following:
- 2.11.1 The date and time diversion occurred.
  - 2.11.2 The amount of water used per day for cannabis cultivation separated out from the amount of water used for other irrigation purposes and other uses of water (e.g., domestic use or fire protection).
  - 2.11.3 Permittee shall make available for review at the request of the department the diversion records required by the State Water Resources Control Board (Board) in Attachment A to the Board's Cannabis Cultivation Policy (October 17, 2017), No. 84, pages 40-41 (see Cal. Code Regs., tit. 23, § 2925).
- 2.12 Water Management Plan. The Permittee shall submit a Water Management Plan no later than **sixty days** from the time this Agreement is made final that describes how compliance will be achieved under this Agreement. The Water Management Plan shall include details on water storage, water conservation, or other relevant material to maintain water needs in coordination with forbearance and bypass flow requirements. 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 this Agreement. The Water

Management Plan shall be submitted to CDFW at 619 2nd Street, Eureka, CA 95501.

### **Water Diversion Facility Retrofit**

- 2.13 Intake Structure. No polluting materials (e.g., particle board, plastic sheeting, bentonite) shall be used to construct or screen, or cover the diversion intake structure.
- 2.14 Intake Structure Placement. Infrastructure installed in the streambed (e.g., cistern or spring box) shall not exceed 10 percent of the active channel width and shall not be located in the deepest portion of the channel. The depth of the intake shall be no greater than one foot (12 inches) below the streambed.
- 2.15 Intake Screening. The Permittee shall regularly inspect, clean, and maintain screens in good condition.
- 2.15.1 The water intake screens shall be securely attached (e.g., threaded or clamped) to the intake line.
- 2.15.2 A water intake screen with round openings shall not exceed 3/32-inch diameter; a screen with square openings shall not exceed 3/32-inch measured diagonally; and a screen with slotted openings shall not exceed 0.069 inches in width. Slots must be evenly distributed on the screen area.
- 2.15.3 The water intake screen may be constructed of any rigid material, perforated, woven, or slotted and should have a minimum of 27% open area. Stainless steel or other corrosion-resistant material is recommended to reduce clogging due to corrosion. Care should be taken not to use materials deemed deleterious to aquatic species.
- 2.15.4 The screen shall be designed to distribute the flow uniformly over the entire screen area.
- 2.15.5 The water intake screen shall be placed in fast moving water with the long axis of the screen parallel to the streamflow. The water intake shall not be placed in pool habitat.
- 2.16 Intake Shall Not Impede Aquatic Species Passage. The water diversion structures shall be designed, constructed, and maintained such that they do not constitute a barrier to upstream or downstream movement of aquatic life.
- 2.17 Exclusionary Devices. Permittee shall keep the diversion structures (e.g. cistern) covered at all times to prevent the entrance and entrapment of amphibians and other wildlife.

- 2.18 Diversion Infrastructure Plan (DIP). The Permittee shall submit a DIP for CDFW review and approval prior to diverting water. The DIP shall include a narrative describing the different elements of the water diversion infrastructure, supporting photographs and/or diagrams, and justification of how compliance with the CDFW Fish Screen Criteria will be achieved under this Agreement.
- 2.19 Diversion Intake Removal. Permittee shall plug, cap, block (e.g., with a shut-off valve), or remove all intakes at the end of each diversion season.
- 2.20 Heavy Equipment Use. No heavy equipment shall be used in the excavation or replacement of the existing water diversion structure. The Permittee shall use hand tools or other low impact methods of removal/replacement. All project materials and debris shall be removed from the project site and properly disposed of off-site upon project completion.

### **Diversion to Storage**

- 2.21 Water Storage. All water storage facilities (WSFs) (e.g., reservoirs, storage tanks, mix tanks, and bladders tanks) must be located outside the active 100-year floodplain and outside the top of bank of a stream. Covers/lids shall be securely affixed to water tanks at all times to prevent potential entry by wildlife. Permittee shall cease all water diversion at the point of diversion when WSFs are filled to capacity.
- 2.22 Water Storage Maintenance. WSFs shall have a float valve to shut off the diversion when tanks are full to prevent overflow. The Permittee shall install any other measures necessary to prevent exorbitant use or waste of water. Water shall not leak, overflow, or overtop WSFs at any time. Permittee shall regularly inspect all WSFs and infrastructure used to divert water to storage and use and repair any leaks.
- 2.23 Limitations on Impoundment and Use of Diverted Water. The Permittee shall impound and use water in accordance with a valid water right, including any limitations on when water may be impounded and used, the purpose for which it may be impounded and used, and the location(s) where water may be impounded and used.
- 2.24 Water Conservation. The Permittee shall make best efforts to minimize water use, and to follow best practices for water conservation and management.
- 2.25 State Water Code. This Agreement does not constitute a valid water right. The Permittee shall comply with State Water Code sections 5100 and 1200 et seq. as appropriate for the water diversion and water storage. The application for this registration is found at:  
[http://www.swrcb.ca.gov/waterrights/publications/forms/forms/docs/sdu\\_registration.pdf](http://www.swrcb.ca.gov/waterrights/publications/forms/forms/docs/sdu_registration.pdf).

### 3. Reporting Measures

- 3.1 Work Completion. The proposed work shall be completed by no later than **July 15, 2021. Failure to complete work by this date shall result in suspension or revocation of this Agreement.** A notice of completed work (condition 2.4), with supplemental photos, and project description, shall be submitted to CDFW **within seven (7) days** of project completion.
- 3.2 Measurement of Diverted Flow. Copies of the **Water Diversion Records** (condition 2.11) shall be submitted to CDFW at 619 Second Street, Eureka, CA 95501 no later than **December 31** of each year beginning in **2020**.
- 3.3 Water Management Plan. The Permittee shall submit a **Water Management Plan** (condition 2.12) within **60 days** from the effective date of this Agreement. The Water Management Plan shall be submitted to CDFW at 619 2nd Street, Eureka, CA 95501.
- 3.4 Diversion Infrastructure Plan. The Permittee shall **allow 60 days for CDFW review and approval** after submittal of a Diversion Infrastructure Plan (condition 2.18). This document shall be submitted to CDFW at the 619 2nd Street, Eureka, CA 95501

### CONTACT INFORMATION

Written communication that the Permittee or CDFW submits to the other shall be delivered to the address below unless the Permittee or CDFW specifies otherwise.

To Permittee:

Allison Shore  
P.O. Box 281  
Bayside, CA 95524  
707-499-0330  
redwoodjewel@gmail.com

To CDFW:

Department of Fish and Wildlife  
Northern Region  
619 2nd Street  
Eureka, CA 95501  
Attn: Lake and Streambed Alteration Program  
Notification #1600-2019-0980-R1



## **LIABILITY**

The Permittee shall be solely liable for any violation of the Agreement, whether committed by the Permittee or any person acting on behalf of the Permittee, including its officers, employees, representatives, agents or contractors and subcontractors, to complete the project or any activity related to it that the Agreement authorizes.

This Agreement does not constitute CDFW's endorsement of or require the Permittee to proceed with the project. The decision to proceed with the project is the Permittee's alone.

## **SUSPENSION AND REVOCATION**

CDFW may suspend or revoke in its entirety this Agreement if it determines that the Permittee or any person acting on behalf of the Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, is not in compliance with the Agreement.

Before CDFW suspends or revokes the Agreement, it shall provide the Permittee written notice by certified or registered mail that it intends to suspend or revoke. The notice shall state the reason(s) for the proposed suspension or revocation, provide the Permittee an opportunity to correct any deficiency before CDFW suspends or revokes the Agreement, and include instructions to the Permittee, if necessary, including but not limited to a directive to immediately cease the specific activity or activities that caused CDFW to issue the notice.

## **ENFORCEMENT**

Nothing in the Agreement precludes CDFW from pursuing an enforcement action against the Permittee instead of, or in addition to, suspending or revoking the Agreement.

Nothing in the Agreement limits or otherwise affects CDFW's enforcement authority or that of its enforcement personnel.

## **OTHER LEGAL OBLIGATIONS**

This Agreement does not relieve the Permittee or any person acting on behalf of the Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from obtaining any other permits or authorizations that might be required under other federal, state, or local laws or regulations before beginning the project or an activity related to it.

This Agreement does not relieve the Permittee or any person acting on behalf of the Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, from complying with other applicable statutes in the FGC including, but not limited to, FGC sections 2050 *et seq.* (threatened and endangered species), 3503 (bird nests and eggs), 3503.5 (birds of prey), 5650 (water pollution), 5652 (refuse disposal into water), 5901 (fish passage), 5937 (sufficient water for fish), and 5948 (obstruction of stream).

Nothing in the Agreement authorizes the Permittee or any person acting on behalf of the Permittee, including its officers, employees, representatives, agents, or contractors and subcontractors, to trespass.

### **AMENDMENT**

CDFW may amend the Agreement at any time during its term if CDFW determines the amendment is necessary to protect an existing fish or wildlife resource.

The Permittee may amend the Agreement at any time during its term, provided the amendment is mutually agreed to in writing by CDFW and the Permittee. To request an amendment, the Permittee shall submit to CDFW a completed CDFW "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the corresponding amendment fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

### **TRANSFER AND ASSIGNMENT**

This Agreement may not be transferred or assigned to another entity, and any purported transfer or assignment of the Agreement to another entity shall not be valid or effective, unless the transfer or assignment is requested by the Permittee in writing, as specified below, and thereafter CDFW approves the transfer or assignment in writing.

The transfer or assignment of the Agreement to another entity shall constitute a minor amendment, and therefore to request a transfer or assignment, the Permittee shall submit to CDFW a completed CDFW "Request to Amend Lake or Streambed Alteration" form and include with the completed form payment of the minor amendment fee identified in CDFW's current fee schedule (see Cal. Code Regs., tit. 14, § 699.5).

### **EXTENSIONS**

In accordance with FGC section 1605(b), the Permittee may request one extension of the Agreement, provided the request is made prior to the expiration of the Agreement's term. To request an extension, the Permittee shall submit to CDFW a completed CDFW "Request to Extend Lake or Streambed Alteration" form and include with the completed form payment of the extension fee identified in CDFW's current fee schedule

(see Cal. Code Regs., tit. 14, § 699.5). CDFW shall process the extension request in accordance with FGC 1605(b) through (e).

If the Permittee fails to submit a request to extend the Agreement prior to its expiration, the Permittee must submit a new notification and notification fee before beginning or continuing the project the Agreement covers (FGC section 1605(f)).

## **EFFECTIVE DATE**

The Agreement becomes effective on the date of CDFW's signature, which shall be: 1) after the Permittee signature; 2) after CDFW complies with all applicable requirements under the California Environmental Quality Act (CEQA); and 3) after payment of the applicable FGC section 711.4 filing fee listed at [http://www.wildlife.ca.gov/habcon/ceqa/ceqa\\_changes.html](http://www.wildlife.ca.gov/habcon/ceqa/ceqa_changes.html).

## **TERM**

This Agreement shall **expire five years** from date of execution, unless it is terminated or extended before then. All provisions in the Agreement shall remain in force throughout its term. The Permittee shall remain responsible for implementing any provisions specified herein to protect fish and wildlife resources after the Agreement expires or is terminated, as FGC section 1605(a)(2) requires.

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**AUTHORITY**

If the person signing the Agreement (signatory) is doing so as a representative of the Permittee, the signatory hereby acknowledges that he or she is doing so on the Permittee's behalf and represents and warrants that he or she has the authority to legally bind the Permittee to the provisions herein.

**AUTHORIZATION**

This Agreement authorizes only the project described herein. If the Permittee begins or completes a project different from the project the Agreement authorizes, the Permittee may be subject to civil or criminal prosecution for failing to notify CDFW in accordance with FGC section 1602.

**CONCURRENCE**

The undersigned accepts and agrees to comply with all provisions contained herein.

**FOR Allison Shore**

\_\_\_\_\_  
Allison Shore

\_\_\_\_\_  
Date

**FOR DEPARTMENT OF FISH AND WILDLIFE**

\_\_\_\_\_  
Scott Bauer  
Senior Environmental Scientist Supervisor

\_\_\_\_\_  
Date