



California Timberlands Division

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

New Site Revision #7 October 12, 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. However, the area associated with these operations is outside the covered area for both the RMDR and the Aquatic Habitat Conservation Plan (AHCP) in addition to these operations being associated with an approved Notice of Emergency Timber Operations (1-20EM-00126-DEL).

Included in this New Site Revision are 9 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 with the Department on September 22, 2020 for previously enrolled crossings included in New Site Revision #6 which are labeled on the following map.

There are three distinct types of watercourse crossings included in this New Site Revision: crossings without any culvert, previously installed rocked fords and a Class I crossing previously utilized for heavy equipment access in lieu of installing a bridge. The risk of fire induced erosion and debris slides is evident for much of the Moore Tract and the crossings proposed for use have considered that risk in the proposed improvements and use.

Road Points 4-7 are all ephemeral Class III watercourse crossings without culverts. These crossings will be improved by installing rocked dips to allow for stream passage as well as potential debris flows to travel across the road prism to lessen the potential risk of catastrophic erosion.

Road Points 8-11 are also ephemeral Class III watercourses which have previously been upgraded with rocked fords during the previous THP entry. There is concern these watercourses have the potential to flow over the road surface during operations. These rocked fords will be improved by the installation of 24-inch culverts within the structure of the rocked ford to allow stream flows to pass through the ford during operations as well as lessen the risk of catastrophic failure if debris flows were to occur. Road Point 10 and 11 have outboard fill slopes greater than 15 feet in height and will be improved by the installation of rip rap around the culvert to the top of the fill slope.

Road Point 12 is a Class I watercourse crossing (Elk Creek) with existing approaches on either side to accommodate heavy equipment wet crossings rather than installing a temporary or permanent bridge. The option of installing a bridge was not a reasonable alternative given log truck traffic will utilize other routes to Highway 199. It is anticipated two logging sides will utilize this wet crossing to travel from one harvesting area to the other. All fish exclusion protocols will be implemented prior, during and following operations.

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:

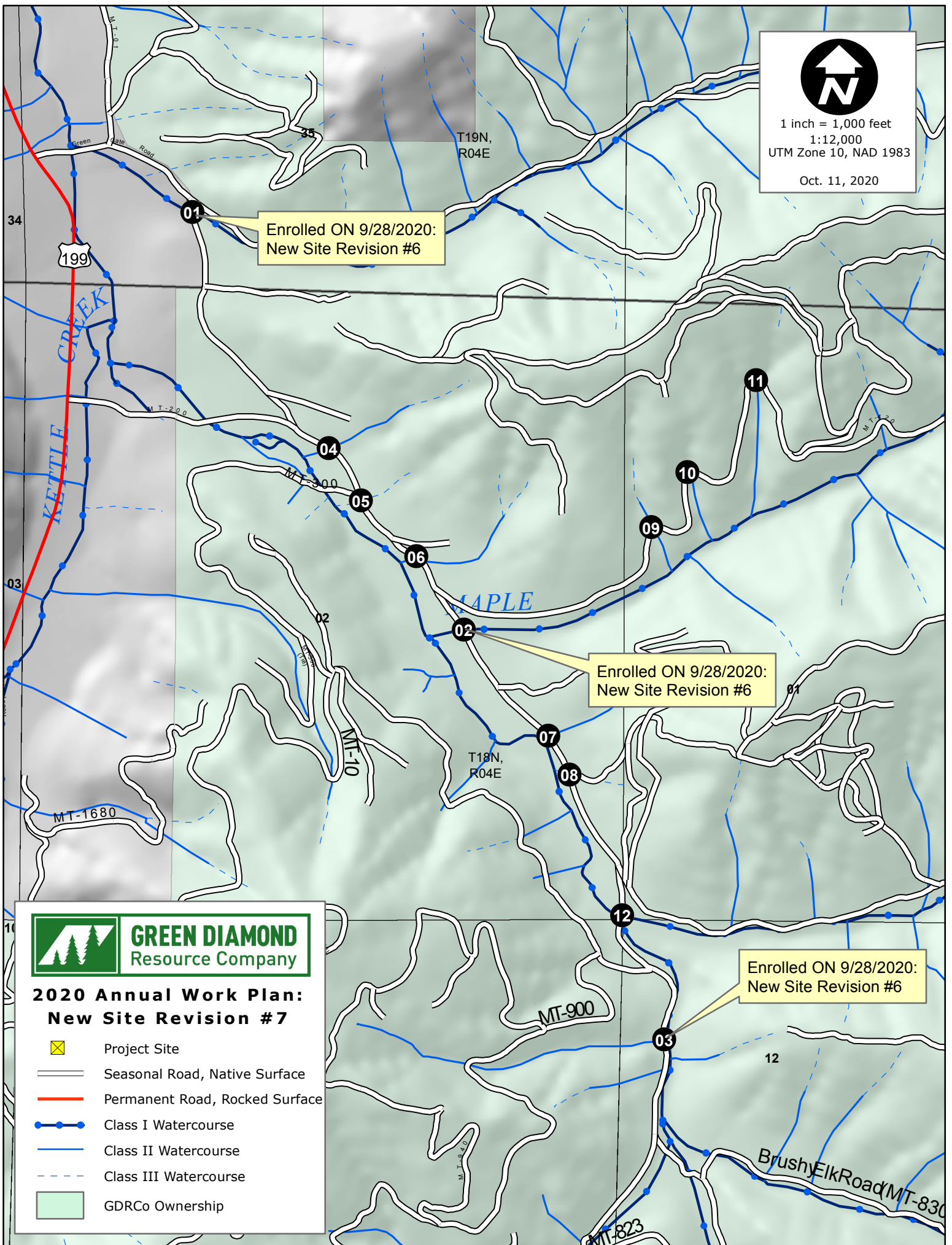
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1 inch = 1,000 feet
1:12,000
UTM Zone 10, NAD 1983
Oct. 11, 2020



Enrolled ON 9/28/2020:
New Site Revision #6




Enrolled ON 9/28/2020:
New Site Revision #6

Enrolled ON 9/28/2020:
New Site Revision #6



GREEN DIAMOND
Resource Company

**2020 Annual Work Plan:
New Site Revision #7**

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

Date Print : 10/10/2020

GDRCo#	872001		GDRCo Name	Moore Tract Emergency 2		
State THP#	1-20EM-00126-DEL		Calwater Watershed	Elk Creek	1102.200302	
Road Point	04		Legal Description	T18N	R4E	Sec. 2
Road Name	MT-10		Annual Plan Year	2020		
Road Surface	Rock		Work Timing	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
UTM	N :441211	E: 4648403	Wildlife Restrictions	NO		
Work Type	THP		Road Use Restriction	Permanent		
Hydrologic Planning Area	N/A		Aquatic Hab. Survey Req?	NO		
Project Type	II/III		ECP Req?	NO		
PreConsultation Completed?	NO		1600 Req?	YES		
Fees Payed From Previous AWP	NO					

CURRENT CONDITION : An ephemeral Class III watercourse crossing with an unsurfaced dip.

TREATMENT : Install a rocked dip and rock the outboard road edge as needed.

Excavated Volume	5	Erosion Potential	Low
Delivery Volume	5	AHCP Priority	N/A
Disturbed Surface Area	250	Excavated Materials	Soil,Gravel,Rock and Wood

Date Print : 10/10/2020

GDRCo#	872001		GDRCo Name	Moore Tract Emergency 2		
State THP#	1-20EM-00126-DEL		Calwater Watershed	Elk Creek	1102.200302	
Road Point	05		Legal Description	T18N	R4E	Sec. 2
Road Name	MT-10		Annual Plan Year	2020		
Road Surface	Rock		Work Timing	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
UTM	N : 441290	E: 4648270	Wildlife Restrictions	NO		
Work Type	THP		Road Use Restriction	Permanent		
Hydrologic Planning Area	N/A		Aquatic Hab. Survey Req?	NO		
Project Type	II/III		ECP Req?	NO		
PreConsultation Completed?	NO		1600 Req?	YES		
Fees Payed From Previous AWP	NO					

CURRENT CONDITION : An ephemeral Class III watercourse crossing with an unsurfaced dip.

TREATMENT : Install a rocked dip and rock the outboard road edge as needed.

Excavated Volume	5	Erosion Potential	Low
Delivery Volume	5	AHCP Priority	N/A
Disturbed Surface Area	250	Excavated Materials	Soil,Gravel,Rock and Wood

Date Print : 10/10/2020

GDRCo#	872001		GDRCo Name	Moore Tract Emergency 2		
State THP#	1-20EM-00126-DEL		Calwater Watershed	Elk Creek	1102.200302	
Road Point	06		Legal Description	T18N	R4E	Sec. 2
Road Name	MT-10		Annual Plan Year	2020		
Road Surface	Rock		Work Timing	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
UTM	N : 441434	E : 4648126	Wildlife Restrictions	NO		
Work Type	THP		Road Use Restriction	Permanent		
Hydrologic Planning Area	N/A		Aquatic Hab. Survey Req?	NO		
Project Type	II/III		ECP Req?	NO		
PreConsultation Completed?	NO		1600 Req?	YES		
Fees Payed From Previous AWP	NO					

CURRENT CONDITION : An ephemeral Class III watercourse crossing with an unsurfaced dip.

TREATMENT : Install a rocked dip and rock the outboard road edge as needed.

Excavated Volume	5	Erosion Potential	Low
Delivery Volume	5	AHCP Priority	N/A
Disturbed Surface Area	250	Excavated Materials	Soil,Gravel,Rock and Wood

Date Print : 10/10/2020

GDRCo#	872001		GDRCo Name	Moore Tract Emergency 2		
State THP#	1-20EM-00126-DEL		Calwater Watershed	Elk Creek	1102.200302	
Road Point	07		Legal Description	T18N	R4E	Sec. 2
Road Name	MT-10		Annual Plan Year	2020		
Road Surface	Native		Work Timing	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
UTM	N : 441769	E: 4647669	Wildlife Restrictions	NO		
Work Type	THP		Road Use Restriction	Seasonal		
Hydrologic Planning Area	N/A		Aquatic Hab. Survey Req?	NO		
Project Type	II/III		ECP Req?	NO		
PreConsultation Completed?	NO		1600 Req?	YES		
Fees Payed From Previous AWP	NO					
<p>CURRENT CONDITION : A Class II watercourse with an existing rocked ford, installed during previous THP operations. Outboard fill slopes are less than 15 feet in height.</p>						
<p>TREATMENT : Install a 24-inch culvert in the ford to upgrade the watercourse crossing to a vented rocked ford.</p>						
Excavated Volume	0		Erosion Potential	Low		
Delivery Volume	0		AHCP Priority	N/A		
Disturbed Surface Area	0		Excavated Materials	Soil,Gravel,Rock and Wood		

Date Print : 10/10/2020

GDRCo#	872001		GDRCo Name	Moore Tract Emergency 2		
State THP#	1-20EM-00126-DEL		Calwater Watershed	Elk Creek	1102.200302	
Road Point	08		Legal Description	T18N	R4E	Sec. 2
Road Name	MT-10		Annual Plan Year	2020		
Road Surface	Native		Work Timing	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
UTM	N : 441769	E: 4647669	Wildlife Restrictions	NO		
Work Type	THP		Road Use Restriction	Seasonal		
Hydrologic Planning Area	N/A		Aquatic Hab. Survey Req?	NO		
Project Type	II/III		ECP Req?	NO		
PreConsultation Completed?	NO		1600 Req?	YES		
Fees Payed From Previous AWP	NO					

CURRENT CONDITION : A Class III watercourse crossing with no structure.

TREATMENT : Install a rocked dip and rock the outboard road edge as needed.

Excavated Volume	5	Erosion Potential	Low
Delivery Volume	5	AHCP Priority	N/A
Disturbed Surface Area	250	Excavated Materials	Soil,Gravel,Rock and Wood

Date Print : 10/10/2020

GDRCo#	872001		GDRCo Name	Moore Tract Emergency 2		
State THP#	1-20EM-00126-DEL		Calwater Watershed	Elk Creek	1102.200302	
Road Point	09		Legal Description	T18N	R4E	Sec. 3
Road Name	MT-400		Annual Plan Year	2020		
Road Surface	Native		Work Timing	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
UTM	N : 442039	E : 4648205	Wildlife Restrictions	NO		
Work Type	THP		Road Use Restriction	Seasonal		
Hydrologic Planning Area	N/A		Aquatic Hab. Survey Req?	NO		
Project Type	II/III		ECP Req?	NO		
PreConsultation Completed?	NO		1600 Req?	YES		
Fees Payed From Previous AWP	NO					

CURRENT CONDITION : A Class III watercourse with an existing rocked ford, installed during previous THP operations. The outboard fill slopes are less than 15 feet in height.

TREATMENT : Install a 24-inch culvert in the ford to upgrade the watercourse crossing to a vented rocked ford.

Excavated Volume	0	Erosion Potential	Low
Delivery Volume	0	AHCP Priority	Low
Disturbed Surface Area	0	Excavated Materials	Soil,Gravel,Rock and Wood

Date Print : 10/10/2020

GDRCo#	872001		GDRCo Name	Moore Tract Emergency 2		
State THP#	1-20EM-00126-DEL		Calwater Watershed	Elk Creek	1102.200302	
Road Point	10		Legal Description	T18N	R4E	Sec. 3
Road Name	MT-400		Annual Plan Year	2020		
Road Surface	Native		Work Timing	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
UTM	N : 442143	E: 4648349	Wildlife Restrictions	NO		
Work Type	THP		Road Use Restriction	Seasonal		
Hydrologic Planning Area	N/A		Aquatic Hab. Survey Req?	NO		
Project Type	II/III		ECP Req?	NO		
PreConsultation Completed?	NO		1600 Req?	YES		
Fees Payed From Previous AWP	NO					

CURRENT CONDITION : A Class II watercourse with an existing rocked ford, installed during previous THP operations. The outboard fill slopes are greater than 15 feet in height.

TREATMENT : Install a 24-inch culvert in the ford to upgrade the watercourse crossing to a vented rocked ford. Place 12-inch or larger rip rap on the outboard fill slopes from the base of the culvert to the top of the road.

Excavated Volume	0	Erosion Potential	Low
Delivery Volume	0	AHCP Priority	Low
Disturbed Surface Area	0	Excavated Materials	Soil,Gravel,Rock and Wood

Date Print : 10/10/2020

GDRCo#	872001		GDRCo Name	Moore Tract Emergency 2		
State THP#	1-20EM-00126-DEL		Calwater Watershed	Elk Creek	1102.200302	
Road Point	11		Legal Description	T18N	R4E	Sec. 3
Road Name	MT-400		Annual Plan Year	2020		
Road Surface	Native		Work Timing	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
UTM	N : 442312	E: 4648580	Wildlife Restrictions	NO		
Work Type	THP		Road Use Restriction	Seasonal		
Hydrologic Planning Area			Aquatic Hab. Survey Req?	NO		
Project Type	II/III		ECP Req?	NO		
PreConsultation Completed?	NO		1600 Req?	YES		
Fees Payed From Previous AWP	NO					

CURRENT CONDITION : A Class II watercourse with an existing rocked ford, installed during previous THP operations.

TREATMENT : Install a 24-inch culvert in the ford to upgrade the watercourse crossing to a vented rocked ford. Place 12-inch or larger rip rap on the outboard fill slopes from the base of the culvert to the top of the road.

Excavated Volume	0	Erosion Potential	Low
Delivery Volume	0	AHCP Priority	Low
Disturbed Surface Area	0	Excavated Materials	Soil,Gravel,Rock and Wood

Date Print : 10/10/2020

GDRCo#	872001		GDRCo Name	Moore Tract Emergency 2		
State THP#	1-20EM-00126-DEL		Calwater Watershed	Elk Creek	1102.200302	
Road Point	12		Legal Description	T18N	R4E	Sec. 2
Road Name	MT-10		Annual Plan Year	2020		
Road Surface	Native Rock		Work Timing	Prior to the Winter Period (Oct.16), unless 'Unseasonably Dry Fall conditions' are in effect (Oct.16 - Nov.15) of the year of use.		
UTM	N : 441967	E: 4647190	Wildlife Restrictions	NO		
Work Type	THP		Road Use Restriction	Permanent		
Hydrologic Planning Area			Aquatic Hab. Survey Req?	NO		
Project Type	II/III		ECP Req?	NO		
PreConsultation Completed?	NO		1600 Req?	YES		
Fees Payed From Previous AWP	NO					

CURRENT CONDITION : A Class I watercourse crossing on Elk Creek with low-water approaches to facilitate heavy equipment wet crossings. It is anticipated four passes through the watercourse will be required for the efficient movement of heavy equipment during emergency salvage operations.

TREATMENT : For any crossing of heavy equipment, fish exclusion measures will be installed including netting and transport of any captured animals.

Excavated Volume	0	Erosion Potential	Low
Delivery Volume	0	AHCP Priority	Low
Disturbed Surface Area	500	Excavated Materials	Soil,Gravel,Rock and Wood