# NOTICE OF INTENT

TO COMPLY WITH THE TERMS OF
GENERAL 401 WATER QUALITY CERTIFICATION ORDER FOR
SMALL HABITAT RESTORATION PROJECTS

ORDER NUMBER: SB12006GN

<table>
<thead>
<tr>
<th>Regional Water Quality Control Board (Regional Water Board) and State Water Resources Control Board (State Water Board) - FOR AGENCY TRACKING USE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td>WDID:</td>
</tr>
<tr>
<td>-------</td>
</tr>
</tbody>
</table>

## I. NOTICE OF INTENT STATUS

**MARK ONLY ONE ITEM:**
- [x] New Application
- [ ] Change of Information for WDID#
- [ ] Coho HELP Act Project

## II. PROJECT and APPLICANT INFORMATION

**Project Title:** Marble Mountain Ranch Ditch Maintenance

**Applicant Name:** Doug Cole

**Business/Agency:** Marble Mountain Ranch

**Street Address:** 92520 CA-96

**City, County, State, Zip:** Somes Bar, CA 95568

**Telephone:** (530) 469-3322

**E-mail:** guestranch@marblemountainranch.com

## III. PROPERTY OWNER

**Check Box if Same As Above**

**Name:**

**Street Address:**

**City, County, State, Zip:**

**Telephone:**

**Fax**

**E-mail:**
IV. PROJECT LOCATION

A. Address or description of project location.

92520 CA-96, Somes Bar, CA 95568. The project is located on Stanshaw Creek about 0.87 miles upstream of the confluence with the Klamath River and about 8 miles north of Somes Bar.

B. Check box to verify that a map of at least 1:24000 (1" = 2000') detail of the proposed project site (e.g., USGS 7.5 minute topo map) is enclosed: ☑ Project Map Enclosed

C. County: Siskiyou

D. Assessor’s Parcel No.: United States Forest Service Land

E. Coordinates (If available, provide at least latitude/longitude or UTM coordinates. Check appropriate boxes)

<table>
<thead>
<tr>
<th>Latitude/Longitude:</th>
<th>Latitude: 42.472346N</th>
<th>Longitude: 123.50418W</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>☐ Degrees/Minutes/Seconds</td>
<td>☑ Decimal Degrees</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UTM coordinates:</th>
<th>Easting: Click here to enter text.</th>
<th>Northing: Click here to enter text.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Datum or UTM</td>
<td>☐ NAD 27 ☑ NAD 83 or WGS 84</td>
<td></td>
</tr>
</tbody>
</table>

F. River(s), stream(s), lake(s), or wetland(s) affected by the project: Stanshaw Creek

G. Name the receiving watershed or water body: Klamath River

H. Is the river or stream segment affected by the project listed in the state or federal Wild and Scenic Rivers Acts? ☐ yes ☑ no ☐ Unknown

I. Is the watershed listed as impaired under Section 303(d) of the Clean Water Act? ☑ yes ☐ no

<table>
<thead>
<tr>
<th>Pollutant Category(ies):</th>
<th>Temperature, Sediment</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMDL Name:</td>
<td>Klamath River Temperature, Dissolved Oxygen &amp; Microcystin TMDL</td>
</tr>
</tbody>
</table>

J. Has a Total Maximum Daily Load been established for the impairment? ☑ yes ☐ no ☐ Unknown

V. PROJECT INFORMATION

A. What is the primary purpose for the project? (check one or more boxes below)

☒ Fish Habitat Improvement ☐ Wetland Restoration ☐ Native Plant Restoration ☐ Bioengineering

☐ Barrier Removal ☐ Stream Bank Stabilization ☐ Sediment Control Project ☐ Invasive Plant Control

☐ Large Woody Material Enhancement ☐ Watercourse Crossing Replacement

☐ Other: Click here to enter text.
V. PROJECT INFORMATION (Cont.)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>C. Seasonal Work Period:</td>
<td>Summer, dry season</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D. Estimated Total Number of Work Days:</td>
<td>Approximately 12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E. Describe the project in detail and enclose diagrams, drawings, plans, and/or maps that provide all of the following: site specific construction details; dimensions of each structure; extent of activity in the bed channel, bank or floodplain; where equipment will enter or exit the area, if applicable, project overview showing the location of each structure and calculations at each site of area of disturbance. (Attach additional sheets as needed).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The project will convey diverted flow in a pipe from an existing point of diversion on Stanishaw Creek to Marble Mountain Ranch. Construction activities will be entirely within the existing ditch, beginning about 15 feet downditch from the point of diversion. A cylindrical passive fish screen will be placed in the ditch and connected to a 6 inch diameter plastic irrigation pipe. A gate valve will be installed along the pipe within about 20 feet of the connection with the screen. Material from the ditch will be placed around the pipe and compacted to form a barrier that prevents creek flow from being conveyed down the ditch. The barrier will be armored with native gravel to prevent erosion. The pipe will be placed on the existing ditch bottom. Grading within the ditch will be limited to smoothing the ditch bottom to form a level surface to place the pipe. Less than 10 cubic yards of material will be excavated and placed. All excavation and fill will occur within the ditch and outside of Stanishaw Creek. Construction will occur outside of the wetted channel. No water will be diverted or drafted for construction purposes. Piped water will not be returned to Stanishaw Creek and will be put to existing beneficial uses at Marble Mountain Ranch. Additional project information including plans are included on the attached pages.

F. Specify the equipment and machinery (if any) that will be used to complete the project. Describe in detail the measures that will be taken to prevent discharges and spills of oil, grease, and other petroleum products.

Mini excavator, all-terrain vehicles with trailers, shovels, picks other hand tools.

G. Will water be present during the proposed work period:  

\[ \boxed{\text{yes no Unknown}} \]

H. Will the proposed project require work in the wetted portion of the channel? If yes, please describe the work that will be required, the type of equipment to be used, whether the channel will need to be dewatered, and how long equipment will be in the wetted portion of the channel.  

\[ \boxed{\text{yes no Unknown}} \]

The top of the ditch will be dammed with sandbags during all pipe installation activities, dewatering the manmade ditch. Any water that passes through the sandbag dam or enters the manmade ditch from surrounding land will be blocked by additional sandbags in the work area. No water will be discharged from the manmade ditch during construction.

I. Verify that the project is not part of a compensatory mitigation project (e.g. Cleanup and Abatement Order, Supplemental Environmental Project, etc.).  

\[ \boxed{\text{I verify this to be true.}} \]

J. Verify that the primary project purpose is habitat restoration. This project is not proposed as part of a larger project whose primary purpose is not habitat restoration (e.g. land development or flood management).  

\[ \boxed{\text{I verify this to be true.}} \]
K. Verify that this project shall not exceed five acres or 500 linear feet of stream bank or coastline.

VI. DISCHARGE INFORMATION

A. Within the box provided below, identify the type(s) of material that are proposed to be introduced, or "discharged" into Waters of the State as a result of the project.

- Soil
- Rock Rip-Rap
- Native Vegetation
- Non-native Vegetation
- Large woody material
- Rootwads
- Erosion Control Materials (jute netting, straw wattles, etc.)
- Culverts
- Anchoring (bolts, cables, rebar, chains, etc.)
- Fertilizers
- Pesticides

☑ Other: Pipe material

B. For each of the materials identified above, identify the volume or quantity of material that is intended to be introduced or "discharged" into Waters of the State. Declare whether or not the material type is expected to cause a "temporary" or "permanent" effect. Include estimates of incidental material discharges that may occur from project implementation, or as a result of post-project adjustment.

<table>
<thead>
<tr>
<th>Material Type</th>
<th>Volume or Number</th>
<th>Temporary Effect</th>
<th>Permanent Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Pipe Material</td>
<td>Click here to enter text.</td>
<td>☐ yes ☒ no</td>
<td>☐ yes ☒ no</td>
</tr>
<tr>
<td>2. Click here to enter text.</td>
<td>Click here to enter text.</td>
<td>☐ yes ☐ no</td>
<td>☐ yes ☐ no</td>
</tr>
<tr>
<td>3. Click here to enter text.</td>
<td>Click here to enter text.</td>
<td>☐ yes ☐ no</td>
<td>☐ yes ☐ no</td>
</tr>
<tr>
<td>4. Click here to enter text.</td>
<td>Click here to enter text.</td>
<td>☐ yes ☐ no</td>
<td>☐ yes ☐ no</td>
</tr>
<tr>
<td>5. Click here to enter text.</td>
<td>Click here to enter text.</td>
<td>☐ yes ☐ no</td>
<td>☐ yes ☐ no</td>
</tr>
</tbody>
</table>

C. In the space provided below, describe the intended purpose, or reason for the discharges associated with each of the material type(s) listed above:

The placement of pipe into a manmade ditch to improve fishery habitat in the natural channel above the manmade ditch.

---

1 The point source discharge of aquatic pesticides into Waters of the United States requires a separate National Pollutant Discharge Elimination System (NPDES) permit administered by the State Water Resources Control Board. Information about pesticide permits can be found at the following Web address: http://www.waterboards.ca.gov/water_issues/programs/npdes/aquatic.shtml

{CW020928.2}
VII. PROJECT SIZE

A. For each of the applicable water body type(s) listed below, indicate the area(s) in ACRES and LINEAR FEET that will be affected by the project and identify the impact(s) as permanent or temporary. For project disturbance outside of Waters of the State, estimate the total disturbance in acres (linear feet does not apply) as “Non-jurisdictional Areas.”

<table>
<thead>
<tr>
<th>Water Body Type</th>
<th>Temporary Impact</th>
<th>Permanent Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Acres</td>
<td>Lineal Feet</td>
</tr>
<tr>
<td>Wetland</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Riparian</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Streambed/Stream bank</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Lake/Reservoir</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Ocean/Estuary/Bay</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Non-jurisdictional Areas²</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>TOTAL AREA AFFECTED:</strong></td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

B. Additional information relative to Project Size can be included in the space provided below:

Click here to enter text.

---

² The categorical exemption for small habitat restoration projects (Title 14, California Code of Regulations, Division 6, Chapter 3, Guidelines for Implementation for the California Environmental Quality Act (CEQA), Article 19, section 15333) requires projects to be no more than 5 acres in size. Total project size for the Categorical Exemption for permitting from the Disturbance estimates for “Non-jurisdictional Areas” are included for the purpose of coordinating project size with the California Department of Fish and Wildlife’s Lake and Streambed Alteration Agreement (LSAA), or 1600 Permit, which includes areas outside of Waters of the State. {CW020928.2}
## VIII. MONITORING AND REPORTING PLAN

A Monitoring and Reporting Program must be included with the *Notice of Intent* and shall include the following information relative to the proposed project:

### MONITORING PLAN

- **A. Function(s) of the impacted water resources:**
  The project is located entirely within a managed diversion ditch and not considered to impact jurisdictional water bodies. The ditch provides domestic and irrigation flows to a commercial business and full time residence.

- **B. Project purpose, goal(s), and performance standards:**
  The purpose of the monitoring plan is to establish protocol and monitoring activities to prevent water and sediment from leaving the confined work area within the managed manmade ditch and entering areas outside the work area.

- **C. Measurable performance standards appropriate to each goal:**
  No observable water or sediment will leave the work area.

- **D. Monitoring parameters and protocols used to determine whether performance standards have been met:**
  Monitoring will be conducted using qualitative means. Protocol will include visual inspection of work activities by construction crews and inspectors to identify if water or sediment is leaving the work area. Site conditions will be photodocumented. The standard is that no water or sediment will leave the diversion ditch.

- **E. The timeframe and responsible party for determining attainment of performance standards:**
  Site conditions will be inspected prior to construction, during construction, and upon completion. Inspections will be conducted by individuals approved by the Mid Klamath Watershed Council.

- **F. Monitoring schedule:**
  One inspection prior to construction, inspections during construction, and one inspection following construction.

- **G. Annual Reporting Schedule for the period stated as required for achievement of performance standards:**
  A final report summarizing the inspections and including photodocumentation will be performed following completion of the project.

### REPORTING PLAN

- **A. Summary of findings:**
  A summary of the activities undertaken along with the photographs from the project will be submitted upon the completion of the project.

- **B. Identification and discussion of problems with achieving performance standards:**
  Given the nature of the project, no problems with achieving performance standards associated with installing the pipe will occur.
C. Proposed corrective measures (requires Regional Water Board approval):
Given the nature of the project, no corrective actions will be required in the approximately 12 day work period to install the pipe.

D. Monitoring data:
All monitoring data will be provided at the completion of the project.

IX. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)
All projects utilizing this General 401 Certification form must comply with the terms of the California Environmental Quality Act. The General 401 Certification was designed for use with the Categorical Exemption for Small Habitat Restoration Projects (CEQA Title 14, Chapter 3, Article 19, Section 15333), although other CEQA analyses may also be used. Please review the categorical exemption to ensure conformance with CEQA (http://ceres.ca.gov/ceqa/guidelines/15300-15333_web.pdf).

This project conforms to the requirements of CEQA through the Categorical Exemption for Small Habitat Restoration Projection (Section 15333).

APPLICATION REQUIREMENTS AND FEES

<table>
<thead>
<tr>
<th>Permit:</th>
<th>Submit Application to following agencies:</th>
<th>Time Restrictions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>General 401 Certification for Small Habitat Restoration Projects:</td>
<td>Program Manager, Certification and Wetlands Program, Regional Water Quality Control Board (address to appropriate Regional Water Board Board)</td>
<td>Must be submitted at least 30 days prior to proposed discharge.</td>
</tr>
<tr>
<td>Fees:</td>
<td>Fees are subject to the most current Dredge &amp; Fee calculator. Refer to the resources for applicants section of the Dredge/Fill (401) and Wetlands program web site for the most current fee information.</td>
<td><a href="http://www.waterboards.ca.gov/water_issues/programs/cwa401/#resources">http://www.waterboards.ca.gov/water_issues/programs/cwa401/#resources</a></td>
</tr>
</tbody>
</table>

X. SIGNATURE / CERTIFICATION
State Water Resources Control Board: Notice of Intent to Comply with the Terms of General Water Quality Certification for Small Habitat Restoration Projects
I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to ensure that qualified personnel property gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment. Additionally, I certify that all provisions of the permit will be complied with, including development and implementation of a monitoring plan.

{CW020928.2}
knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment. Additionally, I certify that all provisions of the permit will be complied with, including development and implementation of a monitoring plan.

---------------------

Applicant Signature

Douglas T. Cole

Printed Name

Date

05/19/2016
Attachment #1: Additional Description of Proposed Marble Mountain Ditch Improvements

Project Objective:

The project proposes to construct measures to prevent entrainment of fishes into the existing Marble Mountain Diversion, increase flows in Stanshaw Creek by eliminating diversion flow transmission losses in about 3200 feet of the existing Marble Mountain Diversion ditch, and control flow into the diversion. Once constructed water diverted into the ditch will be consumptively used. No flows will be returned to Stanshaw or Irving Creek.

Control of Water:

All work will be conducted in the ditch. No work will be conducted in the stream. The work area will be isolated from the stream with a sandbag and plastic sheet barrier. The barrier will be placed in the ditch near the point of diversion. The barrier will prevent creek flow from entering the diversion. Work areas will be further blocked with sandbag barriers to control any water that enters the ditch from surrounding land. No water on the ditch side of the barrier will be returned to the creek.

Infrastructure:

Project features include a prefabricated CDFW and NMFS approved passive fish screen, 6-inch diameter PVC pipe, 6” gate valve, and tee to supply water to the domestic water treatment facility. A Pump-Rite L250 fish screen will be placed in the ditch and connected to the 6 inch PVC pipe with a compression coupling. The screen will be located about 15 feet downditch from the point of diversion. A plug constructed of native material with plastic sheet cutoffs will be installed in the ditch to prevent creek flows from entering the ditch. The plug will be about 8 to 10 feet long as measured longitudinally along the ditch. The plug exterior will be armored with native gravels harvested from the ditch. The pipe will be laid on the ditch bed. Isolated high points along the ditch bed will be smoothed to allow the pipe to be placed on an even grade. Excess material from the bed smoothing will be used to construct the plug. An inline gate valve will be placed on the pipe on the down ditch side of the plug.

A temporary flow measurement weir will be constructed at the pipe outlet near the existing forebay. A Doppler flow meter is proposed near the existing hydropower facility. Design of the Doppler flow meter is ongoing.
Figure 1. Project Location Map. Marble Mountain Ranch and the Stanshaw Creek Diversion Ditch. Base image is a 2010 1-meter LiDAR DEM Hillshade, provided by the Mid-Klamath Watershed Council.
May 16, 2016

Mr. Doug Cole
Marble Mountain Ranch
92520 CA-96
Somis Bar, CA 95568

Subject: No Lake or Streambed Alteration Agreement Needed
Notification No. 1600-2016-0198-R1
Marble Mountain Ranch Fish Screen, Gate Valve & Pipeline Installation Project
Stanshaw Creek, Tributary to the Klamath River, Siskiyou County

Dear Mr. Cole:

The California Department of Fish and Wildlife (Department) has reviewed your Lake or Streambed Alteration Notification (Notification). We have determined that your project is subject to the Notification requirement in Fish and Game Code Section 1602.

The Department has also determined that your Fish Screen, Gate Valve & Pipeline Installation Project (Project) as proposed will not substantially adversely affect an existing fish or wildlife resource. As a result, you will not need a Lake or Streambed Alteration Agreement for your proposed construction Project. You are responsible for complying with all applicable local, state, and federal laws in completing your work. A copy of this letter and your Notification with all attachments should be available at all times at the work site.

Please note that if you change your construction Project so that it differs materially from the Project you described in your original Notification, you will need to submit a new Notification and corresponding fee to the Department. In addition, the Department would like to remind you that you will need to submit a separate Lake or Streambed Alteration Notification by December 31, 2016 for the “act of diverting water” pursuant to your water right. The Department will then determine if your diversion of water is considered a substantial impact to the stream and aquatic resources, and, if necessary, issue a Lake or Streambed Alteration Agreement.

Thank you for notifying us of your construction Project. If you have any questions, please contact me at (530) 225-2314 or Donna.Cobb@wildlife.ca.gov.

Sincerely,

Donna L. Cobb
Aquatic Conservation Planning Supervisor

ec: North Coast Regional Water Quality Control Board, NorthCoast@Waterboards.ca.gov
Will Harling, MKWC, will@mkwc.org

Conserving California’s Wildlife Since 1870
STATE OF CALIFORNIA
DEPARTMENT OF FISH AND WILDLIFE
NOTIFICATION OF LAKE OR STREAMBED ALTERATION

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

1. APPLICANT PROPOSING PROJECT

<table>
<thead>
<tr>
<th>Name</th>
<th>Doug Cole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business/Agency</td>
<td>Marble Mountain Ranch</td>
</tr>
<tr>
<td>Street Address</td>
<td>92520 CA-96</td>
</tr>
<tr>
<td>City, State, Zip</td>
<td>Somes Bar, CA, 95568</td>
</tr>
<tr>
<td>Telephone</td>
<td>(530) 469-3322</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:guestranch@marblemountainranch.com">guestranch@marblemountainranch.com</a></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Will Harling - Mid Klamath Watershed Council</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address</td>
<td>38150 Highway 96</td>
</tr>
<tr>
<td>City, State, Zip</td>
<td>Orleans, CA 95556</td>
</tr>
<tr>
<td>Telephone</td>
<td>(530) 627-3202</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:will@mkwc.org">will@mkwc.org</a></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address</td>
<td></td>
</tr>
<tr>
<td>City, State, Zip</td>
<td></td>
</tr>
<tr>
<td>Telephone</td>
<td></td>
</tr>
<tr>
<td>Email</td>
<td></td>
</tr>
</tbody>
</table>

4. PROJECT NAME AND AGREEMENT TERM

| A. Project Name                  | Marble Mountain Ranch Ditch Maintenance |
| B. Agreement Term Requested      | ☑ Regular (5 years or less) |
| C. Project Term                  | D. Seasonal Work Period          |
| Beginning (year)                 | Ending (year)                    | Start Date (month/day) | End Date (month/day) |
| 2016                             | 2016                             | May/12                 | June/30              |
| E. Number of Work Days           | Approx. 12                       |
NOTIFICATION OF LAKE OR STREAMBED ALTERATION

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

A. ☐ 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: S016375

E. ☐ Routine Maintenance (Attachment D)

F. ☐ CDFW Fisheries Restoration Grant Program (FRGP)  
   FRGP Contract Number: _______________________

G. ☐ Master

H. ☐ Master Timber Harvesting

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

<table>
<thead>
<tr>
<th>A. Project</th>
<th>B. Project Cost</th>
<th>C. Project Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

D. Base Fee (if applicable)
E. TOTAL FEE ENCLOSED

7. PRIOR NOTIFICATION OR ORDER

A. Has a notification previously been submitted to, or a Lake or Streambed Alteration Agreement previously been issued by, the Department for the project described in this notification?

☐ Yes (Provide the information below)  ☐ No

Applicant: ________________________  Notification Number: ________________________  Date: ________________________

B. Is this notification being submitted in response to an order, notice, or other directive ("order") by a court or administrative agency (including the Department)?

☐ No  ☐ Yes (Enclose a copy of the order, notice, or other directive. If the directive is not in writing, identify the person who directed the applicant to submit this notification and the agency he or she represents, and describe the circumstances relating to the order.)

☐ Continued on additional page(s)
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)

The project is located on Stanshaw Creek about 0.87 miles upstream of the confluence with the Klamath River and about 8 miles north of Somes Bar.

The project will convey diverted flow in a pipe from an existing point of diversion on Stanshaw Creek to Marble Mountain Ranch. Construction activities will be entirely within the existing ditch, beginning about 15 feet downditch from the point of diversion. A CDFW/NMFS compliant cylindrical passive fish screen will be placed in the ditch and connected to a 6 inch diameter plastic irrigation pipe. A gate valve will be installed along the pipe within about 20 feet of the connection with the screen. Material from the ditch will be placed around the pipe and compacted to form a barrier that prevents creek flow from being conveyed down the ditch. The barrier will be armored with native gravel to prevent erosion. The pipe will be placed on the existing ditch bottom. Grading within the ditch will be limited to smoothing the ditch bottom to form a level surface to place the pipe.

B. River, stream, or lake affected by the project. | Stanshaw Creek

C. What water body is the river, stream, or lake tributary to? | Klamath 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 | Siskiyou

F. USGS 7.5 Minute Quad Map Name | Bark Shanty Gulch, CA
G. Township | 13N
H. Range | 6E
I. Section | 33
J. ¼ Section | NW

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

L. Assessor’s Parcel Number(s)

U.S. Forest Service Land

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

| Latitude/Longitude | Latitude: 42.472346N | Longitude: 123.50418W |
| 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 AND WORK TYPE (Check each box that applies)

<table>
<thead>
<tr>
<th>PROJECT CATEGORY</th>
<th>NEW CONSTRUCTION</th>
<th>REPLACE EXISTING STRUCTURE</th>
<th>REPAIR/MAINTAIN EXISTING STRUCTURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bank stabilization – bioengineering/recontouring</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bank stabilization – rip-rap/retaining wall/gabion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boat dock/pier</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boat ramp</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bridge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Channel clearing/vegetation management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Culvert</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Debris basin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dam</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diversion structure – weir or pump intake</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filling of wetland, river, stream, or lake</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geotechnical survey</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Habitat enhancement – revegetation/mitigation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Levee</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low water crossing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Road/trail</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sediment removal – pond, stream, or marina</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storm drain outfall structure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temporary stream crossing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Utility crossing: Horizontal Directional Drilling</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jack/bore</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Open trench</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (specify):</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
10. PROJECT DESCRIPTION

A. Describe the project in detail. Photographs of the project location and immediate surrounding area should be included:
   - Include any structures (e.g., rip-rap, culverts, or channel clearing) that will be placed, built, or completed in or near the stream, river, or lake.
   - Specify the type and volume of materials that will be used.
   - If water will be diverted or drafted; specify the purpose or use.

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

The project will convey diverted flow in a pipe from an existing point of diversion on Stanshaw Creek to Marble Mountain Ranch. Construction activities will be entirely within the existing ditch, beginning about 15 feet downditch from the point of diversion. A cylindrical passive fish screen will be placed in the ditch and connected to a 6 inch diameter plastic irrigation pipe. A gate valve will be installed along the pipe within about 20 feet of the connection with the screen. Material from the ditch will be placed around the pipe and compacted to form a barrier that prevents creek flow from being conveyed down the ditch. The barrier will be armored with native gravel to prevent erosion. The pipe will be placed on the existing ditch bottom. Grading within the ditch will be limited to smoothing the ditch bottom to form a level surface to place the pipe.

Less than 10 cubic yards of material will be excavated and placed. All excavation and fill will occur within the ditch and outside of Stanshaw Creek.

Construction will occur outside of the wetted channel. No water will be diverted or drafted for construction purposes. Piped water will not be returned to Stanshaw Creek and will be put to existing beneficial uses at Marble Mountain Ranch.

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

mini excavator, all terrain vehicles with trailers, shovels, picks other hand tools.

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

☐ Continued on additional page(s)
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.

The project will be constructed outside of the bed, channel, bank of Stanshaw Creek.

B. Will the project affect any vegetation? □ Yes (Complete the tables below) □ No

<table>
<thead>
<tr>
<th>Vegetation Type</th>
<th>Temporary Impact</th>
<th>Permanent Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Linear feet:</td>
<td>Linear feet:</td>
</tr>
<tr>
<td></td>
<td>Total area:</td>
<td>Total area:</td>
</tr>
<tr>
<td></td>
<td>Linear feet:</td>
<td>Linear feet:</td>
</tr>
<tr>
<td></td>
<td>Total area:</td>
<td>Total area:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tree Species</th>
<th>Number of Trees to be Removed</th>
<th>Trunk Diameter (range)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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.
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.

A temporary sandbag barrier will be placed near the upstream end of the ditch to prevent water from entering the ditch and work area.

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

The temporary sandbag barrier will prevent fish and water from entering the stream. Following placement of the sandbag barrier, the dewatered ditch shall be inspected for aquatic organisms. Aquatic organisms will be collected and returned to the creek.

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

The temporary sandbag barrier will prevent water and fish from entering the ditch. Construction activities occur in unvegetated areas.

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. ________________________________ ☐ Applied ☐ Issued

B. ________________________________ ☐ Applied ☐ Issued

C. ________________________________ ☐ Applied ☐ Issued

D. Unknown whether ☐ local, ☐ state, or ☐ federal permit is needed for the project. (Check each box that applies)

☐ Continued on additional page(s)
NOTIFICATION OF LAKE OR STREAMBED ALTERATION

14. ENVIRONMENTAL REVIEW

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

☐ Yes (Check the box for each CEQA, NEPA, CESA, and ESA document that has been prepared and enclose a copy of each)

☐ No (Check the box for each CEQA, NEPA, CESA, and ESA document listed below that will be or is being prepared)

☐ Notice of Exemption  ☐ Mitigated Negative Declaration  ☐ NEPA document (type): ____________

☐ Initial Study  ☐ Environmental Impact Report  ☐ CESA document (type): ____________

☐ Negative Declaration  ☐ Notice of Determination (Enclose)  ☐ ESA document (type): ____________

☐ THP/NTMP  ☐ Mitigation, Monitoring, Reporting Plan

B. State Clearinghouse Number (if applicable)

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

D. CEQA Lead Agency

E. Contact Person  F. Telephone Number

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

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

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

Note: If a filing fee is required, the Department may not finalize a Lake or Streambed Alteration Agreement until the filing fee is paid.

15. SITE INSPECTION

Check one box only.

☐ In the event the Department determines that a site inspection is necessary, I hereby authorize a Department representative to enter the property where the project described in this notification will take place at any reasonable time, and hereby certify that I am authorized to grant the Department such entry.

☐ I request the Department to first contact (insert name) _____________________________ at (insert telephone number) _____________________________ 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]

Signature of Applicant or Applicant's Authorized Representative

[Date]

Date

Doug Cole

Print Name
Attachment #1: Additional Description of Proposed Marble Mountain Ditch Improvements

Project Objective:

The project proposes to construct measures to prevent entrainment of fishes into the existing Marble Mountain Diversion, increase flows in Stanshaw Creek by eliminating diversion flow transmission losses in about 3200 feet of the existing Marble Mountain Diversion ditch, and control flow into the diversion. Once constructed water diverted into the ditch will be consumptively used. No flows will be returned to Stanshaw or Irving Creek.

Control of Water:

All work will be conducted in the ditch. No work will be conducted in the stream. The work area will be isolated from the stream with a sandbag and plastic sheet barrier. The barrier will be placed in the ditch near the point of diversion. The barrier will prevent creek flow from entering the diversion. Work areas will be further blocked with sandbag barriers to control any water that enters the ditch from surrounding land. No water on the ditch side of the barrier will be returned to the creek.

Infrastructure:

Project features include a prefabricated CDFW and NMFS approved passive fish screen, 6-inch diameter PVC pipe, 6" gate valve, and tee to supply water to the domestic water treatment facility. A Pump-Rite L250 fish screen will be placed in the ditch and connected to the 6 inch PVC pipe with a compression coupling. The screen will be located about 15 feet downditch from the point of diversion. A plug constructed of native material with plastic sheet cutoffs will be installed in the ditch to prevent creek flows from entering the ditch. The plug will be about 8 to 10 feet long as measured longitudinally along the ditch. The plug exterior will be armored with native gravels harvested from the ditch. The pipe will be laid on the ditch bed. Isolated high points along the ditch bed will be smoothed to allow the pipe to be placed on an even grade. Excess material from the bed smoothing will be used to construct the plug. An inline gate valve will be placed on the pipe on the down ditch side of the plug.

A temporary flow measurement weir will be constructed at the pipe outlet near the existing forebay. A Doppler flow meter is proposed near the existing hydropower facility. Design of the Doppler flow meter is ongoing.
2013 NFWF Coho Enhancement Fund

Stanshaw Creek Water Conservation Assessment

Grantee Name: Mid Klamath Watershed Council
Quad Names: Bark Shanty, Somes Bar
Stream Name: Stanshaw Creek
Scale: 1:24,000

- MMR Hydroplant
- Project Area
- State Highway/County Road
- Other Road
- Intermittent Stream
- Perennial Stream
- Private Land Within the Forest Boundary

Project Location

[Map of Stanshaw Creek area with project location marked]
Figure 1. Project Location Map. Marble Mountain Ranch and the Stanshaw Creek Diversion Ditch. Base image is a 2010 1-meter LIDAR DEM Hillshade, provided by the Mid-Klamath Watershed Council.

Fiori GeoSciences PO Box 387 Klamath, California 95548.
Landline: 707 482 1029, Mobile and text: 707 496 0762, email: rocco@fiorigeosci.com