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Korbel, C

## **2020 Annual Work Plan for the Master Agreement for Timber Operations and Road Management Waste Discharge Requirements**

### **New Site Revision #6 September 28, 2020**

Pursuant to the Master Agreement for Timber Operations (MATO) (1600-2010-0114-R1) issued by the Department of Fish and Game (DFG) and the Road Management Waste Discharge Requirements (RMDR) (R1-2010-0044) issued by the North Coast Regional Water Quality Control Board (NCRWQCB) an Annual Work Plan (AWP) is required to be submitted by Green Diamond Resource Co (GDRCo) describing all planned activities for 2020 for enrollment under these permits.

Included in this New Site Revision are three crossings associated with the emergency salvage operations proposed for the Moore Tract, adjacent to the Oregon border and within the burn area of the Slater Fire which started in Happy Camp on September 8, 2020. A pre-consultation visit was conducted on September 22, 2020 for Road Point 01. Bridge installation is expected to occur this week, but not prior to Department approval of this New Site Revision.

For Road Point 01, the watershed size was determined to be 856 acres with a predicted 100-year flow event of 944 cfs. Manning's equation determined an appropriate opening under the proposed bridge should be a minimum of 140 square feet which includes the recommended 3 feet of "free-board" to allow debris to pass under safely. The minimum bridge length was determined to be 30 feet with a 7 foot minimum height and minimum 15 foot channel width.

For Road Point 02, the watershed size was determined to be 405 acres with a predicted 100-year flow event of 493 cfs. Manning's equation determined an appropriate opening under the proposed bridge should be a minimum of 90 square feet which includes the recommended 3 feet of "free-board" to allow debris to pass under safely. The minimum bridge length was determined to be 25 feet with a 5 foot minimum height and minimum 15 foot channel width.

All sites included in this revision are subject to a review period of 15 working days to review these revisions. Operations may commence in accordance with the terms of the MATO on the 16th working day following receipt unless the DFG notifies GDRCo before then that:

1. That DFW determines the Revision complete, qualifies for coverage under the MATO and operations may commence.
2. It needs further information, review or discussion.
3. Such New Site Revisions do not qualify for coverage under the MATO.

All correspondence should be directed to the following designated contact person for GDRCo:

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







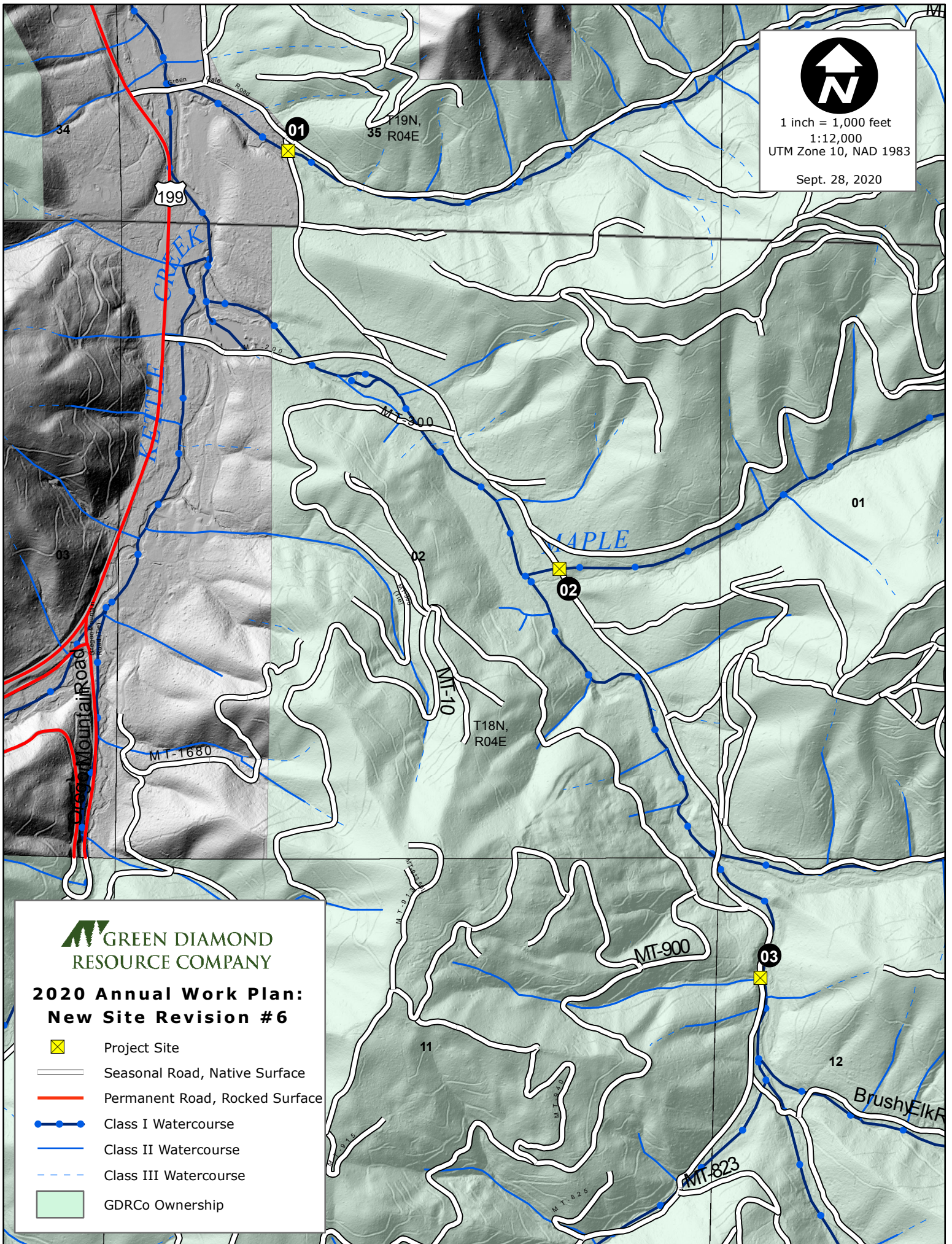
1 inch = 1,000 feet  
1:12,000  
UTM Zone 10, NAD 1983

Sept. 28, 2020



### 2020 Annual Work Plan: New Site Revision #6

-  Project Site
-  Seasonal Road, Native Surface
-  Permanent Road, Rocked Surface
-  Class I Watercourse
-  Class II Watercourse
-  Class III Watercourse
-  GDRCo Ownership





## TMIS - Culvert Report

SiteId	THP#	RDpts#	Acres	Length (Miles)	lower Elevation	Upper Elevation	Altitude	TC	cfs	C.Diam (inches)	C.Diam,Int (inches)	Method
39556	872001	03	47.5	0.59	1859	2734	787.5	6.24	64.84	48	47.34	Rational

Date Print : 9/28/2020

<b>GDRCo#</b>	872001		<b>GDRCo Name</b>	Moore Tract Emergency		
<b>State THP#</b>			<b>Calwater Watershed</b>	Elk Creek	1102.200302	
<b>Road Point</b>	01		<b>Legal Description</b>	T19N	R4E	Sec. 35
<b>Road Name</b>	MT-10		<b>Annual Plan Year</b>	2020		
<b>Road Surface</b>	Admin Rock		<b>Work Timing</b>	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
<b>UTM</b>	N : 440834	E:4649009	<b>Wildlife Restrictions</b>	NO		
<b>Work Type</b>	THP		<b>Road Use Restriction</b>	Permanent		
<b>Hydrologic Planning Area</b>	Non-AHCP Area		<b>Aquatic Hab. Survey Req?</b>	NO		
<b>Project Type</b>	II/III		<b>ECP Req?</b>	NO		
<b>PreConsultation Completed?</b>	YES		<b>1600 Req?</b>	YES		
<b>Fees Paid From Previous AWP</b>	NO					
CURRENT CONDITION : Previously decommissioned Class I crossing on an unnamed tributary to Elk Creek within the Illinois River watershed.						
TREATMENT : *No operations can start until a qualified biologist has cleared the working area within the watercourse of potential fish and amphibian species. The contract administrator and RPF will be notified when operations may commence.*						
The approaches on either side of the crossing may be rebuilt to accommodate the permanent bridge and new abutments. Install a minimum 30 foot permanent bridge with a minimum height of 7 feet from the bottom of the bridge to the bottom of the channel. The channel under the bridge will have a minimum 15 foot width. The minimum area under the bridge will not be less than 140 square feet.						
<b>Excavated Volume</b>	500		<b>Erosion Potential</b>	Low		
<b>Delivery Volume</b>	0		<b>AHCP Priority</b>	NAP		
<b>Disturbed Surface Area</b>	2500		<b>Excavated Materials</b>	Soil,Gravel,Rock and Wood		

Date Print : 9/28/2020

<b>GDRCo#</b>	872001		<b>GDRCo Name</b>	Moore Tract Emergency		
<b>State THP#</b>			<b>Calwater Watershed</b>	Elk Creek	1102.200302	
<b>Road Point</b>	02		<b>Legal Description</b>	T18N	R4E	Sec. 02
<b>Road Name</b>	MT-10		<b>Annual Plan Year</b>	2020		
<b>Road Surface</b>	Admin Rock		<b>Work Timing</b>	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
<b>UTM</b>	N : 0	E:0	<b>Wildlife Restrictions</b>	NO		
<b>Work Type</b>	THP		<b>Road Use Restriction</b>	Permanent		
<b>Hydrologic Planning Area</b>	Non-AHCP Area		<b>Aquatic Hab. Survey Req?</b>	NO		
<b>Project Type</b>	II/III		<b>ECP Req?</b>	NO		
<b>PreConsultation Completed?</b>	NO		<b>1600 Req?</b>	YES		
<b>Fees Paid From Previous AWP</b>	NO					
<p><b>CURRENT CONDITION :</b> Previously decommissioned Class I crossing on Maple Creek a tributary to Elk Creek within the Illinois River watershed.</p>						
<p><b>TREATMENT :</b> *No operations can start until a qualified biologist has cleared the working area within the watercourse area of potential fish and amphibian species. The contract administrator and RPF will be notified when operations may commence.*</p> <p>The approaches on either side of the crossing may be rebuilt to accommodate the permanent bridge and new abutments. Install a minimum 25 foot permanent bridge with a minimum height of 5 feet from the bottom of the bridge to the bottom of the channel. The channel under the bridge will have a minimum 15 foot width. The minimum area under the bridge will not be less than 90 square feet.</p>						
<b>Excavated Volume</b>	50		<b>Erosion Potential</b>	Low		
<b>Delivery Volume</b>	0		<b>AHCP Priority</b>	NAP		
<b>Disturbed Surface Area</b>	500		<b>Excavated Materials</b>	Soil,Gravel,Rock and Wood		

Date Print : 9/28/2020

<b>GDRCo#</b>	872001		<b>GDRCo Name</b>	Moore Tract Emergency		
<b>State THP#</b>			<b>Calwater Watershed</b>	Elk Creek	1102.200302	
<b>Road Point</b>	03		<b>Legal Description</b>	T18N	R4E	Sec. 12
<b>Road Name</b>	MT-800		<b>Annual Plan Year</b>	2020		
<b>Road Surface</b>	Admin Rock		<b>Work Timing</b>	Prior to the Winter Period (Oct.16) of the year of use.		
<b>UTM</b>	N : 0	E:0	<b>Wildlife Restrictions</b>	NO		
<b>Work Type</b>	THP		<b>Road Use Restriction</b>	Permanent		
<b>Hydrologic Planning Area</b>	Non-AHCP Area		<b>Aquatic Hab. Survey Req?</b>	NO		
<b>Project Type</b>	II/III		<b>ECP Req?</b>	NO		
<b>PreConsultation Completed?</b>	NO		<b>1600 Req?</b>	YES		
<b>Fees Payed From Previous AWP</b>	NO					
CURRENT CONDITION : Previously removed Class II crossing which will require a temporary or permanent structure to be installed for operations.						
TREATMENT : Install a temporary crossing and remove prior to October 15th of the year of use; or, install a 48-inch culvert to MATO and FPR standards.						
<b>Excavated Volume</b>	0		<b>Erosion Potential</b>	Low		
<b>Delivery Volume</b>	0		<b>AHCP Priority</b>	NAP		
<b>Disturbed Surface Area</b>	250		<b>Excavated Materials</b>	Soil,Gravel,Rock and Wood		