

State Water Resources Control Board

Division of Water Quality, 1001 I Street, 15th floor • Sacramento, California 95814 • (916) 341-5455
 Mailing Address: P.O. Box 100 • Sacramento, California • 95812-0100
 FAX (916) 341-5463 • Internet Address: <http://www.waterboards.ca.gov/>

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

ORDER NUMBER: SB12006GN

Regional Water Quality Control Board (Regional Water Board) and State Water Resources Control Board (State Water Board) - FOR AGENCY TRACKING USE ONLY

WDID:	Regional Board Office:	Date NOI Received:	Check No:

I. NOTICE OF INTENT STATUS

MARK ONLY ONE ITEM:	<input checked="" type="checkbox"/> New Application	<input type="checkbox"/> Change of Information for WDID# _____
	<input type="checkbox"/> 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	Fax	Click here to enter text.
E-mail:	guestranch@marblemountainranch.com		

III. PROPERTY OWNER

Check Box if Same As Above

Name:			
Street Address:	Click here to enter text.		
City, County, State, Zip:	Click here to enter text.		
Telephone:	Click here to enter text.	Fax	Click here to enter text.
E-mail:	Click here to enter text.		

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:				<input checked="" type="checkbox"/> 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)				
Latitude/Longitude:	Latitude:	42.472346N	Longitude:	123.50418W
	<input type="checkbox"/> Degrees/Minutes/Seconds <input checked="" type="checkbox"/> Decimal Degrees <input type="checkbox"/> Decimal			
UTM coordinates:	Easting:	Click here to enter text.	Northing:	Click here to enter text.
	Datum or UTM <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83 or WGS 84			
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 <u>Wild and Scenic Rivers Acts</u> ?		<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unknown		
I. Is the watershed listed as impaired under <u>Section 303(d) of the Clean Water Act</u> ?		<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Pollutant Category(ies): Temperature, Sediment	
J. Has a Total Maximum Daily Load been established for the impairment?		<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Unknown	TMDL Name: Klamath River Temperature, Dissolved Oxygen & Microcystin TMDL	

V. PROJECT INFORMATION

A. What is the primary purpose for the project? (check one or more boxes below)				
<input checked="" type="checkbox"/> Fish Habitat Improvement	<input type="checkbox"/> Wetland Restoration	<input type="checkbox"/> Native Plant Restoration	<input type="checkbox"/> Bioengineering	
<input type="checkbox"/> Barrier Removal	<input type="checkbox"/> Stream Bank Stabilization	<input type="checkbox"/> Sediment Control Project	<input type="checkbox"/> Invasive Plant Control	
<input type="checkbox"/> Large Woody Material Enhancement	<input type="checkbox"/> Watercourse Crossing Replacement			
<input type="checkbox"/> Other: Click here to enter text.				

V. PROJECT INFORMATION (Cont.)

B. Estimated Project Term:	Beginning (May/2016)	May 2016	Ending (June/2016)	June 2016
C. Seasonal Work Period:	Summer, dry season			
D. Estimated Total Number of Work Days:	Approximately 12			
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. (<i>Attach additional sheets as needed</i>).				
<p>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. Additional project information including plans are included on the attached pages.</p>				
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:			<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> 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.			<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> 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.).			<input checked="" type="checkbox"/> 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).			<input checked="" type="checkbox"/> I verify this to be true.	

{CW020928.2}

K. Verify that this project shall not exceed five acres or 500 linear feet of stream bank or coastline.

I verify this to be true.

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 Pesticides¹
 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.

<u>Material Type</u>	<u>Volume or Number</u>	<u>Temporary Effect</u>	<u>Permanent Effect</u>
1. Pipe Material		<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
2. Click here to enter text.	Click here to enter text.	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
3. Click here to enter text.	Click here to enter text.	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
4. Click here to enter text.	Click here to enter text.	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no
5. Click here to enter text.	Click here to enter text.	<input type="checkbox"/> yes <input type="checkbox"/> no	<input type="checkbox"/> yes <input type="checkbox"/> no

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 (lineal feet does not apply) as "Non-jurisdictional Areas."

Project Size Calculator is attached.

Water Body Type	Temporary Impact		Permanent Impact	
	Acres	Lineal Feet	Acres	Lineal feet
Wetland	0	0	0	0
Riparian	0	0	0	0
Streambed/Stream bank	0	0	0	0
Lake/Reservoir	0	0	0	0
Ocean/Estuary/Bay	0	0	0	0
Non-jurisdictional Areas ²	0		0	
TOTAL AREA AFFECTED:	0	0	0	0

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
 Monitoring Plan is attached (check box)
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 actives 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 photodocumation will be performed following completion of the project.

REPORTING PLAN
 Reporting Plan is attached (check box)

Monitoring Reports shall be submitted by the applicant on an annual basis to the appropriate agencies as provided in the Monitoring Plan, documenting status of achievement of performance standards and project goals. Monitoring Reports shall include:

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).

 yes

 no

 Other CEQA Document
Click here to enter text.
APPLICATION REQUIREMENTS AND FEES

Permit:	Submit Application to following agencies:	Time Restrictions:
General 401 Certification for Small Habitat Restoration Projects:	Program Manager, Certification and Wetlands Program, Regional Water Quality Control Board (address to appropriate Regional Water Board Board)	Must be submitted at least 30 days prior to proposed discharge.
Fees:	Fees are subject to the most current Dredge & 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. http://www.waterboards.ca.gov/water_issues/programs/cwa401/#resources	

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 properly 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.

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.

Douglas T. Cole

Applicant Signature

05/19/2016

Date

Douglas T. Cole

Printed 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.



Location	Station, N	Elevation, N NAVD	Survey Point
HWY Road	825.13	305	
Orch Road or Orchard	853.87	1	
Orch Road or Hydro	869.27	701	
Drive to Isidras	856.49	140	
Drive to Isidras	851.48	543	
Drive to Isidras	853.35	539	
Hand	0	874.51	538
Pipe at Hydro	380	889.51	307
Pipe at Forebay	1436	1096.48	216
Ditch	1470	1306.21	238
Ditch	1858	1307.31	294
Ditch	1768	1155.33	446
POD	4665	1122.23	503

Location to Location	Distance, N	Elev difference, N	Slope, Pct
Forebay to Hydro	455	208.98	0.4632
POD to Hydro	3685	232.73	0.0632
Hay to Pipe at Hydro	450	64.17	0.1430
Forebay to Det. Road or Orchard	804	278.25	0.3201
Ditch or Forebay to Det. Road or Hydro	522	246.41	0.4724

Image courtesy of USGS Earthstar Geographics, SIO © 2015 Microsoft Corporation

Mid-Klamath Watershed Council
 P O Box 409
 Orleans, CA 95556

Cascade Stream Solutions
 295 East Main, Suite 11
 Ashland, Oregon 97520
 Phone: (541) 864-0492

Drawing Information		Revisions	
Date	No	Date	Description
31 May 2015			
Status	Existing Cond		
Designer	JH		
Drafter	JH		
Checked			
File Name	Marble Mountain Survey Data		
Plotted Scale			

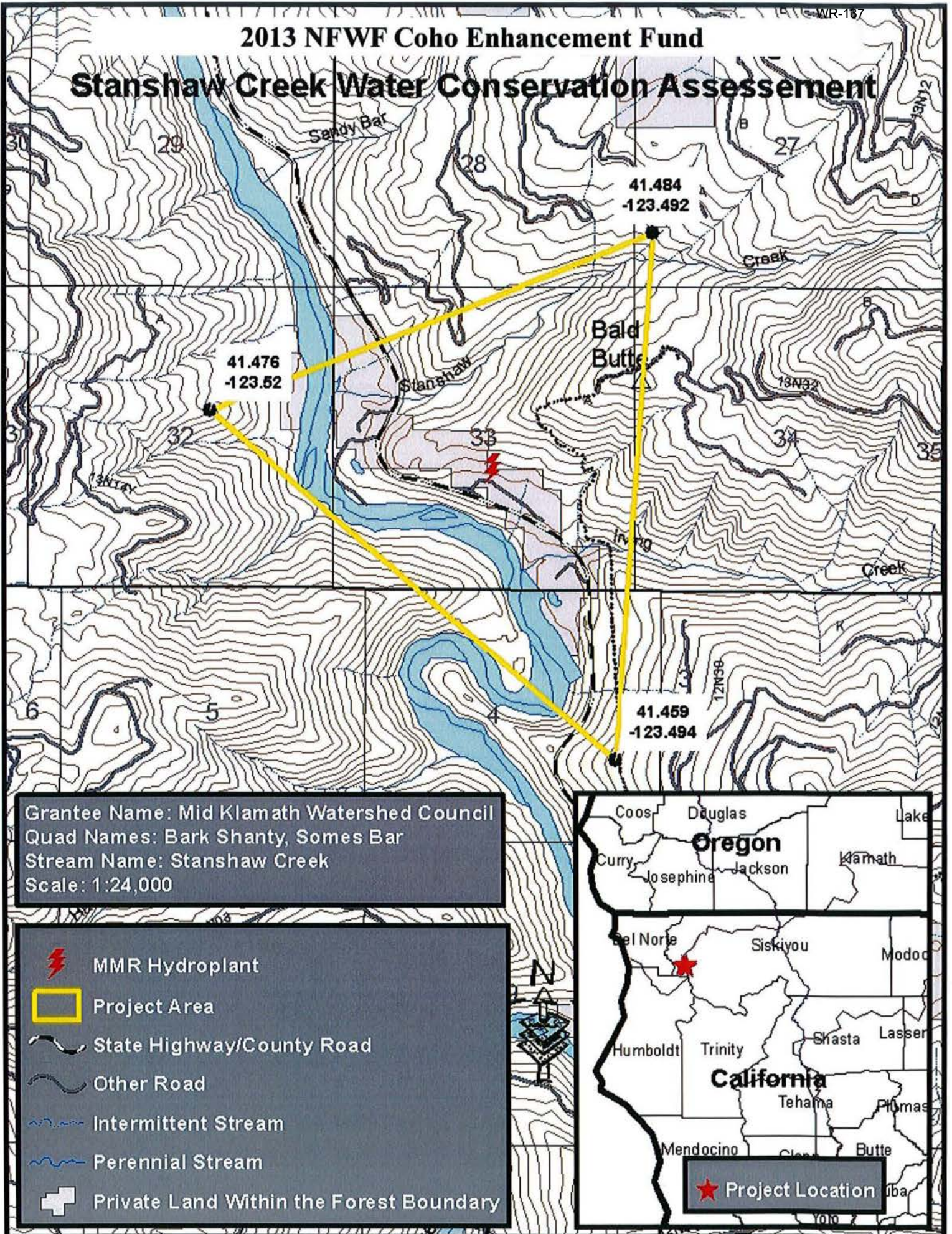
*PRELIMINARY
 NOT FOR CONSTRUCTION*

**Marble Mountain Ranch
 Water Efficiency Study
 Surveyed Elevations**

Job Number 2015-115
Sheet Number 1
Sheet 1 of

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



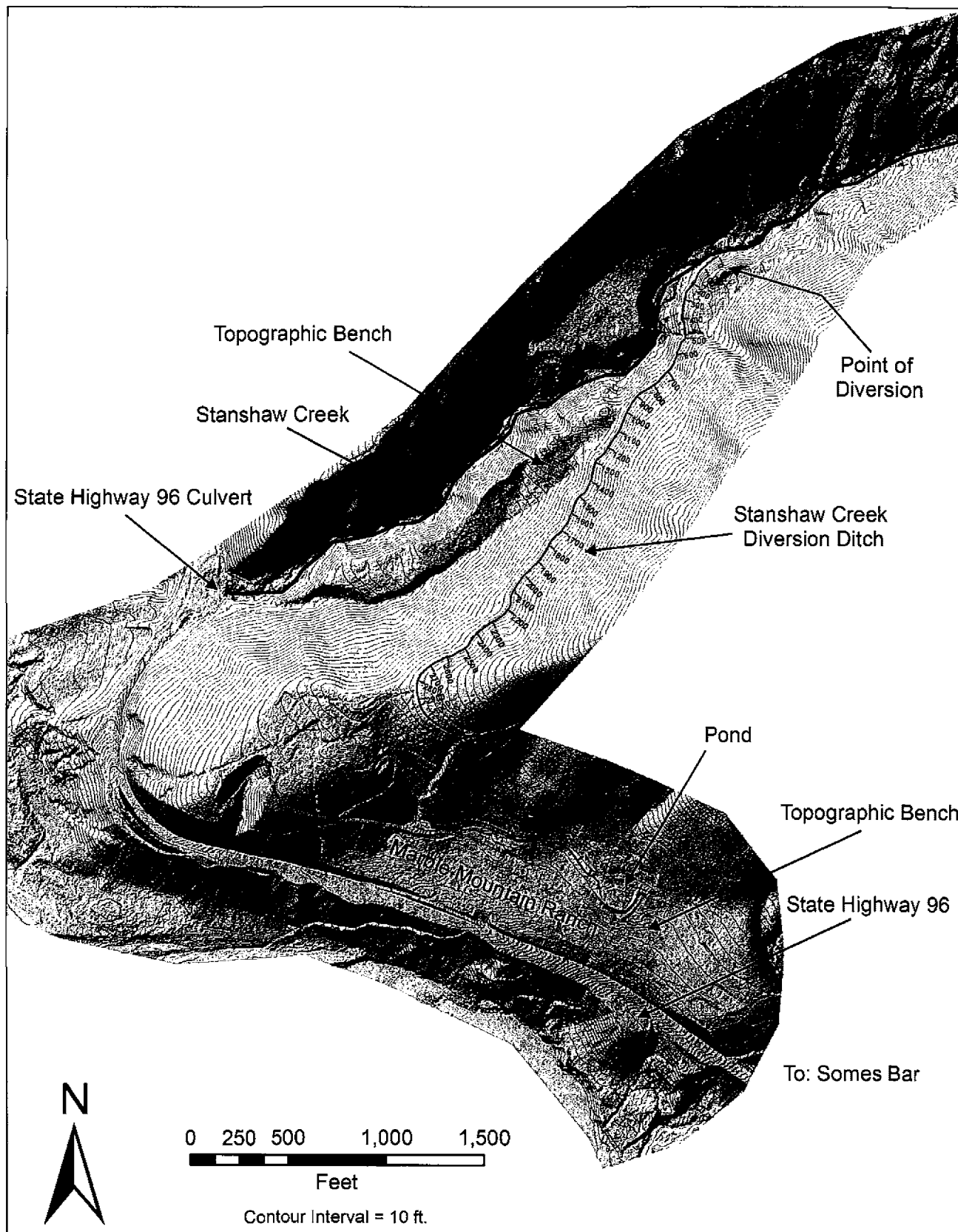
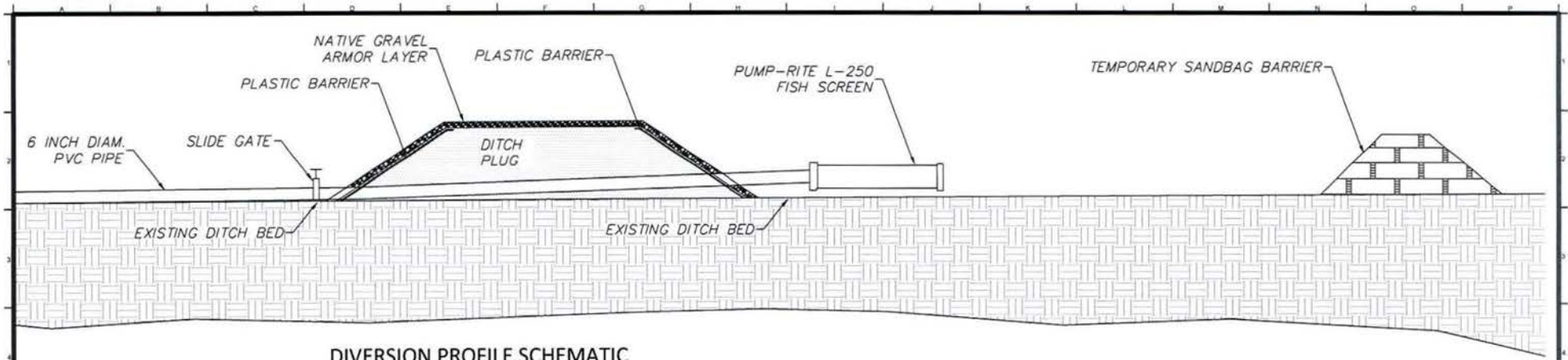


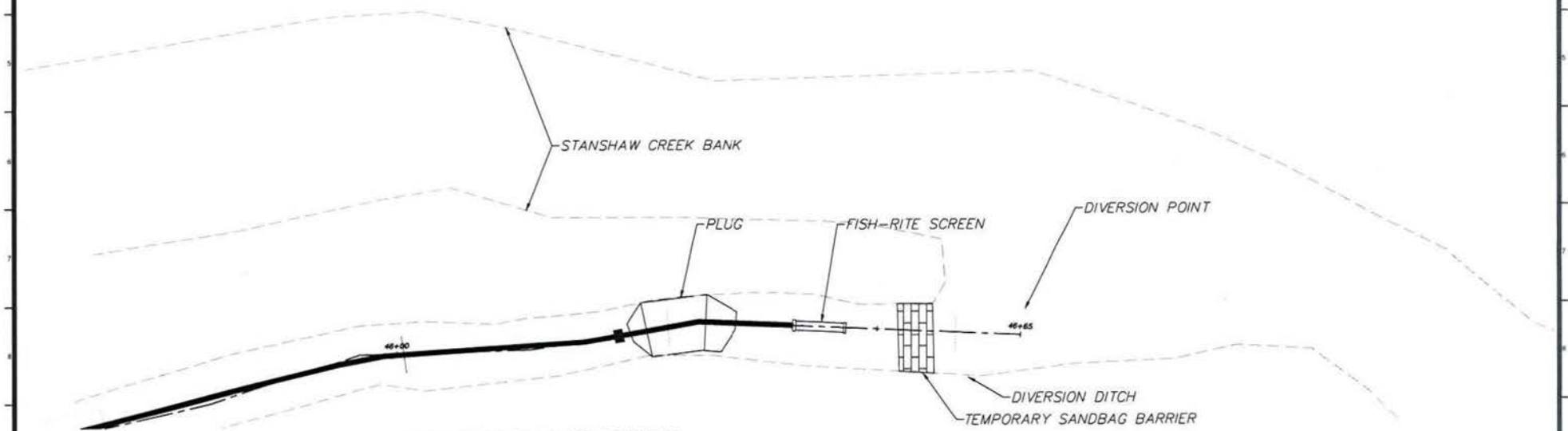
Figure 1. Project Location Map. Marble Mountain Ranch and the Stanshaw Creek Diversion Ditch. Base image is a 2010 1-meter LiDAR DEM Hillshade, provided by the Mid-Klamath Watershed Council.

Fiori GeoSciences PO Box 387 Klamath, California 95548.

Landline: 707 482 1029, Mobile and text: 707 496 0762, email: rocco@fiorigeosci.com



DIVERSION PROFILE SCHEMATIC



DIVERSION PLAN SCHEMATIC



Mid-Klamath Watershed Council
P.O. Box 409
Orleans, CA 95556

Cascade Stream Solutions

295 East Main, Suite 11
Ashland, Oregon 97520
Phone: (541) 854-0492



Drawing Information

Date	12 May 2016
Status	Existing Cond
Designer	jh
Drafter	jh
Checked	
File Name	Marble Mountain Survey Data
Plotted Scale	0 10 20

Revisions

No.	Date	Description

*PRELIMINARY
NOT FOR CONSTRUCTION*

Marble Mountain Ranch
Diversion Modification
Schematic Plan and Profile

Job Number
2015-115

Sheet Number

1

Sheet 1 of 1



California Natural Resources Agency
 DEPARTMENT OF FISH AND WILDLIFE
 Region 1 – Northern
 601 Locust Street
 Redding, CA 96001
 (530) 225-2300
www.wildlife.ca.gov

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



May 16, 2016

Mr. Doug Cole
 Marble Mountain Ranch
 92520 CA-96
 Somes 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

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

Conserving California's Wildlife Since 1870

FOR DEPARTMENT USE ONLY

Date Received	Amount Received	Amount Due	Date Complete	Notification No.
	\$	\$		



STATE OF CALIFORNIA
DEPARTMENT OF FISH AND WILDLIFE
NOTIFICATION OF LAKE OR STREAMBED ALTERATION



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

1. APPLICANT PROPOSING PROJECT

Name	Doug Cole		
Business/Agency	Marble Mountain Ranch		
Street Address	92520 CA-96		
City, State, Zip	Somes Bar, CA, 95568		
Telephone	(530) 469-3322	Fax	
Email	gustranch@marblemountainranch.com		

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

Name	Will Harling - Mid Klamath Watershed Council		
Street Address	38150 Highway 96		
City, State, Zip	Orleans, CA 95556		
Telephone	(530) 627-3202	Fax	
Email	will@mkwc.org		

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		Marble Mountain Ranch Ditch Maintenance		
B. Agreement Term Requested		<input checked="" type="checkbox"/> Regular (5 years or less) <input type="checkbox"/> Long-term (greater than 5 years)		
C. Project Term		D. Seasonal Work Period		E. Number of Work Days
Beginning (year)	Ending (year)	Start Date (month/day)	End Date (month/day)	
2016	2016	May/12	June/30	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.	<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>S016375</u>
E.	<input type="checkbox"/> Routine Maintenance (Attachment D)	
F.	<input type="checkbox"/> CDFW Fisheries Restoration Grant Program (FRGP)	FRGP Contract Number _____
G.	<input type="checkbox"/> Master	
H.	<input type="checkbox"/> Master Timber Harvesting	

6. FEES

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

	A. Project	B. Project Cost	C. Project Fee
1			
2			
3			
4			
5			
		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)

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

8. PROJECT LOCATION

A. Address or description of project location. <i>(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)</i>				
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.				
<input type="checkbox"/> Continued on additional page(s)				
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?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
E. County	Siskiyou			
F. USGS 7.5 Minute Quad Map Name	G. Township	H. Range	I. Section	J. ¼ Section
Bark Shanty Gulch, CA	13N	6E	33	NW
<input type="checkbox"/> Continued on additional page(s)				
K. Meridian (check one)	<input checked="" type="checkbox"/> Humboldt <input type="checkbox"/> Mt. Diablo <input type="checkbox"/> San Bernardino			
L. Assessor's Parcel Number(s)				
U.S. Forest Service Land				
<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: 42.472346N		Longitude: 123.50418W	
	<input checked="" 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		

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

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

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

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

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.

Continued on additional page(s)

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.

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

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

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.

Continued on additional page(s)

B. Will the project affect any vegetation?

Yes (Complete the tables below) No

Vegetation Type	Temporary Impact	Permanent Impact
	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____
	Linear feet: _____ Total area: _____	Linear feet: _____ Total area: _____

Tree Species	Number of Trees to be Removed	Trunk Diameter (range)

Continued on additional page(s)

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

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

Continued on additional page(s)

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

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.

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

<p>A. Describe the techniques that will be used to prevent sediment from entering watercourses during and after construction.</p> <p>A temporary sandbag barrier will be placed near the upstream end of the ditch to prevent water from entering the ditch and work area.</p> <p style="text-align: right;"><input type="checkbox"/> <i>Continued on additional page(s)</i></p>
<p>B. Describe project avoidance and/or minimization measures to protect fish, wildlife, and plant resources.</p> <p>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.</p> <p style="text-align: right;"><input type="checkbox"/> <i>Continued on additional page(s)</i></p>
<p>C. Describe any project mitigation and/or compensation measures to protect fish, wildlife, and plant resources.</p> <p>The temporary sandbag barrier will prevent water and fish from entering the ditch. Construction activities occur in unvegetated areas.</p> <p style="text-align: right;"><input type="checkbox"/> <i>Continued on additional page(s)</i></p>

13. PERMITS

<p>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.</p>	
<p>A. _____</p>	<p><input type="checkbox"/> Applied <input type="checkbox"/> Issued</p>
<p>B. _____</p>	<p><input type="checkbox"/> Applied <input type="checkbox"/> Issued</p>
<p>C. _____</p>	<p><input type="checkbox"/> Applied <input type="checkbox"/> Issued</p>
<p>D. Unknown whether <input type="checkbox"/> local, <input type="checkbox"/> state, or <input type="checkbox"/> federal permit is needed for the project. <i>(Check each box that applies)</i></p>	
<p><input type="checkbox"/> <i>Continued on additional page(s)</i></p>	

NOTIFICATION OF LAKE OR STREAMBED ALTERATION

14. ENVIRONMENTAL REVIEW

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

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

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

B. State Clearinghouse Number (if applicable) _____

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

D. CEQA Lead Agency _____

E. Contact Person _____

F. Telephone Number _____

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

Continued on additional page(s)

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

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

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

15. SITE INSPECTION

Check one box only.

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

Doug Cole

Signature of Applicant or Applicant's Authorized Representative

5/12/2014

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.



Location	Elevation, ft	Survey PI No.
HWY Road	825.13	305
Dirt Road or Orchard	853.87	1
Dirt Road or Hydro	869.22	201
Drive to hydro	864.49	540
Drive to hydro	851.48	543
Drive to hydro	853.35	539
Pond	874.33	148
Pipe at Hydro	980	209.5
Pipe at Forebay	1436	1096.48
Ditch	1470	1106.21
Ditch	1658	1107.31
Ditch	1768	1115.35
POD	4685	1122.21

Location to Location	Distance, ft	Elev Difference, ft	Slope, ft/ft
Forebay to Hydro	495	208.98	0.4683
POD to Hydro	1685	232.73	0.0632
Hy to Pipe at Hydro	450	84.37	0.1470
Forebay to Dirt Road or Orchard	864	221.96	0.3022
Ditch or Forebay to Dirt Road or Hydro	522	246.61	0.4724

Image courtesy of USGS Earthstar Geographics SIO © 2015 Microsoft Corporation

Mid-Klamath Watershed Council
 P. O. Box 409
 Orleans, CA 95556

Cascade Stream Solutions
 295 East Main, Suite 11
 Ashland, Oregon 97520
 Phone: (541) 864-0482

Drawing Information		Revisions	
Date	Status	No.	Date
31 May 2015	Existing Cond		

PRELIMINARY
NOT FOR CONSTRUCTION

Marble Mountain Ranch
Water Efficiency Study
Surveyed Elevations

Job Number
2015-115

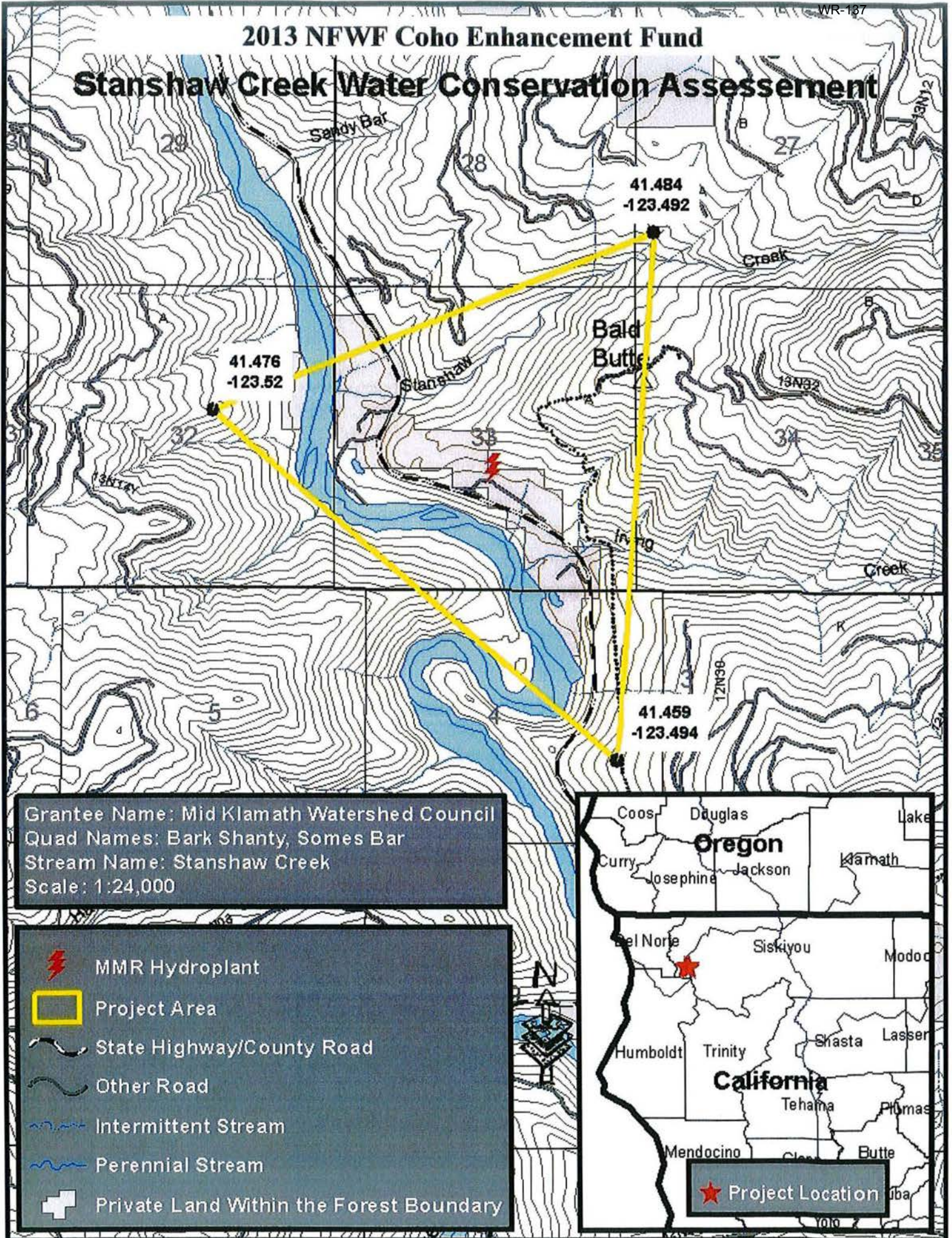
Sheet Number

1

Sheet 1 of

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

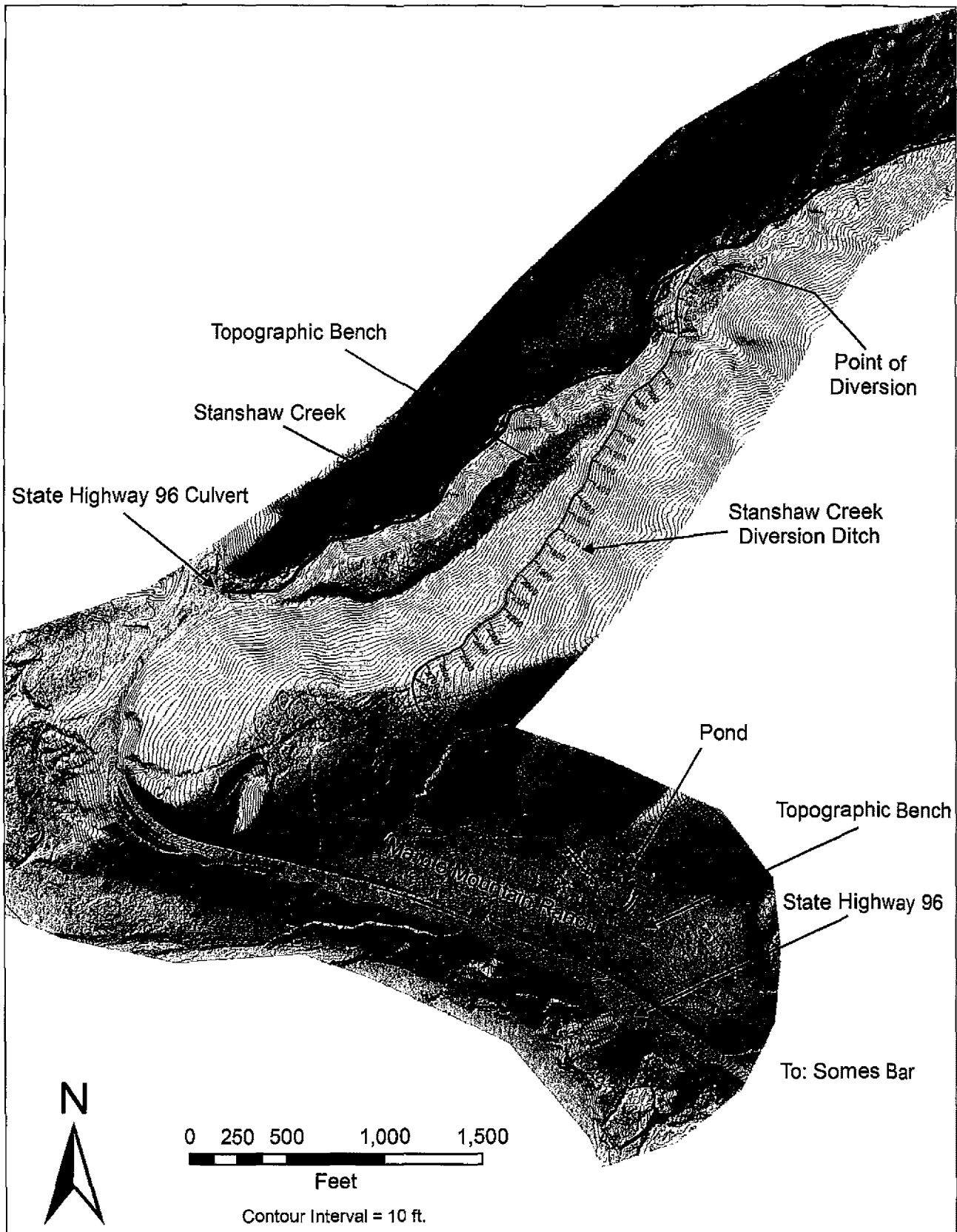
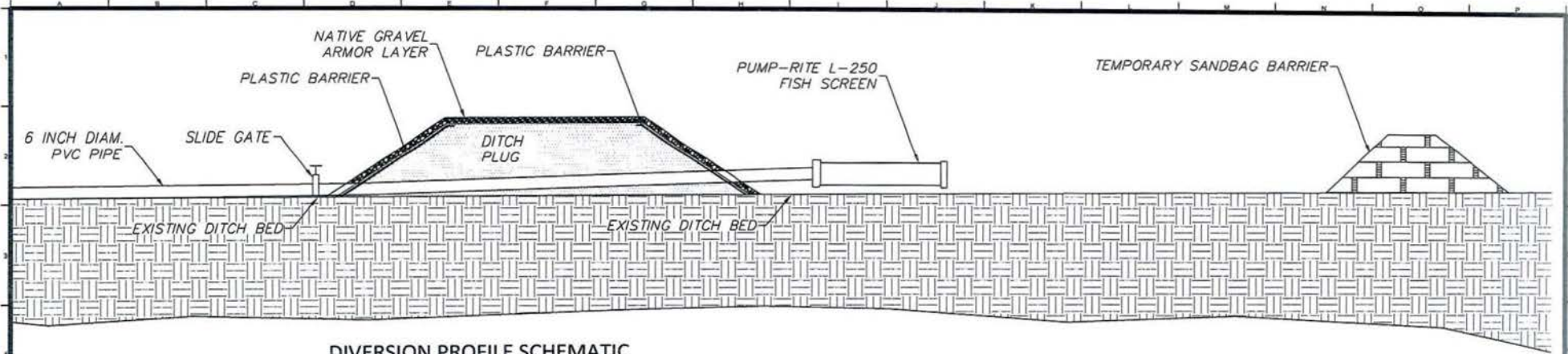


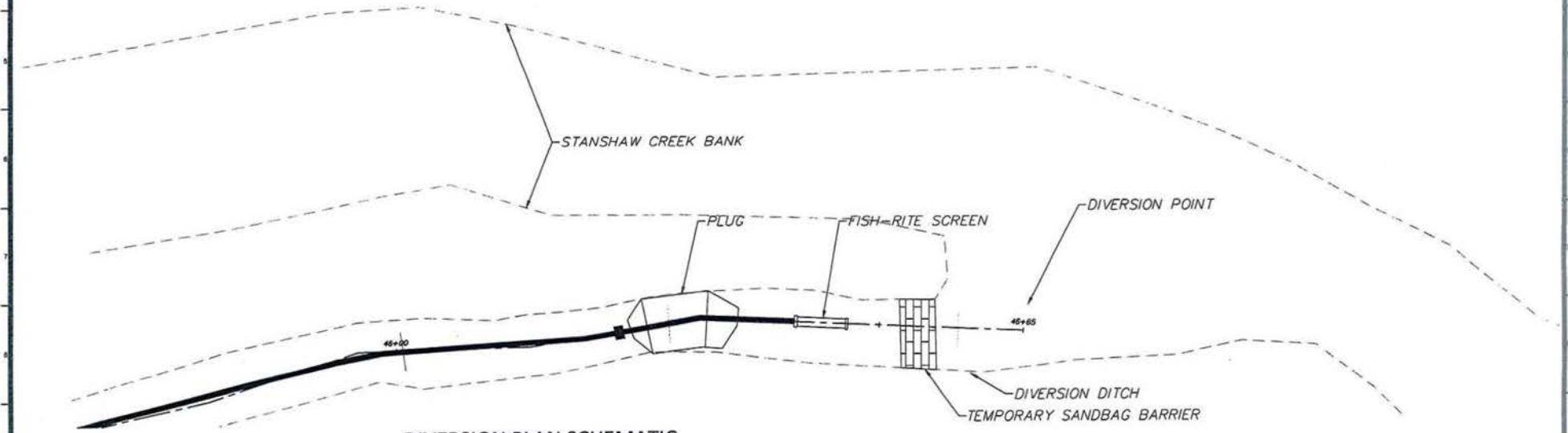
Figure 1. Project Location Map. Marble Mountain Ranch and the Stanshaw Creek Diversion Ditch. Base image is a 2010 1-meter LiDAR DEM Hillshade, provided by the Mid-Klamath Watershed Council.

Fiori GeoSciences PO Box 387 Klamath, California 95548.

Landline: 707 482 1029, Mobile and text: 707 496 0762, email: rocco@fiorigeosci.com



DIVERSION PROFILE SCHEMATIC



DIVERSION PLAN SCHEMATIC



Mid-Klamath Watershed Council
P.O. Box 409
Orleans, CA 95556

Cascade Stream Solutions

295 East Main, Suite 11
Ashland, Oregon 97520
Phone: (541) 884-0492



Drawing Information

Date	12 May 2016
Status	Existing Cond
Designer	jh
Drafter	jh
Checked	
File Name	Marble Mountain Survey Data
Plotted Scale	0 10'

Revisions

No.	Date	Description

PRELIMINARY
NOT FOR CONSTRUCTION

Marble Mountain Ranch
Diversion Modification
Schematic Plan and Profile

Job Number
2015-115

Sheet Number

1

Sheet 1 of 1