GREEN DIAMOND RESOURCE COMPANY

California Timberlands Division

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2023 Annual Work Plan for the Master Agreement for Timber Operations and Road Management Waste Discharge Requirements

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 2023 for enrollment under these permits.

The activities proposed under this AWP for sites not related to Timber Harvest Plans include watercourse crossing upgrading and decommissioning in Routine Maintenance Area #1 and Road Work Unit Wilson Creek. Routine Maintenance Area #1 is within the following watersheds: Smith River, Little River, Mad River, and Coastal Klamath (North). The RMA sites included in this Annual Work Plan are in the Coastal Klamath North watershed area. One mainline upgrade in the Little River watershed is also included.

There is a significant amount of upgrading and decommissioning in this Annual Work Plan related to THPs. The sites included are THPs which have completed review through the Second Review team. It is anticipated that additional sites will be amended to this Annual Work Plan as “New Site Revisions” as THPs are approved through the season up to October. THP-related work will occur in the following areas: Smith River; Coastal Klamath; Maple Creek; Little River; Mad River; and Salmon Creek. Two minor amendments in the Coastal Klamath area and Coastal Lagoons area are also included.

Water drafting activities are located in proximity to harvesting activities scheduled for 2023 on the property. All previous water drafting sites notified in the 2010 through 2022 Annual Work Plans are included. It is not expected that all sites will be utilized but are included to provide operational flexibility. A monthly water drafting report will be submitted to DFG no later than 30 days after water drafting activities are reviewed and commence on the sites disclosed under this Plan.

Maps and culvert calculations, where applicable, are located prior to the Road Work Orders for each distinct project area or THP. For sites associated with THPs the individual THP maps are included for each referenced plan.

The review requirements for wildlife, plants, archaeology, and non-fish aquatic vertebrates (refer to Section B and Attachments 1 through 3 of the MATO) are on-going for all non-THP related sites. No operations will be conducted prior to notification from GDRCo Conservation Planning Department staff that all surveys are complete, and any mitigation measures are revised into the Annual Work Plan for any affected site. A Planned Site Revision will be submitted for any project requiring additional mitigation measures as a result of these survey efforts.

All sites included in this AWP for THP-related notifications shall follow all wildlife, botanical and archaeological restrictions set forth in the respective THPs. For specific information regarding any restrictions or mitigation requirements please refer to Section II of the respective THP.

An Annual Report will be submitted on March 31th summarizing the work completed in 2023.

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

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AHCP Roads Coordinator
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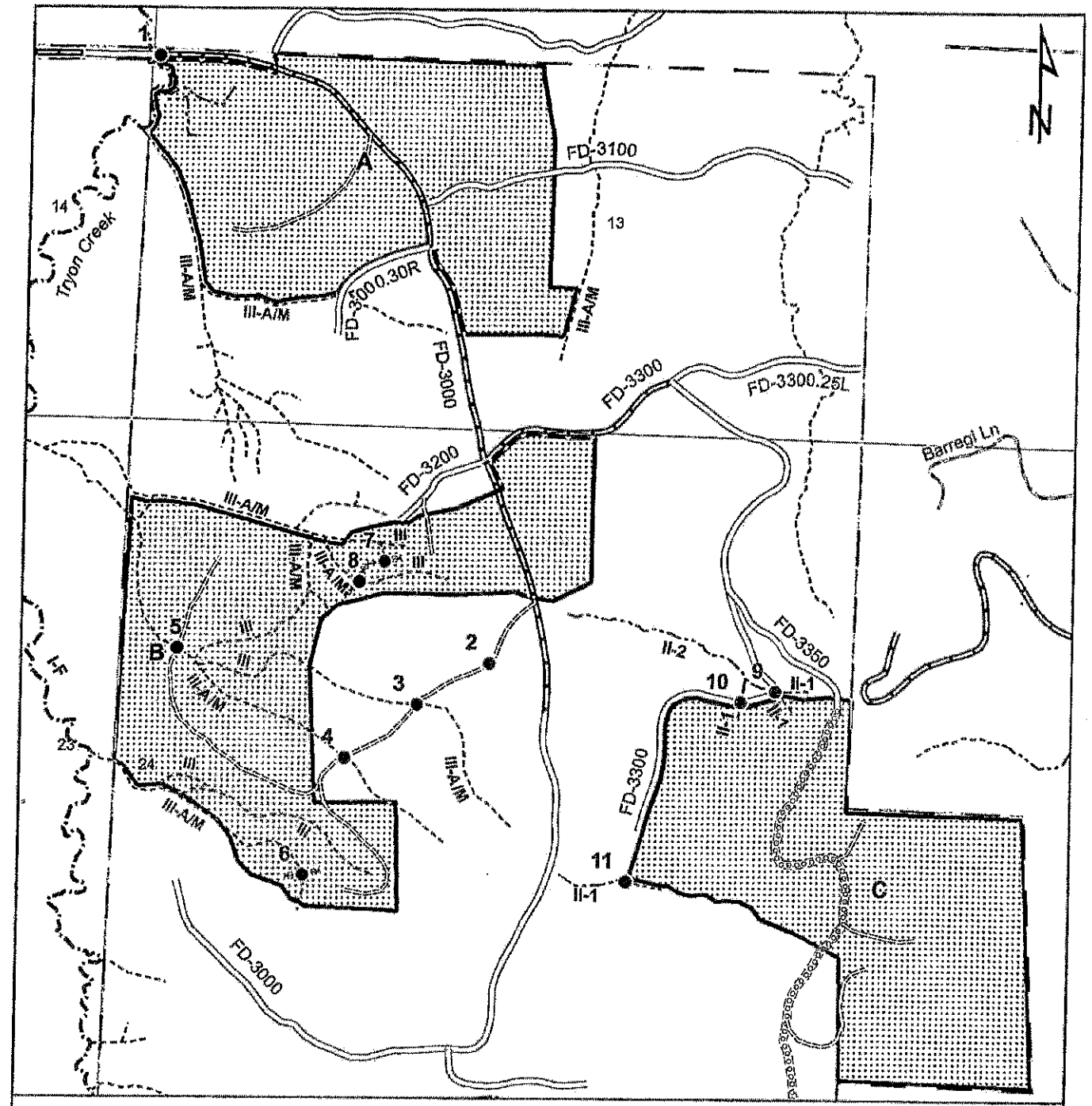


GREEN DIAMOND RESOURCE COMPANY

GDRCo #95-2201
Fort Dick 4

Road Work Required
Map 1 of 2

T17N, R01W, HBM
Sec. 13, 22, and 24
USGS Quads: Crescent City, 1976, Hiouchi 1966

Scale: 1:6,000
1 inch = 500 feet
Contour interval = 40 ft.

Plan Area

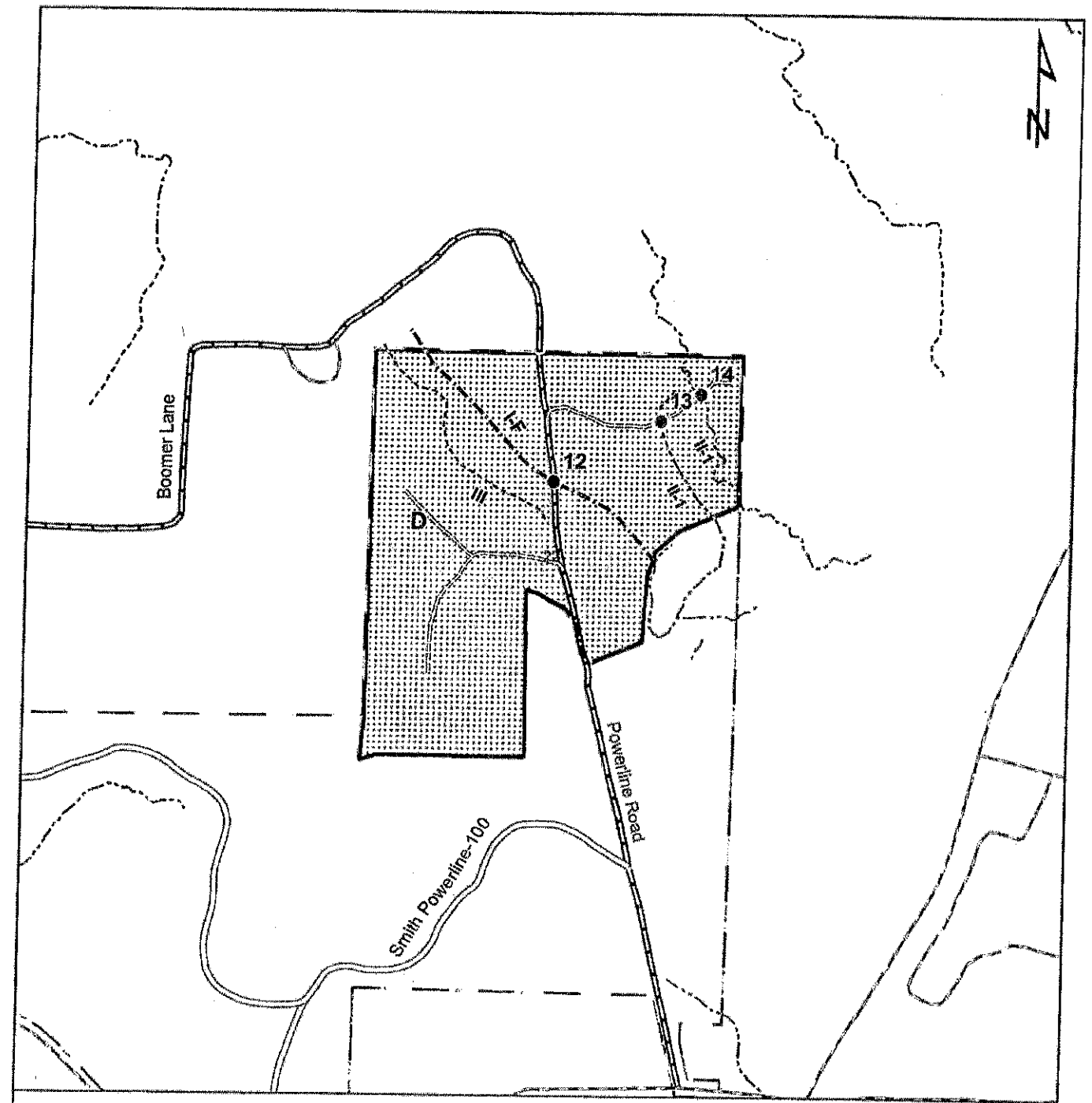
GDRCo Ownership

Road Point

Roads
- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Proposed Temporary Road (to be abandoned)
- Designated Skid Trail

Watercourse
- Class I
- Class II (II-1, II-2)
- Class III (IIIA, IIIB)

INTERNAL USE ONLY
A-1701301
B-1702414
C-1702121



GREEN DIAMOND RESOURCE COMPANY

GDRCo #95-2201
Fort Dick 4

Road Work Required
Map 2 of 2

T17N, R01W, HBM
Sec. 13, 22, and 24
USGS Quads: Crescent City, 1978, Hiouchi 1966

Scale: 1:6,000
1 inch = 500 feet
Contour interval = 40 ft.

Plan Area

GDRCo Ownership

Road Point

Roads
- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Temporary Road (to be abandoned)

Watercourse
- Class I
- Class II (II-1, II-2)
- Class III (IIIA, IIIB)

INTERNAL USE ONLY

D-1702208

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Kings Valley	1103.110003
Road Point	01		**Legal Description**	17.0N 01.0W 14	
Road Name	FD-3000		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 405643	E:4635081			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Permanent	
Project Type	I		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site is an access issue and does not qualify as an Imminent Risk of Failure Site. A Class I watercourse with no crossing structure and inadequate ditch relief due to crowned road and low gradient area.

TREATMENT : No operations can start until a qualified biologist has identified and relocated sensitive aquatic species. Install a bridge to FPR and GDRCo AHCP guidelines as described in Section II of this THP. A concrete, prefabricated or railcar bridge will be used. Excavate side slopes to a 1.5: 1 angle. The bridge will have a minimum length of 33 feet and a minimum height of 8 feet from the bottom of the bridge to the base of the channel. The width of the channel under the bridge will be a minimum width of 8.5 feet after the installation of rip rap, with a minimum size of .5 feet, placed from the channel to the abutments of the bridge. OR install a temporary seasonal bridge to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use. Rock ditch line 50' on left approach (south side of road) to reduce sediment transport to watercourse.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Upper Jordan Creek	1103.110002
Road Point	03		**Legal Description**	T24 R 24	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 405942	E:4634380			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure Site. A proposed temporary road to be constructed crossing a Class III watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Upper Jordan Creek	1103.110002
Road Point	04		**Legal Description**	T24	R 24
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 405878	E:4634320			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure Site. A proposed temporary road to be constructed crossing a Class III watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Kings Valley	1103.110003
Road Point	05		**Legal Description**	T24 R 24	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 405689	E:4634440			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure Site. A proposed temporary road crossing a Class III watercourse.

TREATMENT : Install a temporary crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP, and remove prior to the winter period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Upper Jordan Creek	1103.110002
Road Point	06		**Legal Description**	T24	R 24
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 405827	E:4634190			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Tractor Road	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure Site. A proposed skid trail crossing a Class III watercourse.

TREATMENT : Install a temporary crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP, and remove prior to the winter period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Kings Valley	1103.110003
Road Point	08		**Legal Description**	T24 R 24	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 405881	E:4634510			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Tractor Road	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure Site. A proposed temporary skid trail crossing a Class III watercourse.

TREATMENT : Install a temporary crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP, and remove prior to the winter period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Upper Jordan Creek	1103.110002
Road Point	09		**Legal Description**	17.0N	01.0W 24
Road Name	FD-3300		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 406337	E:4634401			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure Site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Upper Jordan Creek	1103.110002
Road Point	10		**Legal Description**	17.0N	01.0W 24
Road Name	FD-3300		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 406306	E:4634384			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure Site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Upper Jordan Creek	1103.110002
Road Point	11		**Legal Description**	T24	R 24
Road Name	FD-3300		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the completion of operations.	
UTM	N : 406179	E:4634190			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Tractor Road	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as a csds site. A Class II watercourse with a failing Humboldt crossing. Voids exist in the skid trail, evidence of overtopping present in outboard fill. This area is heavily tractored and consists of a wide area of channel packed with logs and fill.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment debris and buried logs. Remove the crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	1760	**Erosion Potential**	High
Delivery Volume	1232	**AHCP Priority**	High
Disturbed Surface Area	10560	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Kings Valley	1103.110003
Road Point	12		**Legal Description**	17.0N	01.0W 22
Road Name	Powerline Road		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 403387	E:4634189			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Permanent	
Project Type	I		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A seasonal Class I watercourse crosses at a rocked dip.

TREATMENT : No operations can start until a qualified biologist has identified and relocated sensitive aquatic species. Lay back the approaches for safe hauling and use the crossing as it is if it is dry during the time of use, OR Install a temporary seasonal bridge or Spittler crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use. After the crossing is used, remove the road prism on the left (southern) approach for approximately 30'.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Kings Valley	1103.110003
Road Point	13		**Legal Description**	T22 R 22	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 403497	E:4634250			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure Site. A proposed temporary road to be constructed crossing a Class III watercourse.

TREATMENT : Install a temporary crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP, and remove prior to the winter period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

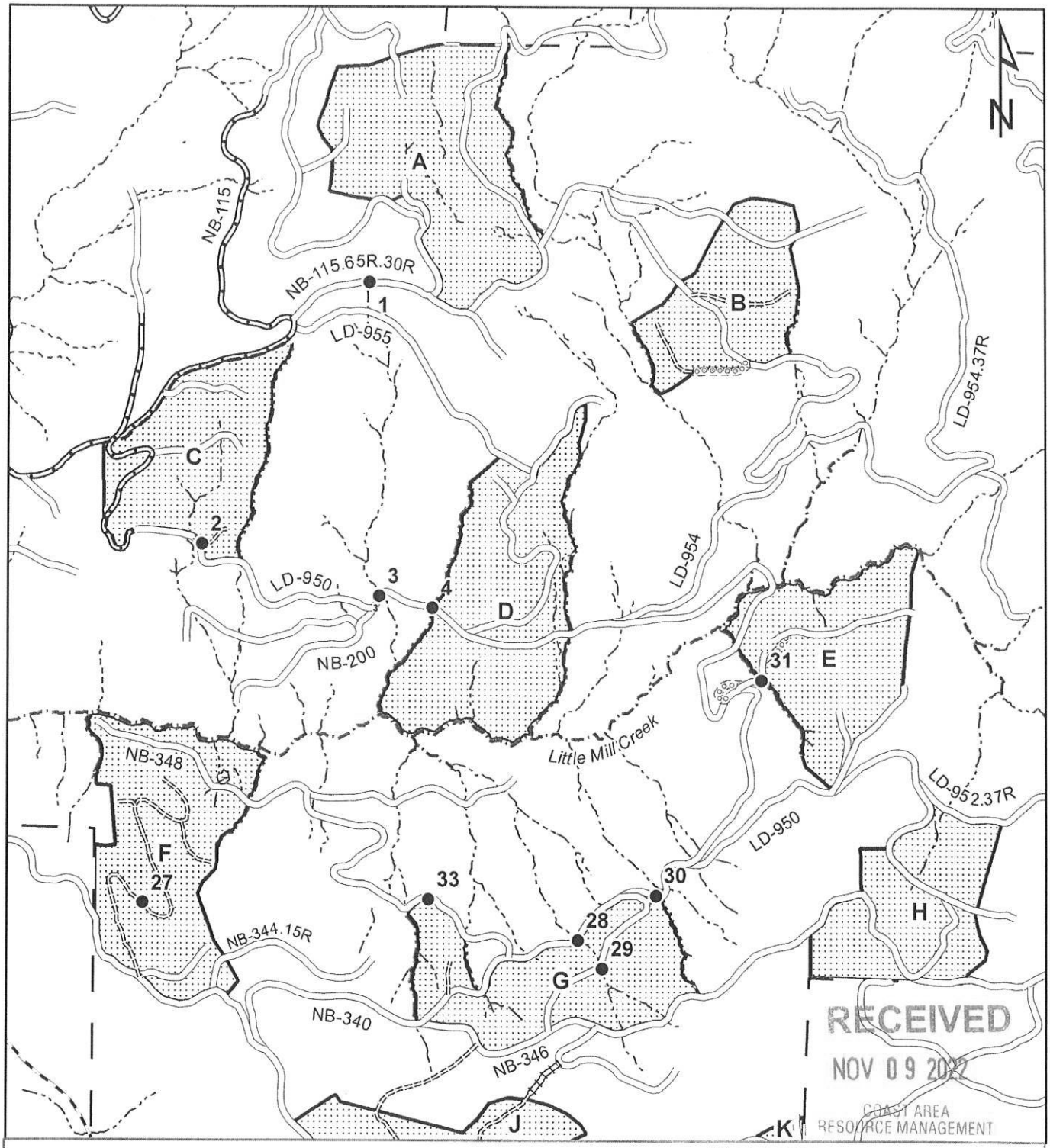
Date Print : 2/22/2023

GDRCo#	952201		**GDRCo Name**	Fort Dick 4	
State THP#	1-22-00172-Del		**Calwater Watershed**	Kings Valley	1103.110003
Road Point	14		**Legal Description**	T22 R 22	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 403545	E:4634280			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure Site. A proposed temporary road to be constructed crossing a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP, and remove prior to the winter period of the year of use.

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



GREEN DIAMOND RESOURCE COMPANY

GDRCo 942201
Northbank

Road Work Map 1 of 3

High Divide USGS 1966
Hiouchi USGS 1966
T17N, R01E, HBM

Scale:1:12,000
1 inch = 1,000 feet

Harvest Unit

Harvest Unit Boundary

GDRCo Ownership

Roads

- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Proposed Temporary Road (to be abandoned)
- Seasonal to be Abandoned

Watercourse

- Class I
- Class II (II-1, II-2)
- Class III (IIIA)

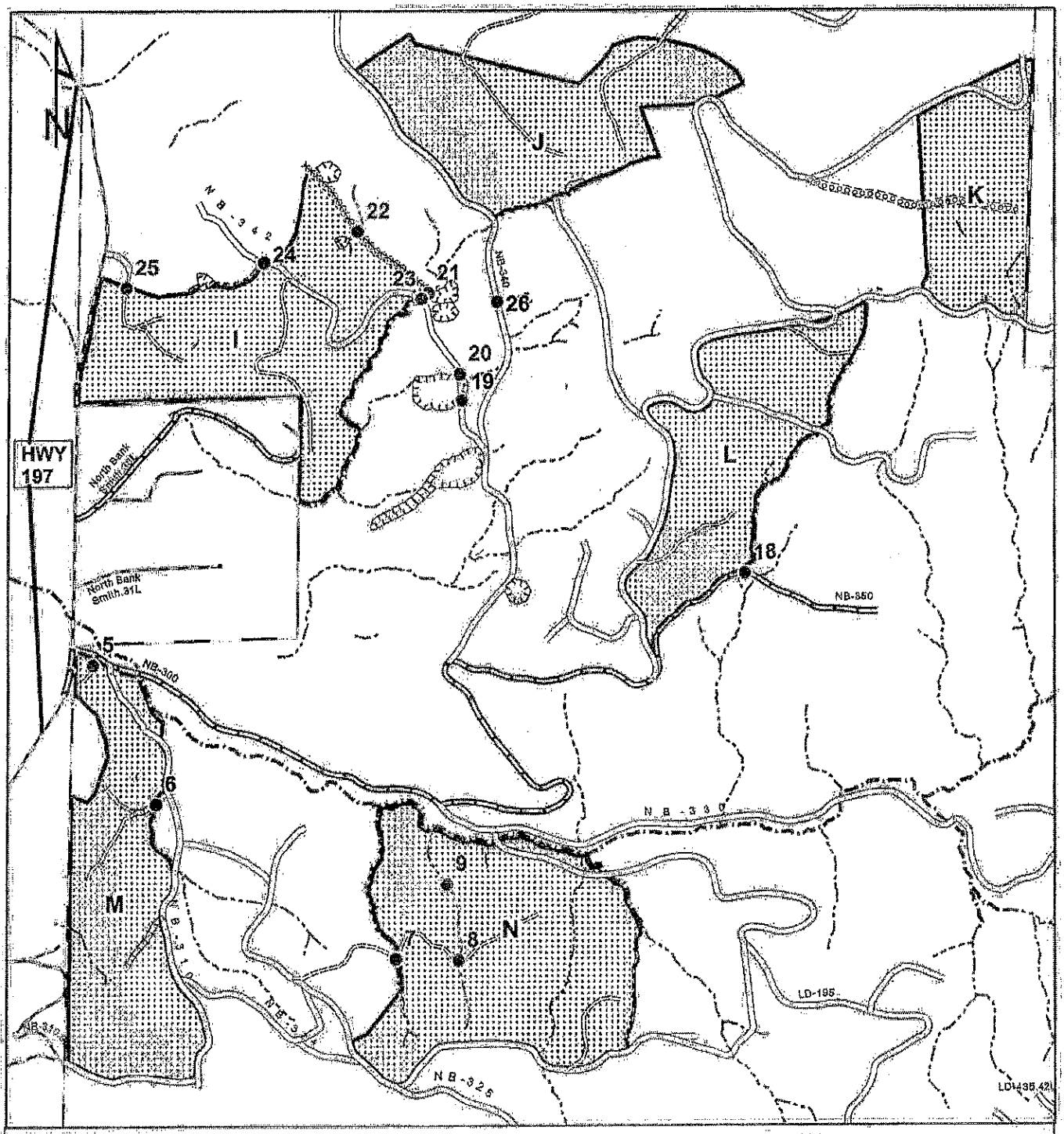
Road Point

INTERNAL USE ONLY

A-1710712	E-1710824
B-1710725	F-1711822
C-1710714	G-1711817
D-1710707	H-1711703

PART OF PLAN

Revised 65



GREEN DIAMOND RESOURCE COMPANY

GDRCo 942201
Northbank

Road Work Map 2 of 3

High Divide USGS 1966
Hiouchi USGS 1966
T17N, R01E, HBM

Scale:1:9,000
1 inch = 750 feet

Harvest Unit

Harvest Unit Boundary

GDRCo Ownership

Unstable Area (Geo)

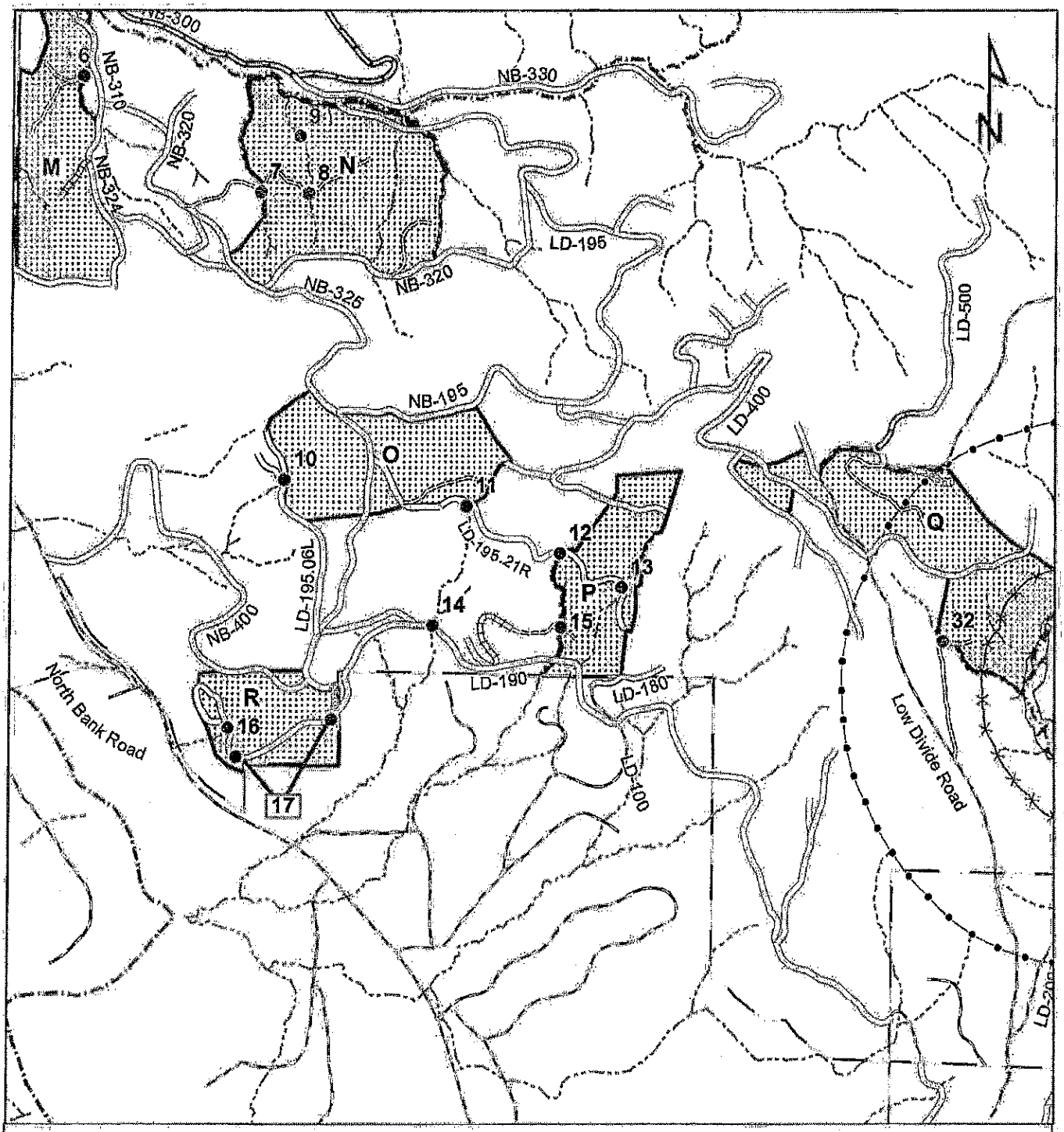
Roads
- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Proposed Temporary Road (to be abandoned)
- Seasonal to be Abandoned

Watercourse
- Class I
- Class II (II-1, II-2)
- Class III (IIIA)

Road Point

INTERNAL USE ONLY

I-1711826 L-1711808
J-1711810 M-1711916
K-1711803 N-1711907



GREEN DIAMOND RESOURCE COMPANY

GDRCo 942201
Northbank

Road Work Map 3 of 3

High Divide USGS 1966
Hlouchi USGS 1966
T17N, R01E, HBM

Scale:1:12,000
1 inch = 1,000 feet

Harvest Unit

Harvest Unit Boundary

GDRCo Ownership

Roads
- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Proposed Temporary Road (to be abandoned)
- Seasonal to be Abandoned
- Road Point

Watercourse
- Class I
- Class II (II-1, II-2)
- Class III (IIIA, IIIB)
- MAMU Habitat
- .25 mi MAMU Buffer
- 300' MAMU No Harvest

INTERNAL USE ONLY

O-1711931
P-1711934
Q-1712021
R- 1713001

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	06		**Legal Description**	17.0N	01.0E 19
Road Name	NB-310.2R		**Annual Plan Year**	2023	
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 : 407361	E:4634385			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse that has no drainage structure. The watercourse overtops the road and diverts down the running surface for 15' where it flows off the outboard road edge into an unclassified wet area.

TREATMENT : Use this crossing as is and remove to FPR and GDRCo AHCP standards prior to the completion of operations. If water is flowing at the time of operations, install a temporary watercourse crossing and remove it to GDRCo AHCP and FPR standards prior to the winter period the year of use.

Excavated Volume	169	**Erosion Potential**	Medium
Delivery Volume	118	**AHCP Priority**	Medium
Disturbed Surface Area	1011	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	07		**Legal Description**	T19	R 19
Road Name	TN1		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 407752	E:4634130			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is new road construction and does not qualify as an Imminent Risk of Failure site. A proposed temporary road to be constructed crossing a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and AHCP guidelines as described in Section II of this THP, and remove prior to the winter period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	08		**Legal Description**	T19 R 19	
Road Name	TN1		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 407855	E:4634130			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : A Class II watercourse with a failing Humboldt crossing set on a historic tractor road.

TREATMENT : Use this crossing as it is and remove to FPR and GDRCo AHCP guidelines as described Section II of this THP prior to the Winter Period of the year of use.

Excavated Volume	277	**Erosion Potential**	Medium
Delivery Volume	194	**AHCP Priority**	Medium
Disturbed Surface Area	1663	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	09		**Legal Description**	T19 R 19	
Road Name	Legacy Tractor Road		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the completion of operations.	
UTM	N : 407836	E:4634250			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Tractor Road	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : A Class II watercourse with a failing Humboldt crossing. The watercourse goes subsurface 75' above the crossing and emerges 50' below the outlet where the crossing has delivered approximately 5 cubic yards to the watercourse. This site is an existing CSDS site that will be treated as part of this THP.

TREATMENT : Remove this crossing prior to completiong of operations to FPR and GDRCo AHCP guidelines as described Section II of this THP.

Excavated Volume	660	**Erosion Potential**	Medium
Delivery Volume	462	**AHCP Priority**	Medium
Disturbed Surface Area	3960	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	10		**Legal Description**	17.0N	01.0E 19
Road Name	LD-195.06L		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 407807	E:4633502			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	11		**Legal Description**	T19 R 19	
Road Name	LD-195.21R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408407	E:4633340			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II Seep at the head of a Class III watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	12		**Legal Description**	T19 R 19	
Road Name	LD-195.21R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408201	E:4633440			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class III watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	13		**Legal Description**	T19 R 19	
Road Name	LD-195.21R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408544	E:4633270			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	14		**Legal Description**	17.0N	01.0E 19
Road Name	LD-190		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408128	E:4633183			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	15		**Legal Description**	17.0N	01.0E 19
Road Name	LD-190		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408389	E:4633107			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : A proposed Temporary road that crosses a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	16		**Legal Description**	T30 R 30	
Road Name	SR1		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 407687	E:4632960			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse with a failing Humboldt crossing. The outboard road edge is located near the head of an unstable area. This site was reviewed in the field by GDRCo Geology staff.

TREATMENT : Use this crossing as it is and remove to FPR and GDRCo AHCP guidelines as described Section II of this THP prior to the Winter Period of the year of use. End haul excavated material from the pulled crossing to a stable location.

Excavated Volume	223	**Erosion Potential**	Medium
Delivery Volume	156	**AHCP Priority**	Medium
Disturbed Surface Area	1337	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	20		**Legal Description**	17.0N	01.0E 18
Road Name	NB-342		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 407855	E:4635090			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing with a 12" CMP that has a buried inlet. The incised channel has signs of recent erosion through the road fill creating a channel that is 2' wide x 3' deep. This site was reviewed in the field by a GDRCo Professional Geologist.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 42" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	200	**Erosion Potential**	High
Delivery Volume	140	**AHCP Priority**	High
Disturbed Surface Area	1200	**Excavated Materials**	Soil,Gravel,Rock and Wood

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	21		**Legal Description**	T18 R 18	
Road Name	NB-342.38R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 407802	E:4635220			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing without a crossing structure. The flow goes subsurface at the inboard edge of the road and then emerges in the middle of the fill. This site was reviewed in the field by a GDRCo Professional Geologist.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 42" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	66	**Erosion Potential**	Medium
Delivery Volume	46	**AHCP Priority**	Medium
Disturbed Surface Area	394	**Excavated Materials**	Soil,Gravel,Rock and Wood

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	22		**Legal Description**	17.0N	01.0E 18
Road Name	NB-342.38R		**Annual Plan Year**	2023	
Road Surface			**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 407686	E:4635324			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing with a 12" CMP that is undersized. Half of the flow is diverted down the ditch line 30' on the left approach before going subsurface.

TREATMENT : Excavate between TOP and BOT removing sediment, debris and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	30	**Erosion Potential**	High
Delivery Volume	21	**AHCP Priority**	Medium
Disturbed Surface Area	180	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	23		**Legal Description**	17.0N	01.0E 18
Road Name	NB-342		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 407791	E:4635213			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse with a failing Humboldt crossing. Water is running over the top of the road surface through a dip and through voids in the outboard fill. This site was reviewed in the field by a GDRCo Professional Geologist.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 42" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP. OR Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

Excavated Volume	63	**Erosion Potential**	High
Delivery Volume	44	**AHCP Priority**	High
Disturbed Surface Area	377	**Excavated Materials**	Soil,Gravel,Rock and Wood

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	24		**Legal Description**	17.0N	01.0E 18
Road Name	NB-342		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 407532	E:4635274			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing that has no crossing structure and has diverted to the right through the road prism for approximately 20'. There is active erosion through the road prism.

TREATMENT : Excavate between top and bottom removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP. OR remove the crossing by excavating between top and bottom removing sediment, debris, and buried logs.

Excavated Volume	156	**Erosion Potential**	Medium
Delivery Volume	156	**AHCP Priority**	Medium
Disturbed Surface Area	934	**Excavated Materials**	Soil,Gravel,Rock and Wood

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	28		**Legal Description**	17.0N	01.0E 18
Road Name	NB-340		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 408299	E:4635980			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing with a 18" CMP that is set high in the fill and is shotgunning 3' at the outlet. There is flow under the culvert and an erosional void under the outlet extending 1/3 the total length of the CMP into the fill.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 42" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	426	**Erosion Potential**	Medium
Delivery Volume	298	**AHCP Priority**	Medium
Disturbed Surface Area	2554	**Excavated Materials**	Soil,Gravel,Rock and Wood

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	29		**Legal Description**	17.0N	01.0E 18
Road Name	NB-349		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408352	E:4635920			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

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GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	31		**Legal Description**	17.0N	01.0E 7
Road Name	LD-953		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408702	E:4636541			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a 36" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP. OR Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	942201		**GDRCo Name**	Northbank	
State THP#	1-22-00141-Del		**Calwater Watershed**	Little Mill Creek	1103.110001
Road Point	32		**Legal Description**	T20 R 20	
Road Name	TQ1		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 409249	E:4633150			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is new road construction and does not qualify as an Imminent Risk of Failure site. A proposed temporary road to be constructed crossing a Class III watercourse.

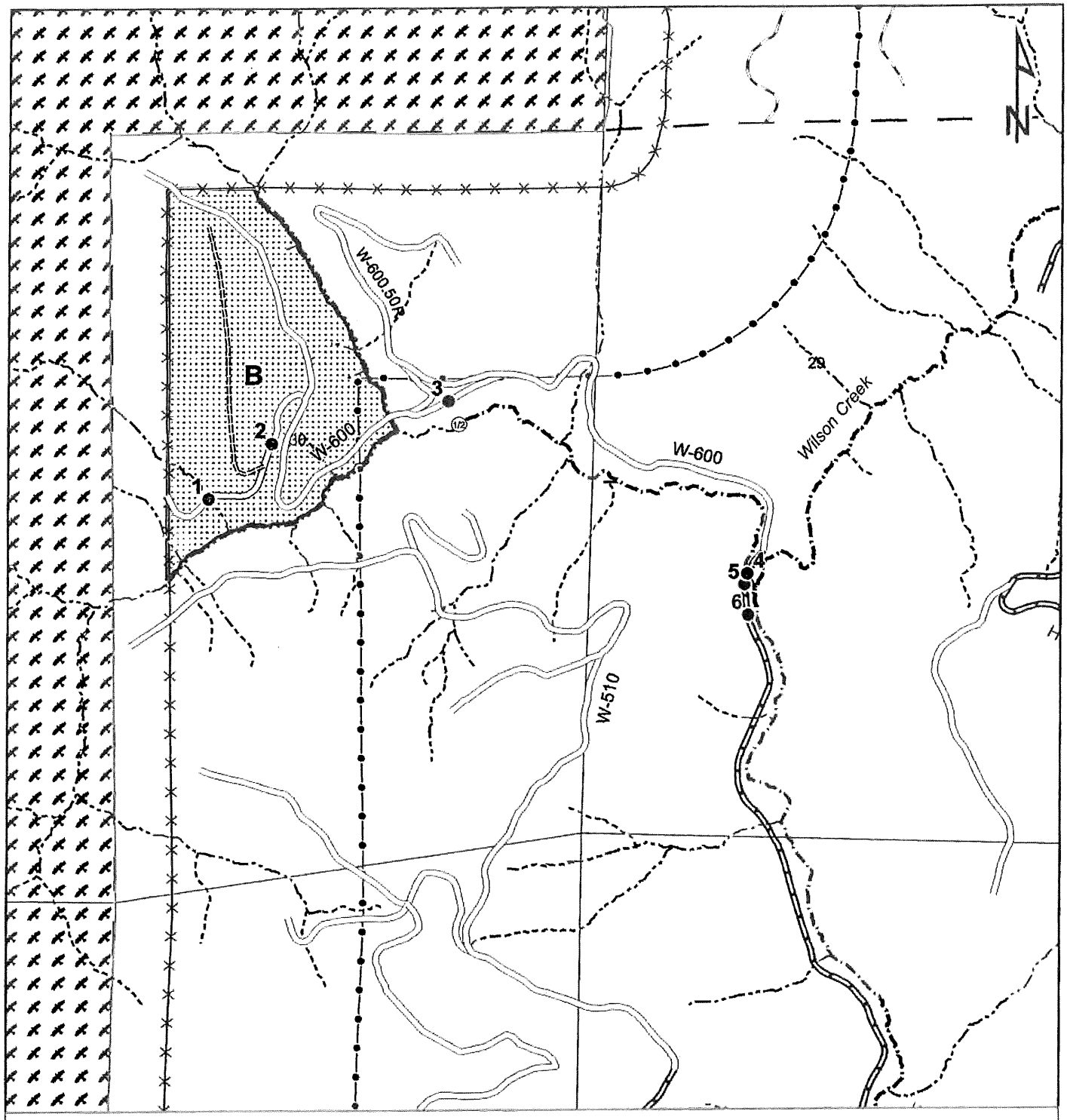
TREATMENT : Install temporary crossing to be removed to FPR and AHCP guidelines as described in Section II of this THP, prior to the winter period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

TMIS - Culvert Report

SiteId	THP#	RDpts#	Acres	Length (Miles)	lower Elevation	Upper Elevation	Altitude	TC	cfs	C.Diam (inches)	C.Diam,Int (inches)	Method
22644	942201	20	26.8	0.47	439	1224	706.5	5	36.58	42	37.47	Rational
10440362	942201	21	30.9	0.43	456	1187	657.9	4.64	42.17	42	39.71	Rational
10437692	942201	22	9.26	0.2	497	837	306	2.57	12.64	24	23.52	Rational
10437688	942201	23	34.8	0.43	450	1224	696.6	4.54	47.5	42	41.84	Rational
22252	942201	24	2.6	0.1	317	502	166.5	1.46	3.55	24	6.6	Rational
22435	942201	28	33.23	0.39	749	1361	550.8	4.44	45.36	42	40.98	Rational
21799	942201	31	16.32	0.37	581.7	1123.5	487.62	4.38	22.28	36	30.69	Rational



GREEN DIAMOND RESOURCE COMPANY

GDRCo # 71-2105
Hunter Wilson 23

Roadwork Required
Map 1 of 5

Childs Hill, CALIF. 1966
T15N, R1E, HBM

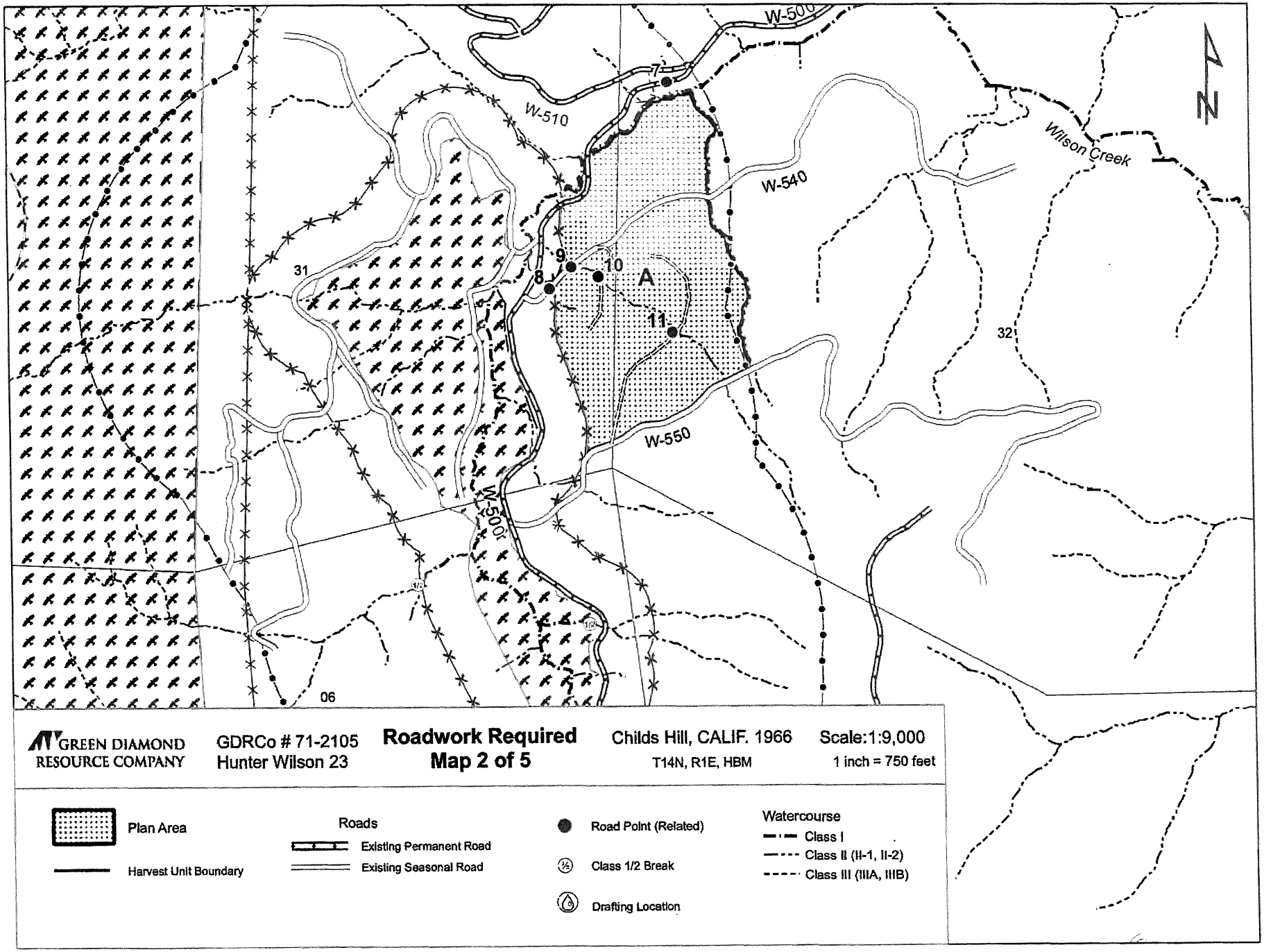
Scale:1:9,000
1 inch = 750 feet

Plan Area
GDRCo Ownership
Harvest Unit Boundary

MAMU Habitat
MAMU 300 ft Buffer
MAMU 0.25 mi Buffer

Roads
Existing Permanent Road
Existing Seasonal Road
Proposed Temporary Road
Proposed Seasonal Road
Road Point (Related)

Watercourse
Class I
Class II (II-1, II-2)
Class III (IIIA, IIIB)
Class 1/2 Break



GREEN DIAMOND RESOURCE COMPANY

GDRCo # 71-2105
Hunter Wilson 23

Roadwork Required
Map 2 of 5

Childs Hill, CALIF. 1966
T14N, R1E, HBM

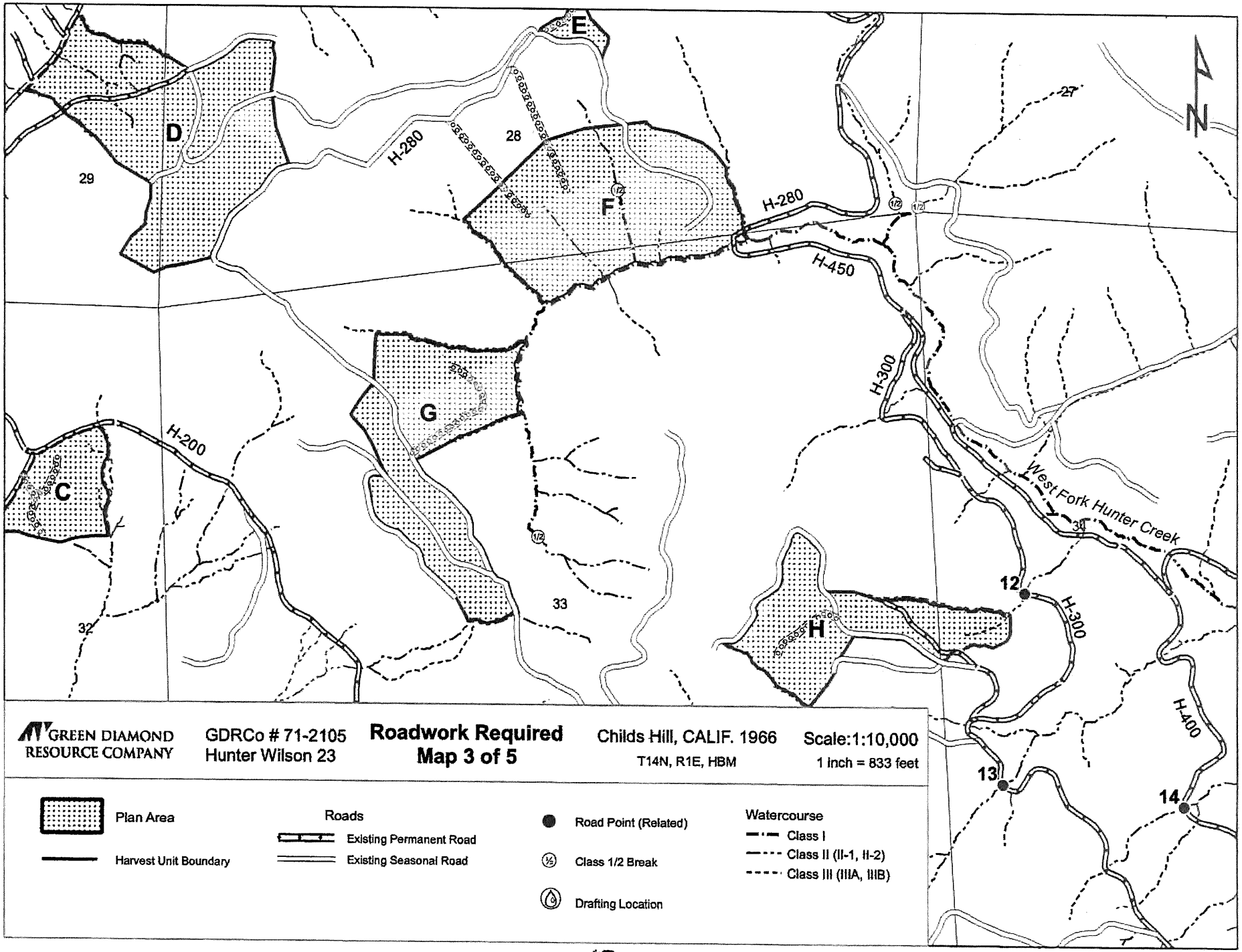
Scale:1:9,000
1 inch = 750 feet

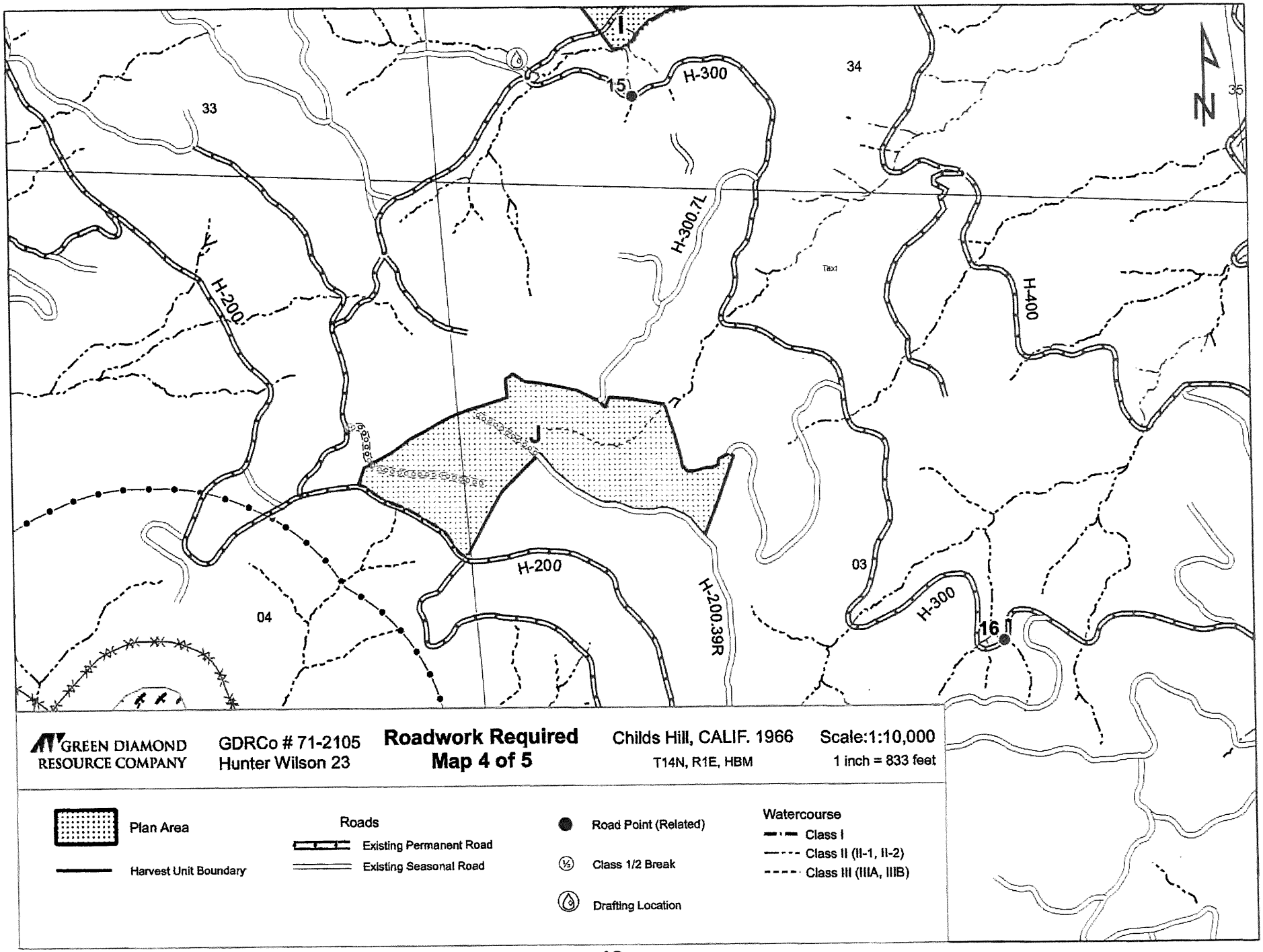
Plan Area
Harvest Unit Boundary

Roads
Existing Permanent Road
Existing Seasonal Road

Road Point (Related)
Class 1/2 Break
Drafting Location

Watercourse
Class I
Class II (II-1, II-2)
Class III (IIIA, IIIB)


E
D
F
G
C
H
H-280
H-280
H-450
H-300
H-200
H-300
H-400
West Fork Hunter Creek
27
28
29
32
33
34
12
13
14
N
GREEN DIAMOND RESOURCE COMPANY
GDRCo # 71-2105
Hunter Wilson 23
Roadwork Required
Map 3 of 5
Childs Hill, CALIF. 1966
T14N, R1E, HBM
Scale:1:10,000
1 inch = 833 feet
Plan Area
Harvest Unit Boundary
Roads
Existing Permanent Road
Existing Seasonal Road
Road Point (Related)
Class 1/2 Break
Drafting Location
Watercourse
Class I
Class II (II-1, II-2)
Class III (IIIA, IIIB)



GREEN DIAMOND RESOURCE COMPANY

GDRCo # 71-2105
Hunter Wilson 23

Roadwork Required
Map 4 of 5

Childs Hill, CALIF. 1966
T14N, R1E, HBM

Scale:1:10,000
1 inch = 833 feet

Plan Area

Harvest Unit Boundary

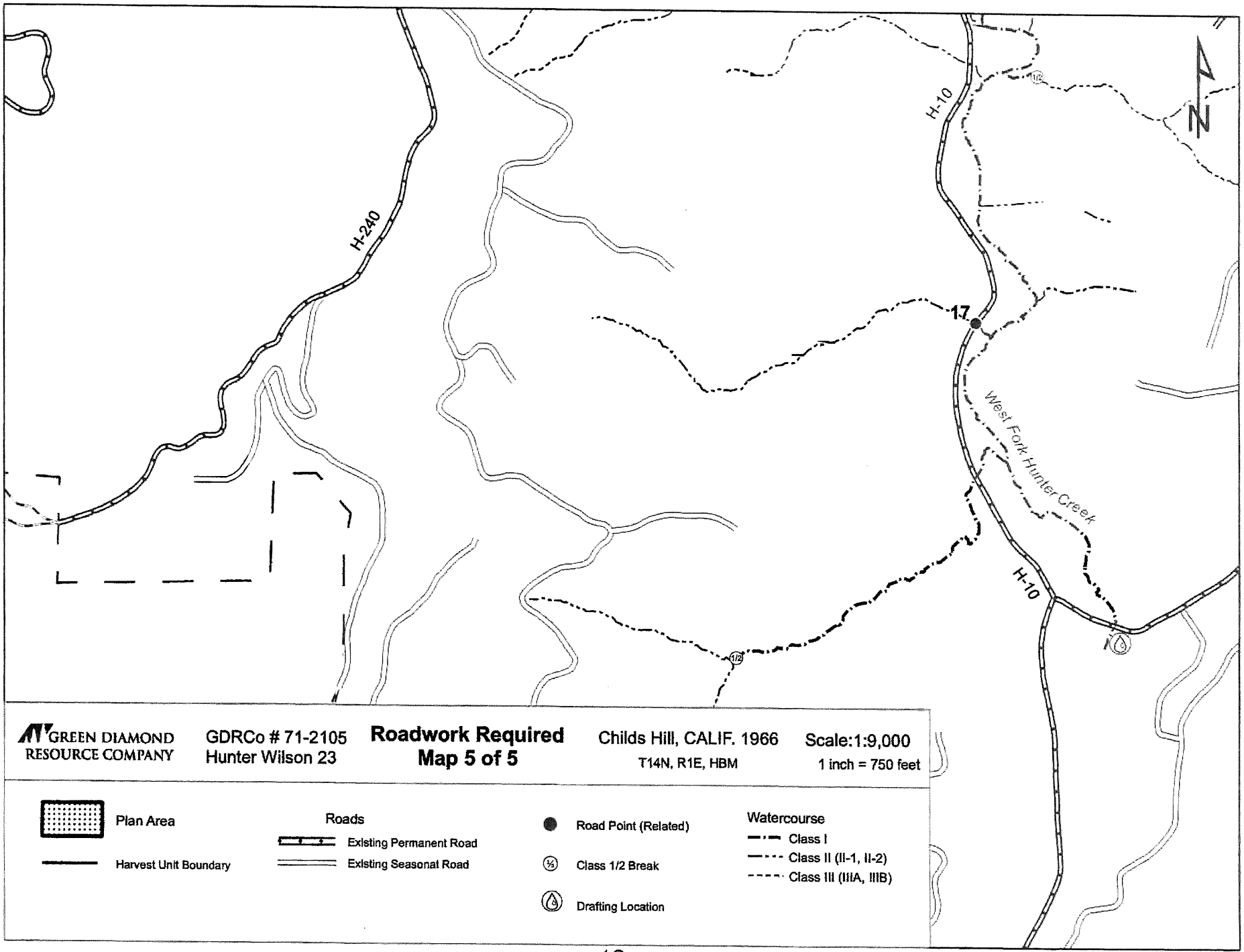
Roads
Existing Permanent Road
Existing Seasonal Road

Road Point (Related)

½ Class 1/2 Break

Drafting Location

Watercourse
Class I
Class II (II-1, II-2)
Class III (IIIA, IIIB)



GREEN DIAMOND RESOURCE COMPANY

GDRCo # 71-2105
Hunter Wilson 23

Roadwork Required
Map 5 of 5

Childs Hill, CALIF. 1966
T14N, R1E, HBM

Scale:1:9,000
1 inch = 750 feet

Plan Area

Harvest Unit Boundary

Roads
Existing Permanent Road
Existing Seasonal Road

Road Point (Related)

½ Class 1/2 Break

Drafting Location

Watercourse
Class I
Class II (II-1, II-2)
Class III (IIIA, IIIB)

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	01		**Legal Description**	15.0N 01.0E	30
Road Name	W-600.75L		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 407873	E:4612848			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. An ephemeral Class II watercourse with a stable fill crossing with flow that drains off the outboard road edge.

TREATMENT : Use as is and remove prior to the Winter Period of the year of use. OR If water is flowing at the time of operations install a temporary pipe to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

Excavated Volume	586	**Erosion Potential**	Low
Delivery Volume	410	**AHCP Priority**	Low
Disturbed Surface Area	3514	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	03.5		**Legal Description**	15.0N 01.0E	29
Road Name	W-600		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	See comments in road work description.	
UTM	N : 408783	E:4612803			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	NO	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A dormant-historic, shallow debris slide, failed from the W-600 haul road to a Class I watercourse. The road surface of the W-600 haul road is intact and unaltered from slide activity; the running surface of the road is approximately 15 feet wide at this location.

TREATMENT : No specific road work is proposed for this site as the road prism meets the minimum width necessary for safe passage of vehicles and equipment; however, this stretch of road segment will be included within the overall segments to be treated. Per GDRCo geology staff recommendations... The W-10 and W-600 haul roads shall remain outsloped from Road Point 3 to the junction of the W-600.50R haul road and the outslope shall be maintained during road opening activities. At the junction of the W-600 and W-600.50R where the road surfaces turn to dirt, the W-600 and W-600.50R shall be equipped with waterbreaks. No surface drainage structures shall be directed onto unstable areas.

Excavated Volume	0	**Erosion Potential**	Low
Delivery Volume	0	**AHCP Priority**	Low
Disturbed Surface Area	0	**Excavated Materials**	

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	04		**Legal Description**	15.0N 01.0E	29
Road Name	W-10		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 408750	E:4612722			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Permanent	
Project Type	I		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class I watercourse crossing with a railcar bridge with failing abutments. There is active erosion underneath the abutments and scour at the base of the fill underneath the bridge. This site is located within 1,000 feet of a Class I Coho watercourse. The road approach surfaces shall be treated to minimize the potential for sediment mobilization.

TREATMENT : No operations can start until a qualified biologist has identified and relocated sensitive aquatic species. Install a bridge to FPR and GDRCo AHCP guidelines as described in Section II of this THP. A concrete, prefabricated or railcar bridge will be used. Remove existing abutments and excavate side slopes to a 1.5 : 1 angle. The bridge will have a minimum length of 44 feet and a minimum height of 6.6 feet from the bottom of the bridge to the base of the channel. The width of the channel under the bridge will be a minimum width of 17 feet after the installation of rip rap. Fill slopes will have rip rap, with an average size of 3 feet, placed from the channel to the abutments of the bridge. The road approach surface shall be treated with either: rock, slash, seed and straw mulch, seed and stabilized straw, or seed and slash from the watercourse channel to the nearest drainage facility, but not less than 50 feet, or to the hydrologic divide, whichever is less, prior to the Winter Period of the year the road is used.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	05		**Legal Description**	15.0N 01.0E	29
Road Name	W-10		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 408746	E:4612704			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class I watercourse with direct delivery from an outboard fill failure. The failure has delivered approximately 183 cubic yards of material with approximately 277 cubic yards remaining in the road fill.

TREATMENT : Per GDRCo geology staff recommendations... Any overhanging material at the scarp shall be removed. Road width shall be achieved by retreating into the cutslope to minimum amount necessary for safe passage of vehicles and equipment. All excavated material shall be end hauled to a stable location. Excavations shall be roughly two feet on the outboard edge and roughly three feet into the cutslope.

Excavated Volume	277	**Erosion Potential**	High
Delivery Volume	194	**AHCP Priority**	High
Disturbed Surface Area	1663	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	06		**Legal Description**	15.0N 01.0E	29
Road Name	W-10		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408752	E:4612654			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class I watercourse with direct delivery from an outboard fill failure. The failure has delivered approximately 1281 cubic yards of material with approximately 1941 cubic yards remaining in the road fill. An unstable area has deposited material on the road surface, narrowing the road width to less than 14'. Half of the road surface for 30' is covered in 15 cubic yards of soil and debris.

TREATMENT : This site was reviewed in the field by GDRCo Geology staff. Excavate unconsolidated material on road surface and cutslope, and reshape the road prism to the minimum width necessary for safe hauling. End haul excavated materials to a stable location.

Excavated Volume	1941	**Erosion Potential**	Medium
Delivery Volume	1359	**AHCP Priority**	Medium
Disturbed Surface Area	11649	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	07		**Legal Description**	15.0N 01.0E	32
Road Name	W-500		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 408557	E:4611426			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse crossing with a 18" CMP with crushed inlet at 50% capacity and crushed outlet at less than 25% capacity.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	310	**Erosion Potential**	High
Delivery Volume	217	**AHCP Priority**	Medium
Disturbed Surface Area	1860	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	08		**Legal Description**	15.0N 01.0E	31
Road Name	W-540		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 408336	E:4611050			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure Site. A failing Humboldt crossing on a Class II watercourse with voids in the running surface 20' to the right approach.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	1546	**Erosion Potential**	High
Delivery Volume	1020	**AHCP Priority**	High
Disturbed Surface Area	41760	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	10		**Legal Description**	T15N R01E	31
Road Name	Historic Tractor Road		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408427	E:4611070			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is new road construction and does not qualify as an Imminent Risk of Failure site. A Class II watercourse with a failing Humboldt crossing on a proposed temporary road. Voids are present in the skid trail and sediment is delivering to the road point below.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

Excavated Volume	136	**Erosion Potential**	Low
Delivery Volume	95	**AHCP Priority**	Low
Disturbed Surface Area	814	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	11		**Legal Description**	T32 R 32	
Road Name	Temporary Road		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 408571	E:4610970			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is new road construction and does not qualify as an Imminent Risk of Failure site. A Class II watercourse with no crossing structure on a proposed temporary road.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	712105		**GDRCo Name**	Hunter Wilson 23	
State THP#	1-22-00167-Del		**Calwater Watershed**	Upper West Fork Hunter Creek	1105.110802
Road Point	16		**Legal Description**	14.0N 01.0E 3	
Road Name	H-300		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Prior to the completion of operations.	
UTM	N : 412874	E:4609325			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing with a 30" CMP that has a crushed inlet at 50% capacity. There is no evidence of past over-topping or diversion.

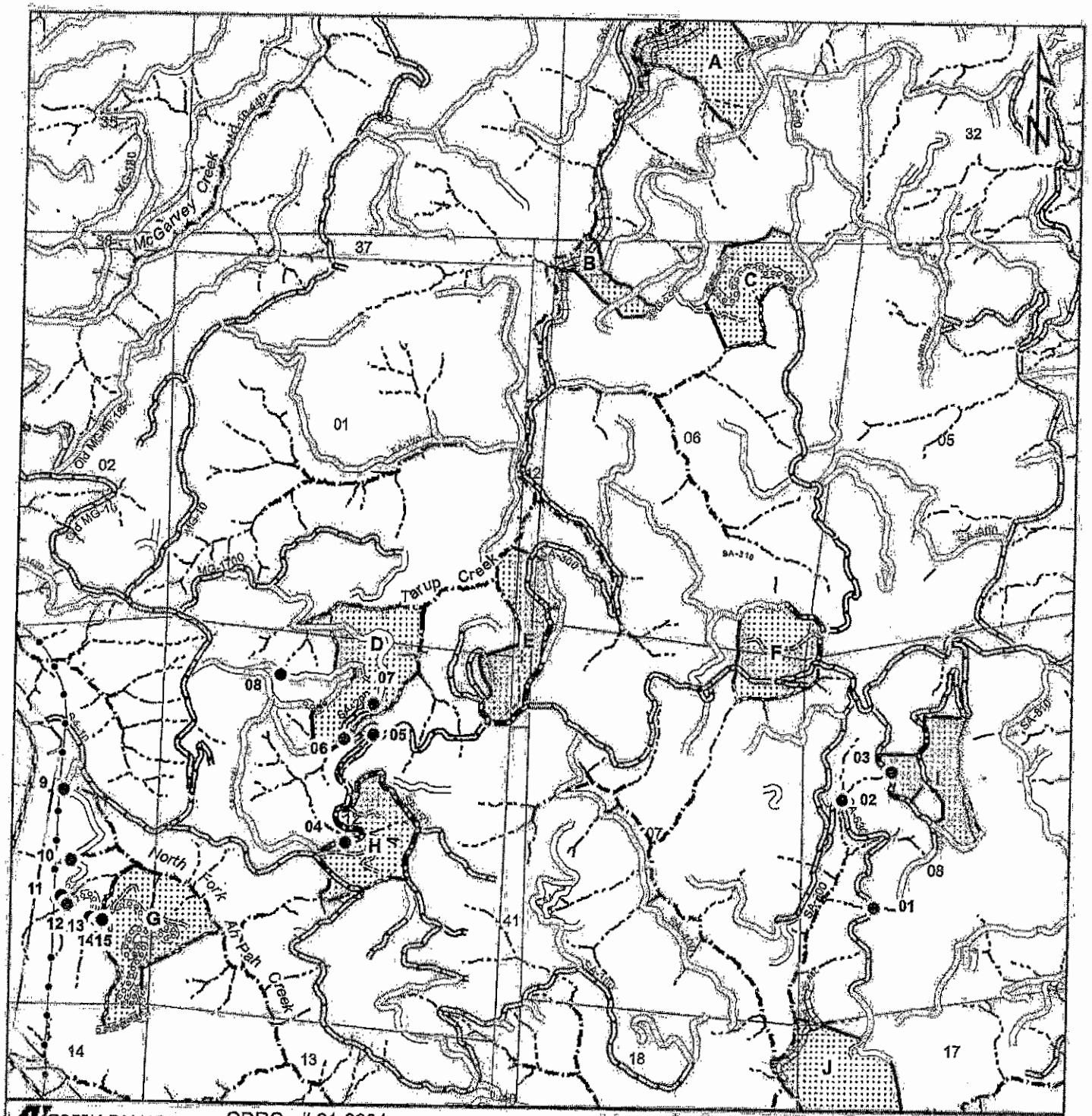
TREATMENT : Pry open the inlet of the CMP. OR Excavate between flagged TOP and BOT removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	640	**Erosion Potential**	Low
Delivery Volume	448	**AHCP Priority**	Low
Disturbed Surface Area	3840	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

TMIS - Culvert Report

SiteId	THP#	RDpts#	Acres	Length (Miles)	lower Elevation	Upper Elevation	Altitude	TC	cfs	C.Diam (inches)	C.Diam,Int (inches)	Method
8784	712105	07	3.36	0.22	342.9	808.9	419.4	2.54	3.95	24	7.35	Rational
8836	712105	08	5.58	0.19	542.3	775.6	209.97	2.8	6.56	24	12.2	Rational
35435	712105	16	2.46	0.13	1435.24	1612.42	159.462	2.01	2.89	24	5.39	Rational



GREEN DIAMOND RESOURCE COMPANY
GDRCo # 61-2201
S-Line Split
USGS: Ah Pah Ridge (1983), Fern Canyon (1966)

THP Roadwork Required
Map Pg 1 of 2

T13N R02E S31;
T12N R02E S 6, 6, 7, 8, 17, 18, 42;
T12N R01E S 1, 11, 12, 14
HB&M

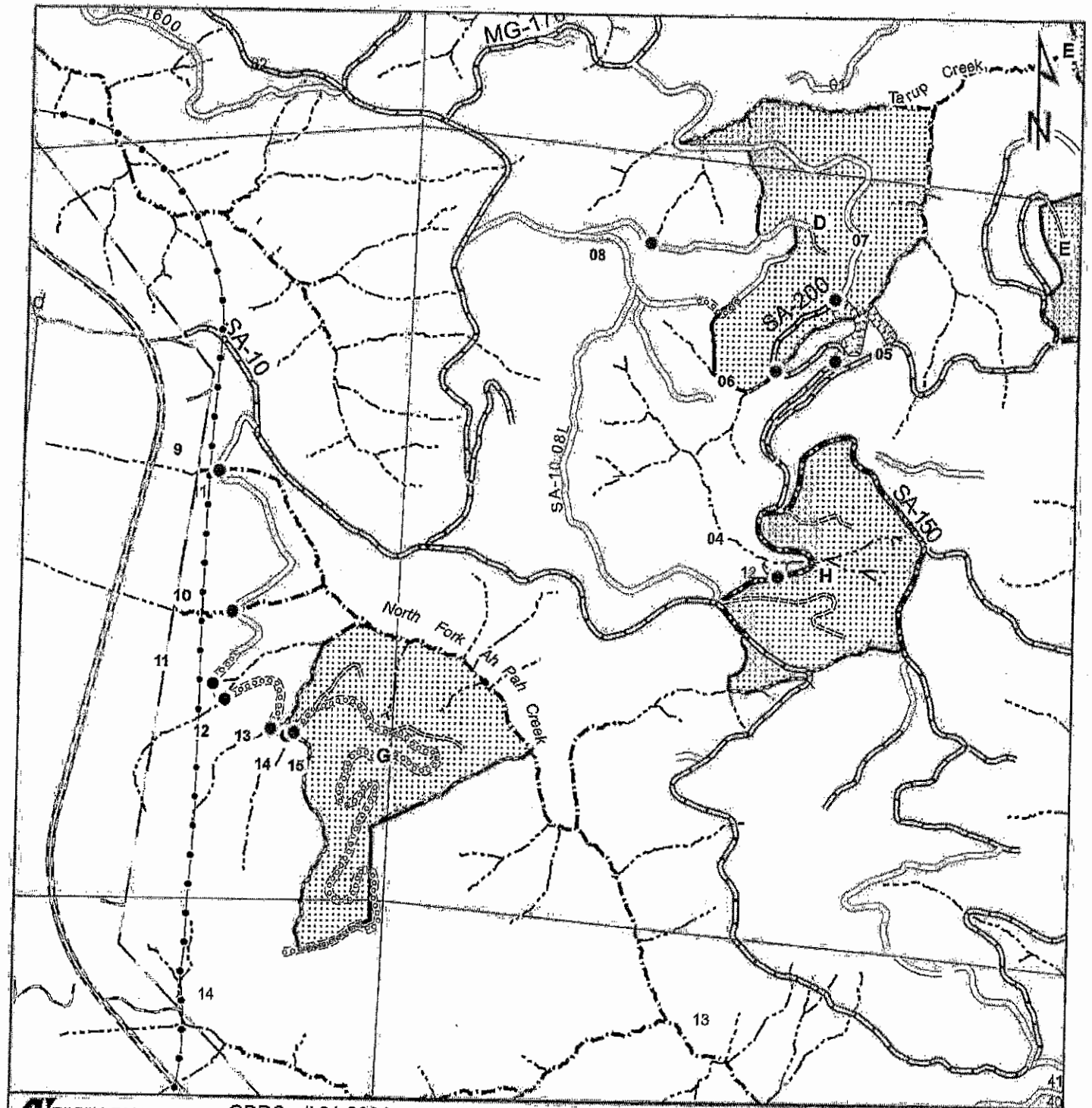
Scale: 1:24,000
1 inch = 2,000 feet

- Roadwork Point
- Plan Area
- .25 mi. MAMU Buffer

Roads
- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Existing Seasonal to be Reconstructed
- Proposed Temporary Road (to be abandoned)
- Existing Seasonal Road (Not Proposed for use)

Watercourse
- Class I
- Class II (II-1, II-2)
- Class III (IIIA, IIIB)
- GDRCo Ownership
- Harvest Unit Boundary

INTERNAL USE ONLY
A - 1323111
B - 1220623
C - 1220617
D - 1211222
E - 1220613
F - 1220614
G - 1211224
H - 1211217
I - 1220817
J - 1221725



GREEN DIAMOND RESOURCE COMPANY
USGS: Ah Pah Ridge (1983), Fern Canyon (1966)

GDRCo # 61-2201
S-Line Split

THP Roadwork Required
Map Pg 2 of 2

T13N R02E S31;
T12N R02E S 5, 6, 7, 8, 17, 18, 42;
T12N R01E S 1, 11, 12, 14
HB&M

Scale: 1:12,000
1 inch = 1,000 feet

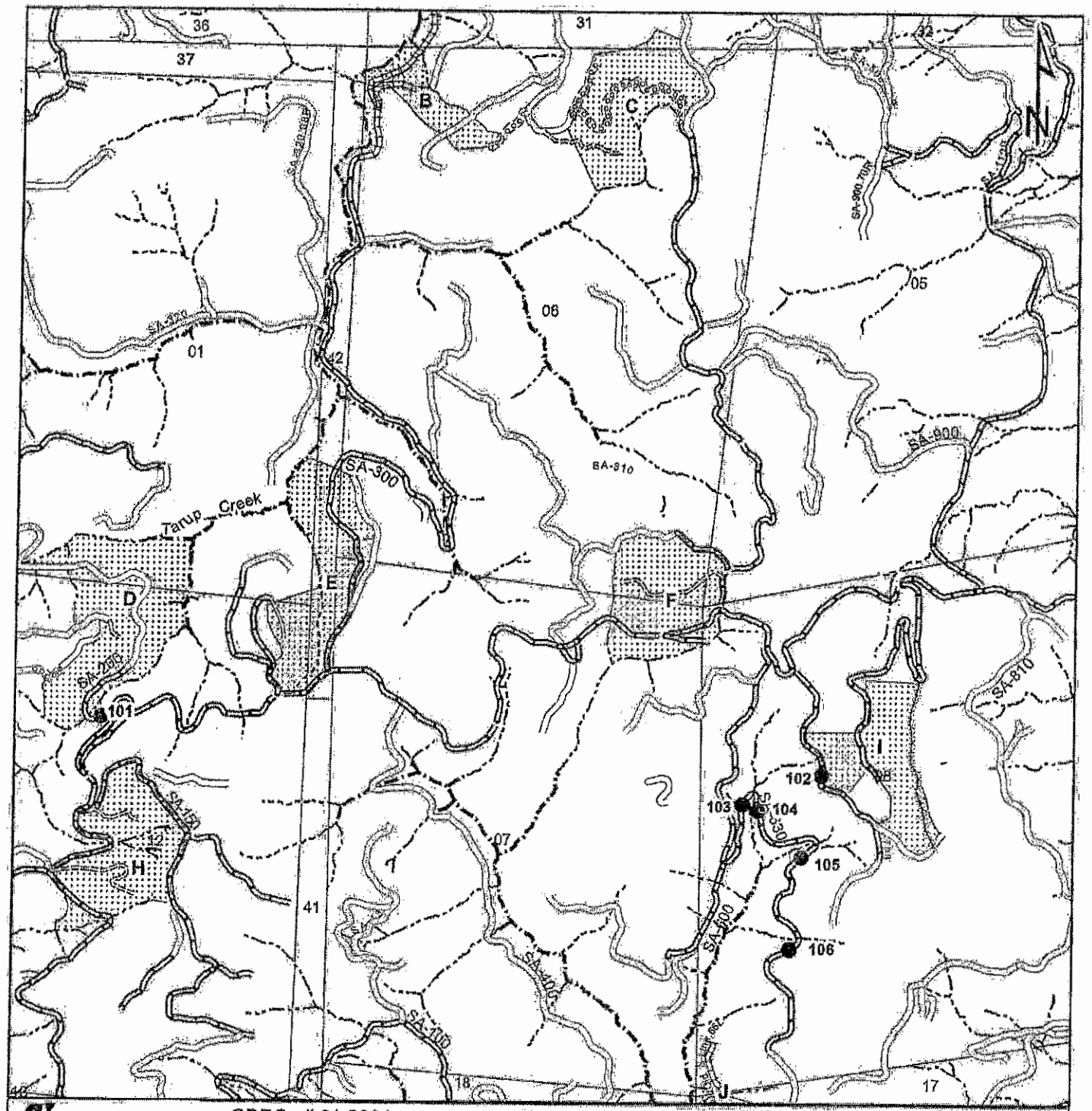
- Roadwork Point
- Plan Area
- .25 mi. MAMU Buffer

Roads
- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Existing Seasonal to be Reconstructed
- Proposed Temporary Road (to be abandoned)
- Existing Seasonal Road (Not Proposed for use)

Watercourse
- Class I
- Class II (II-1, II-2)
- Class III (IIIA, IIIB)
- GDRCo Ownership
- Harvest Unit Boundary
- Ustable Area (SRL)

INTERNAL USE ONLY

A	1323111
B	1220623
C	1220617
D	1211222
E	1220613
F	1220614
G	1211224
H	1211217
I	1220817
J	1221725



GREEN DIAMOND RESOURCE COMPANY
USGS: Ah Pah Ridge (1983), Fern Canyon (1966)

GDRCo # 61-2201
S-Line Split

THP Hydrologic Disconnect Map

T13N R02E S31;
T12N R02E S 5, 6, 7, 8, 17, 18, 42;
T12N R01E S 1, 11, 12, 14
HB&M

Scale: 1:18,000
1 Inch = 1,500 feet

- Disconnect Point
- Plan Area
- .25 mi. MAMU Buffer

Roads
- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Existing Seasonal to be Reconstructed
- Proposed Temporary Road (to be abandoned)
- Existing Seasonal Road (Not Proposed for use)

Watercourse
- Class I
- Class II (II-1, II-2)
- Class III (IIIA, IIIB)
- GDRCo Ownership
- Harvest Unit Boundary

INTERNAL USE ONLY

A -	1323111
B -	1220623
C -	1220617
D -	1211222
E -	1220613
F -	1220614
G -	1211224
H -	1211217
I -	1220817
J -	1221725

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	02		**Legal Description**	12.0N 02.0E 8	
Road Name	SA-630		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	See comments in road work description.	
UTM	N : 418267	E:4588485			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an existing Watch List site and does not qualify as an Imminent Risk of Failure site. The confluence of a Class II watercourse and a Class III watercourse with a Humboldt crossing and a 24" overflow pipe. There are no erosional voids or evidence that that watercourse has overtopped the road in the past. There is cracking and slumping in the road towards the right approach.

TREATMENT : LWD or other material shall be placed below the outlet to dissapate energy from flows. This site will remain on the Watch List and be inspected annually until it qualifies as an Imminent Risk of Failure site.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Tarup Creek	1105.110703
Road Point	08		**Legal Description**	12.0N 01.0E	12
Road Name	MG-1800		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 415832	E:4588991			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that was removed to FPR and GDRCo AHCP standards.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	09		**Legal Description**	T11 R 11	
Road Name	SA-10.10R		**Annual Plan Year**	2023	
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 : 414909	E:4588480			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	I		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class I watercourse crossing that was removed to FPR and GDRCo AHCP standards.

TREATMENT : No operations can start until a qualified biologist has identified and relocated sensitive aquatic species. Install a bridge to FPR and GDRCo AHCP guidelines as described in Section II of this THP. A concrete, prefabricated or railcar bridge will be used. Remove existing abutments and excavate side slopes to a 1.5 : 1 angle. The bridge will have a minimum length of 16 feet and a minimum height of 3.6 feet from the bottom of the bridge to the base of the channel. The width of the channel under the bridge will be a minimum width of 5 feet after the installation of rip rap. Fill slopes will have rip rap, with a minimum size of 0.5 feet, placed from the channel to the abutments of the bridge. These mesasurements inform a minimum area under the bridge of 15 cubic feet.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	10		**Legal Description**	T11 R 11	
Road Name	SA-10.10R		**Annual Plan Year**	2023	
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 : 414947	E:4588180			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	I		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class I watercourse crossing that was removed to FPR and GDRCo AHCP standards.

TREATMENT : No operations can start until a qualified biologist has identified and relocated sensitive aquatic species. Install a bridge to FPR and GDRCo AHCP guidelines as described in Section II of this THP. A concrete, prefabricated or railcar bridge will be used. Remove existing abutments and excavate side slopes to a 1.5 : 1 angle. The bridge will have a minimum length of 15 feet and a minimum height of 3.6 feet from the bottom of the bridge to the base of the channel. The width of the channel under the bridge will be a minimum width of 4 feet after the installation of rip rap. Fill slopes will have rip rap, with a minimum size of 0.5 feet, placed from the channel to the abutments of the bridge. These measurements inform an area under the bridge of 23 cubic feet.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Tarup Creek	1105.110703
Road Point	101		**Legal Description**	12.0N 01.0E	12
Road Name	SA-200		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Prior to log hauling in the Winter Period (October 15- May 1)	
UTM	N : 416130	E:4588708			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	NO	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that is hydrologically connected on the right approach. Seep flow will be captured in the ditch modifications as part of M.9 and drained by the culvert at WL.3.

TREATMENT : Install a DRC at the flagged location, upslope from the seep flow, to hydrologically disconnect the road from the adjacent watercourse.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	102		**Legal Description**	12.0N 02.0E	8
Road Name	SA-700		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Prior to log hauling in the Winter Period (October 15- May 1)	
UTM	N : 418473	E:4588616			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	NO	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that is hydrologically connected to the ditchline on the left approach.

TREATMENT : Install a DRC at the flagged location to hydrologically disconnect the watercourse and drain ditch flow prior to the unstable cutslope.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	103		**Legal Description**	12.0N 02.0E	8
Road Name	SA-630		**Annual Plan Year**	2023	
Road Surface	Native Rock		**Work Timing**	Prior to log hauling in the Winter Period (October 15- May 1)	
UTM	N : 418268	E:4588480			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	NO	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that is hydrologically connected to the road surface on the right approach.

TREATMENT : Install a drainage structure on the right approach to hydrologically disconnect the road from the adjacent watercourse.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	104		**Legal Description**	12.0N 02.0E	8
Road Name	SA-630		**Annual Plan Year**	2023	
Road Surface	Native Rock		**Work Timing**	Prior to log hauling in the Winter Period (October 15- May 1)	
UTM	N : 418268	E:4588480			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	NO	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that is hydrologically connected to the road surface on the left approach.

TREATMENT : Install a drainage structure on the left approach to hydrologically disconnect the road from the adjacent watercourse.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	105		**Legal Description**	12.0N 02.0E	8
Road Name	SA-630		**Annual Plan Year**	2023	
Road Surface	Native Rock		**Work Timing**	Prior to log hauling in the Winter Period (October 15- May 1)	
UTM	N : 418401	E:4588254			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	NO	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that is hydrologically connected on the right approach.

TREATMENT : Install a drainage structure at the flagged location on the right approach to hydrologically disconnect the road surface from the adjacent watercourse.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	106		**Legal Description**	12.0N 02.0E	8
Road Name	SA-630		**Annual Plan Year**	2023	
Road Surface	Native Rock		**Work Timing**	Prior to log hauling in the Winter Period (October 15- May 1)	
UTM	N : 418419	E:4588014			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	NO	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that is hydrologically connected on the left approach.

TREATMENT : Install a drainage structure on the left approach to hydrologically disconnect the road surface from the adjacent watercourse.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	11		**Legal Description**	T11 R 11	
Road Name	SA-10.10R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 414909	E:4588020			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is new road construction and does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crosses a Class II watercourse.

TREATMENT : Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
OR install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	12		**Legal Description**	T11 R 11	
Road Name	SA-10.10R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 414928	E:4587990			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is new road construction and does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crosses a Class II watercourse.

TREATMENT : Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
OR install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	13		**Legal Description**	T11 R 11	
Road Name	Sa-10.10R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 415037	E:4587920			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is new road construction and does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crosses a Class II watercourse.

TREATMENT : Install a 30" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
OR install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	14		**Legal Description**	T11 R 11	
Road Name	SA-10.10R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 415069	E:4587910			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is new road construction and does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crosses a Class II watercourse.

TREATMENT : Install a 30" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
OR install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	612201		**GDRCo Name**	S Line	
State THP#	1-22-00158-Hum		**Calwater Watershed**	Ah Pah Creek	1105.110702
Road Point	15		**Legal Description**	T11 R 11	
Road Name	SA-10.10R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 415078	E:4587910			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is new road construction and does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crosses a Class II watercourse.

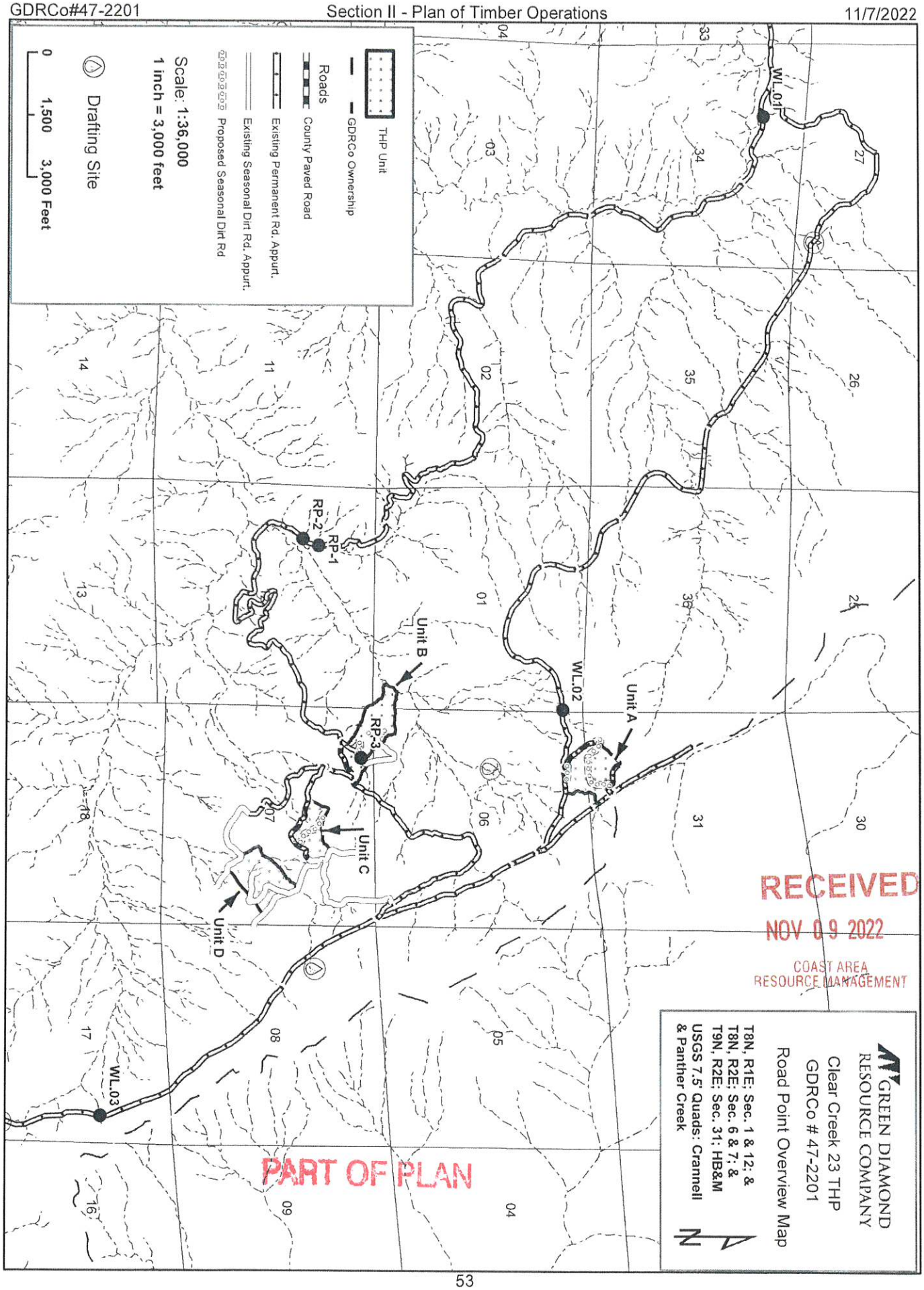
TREATMENT : Install a 36" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
OR install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

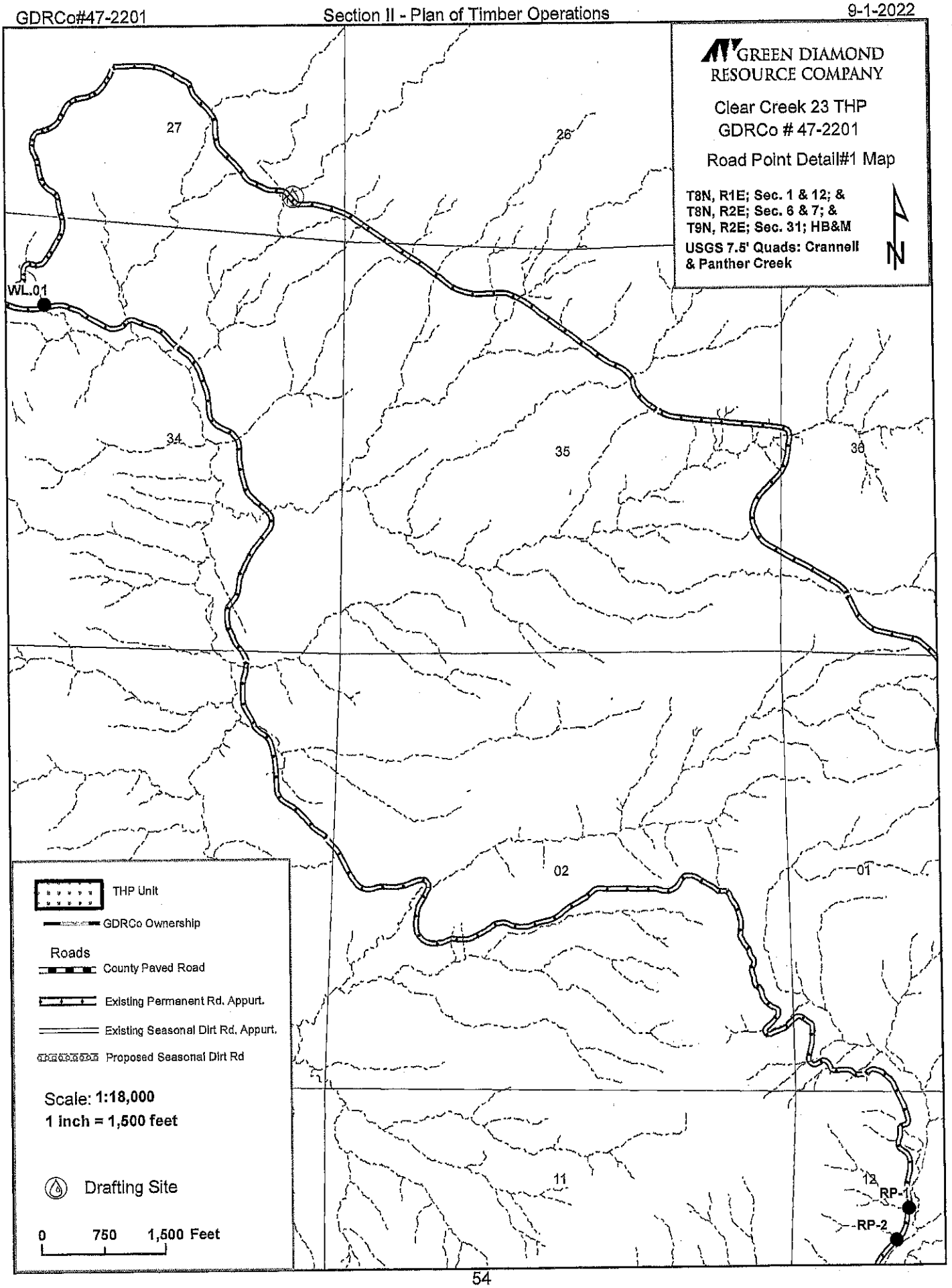
Excavated Volume	0	**Erosion Potential**	Low
Delivery Volume	0	**AHCP Priority**	NAP
Disturbed Surface Area	0	**Excavated Materials**	Soil,Gravel,Rock and Wood

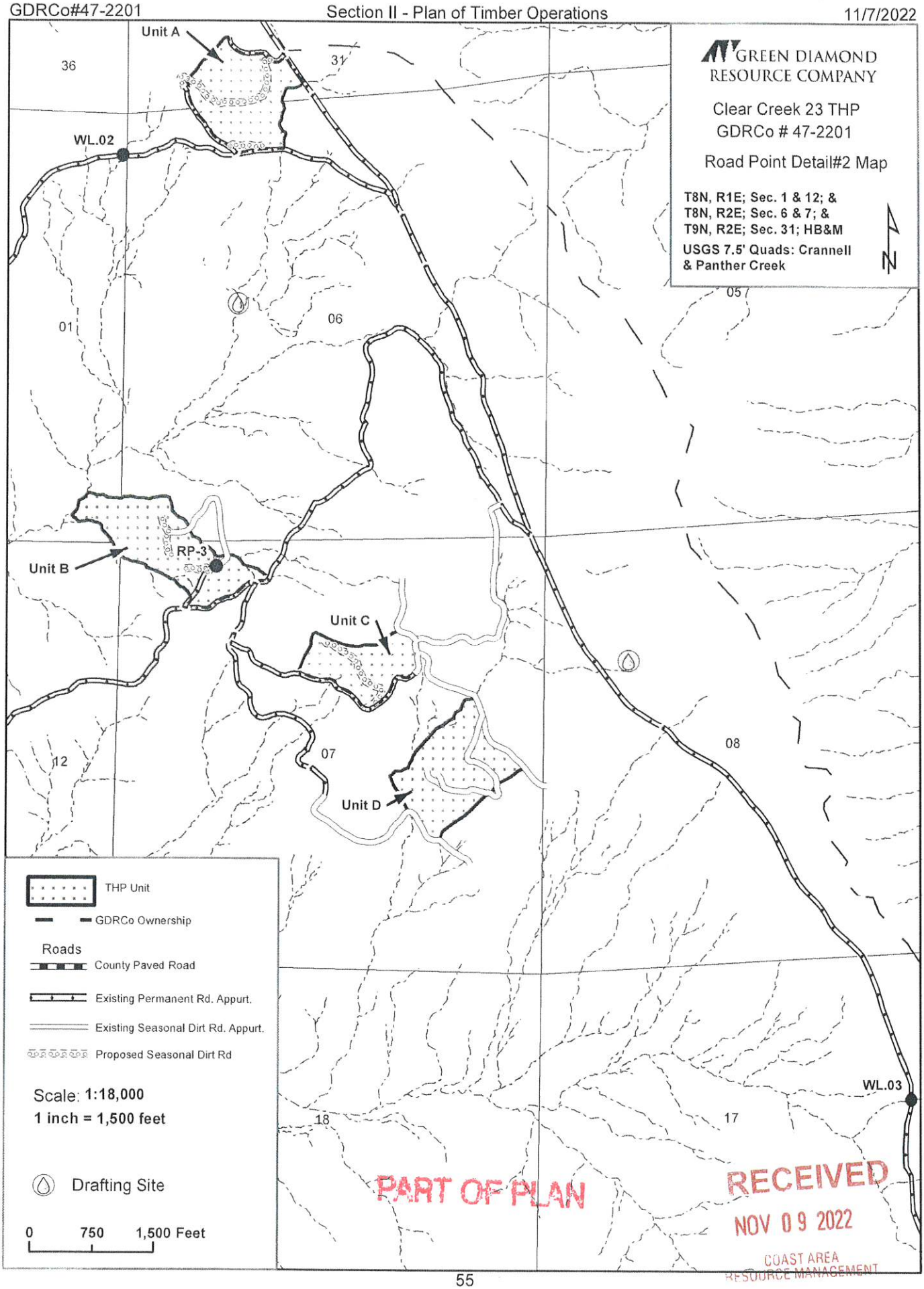
GREEN DIAMOND RESOURCE COMPANY

TMIS - Culvert Report

SiteId	THP#	RDpts#	Acres	Length (Miles)	lower Elevation	Upper Elevation	Altitude	TC	cfs	C.Diam (inches)	C.Diam,Int (inches)	Method
10380433	612201	09	25.25	0.31	836	1102	239.4	4.69	29.69	36	34.4	Rational
10439900	612201	10	53.8	0.48	831	1148	285.3	7.26	63.27	48	46.84	Rational
10439893	612201	11	6	0.1	953	1153	180	1.42	7.06	24	13.13	Rational
10439894	612201	12	9	0.15	940	1040	90	2.96	10.58	24	19.69	Rational
10439895	612201	13	15	0.3	907	1291	345.6	3.92	17.64	30	27.56	Rational
10439896	612201	14	11	0.27	903	1260	321.3	3.57	12.94	30	24.03	Rational
10439897	612201	15	18	0.33	903	1274	333.9	4.44	21.17	36	30.13	Rational


THP Unit
GDRCo Ownership
Roads
County Paved Road
Existing Permanent Rd. Appurt.
Existing Seasonal Dirt Rd. Appurt.
Proposed Seasonal Dirt Rd
Scale: 1:36,000
1 inch = 3,000 feet
Drafting Site
0 1,500 3,000 Feet
WL.01
WL.02
WL.03
RP-1
RP-2
RP-3
Unit A
Unit B
Unit C
Unit D
RECEIVED
NOV 09 2022
COAST AREA
RESOURCE MANAGEMENT
PART OF PLAN
GREEN DIAMOND RESOURCE COMPANY
Clear Creek 23 THP
GDRCo # 47-2201
Road Point Overview Map
T8N, R1E; Sec. 1 & 12; &
T8N, R2E; Sec. 6 & 7; &
T9N, R2E; Sec. 31; HB&M
USGS 7.5' Quads: Crannell
& Panther Creek


GREEN DIAMOND RESOURCE COMPANY
Clear Creek 23 THP
GDRCo # 47-2201
Road Point Detail#1 Map
T8N, R1E; Sec. 1 & 12; &
T8N, R2E; Sec. 6 & 7; &
T9N, R2E; Sec. 31; HB&M
USGS 7.5' Quads: Crannell & Panther Creek
N
WL.01
27
26
34
35
36
02
01
11
12
RP-1
RP-2
THP Unit
GDRCo Ownership
Roads
County Paved Road
Existing Permanent Rd. Appurt.
Existing Seasonal Dirt Rd. Appurt.
Proposed Seasonal Dirt Rd
Scale: 1:18,000
1 inch = 1,500 feet
Drafting Site
0 750 1,500 Feet



PART OF PLAN

RECEIVED
NOV 09 2022
COAST AREA
RESOURCE MANAGEMENT

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

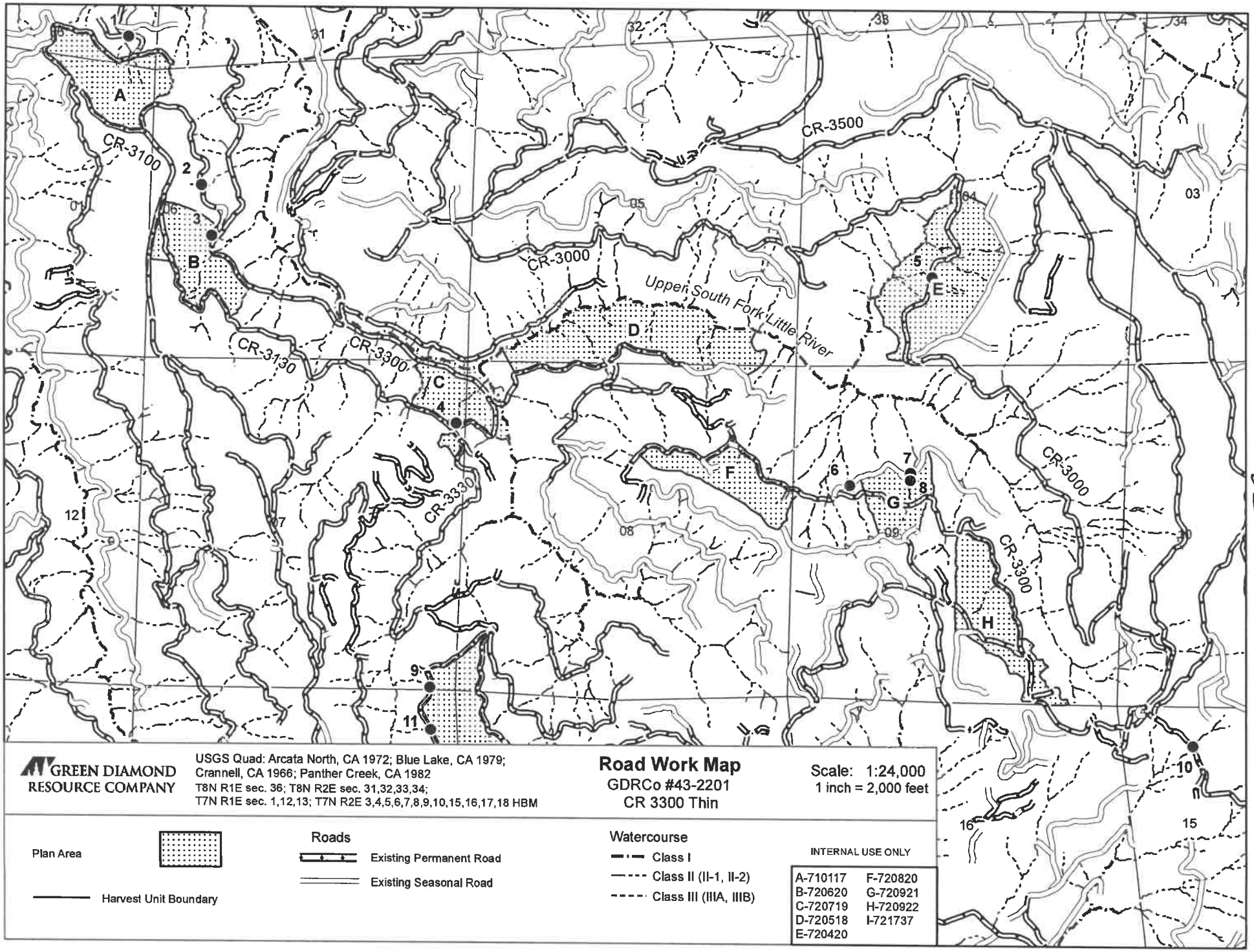
Date Print : 2/23/2023

GDRCo#	472201		**GDRCo Name**	Clear Creek 23	
State THP#	1-22-00144 Hum		**Calwater Watershed**	Maple Creek	1108.100003
Road Point	RP-1		**Legal Description**	08.0N / 01.0E	12
Road Name	BL-2600		**Annual Plan Year**	2023	
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 : 414669	E:4549987			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Coastal Lagoons		**Road Use Rectriction**	Permanent	
Project Type	I		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class I watercourse crossing with a 24" culvert that is perched 4-6" at the outlet. This crossing is a temporary fish barrier.

TREATMENT : No operations can start until a qualified biologist has identified and relocated sensitive aquatic species. Operations may commence prior to June 15 without a survey by a qualified biologist for the presence of redds.
Excavate between the flagged TOP, located 30-feet above the inlet, and BOT, located 25-feet below the outlet, removing sediment, debris, and buried logs. Install a bridge to FPR and GDRCo AHCP guidelines as described in Section II of this THP. A concrete, prefabricated or railcar bridge will be used. Excavate side slopes to a 1.5 : 1 angle. The bridge will have a minimum length of 13.6 feet and a minimum height of 4 feet from the bottom of the bridge to the base of the channel. The width of the channel under the bridge will be a minimum width of 2.4 feet after the installation of rip rap. These dimensions inform a 13.6 cubic foot required area under the bridge. Fill slopes will have rip rap, with a minimum size of 1 foot, placed from the channel to the abutments of the bridge.

Excavated Volume	0	**Erosion Potential**	Low
Delivery Volume	0	**AHCP Priority**	Low
Disturbed Surface Area	200	**Excavated Materials**	Soil,Gravel,Rock and Wood



GREEN DIAMOND RESOURCE COMPANY

USGS Quad: Arcata North, CA 1972; Blue Lake, CA 1979; Crannell, CA 1966; Panther Creek, CA 1982
T8N R1E sec. 36; T8N R2E sec. 31,32,33,34;
T7N R1E sec. 1,12,13; T7N R2E 3,4,5,6,7,8,9,10,15,16,17,18 HBM

Road Work Map

GDRCo #43-2201
CR 3300 Thin

Scale: 1:24,000
1 inch = 2,000 feet

Plan Area

Harvest Unit Boundary

Roads
- Existing Permanent Road
- Existing Seasonal Road

Watercourse
- Class I
- Class II (II-1, II-2)
- Class III (IIIA, IIIB)

INTERNAL USE ONLY

A-710117	F-720820
B-720620	G-720921
C-720719	H-720922
D-720518	I-721737
E-720420	

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	432201		**GDRCo Name**	CR 3300	
State THP#	1-22-00004-Hum		**Calwater Watershed**	Lower South Fork	1108.200001
Road Point	04		**Legal Description**	T07 R 7	
Road Name	CR-3130 Tie		**Annual Plan Year**	2023	
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 : 417065	E:4540430			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Little River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A spur road crosses the head of a Class III watercourse that lacks a crossing structure. The road surface is saturated.

TREATMENT : Prior to use excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP. Install an inboard ditch on the left approach for approximately 30 feet to catch drainage from a small seep in the cutbank.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	432201		**GDRCo Name**	CR 3300	
State THP#	1-22-00004-Hum		**Calwater Watershed**	Lower South Fork	1108.200001
Road Point	05		**Legal Description**	07.0N	02.0E 4
Road Name	CR-3000		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 419399	E:4541150			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Little River		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse with a 24" CMP that is rusted through greater than 25% of the length.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 36" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	16	**Erosion Potential**	High
Delivery Volume	11	**AHCP Priority**	High
Disturbed Surface Area	94	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	432201		**GDRCo Name**	CR 3300	
State THP#	1-22-00004-Hum		**Calwater Watershed**	Lower South Fork	1108.200001
Road Point	06		**Legal Description**	07.0N	02.0E 9
Road Name	CR-3300.68L		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 418995	E:4540130			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Little River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site is not Imminent Risk. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
Or, install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	432201		**GDRCo Name**	CR 3300	
State THP#	1-22-00004-Hum		**Calwater Watershed**	Lower South Fork	1108.200001
Road Point	07		**Legal Description**	07.0N / 02.0E	9
Road Name	CR-3300.68L		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 419296	E:4540191			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Little River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site is not Imminent Risk. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a 30" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
Or, install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	432201		**GDRCo Name**	CR 3300	
State THP#	1-22-00004-Hum		**Calwater Watershed**	Lower South Fork	1108.200001
Road Point	08		**Legal Description**	T09 R 9	
Road Name	Unit G Spur		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 419295	E:4540160			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Little River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse with a failing fill crossing. The BOT is located at the TOP for road point 7 on the lower road.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	432201		**GDRCo Name**	CR 3300	
State THP#	1-22-00004-Hum		**Calwater Watershed**	Lower South Fork	1108.200001
Road Point	09		**Legal Description**	07.0N	02.0E 7
Road Name	CR-3335		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 416934	E:4539136			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Little River		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class III watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	432201		**GDRCo Name**	CR 3300	
State THP#	1-22-00004-Hum		**Calwater Watershed**	Lower South Fork	1108.200001
Road Point	11		**Legal Description**	07.0N / 02.0E	18
Road Name	CR-3335		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 416940	E:4538930			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Little River		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure Site. A Class III watercourse crossing has been removed to FPR and GRDCo AHCP guidelines.

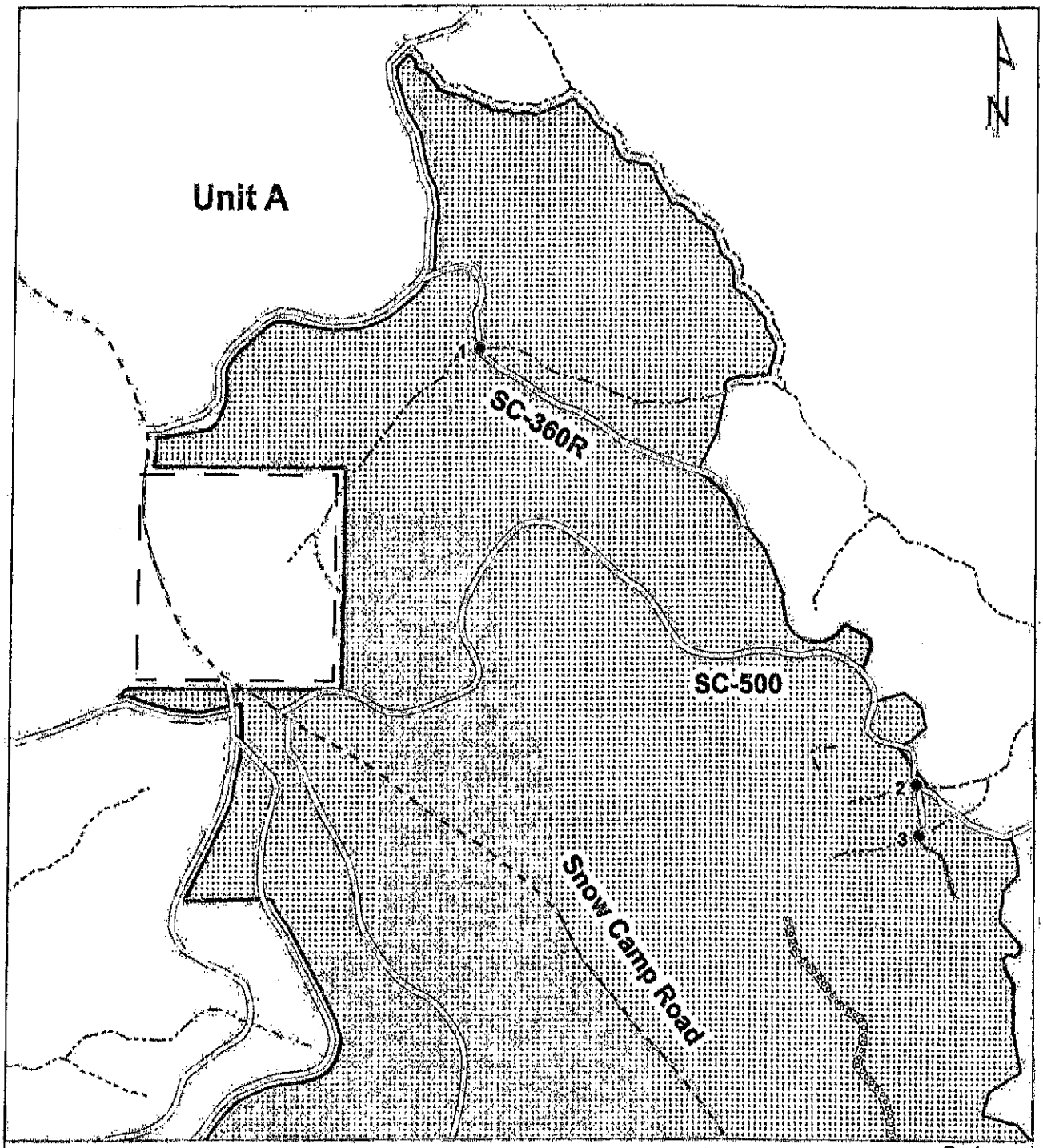
TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of Use.

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

GREEN DIAMOND RESOURCE COMPANY

TMIS - Culvert Report

SiteId	THP#	RDpts#	Acres	Length (Miles)	lower Elevation	Upper Elevation	Altitude	TC	cfs	C.Diam (inches)	C.Diam,Int (inches)	Method
10443931	432201	04	6.9	0.14	817779	1207977	351178.2	0.11	9.42	24	17.52	Rational
10193	432201	05	30.44	0.67	1030	1920	801	7.18	26.85	36	32.97	Rational
10157	432201	06	13.7	0.31	1212	1644	388.8	3.89	12.08	24	22.48	Rational
10156	432201	07	19.3	0.4	1137	1696	503.1	4.73	17.02	30	27.09	Rational



GREEN DIAMOND RESOURCE COMPANY

GDRCo 27-2201
Maple Creek 1977

Fernwood Thin
Sec. 28 & 33 T6N, R3E, HBM

Road Work Required Map
Contour Interval = 40 ft.

Scale:
1:4,000
1 inch = 333 feet

Roads
- Public Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Existing Seasonal to be Reconstructed

GDRCo Ownership
Harvest Unit Boundary

Watercourse
- Class I
- Class II
- Class III

Road Point

Plan Area

INTERNAL USE ONLY

Unit A: 633327

GREEN DIAMOND RESOURCE COMPANY

TMIS - Culvert Report

SiteId	THP#	RDpts#	Acres	Length (Miles)	lower Elevation	Upper Elevation	Altitude	TC	cfs	C.Diam (inches)	C.Diam,Int (inches)	Method
25928	272201	1	22.8	0.36	2645	2821	158.4	6.53	20.11	30	29.41	Rational
25926	272201	2	2.6	0.14	2610	2821	189.9	2.05	2.29	24	4.27	Rational
25925	272201	3	2.3	0.14	2624	2821	177.3	2.1	2.03	24	3.77	Rational

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 1/12/2023

GDRCo#	272201		**GDRCo Name**	Fernwood Thin	
State THP#	1-22-00148 Hum		**Calwater Watershed**	Noisy Creek	1107.300201
Road Point	1		**Legal Description**	06.0N 03.0E	28
Road Name	SC-360R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 428456	E:4524788			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Redwood Creek		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that was removed to FPR and GDRCo AHCP standards.

TREATMENT : Install a 30" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
OR install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 1/12/2023

GDRCo#	272201		**GDRCo Name**	Fernwood Thin	
State THP#	1-22-00148 Hum		**Calwater Watershed**	Noisy Creek	1107.300201
Road Point	2		**Legal Description**	06.0N 03.0E	28
Road Name	SC-500		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 428777	E:4524469			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Redwood Creek		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that was removed to FPR and GDRCo AHCP standards. A bank seep on the left approach drains into the removed crossing.

TREATMENT : Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
OR install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.
Convey the bank seep into the drainage facility.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

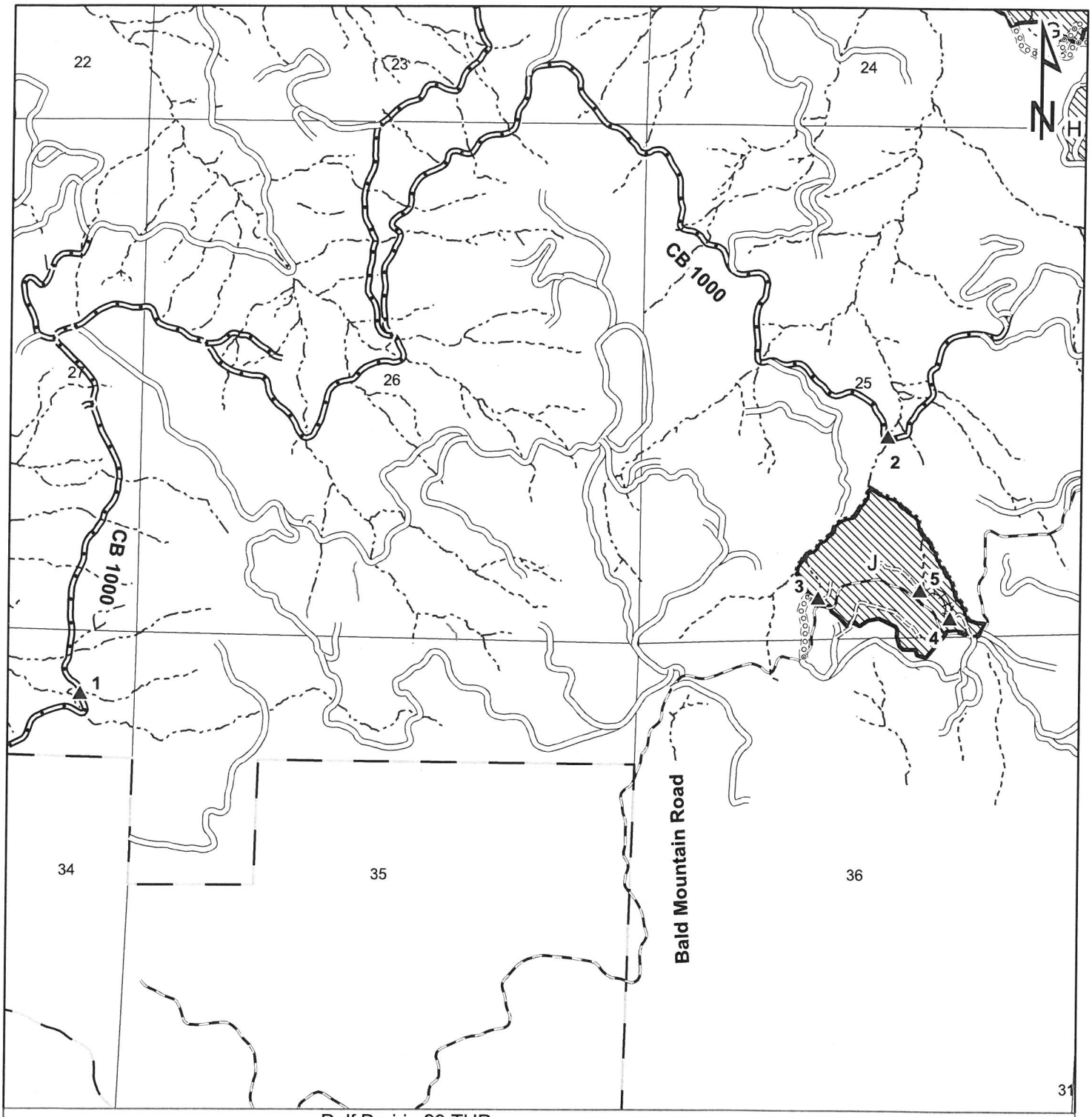
Date Print : 1/12/2023

GDRCo#	272201		**GDRCo Name**	Fernwood Thin	
State THP#	1-22-00148 Hum		**Calwater Watershed**	Noisy Creek	1107.300201
Road Point	3		**Legal Description**	06.0N 03.0E	33
Road Name	SC-500		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 428785	E:4524432			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Redwood Creek		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that was removed to FPR and GDRCo AHCP standards.

TREATMENT : Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.
OR install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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



GREEN DIAMOND RESOURCE COMPANY

Dolf Prairie 23 THP
GDRCo 262102
Road Work Required Map (1of 2)

Blue Lake, Lord Ellis Summit & Korbel USGS 7.5' quads
Sec. 24, 25, 34 & 36, T6N, R2E and
Sec. 17, 18, 19, 20 & 30, T6N, R3E

Scale:
1:18,000
1 inch = 1,500 feet

Harvest Unit

Roads
- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Existing Seasonal to be Reconstructed
- Existing Seasonal Reconstruction to be Deactivated
- Proposed Temporary Road (to be deactivated)

Watercourse
- Class I
- Class II
- Class III

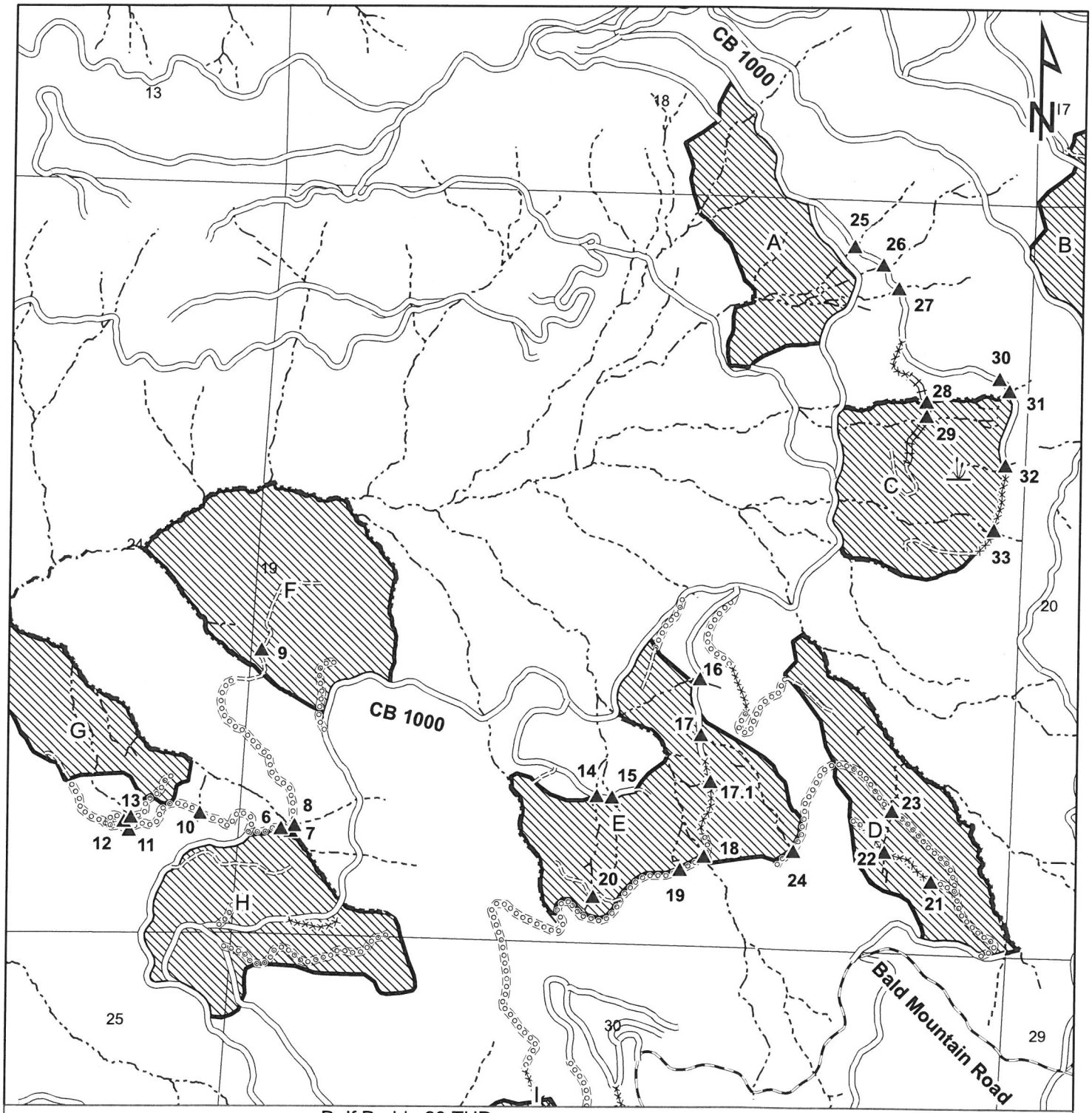
Road Point

GDRCo Ownership

Harvest Unit Boundary

INTERNAL USE ONLY

Settings IDs:
A: 631924 B: 631729
C: 631909 D: 631931
E: 631926 F: 631930
G: 622407 H: 631925
I: 633014 J: 622515



GREEN DIAMOND RESOURCE COMPANY

Dolf Prairie 23 THP
GDRCo 262102
Road Work Required Map (2 of 2)

Blue Lake, Lord Ellis Summit & Korbel USGS 7.5' quads
Sec. 24, 25 & 36, T6N, R2E and
Sec. 17, 18, 19, 20 & 30, T6N, R3E

Scale:
1:12,000
1 inch = 1,000 feet

Harvest Unit

Roads
- Public Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Existing Seasonal to be Reconstructed
- Existing Seasonal Reconstruction to be Deactivated
- Proposed Temporary Road (to be deactivated)

Watercourse
- Class I
- Class II
- Class III

Class II Wet Area

Road Point

INTERNAL USE ONLY

Settings IDs:
A: 631924 B: 631729
C: 631909 D: 631931
E: 631926 F: 631930
G: 622407 H: 631925
I: 633014 J: 622515

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Hutchery Creek	1109.200004
Road Point	01		**Legal Description**	06.0N	02.0E 34
Road Name	CB-1000		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 421537	E:4524322			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse with a 24" CMP that is rusted through greater than 25% of the length.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 30" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	823	**Erosion Potential**	High
Delivery Volume	535	**AHCP Priority**	High
Disturbed Surface Area	4937	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	02		**Legal Description**	06.0N	02.0E 25
Road Name	CB-1000		**Annual Plan Year**	2023	
Road Surface	Rock		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 424109	E:4525142			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse with two 36" CMPs that are set at the same height in the fill approximately 1' apart. The culverts are not to grade, they are functioning with no erosional voids in the fill. Both CMPs have rust with large rust holes forming towards the outlets.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 72" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	606	**Erosion Potential**	High
Delivery Volume	424	**AHCP Priority**	High
Disturbed Surface Area	3634	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	04		**Legal Description**	T25 R	25
Road Name	Proposed Temporary		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 424309	E:4524560			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : A proposed temporary road to be constructed crossing a Class III watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	06		**Legal Description**	T19 R 19	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 424946	E:4526370			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	51	**Erosion Potential**	Low
Delivery Volume	36	**AHCP Priority**	NAP
Disturbed Surface Area	309	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	07		**Legal Description**	T19 R 19	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 424969	E:4526360			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 42" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	971	**Erosion Potential**	Low
Delivery Volume	680	**AHCP Priority**	NAP
Disturbed Surface Area	5829	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	08		**Legal Description**	T19 R 19	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 424976	E:4526380			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class III watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	370	**Erosion Potential**	Low
Delivery Volume	259	**AHCP Priority**	NAP
Disturbed Surface Area	2220	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	10		**Legal Description**	T24 R	24
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 424772	E:4526400			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	377	**Erosion Potential**	Low
Delivery Volume	264	**AHCP Priority**	NAP
Disturbed Surface Area	2263	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	11		**Legal Description**	T24 R 24	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 424619	E:4526370			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	439	**Erosion Potential**	Low
Delivery Volume	307	**AHCP Priority**	NAP
Disturbed Surface Area	2631	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	12		**Legal Description**	T24 R 24	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 424610	E:4526390			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	127	**Erosion Potential**	Low
Delivery Volume	89	**AHCP Priority**	NAP
Disturbed Surface Area	763	**Excavated Materials**	

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	13		**Legal Description**	T24 R 24	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 424626	E:4526390			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	154	**Erosion Potential**	Low
Delivery Volume	108	**AHCP Priority**	NAP
Disturbed Surface Area	926	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	14		**Legal Description**	T19 R 19	
Road Name	CB-1000.67R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 425623	E:4526440			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	15		**Legal Description**	T19 R 19	
Road Name	CB-1000.67R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 425661	E:4526430			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	16		**Legal Description**	T19 R 19	
Road Name	CB-1000.71R.05R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 425841	E:4526690			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	57	**Erosion Potential**	Low
Delivery Volume	40	**AHCP Priority**	NAP
Disturbed Surface Area	343	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	17		**Legal Description**	T19 R 19	
Road Name	CB-1000.71R.05R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 425841	E:4526570			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class III watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	137	**Erosion Potential**	Low
Delivery Volume	96	**AHCP Priority**	NAP
Disturbed Surface Area	823	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	17.1		**Legal Description**	T19 R 19	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 425868	E:4526460			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Historic	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class III watercourse. The watercourse crosses an historic truck road that lacks a crossing structure with voids present in the fill. This site is located on a road that requires reconstruction.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	327	**Erosion Potential**	High
Delivery Volume	229	**AHCP Priority**	High
Disturbed Surface Area	1963	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	18		**Legal Description**	T19 R 19	
Road Name	CB-1000.71R.05R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 425857	E:4526310			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed across a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 48" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	19		**Legal Description**	T19 R 19	
Road Name	CB-1000.71R.05R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 425802	E:4526280			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed across a Class III watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	20		**Legal Description**	T19 R 19	
Road Name	CB-1000.71R.05R Spur		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 425614	E:4526230			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Temporary	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed Class II temporary watercourse crossing on a proposed temporary road.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	22		**Legal Description**	T19 R 19	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426240	E:4526320			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A seasonal road to be reconstructed crossing a low gradient, subsurface flowing Class II watercourse at a historic crossing. This earthfill crossing is currently stable.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	23		**Legal Description**	T19 R 19	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426258	E:4526410			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class III watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	24		**Legal Description**	T19 R 19	
Road Name	Proposed		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426045	E:4526330			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site does not qualify as an Imminent Risk of Failure site. A proposed seasonal road to be constructed crossing a Class II watercourse.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	25		**Legal Description**	T19 R 19	
Road Name	CB-1000.79R		**Annual Plan Year**	2023	
Road Surface			**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426165	E:4527630			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class III watercourse crossing that has been removed to FPR and GDRCo AHCP guidelines.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 30" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	26		**Legal Description**	T19 R 19	
Road Name	CB-1000.79R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426223	E:4527580			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II Humboldt crossing that has eroded to grade.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	27		**Legal Description**	T19 R 19	
Road Name	CB-1000.79R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426255	E:4527540			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that was not removed to FPR and GDRCo AHCP guidelines with over-steepened sides.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	28		**Legal Description**	T19 R 19	
Road Name	CB-1000.79R Spur		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426315	E:4527290			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing with a failing fill crossing. The crossing has eroded to grade, but some fill material remains. This crossing is located on a road that requires reconstruction.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	29		**Legal Description**	T19 R 19	
Road Name	CB-1000.79R Spur		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426317	E:4527250			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse with a failing fill crossing. The watercourse flows across the road surface in a channel that is not to grade. There is evidence of subsurface flow and ponding below the crossing.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	31		**Legal Description**	T19 R 19	
Road Name	CB-1000.79R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426498	E:4527320			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing that was not removed to FPR and GDRCo AHCP guidelines. A temporary pipe is present in the fill, but the natural channel has re-established. This crossing is located on a road that requires reconstruction beyond the unstable area at road point 30.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	32		**Legal Description**	T19 R 19	
Road Name	CB-1000.79R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426481	E:4527150			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class III watercourse crossing on an existing seasonal road.

TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	144	**Erosion Potential**	Low
Delivery Volume	101	**AHCP Priority**	NAP
Disturbed Surface Area	866	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/22/2023

GDRCo#	262102		**GDRCo Name**	Dolf Prairie 23	
State THP#	1-22-00194-Hum		**Calwater Watershed**	Pollock Creek	1109.200003
Road Point	33		**Legal Description**	T19 R 19	
Road Name	CB-1000.79R		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Prior to the Winter Period (Oct.16) of the year of use.	
UTM	N : 426466	E:4527010			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	North Fork Mad River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	NO	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This is an access issue and does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing on a proposed reconstructed seasonal road.

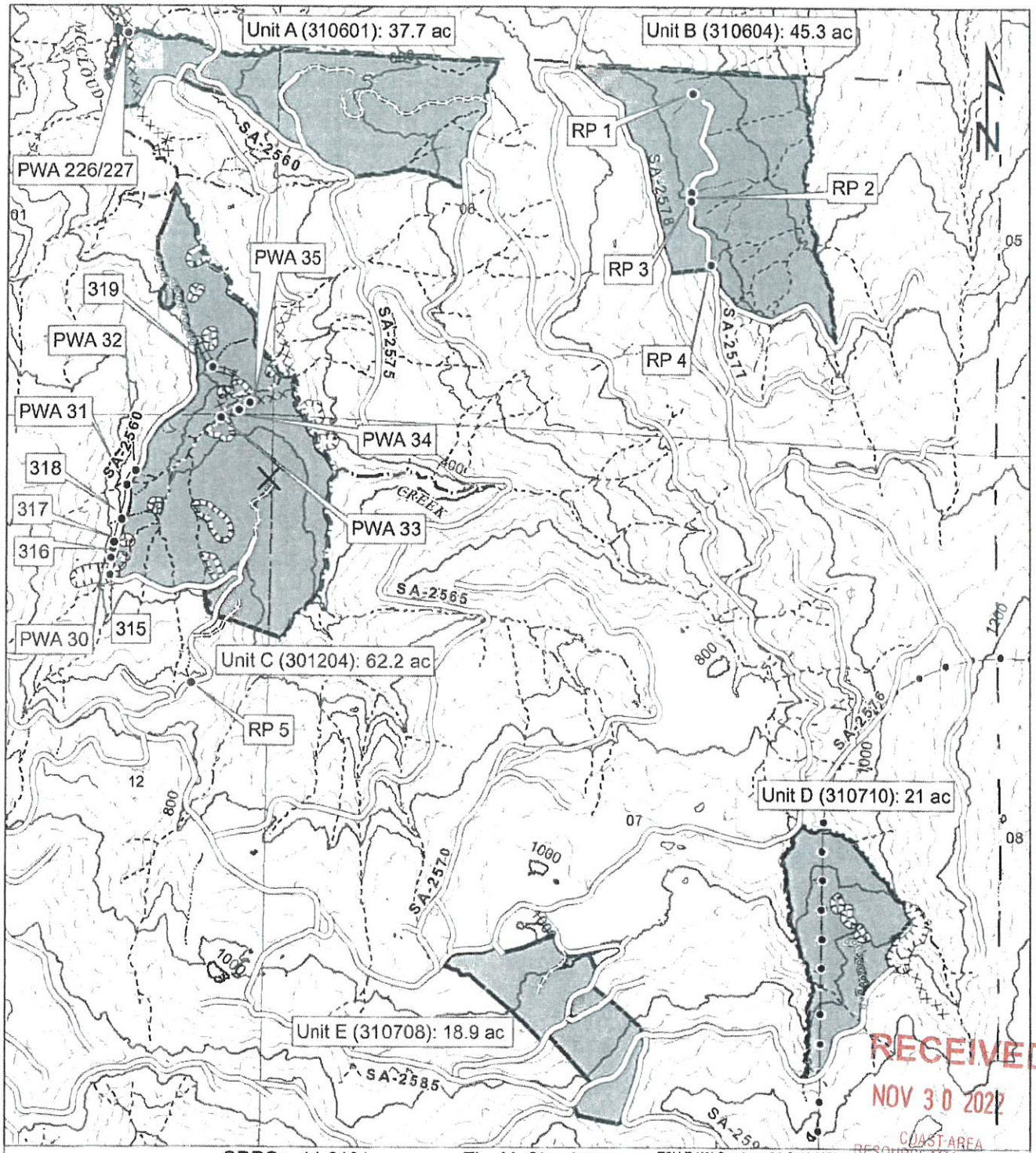
TREATMENT : Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use or Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

TMIS - Culvert Report

SiteId	THP#	RDpts#	Acres	Length (Miles)	lower Elevation	Upper Elevation	Altitude	TC	cfs	C.Diam (inches)	C.Diam,Int (inches)	Method
6265	262102	01	17.43	0.41	1229.9	1957.4	654.75	4.4	15.74	30	26.13	Rational
5979	262102	02	148.7	0	0	0	0	0	139.8	72	64.41	WC
10444759	262102	06	11.2	0.23	1577	2005	385.2	2.77	10.11	24	18.82	Rational
10444760	262102	07	42	0.45	1565	2513	853.2	4.42	37.93	42	38.01	Rational
10444761	262102	08	6.36	0.21	1570	2013	398.7	2.46	5.74	24	10.68	Rational
10444763	262102	10	6.9	0.24	1537	1898	324.9	3.1	6.23	24	11.59	Rational
10444764	262102	11	2.8	0.12	1447	1765	286.2	1.46	2.53	24	4.7	Rational
10444765	262102	12	3.1	0.13	1422	1764	307.8	1.56	2.8	24	5.21	Rational
10444766	262102	13	1.1	0.06	1437	1545	97.2	1	0.99	24	1.85	Rational
10444228	262102	14	1.8	0.15	1435	1765	297	1.87	1.63	24	3.02	Rational
10444223	262102	16	7.55	0.14	1992	2245	227.7	1.91	6.82	24	12.68	Rational
10444221	262102	17	14.1	0.38	2011	2740	656.1	4.02	12.73	24	23.69	Rational
10445410	262102	17.1	1.6	0.07	2032	2246	192.6	0.91	1.44	24	2.69	Rational
10444224	262102	18	53.4	0.5	2120	2961	756.9	5.23	48.22	48	42.09	Rational
10444225	262102	19	13.3	0.32	2185	2727	487.8	3.7	12.01	24	22.34	Rational
10444768	262102	22	3.7	0.15	2504	2769	238.5	2.03	3.34	24	6.22	Rational
10444769	262102	23	6.2	0.21	2421	2770	314.1	2.69	5.6	24	10.42	Rational
10444770	262102	24	3.6	0.2	2390	2739	314.1	2.55	3.25	24	6.05	Rational
10444229	262102	25	16.1	0.46	2154	2949	715.5	4.85	14.54	30	25.23	Rational
10444230	262102	26	9.3	0.48	2344	2945	540.9	5.68	8.4	24	15.62	Rational
10444231	262102	27	9.33	0.22	2193	2484	261.9	3.05	8.42	24	15.67	Rational
10444232	262102	28	0.29	0.04	2340	2409	62.1	0.74	0.26	24	0.49	Rational
10444234	262102	31	7	0.32	2333	2958	562.5	3.5	6.32	24	11.76	Rational
10444237	262102	32	1.6	0.06	2238	2457	197.1	0.76	1.44	24	2.69	Rational
10444235	262102	33	2.7	0.13	2344	2604	234	1.73	2.44	24	4.54	Rational



GREEN DIAMOND RESOURCE COMPANY

GDRCo 14-2101

McWhinney Creek (1979)
Fields Landing (1972)

The McCloud 5

Road Work Map

T3N R1W Sections 01 & 12 HBM
T3N R1E Sections 06 & 07 HBM

Contour interval = 40 ft.

Scale:
1:12,000
1 inch = 1,000 feet

Harvest Units

Road Point

Landing (0.25 < 0.5 ac)

Roads

- Public Road
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Existing Seasonal to be Deactivated
- Proposed Temporary Road (to be deactivated)
- XXXXXX Historical Road (not proposed for use)

Watercourse

- Class I
- Class II
- Class III
- Unclassified Swale
- GDRCo Ownership
- MAMU (1/4 mi)

INTERNAL USE ONLY

Unit A: 310601	Unit D: 310710
Unit B: 310604	Unit E: 310708
Unit C: 301204	

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	142101		**GDRCo Name**	The McCloud 5	
State THP#	1-22-00173-Hum		**Calwater Watershed**	Lower S. Fork Elk River	1110.000302
Road Point	PWA_31		**Legal Description**	03.0N 01.0W	12
Road Name	SA-2560		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 404889	E:4501972			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Humboldt Bay		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse crossing that is blown out to grade with vertical sides. The watercourse crossing has two closely adjacent TOPs. Access to this site is blocked by an unstable feature (PWA 30) as well as additional year of use sites, this site has remained unchanged since original assessment in 2012.

TREATMENT : Excavate between the flagged TOP1 and TOP2 and the BOT removing sediment, debris, and buried logs. Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

Excavated Volume	361	**Erosion Potential**	Medium
Delivery Volume	253	**AHCP Priority**	Medium
Disturbed Surface Area	2169	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : THP Road Work Order

Date Print : 2/23/2023

GDRCo#	142101		**GDRCo Name**	The McCloud 5	
State THP#	1-22-00173-Hum		**Calwater Watershed**	Lower S. Fork Elk River	1110.000302
Road Point	PWA_32		**Legal Description**	03.0N 01.0W	12
Road Name	SA-2560		**Annual Plan Year**	2023	
Road Surface	Native		**Work Timing**	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.	
UTM	N : 404908	E:4502001			
Work Type	THP		**Wildlife Restrictions**	NO	
Hydrologic Planning Area	Humboldt Bay		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**ECP Req?**	YES	
Fees Payed From Previous AWP	NO		**1600 Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A failing Class III watercourse crossing with 40% of the fill material remaining. Access to this site is blocked by an unstable feature (PWA 30) as well as additional year of use sites, this site has remained unchanged since original assessment in 2012.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a temporary watercourse crossing to FPR and GDRCo AHCP guidelines as described in Section II of this THP and remove prior to the Winter Period of the year of use.

Excavated Volume	134	**Erosion Potential**	High
Delivery Volume	94	**AHCP Priority**	High
Disturbed Surface Area	938	**Excavated Materials**	Soil,Gravel,Rock and Wood

AMENDMENT NO 3 (Major)

Green Diamond Resource Company
P.O. Box 245
Orick, CA 95555

Santa Rosa Review Team
California Department of Forestry and Fire Protection
135 Ridgway Ave.
Santa Rosa, CA 95401

05/11/22

Re: THP 1-21-00189 DEL (GDRCo # 71-2103), Major Amendment

The purpose of this letter is to report a substantial deviation in THP 1-21-00189 DEL. The plan submitter wishes to amend in approximately 1,300 feet of permanent road and the decommissioning of approximately 1200 feet of permanent road. The purpose of the amendment is a cooperative effort between Green Diamond Resource Company and the Yurok Tribe to relocate the existing mainline H10 haul road upslope and out of the existing floodplain. The new road alignment will entail the crossing of two class three watercourses. (Please see attached addition to the Road Work Order and revised Road Work Map, pages 55 and 58). The THP has been revised to address Section II, item 24 (a) and (e) as will as the new inclusion of road decommissioning standards. This amendment shall be subject to all requirements included in Section II of the THP. Please see revised pages 47, 53, 55 and new page 53.1.

The proposed road realignment was surveyed for archaeological resources, and none were discovered.

A botanical survey will be conducted prior to the start of operations associated with this amendment. If any plant mitigations are required, they will be amended into the THP prior to the start of operations. If no rare, threatened, or endangered plants are discovered a letter to the file will be submitted to CalFire. These surveys will be conducted in accordance with the "Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities" (CDFW 2018).

Even though this amendment is substantial in scope there will be an overall positive net environmental impact by relocating the existing H10 haul road out of the flood plain, an area subject to flooding which may impart sediment inputs into the Class I during large storm events.

RECEIVED
MAY 13 2022
COAST AREA OFFICE
RESOURCE MANAGEMENT

If you have any concerns or questions regarding this amendment, please feel free to contact me at any time. Thank you for your attention in this matter.

Robert W. Hurst
RPF # 2762
707-668-3758

ITEM # 24 – ROADS AND LANDINGS

ITEM #24	ROAD CONSTRUCTION
a. [X]Yes [☐] No	**Will any road(s) be CONSTRUCTED?**
	PROVIDE: The classification and approximate length of each of the following logging road segment categories: 1034(o) Road classification: Approximate length Feet: ☐ Permanent **1,305** ☒ Seasonal **4,775** ☒ Temporary **785**
b. [☐]Yes [X] No	Will new road construction be wider than single lane with turnouts? **If YES, address pursuant to 14 CCR 923 [943, 963](c) & 923.2 [943.2, 963.2](d)(1)**
c.[☐]Yes [X] No	Will any new Logging road(s) cross? ☐ Unstable areas ☐ Connected headwall swales (14 CCR 895.1 "Connected Headwall Swale") ☐ Both **If YES, address pursuant to 14 CCR 923.1 [943.1, 963.1](d)**
d. [☐]Yes [X] No	Will any new roads? ☐ Exceed a grade of 20% ☐ have grades greater than 15% that extend greater than 500 continuous feet ☐ Both NOTE: per 14 CCR 1034(x)(5)(A) new road construction or reconstruction segments exceeding 15% for 200 feet shall be mapped. **If YES, address pursuant to 14 CCR 923.2 [943.2, 963.2](d)(2). See 923 [943. 963] (c).**
e. [X]Yes [☐] No	Will any logging roads be constructed within? ☒ 150 feet of a Class I Watercourse and Lake Transition Line (WLTL) ☐ 100 feet of a class II WLTL on slopes greater than 30% ☐ Class I Watercourse or Lake ☐ Class II Watercourse or Lake ☐ Class III Watercourse or Lake ☐ Class IV Watercourse or Lake ☐ A Watercourse and Lake Production Zone (WLPZ) ☐ Other (Examples; marshes, wet meadows, wet areas) If "OTHER" is selected describe the type of feature referenced below. NOTE: Exceptions are permitted per 14 CCR 923.1 [943.1, 963.1](b)(1) – (3) at: - Existing logging road watercourse crossing(s) - Logging road watercourse crossing(s) to be constructed or reconstructed that are approved as part of a Fish and Game Code process (F&GC 1600 et seq.) - Logging road watercourse crossings of class III watercourses that are dry at the time of use. **If YES, address per 14 CCR 923 [943, 963](c)**
f. [☐]Yes [X] No	Will any constructed road be located across 100 feet or more lineal distance on? ☐ Slopes over 65% ☐ Slopes over 50% which are within 100 feet of the boundary of a WLPZ that drains toward the zoned watercourse or lake **If YES, address per 14 CCR 923.2 [943.2, 963.2](a)(7) and 923.4 [943.4, 963.4](n)**

2. Inadequate traction without blading wet soil; or
3. Soil displacement in amounts that cause a visible increase in turbidity in any ditch or road surface that drains into a Class I, II, III or IV watercourse; except that construction may occur on isolated wet spots arising from localized groundwater such as seeps or springs. AHCP 6.2.3.5.23 & 6.2.3.7.3

Road Daylighting:

No road daylighting is proposed for this THP at this time.

Road Daylighting AHCP 6.2.3.9.7

1. *Green Diamond will perform road daylighting (removal of trees within 25 feet slope distance of the shoulder or cut bank of a road) to accelerate drying of roads and provide stable road surfaces for log hauling or other vehicular traffic.*
   Within WLPZ (RMZs) for Class I and II watercourses, no trees will be cut that could cause channel de-stabilization. No trees larger than 16 inches dbh will be cut from the downstream side of Class I watercourse crossings.
2. *Green Diamond will evaluate daylighting within WLPZ (RMZs) on a site-specific basis to determine where it will be necessary in order to accelerate drying of the road and provide a stable road surface.*

24(g) and (s) - Road Deactivation and Abandonment Plan:

[X]Yes [☐] No Does this plan include abandonment or deactivation of roads and/or landings?

This plan proposes to permanently abandon 725 feet of temporary road that will no longer be used as part of the permanent road network. Refer to the detailed THP maps for the location of temporary and abandoned roads.

As per 14 CCR 923.8: Road and landing abandonment and deactivation shall include the following measures:

(a) All abandoned and deactivated logging roads and landings shall be left in a condition that provides for long-term, maintenance-free function of drainage and erosion controls.

(b) Soil exposed by abandonment or deactivation operations shall be removed or stabilized as needed to minimize soil erosion and sediment transport.

(c) Logging road watercourse crossings, other drainage structures, and associated fills shall be removed and stabilized in accordance with 14 CCR § 923.9 subsections (p)(1)-(4). (See watercourse removal standards in Section II Item 26).

(d) Logging roads to be abandoned shall be blocked upon completion of timber operations as specified in an approved winter period operating plan pursuant to 14 CCR § 914.7(b), so that standard production four wheel drive highway vehicles cannot pass the point of closure at the time of abandonment. If the logging road is to be abandoned, then the blockage design shall be described in the plan.

- **Blocking will be done with the use of high dirt berms and/or ditches, or other obstacles including but not limited to such things as logs, downed trees, root wads/stumps, boulders, or slash, or a combination of these methods.**

Site Specific Measures for THP items 24 (a) – (v):

24(e)

Approximately 1,305 feet of permanent road construction is proposed in this THP. Most of this road is within 150 feet of Hunter Creek, a Class I watercourse. The road to be constructed will be rocked at least 12-inches in depth to a permanent road standard and two new permanent drainage structures will be added. (Please refer to Road Work Order). The intent of the proposed road construction is to re-route the main H-10 haul road out of the active floodplain of Hunter Creek floods annually during high flow events. The relocation of this road upslope will provide greater protection to the riparian zone than what is currently being provided and will eliminate sediment inputs from the existing road caused by flood events. The existing road will be decommissioned to the following AHCP standards indicated in the following discussion on road decommissioning.

[X]Yes [☐] No **Does this plan include decommissioning of seasonal or permanent roads as defined in GDRCo's AHCP?**

AHCP Road Decommissioning Standards ***(AHCP 6.2.3.3)***

Time of Year Restrictions

1. ***Green Diamond will not carry out road decommissioning during the winter operating period (October 16th through May 14th), except that road decommissioning may occur from October 15th through November 15th if "unseasonably dry fall" occurs (less than four inches of cumulative rainfall from September 1st through October 15th) and the following occurs: a. Each project site is completed that operational day with erosion control measures installed; or b. If a site requires multiple days for completion, a long-range forecast of no rain for the next five days has been issued.***
2. ***Sites that require multiple days for completion will not be started during the winter period unless there is an emergency situation. A situation is an 'emergency' for the purpose of this section if the elements of Section 6.2.3.11 are satisfied. AHCP 6.2.3.3.1.***

Road-related Unstable Areas

1. ***Green Diamond will pull back unstable or potentially unstable road or landing fill identified during the road assessment process and deposit spoil in a stable location.***
2. ***Appropriate erosion control measures such as seeding and mulching will be utilized to prevent surface erosion at excavated unstable areas. AHCP 6.2.3.3.3***

Road Surface Runoff

1. ***Green Diamond will establish maintenance-free surface drainage for temporarily and permanently decommissioned roads that are hydrologically disconnected from watercourses.***
2. ***Inside ditches and springs and seeps will be properly drained with deep cross-drain ditches. Discharge from the ditches will not be directed onto unstable areas.***
3. ***Localized outsloping will be utilized as necessary to adequately drain the road surface.***
4. ***Permanently decommissioned roads will be ripped and planted with commercial tree species where appropriate to reestablish timber production. AHCP 6.2.3.3.4***

24(v) Significant Existing or Potential Erosion Sites: During plan layout, the RPF or supervised designee conducted an inspection of the logging roads, landings and watercourse crossings in the logging area, including appurtenant roads. Significant existing and potential erosion sites identified during the inspections have been documented and recommendations for their repair are provided in the attached road work table. *(AHCP 6.2.3.9.5 #1) The* timing for the work as described in the road work table provides a logical order of treatment for these sites. The timing of this work is prioritized under the guidelines presented in the AHCP and programmatic agreements with CDFW and the NCRWQCB. If any of the identified sites prioritized as "Watch List" or "Monitor" develop into an "Imminent Risk of Failure" condition, repair work will be carried out as soon as conditions and seasonal restrictions allow.

Monitoring for Logging Roads and Watercourse Crossings:
Monitoring for logging roads pursuant to 14CCR 923.7(k) and for watercourse crossings pursuant to 923.9(u) is addressed through implementation of the RMWDR. As allowed under 923.7(k)(2) and 923.9(u)(2), inspections conducted pursuant to California Regional Water Quality Control Board requirements may be used to satisfy the inspection requirements of this section.

Watercourse crossing locations and culvert sizes:
As per 923.9(e) the location of all new permanent and temporary logging road watercourse crossings, including crossings to be abandoned and deactivated are shown on the Road Work Map in Section II, Item 24. Minimum culvert diameters are stated in the Road Work Order. The methods used for determining minimum culvert diameters are as follows. For drainage areas less than or equal to 80 acres the Rational Method was used. For drainage areas >80 acres the USGS Magnitude and Frequency Method was used. As per 923.9(f) Permanent water course crossings that are constructed or reconstructed shall accommodate the estimated 100 year flood, including debris and sediment loads.

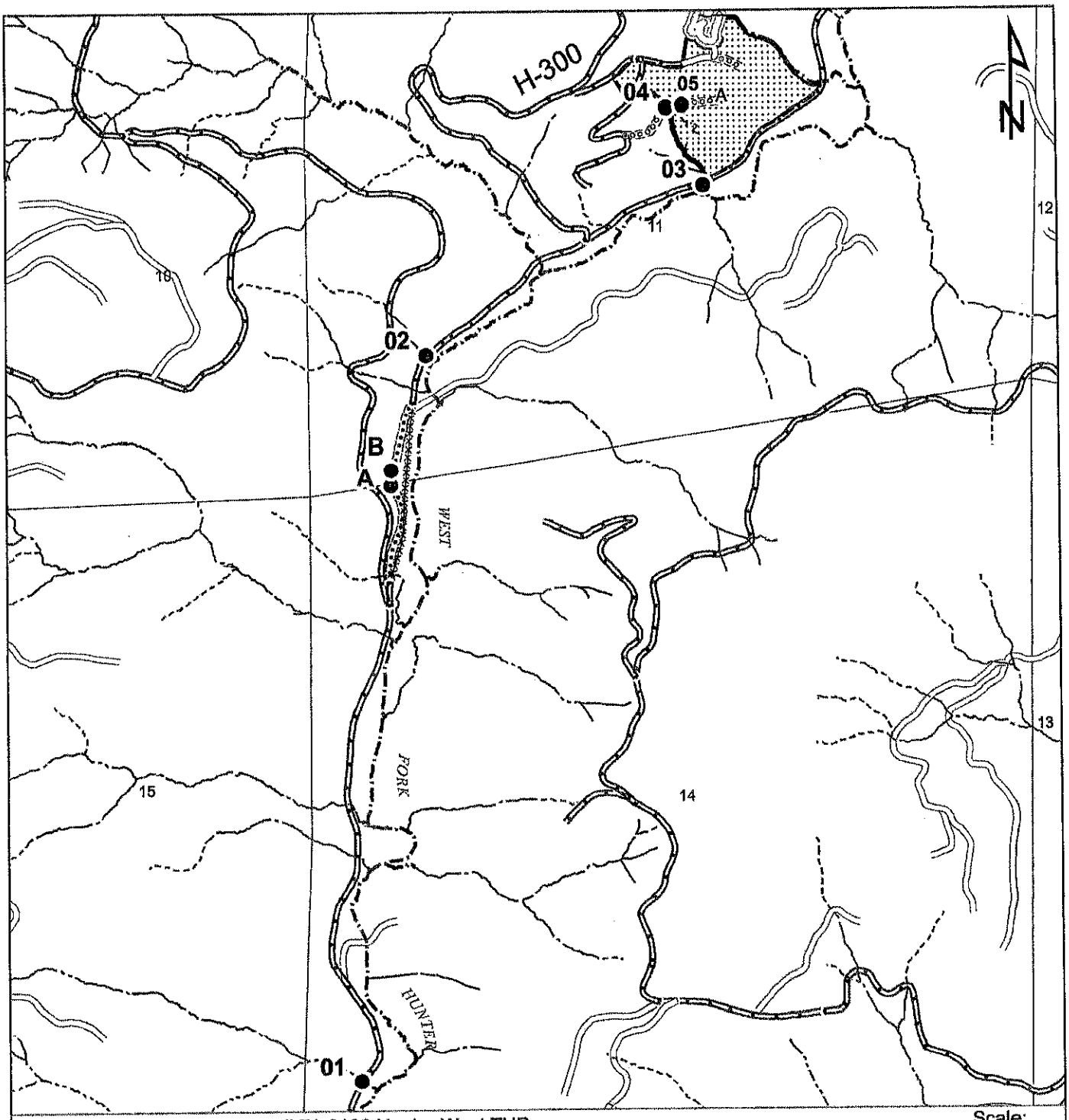
GREEN DIAMOND RESOURCE COMPANY

THP - Road Work Order

GDRCO # : 712103
THP Name : Hunter West
Date Print : 5/11/2022

Road Point	Road Name	Road Classification	Mitigation Planned?	Programmatic Permit?		Timing of Work And/Or Mitigation of Operation Completion
				MATO	WDR	
A	Proposed	Permanent	NO	YES	NO	Prior to the Winter Period (Oct.16) of the year of use.
Current Condition: A proposed permanent road to be constructed crossing a Class III swale.						Required Work : Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Road Point	Road Name	Road Classification	Mitigation Planned?	Programmatic Permit?		Timing of Work And/Or Mitigation of Operation Completion
				MATO	WDR	
B	Proposed	Permanent	NO	YES	NO	Prior to the Winter Period (Oct.16) of the year of use.
Current Condition: A proposed permanent road to be constructed crossing a Class III swale.						Required Work : Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.



GREEN DIAMOND RESOURCE COMPANY

GDRCo # 71-2103 Hunter West THP
USGS Childs Hills, CA 1966
USGS Requa, CA 1966

Roadwork Points Map 1 of 2
T15 N, R01 E, HBM | T14N, R01 E, HBM

Scale:
1:12,000
1 inch = 1,000 feet

Roadwork Point

Plan Area

GDRCo Ownership

Harvest Unit Boundary

Roads

Existing Permanent Road

Existing Seasonal Road

Proposed Seasonal Road

Proposed Permanent Road

Proposed Temporary Road (To be abandoned)

Permanent Road (To be decommissioned)

Watercourse

Class I

Class II (II-1, II-2)

Class III (IIIA, IIIB)

INTERNAL USE ONLY

A - 1411125
B - 1411132
C - 1410127

From:	Hurst, Robert
To:	Santa Rosa Review Team@CALFIRE
Cc:	Rodgers, Brandon@CALFIRE
Subject:	Major 1-21-00189 DEL
Date:	Friday, May 13, 2022 7:41:19 AM
Attachments:	Major 1-21-00189 DEL.pdf

Warning: this message is from an external user and should be treated with caution.

To whom it may concern. Attached is a major amendment request for THP 1-21-00189 DEL to realign an existing haul road out of a flood plain. If you have any questions, please do not hesitate to contact me. Thank you.

Robert W. Hurst
Registered Professional Forester # 2762
Green Diamond Resource Company, Klamath Division
707-668-3758

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
NORTHERN REGION HEADQUARTERS - SANTA ROSA
135 Ridgway Avenue
Santa Rosa, CA, 95401
(707) 576-2959
Website: www.fire.ca.gov

February 17, 2023

Robert Hurst
P O BOX 245
ORICK, CA 95555

Timber Harvest Plan
No: 1-21-00189-DEL
Amd: 1-21-00189-DEL-DEV3
Hunter West - GDRCo #71-2103

Letter of Conformance

The Director of the Department of Forestry and Fire Protection (CAL FIRE) finds that the above referenced Timber Harvest Plan (THP) Substantial Deviation (Major Amendment) conforms with the Rules and Regulations of the Board of Forestry and Fire Protection pursuant to the provisions of the Z'Berg-Nejedly Forest Practice Act of 1973. This Substantial Deviation is now considered part of the THP.

Final compliance with all provisions of the Forest Practice Act and Rules will be determined by future inspections.

Sincerely,

Eric Hedge, RPF 3010
Forester III
Forest Practice Manager, Coast Region

cc: UNIT, FILE, TO/TLO/PS
To view Harvesting Documents, please visit https://caltreesplans.resources.ca.gov/caltrees/

Robert W. Hurst, Forester
PO Box 245
Orick, Ca 95555
(707) 668-3758
January 18, 2023

California Dept. of Forestry and Fire
135 Ridgway Ave.
Santa Rosa, CA 95401

Dear First Review Chairperson:

Responses to PHI Questions for 1-21-00189-DEL-DEV3
(GDRCO #71-2103) Hunter West

CALFIRE PHI Recommendation 1: The RPF shall send the originals of the responses to the first review team questions and the PHI recommendations directly to the CALFIRE Resource Management office in Santa Rosa -email is SantaRosaReviewTeam@fire.ca.gov. To assist in scheduling the second review team meeting, a copy of the responses shall be provided to the CALFIRE Resource Management office in Fortuna by email HUUSecondReview@fire.ca.gov.

Response: Agreed.

CALFIRE PHI Recommendation 2: Prior to Second Review, the RPF shall map the unstable area identified by CGS as required by 14 CCR 1034 (x)(10) and make any necessary changes to the map to comply with 14 CCR 1034 (x)(5)(c) and 1034(x)(15).

Response: Please see revised Roadwork Points Map 1 of 2, page 58.

CALFIRE PHI Recommendation 3: Prior to Second Review, the RPF shall explain and justify road construction through an unstable area to comply with 14 CCR 923.1(d) and 923.4(d)and explain how the proposed practice complies with 14 CCR 921.3 (a)(5)

Response: Agreed. Please see revised Section II, item 18, Geology and Unstable Areas, revised pages 27-28, Section II, item 24 c., revised page 47, Section II, item 24 e., revised pages 48 – 55.1, Section III item 24, c & e., page 114, new page 114.1, and complete geology report provided in Section V, new pages 278.1 – 278.23.

CALFIRE PHI Recommendation 4: Prior to Second Review, the RPF shall revise Roadwork Order to provide detailed instructions to the LTO for road construction within the unstable area to minimize potential impacts to the unstable area and adjacent watercourse to comply with 923.2 (a)(2).

Response: Agreed. Please see revised Road Work Order, page 57, and new pages 57.1 - 57.2. Also refer to revised Road Work Point Map 1 of 2, page 58.

Robert W. Hurst

RPF 2762

In addition to Forest Practice Rules related to soil stabilization and erosion control, Green Diamond's road maintenance and inspection program, discussed in Section V of the THP, will be implemented on this THP area and on Green Diamond's property within the watershed assessment area.

Geology and Unstable Areas:

Landslides exist within the THP area associated with harvest units A and C. The following prescription shall apply. All landslides have been placed within the default prescription for shallow-rapid landslides. No harvesting shall occur on the body of the landslides and 70% canopy overstory shall be maintained within the buffers. The landslide buffer extends 25 feet from the margins of the landslide and 50 feet from the head. The special treatment zone has been delineated in the field with "Geology" and "Special Treatment Zone" flagging. Trees to be harvested have been marked with a blue stripe at breast height and a blue mark at the base of the tree. An additional inactive landslide exists along the H-10 road associated with a road rerouting project being conducted in cooperation with the Yurok tribe. No special treatments are being proposed for this area. For further information please refer to Section II and III, item 24, c. and e. and complete geology report included in Section V.

ITEM #19 – 22: GROUND BASED EQUIPMENT

GROUND BASED EQUIPMENT	
a. [☐]Yes [**X**] No	Per 14 CCR 895.1 a layout is a prepared bed in which a tree is felled, generally constructed by a tractor or other ground based equipment. Are tractor or skidder constructed layouts to be constructed? **If YES, specify the location (consider mapping) and the extent of use.** **NOTE: winter operations and soil stabilization measures apply to tractor or skidder constructed layouts.**
Per 14 CCR 914.3 [943.3, 954.3](e)Tractors shall not be used in areas designated for cable yarding except: • To pull trees away from streams • To yard logs in areas where deflection is low • Where swing yarding is advantageous • To construct firebreaks and/or layouts • To provide tail-holds Such exception(s) shall be explained and justified in the THP, and require Director's approved	
b. [**X**]Yes [☐] No	Will ground based equipment be used within area(s) designated for cable yarding: (CHECK all that apply)
[☐]	Pulling trees away from watercourses
[☐]	Yarding logs from areas with low deflection
[☐]	Swing yarding
[☐]	Construct fire breaks
[☐]	Construct layouts
[☐]	Providing tail-holds
[**X**]	Other Describe: **Effective January 1, 2021 the FPRs were revised so that ground-based operations in cable yarding areas are no longer addressed by 14 CCR 914.3(e) as provided above. Ground based operations in cable yarding areas are now addressed by 14 CCR 914.2(f)(5) which states:** ***Non-Tethered Tractor Operations, excluding Yarding, may occur in areas designated for Cable Yarding on slopes up to 50%. Tethered Operations, excluding Yarding, may occur in areas designated for Cable Yarding. The limitations of 14 CCR § 914.2(a), (b), (c), (d), (e), (f)(2), (g), (h), and (i), and any other applicable limitations on Tractor Operations throughout this Chapter, by District, apply.***
	If YES, specify the location (consider mapping) and provide LTO instructions: **The LTO may conduct ground-based operations in the ground based and ground based – cable option areas designated on the THP maps subject to all other limitations in the THP.**

	As per the rule cited above, in the Cable Yarding areas designated on the THP maps: • **The LTO may conduct non-tethered ground-based operations other than yarding on slopes up to 50% subject to all other limitations in the THP.** • **The LTO may conduct tethered operations other than yarding subject to all other limitations in the THP.** **These are standard practices as per 14 CCR 914.3(e), no explanation or justification is required.** **Ground based operations on steep slopes are addressed below in THP Item 19-22 i, j and k.**
c. [☐]Yes [**X**] No	Are any exceptions proposed for ground-based operations within cable areas outside of the exceptions listed above? **If YES, provide the required explanation and justification in SECTION III of the THP and provide operations instructions for the LTO in SECTION II below.**

Per 14 CCR § 914.9 [934.9, 954.9](a) Alternatives to Standard Rules:

(a) Alternative practices may be developed by the RPF on a site-specific basis provided the following conditions are complied with and the alternative practices will achieve environmental protection at least equal to that which would result from using measures stated in 14 CCR §§ 914.1-914.8 ,934.1-934.8, 954.1-954.8.

(1) Environmental impacts with potential for significant adverse effects on the beneficial uses of water, on the residual timber, and on the soil productivity are identified and measures proposed to mitigate such impacts are included in an approved THP. The THP shall also contain a clear statement as to why alternative harvesting and erosion control measures are needed.

(2) The alternative practice(s) must be explained in sufficient detail and standards provided in the THP so that they can be adequately evaluated and enforced by the Director and implemented by the licensed timber operator.

(3) On a THP in which alternatives covering harvesting and erosion control measures have been incorporated, the timber operator shall agree to the alternative specifications by signing and filing with the Director a copy of the plan, the amended plan or a facsimile thereof, prior to beginning or continuing operations on the portion of the plan to which the alternatives apply.

(b) The Director shall not accept for inclusion in a THP alternative harvesting and erosion control measures proposed under this section which do not meet the standard of subsection (a) of this section. In the event that there is more than one written negative position showing that the alternative practice(s) does (do) not meet the standard of subsection (a) received from among the agencies listed in 14 CCR 1037.3 and the Department which participated in the review of the plan including on-the-ground inspection, the Director shall reject the proposed alternative.

(c) Alternative practices stated in an approved THP shall have the same force and authority as those practices required by the standard rule.

d. [☐]Yes [**X**] No	Is the RPF proposing any Alternative Practices to the standard rule on a site-specific basis? **If "YES" provide clear instruction to the LTO in Section II advising LTO how the Alternative is to be implemented to maintain equal protection of the standard rule. In Section III explain how the alternative practice proposed achieves environmental protection at least equal to that what which would result from using measures stated in 14 CCR §§ 914.1-914.8 ,934.1-934.8, 954.1-954.8.**

LTO Instructions:

14 CCR 914.2 [934.2, 954.2](a-k) Identifies the Forest Practice Rule requirements for the use of ground based equipment within the harvesting area.

- (b) Tractor, or other heavy equipment equipped with a blade, SHALL NOT operate on skid roads or slopes that are so step as to require the blade to be used for breaking.
- (c) Tractor roads SHALL be limited in number and width to the minimum necessary for removal of logs.
  - When less damage to the resources specified in 14 CCR 914[934, 945] will result, existing tractor roads shall be used instead of constructing new tractor roads.
  - [NORTHERN only] RPF may propose exceptions for silvicultural reasons when explained and justified within the plan.
- (e) Slash and debris from timber operations SHALL not be bunched adjacent to residual trees required for silvicultural or wildlife purposes or placed in a location where they could discharge into a Class I or II watercourse, or Lake.
- (g) where tractor roads are constructed only those roads shall be used for the skidding of logs to landings
- (h) Desirable residual trees and seedlings will not be damaged or destroyed by tractor operations.
- (i) where water breaks cannot effectively disperse surface runoff, other erosion controls shall be installed as needed.
- Slope restriction are identified in subsection (d), (f) [Coastal, Northern], (j) [Southern]

The LTO shall be aware of these rule requirements prior to operations

ITEM # 24 – ROADS AND LANDINGS

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	PROVIDE: The classification and approximate length of each of the following logging road segment categories: 1034(o) Road classification: Approximate length Feet: ☒ Permanent **1,305** ☒ Seasonal **4,775** ☒ Temporary **785**
b. [☐]Yes [X] No	Will new road construction be wider than single lane with turnouts? **If YES, address pursuant to 14 CCR 923 [943, 963](c) & 923.2 [943.2, 963.2](d)(1)**
c.[X]Yes [☐] No	Will any new Logging road(s) cross? ☒ Unstable areas ☐ Connected headwall swales (14 CCR 895.1 "Connected Headwall Swale") ☐ Both **If YES, address pursuant to 14 CCR 923.1 [943.1, 963.1](d)** **A road rerouting project for the H-10 permanent haul road is being conducted in coordination with the Yurok Tribe. The rerouting of the road crosses an inactive landslide. It is unlikely that rerouting of this road will have any negative impacts to this feature. The new road alignment crosses the toe of the inactive slide on slopes less than 20%. The new road will have an overall positive impact on the environment by rerouting the existing road out of a flood plain, enhancing fish habitat by reducing flooding and sediment inputs thus improving overall water quality. Please see revised Road Work Order page 57 and 57.1 – 57.2, Roadwork Points Map 1 of 2, page 58 and Section III, item 24 c. For further explanation and justification and see complete geology report provided in Section V, pages 278.1 – 278.23.**
d. [☐]Yes [X] No	Will any new roads? ☐ Exceed a grade of 20% ☐ have grades greater than 15% that extend greater than 500 continuous feet ☐ Both NOTE: per 14 CCR 1034(x)(5)(A) new road construction or reconstruction segments exceeding 15% for 200 feet shall be mapped. **If YES, address pursuant to 14 CCR 923.2 [943.2, 963.2](d)(2). See 923 [943. 963] (c).**
e. [X]Yes [☐] No	Will any logging roads be constructed within? ☒ 150 feet of a Class I Watercourse and Lake Transition Line (WLTL) ☐ 100 feet of a class II WLTL on slopes greater than 30% ☐ Class I Watercourse or Lake ☐ Class II Watercourse or Lake ☐ Class III Watercourse or Lake ☐ Class IV Watercourse or Lake ☐ A Watercourse and Lake Production Zone (WLPZ) ☐ Other (Examples; marshes, wet meadows, wet areas) If "OTHER" is selected describe the type of feature referenced below. NOTE: Exceptions are permitted per 14 CCR 923.1 [943.1, 963.1](b)(1) – (3) at: - Existing logging road watercourse crossing(s) - Logging road watercourse crossing(s) to be constructed or reconstructed that are approved as part of a Fish and Game Code process (F&GC 1600 et seq.) - Logging road watercourse crossings of class III watercourses that are dry at the time of use. **If YES, address per 14 CCR 923 [943, 963](c)**

	The road rerouting project being conducted in cooperation with the Yurok Tribe as discussed in item 24 c. above has segments that are within 150 feet of the Class I watercourse, Watercourse and Lake Transition Line (WLTL). However, the rerouting of the road extends this distance and will be a net positive to the environment by moving the existing road out of the floodplain reducing sediment inputs, enhancing fish habitat, and improving water quality. Please see revised Road Work Order, page 57 and 57.1-57.2, Roadwork Points Map 1 of 2, page 58, Section III, item 24 e. For further explanation and justification and the complete geology report provided in Section V , pages
f. [☐]Yes [**X**] No	Will any constructed road be located across 100 feet or more lineal distance on? ☐ Slopes over 65% ☐ Slopes over 50% which are within 100 feet of the boundary of a WLPZ that drains toward the zoned watercourse or lake **If YES, address per 14 CCR 923.2 [943.2, 963.2](a)(7) and 923.4 [943.4, 963.4](n)**
g. 1.[☐]Yes [**X**] No **2.**[**X**]Yes [☐] No	Will any road(s) be deactivated? Will any road(s) be abandoned? Road classification: Approximate length Feet: ☐ Permanent _____ ☐ Seasonal _____ ☒ Temporary **Approximately 785 feet of proposed temporary road will be abandoned.**
3.[☐]Yes [**X**] No **4.**[**X**]Yes [☐] No	Will any watercourse crossing(s) be deactivated? Will any watercourse crossing(s) be abandoned? **If YES, describe specific measures to prevent significant sediment discharge per 14 CCR 923.8 [943.8, 963.8] et seq. and 923.9 [943.9, 963.9](e) and (p)** **If Logging road(s) are to be abandoned provide the blockage design Per 14 CCR 923.8 [943.8, 963.8](d)** **Refer to THP Item 25 for road abandonment or deactivation specifications and THP Item 24(g) for road blockage specifications.**
h. [☐]Yes [**X**] No	Is there any exception to flagging or otherwise identifying the location of any road(s) to be constructed? **If YES, address per 14 CCR 923.3 [943.3, 963.3](c)**

ROAD RECONSTRUCTION	
i. [☐]Yes [**X**] No	**Will any roads be RECONSTRUCTED?**
	PROVIDE: The classification and approximate length of each of the following logging road segment categories: 1034(o) Road classification: Approximate length Feet: ☐ Permanent _____ ☐ Seasonal ☐ Temporary _____
j. [☐]Yes [**X**] No	Will new road reconstruction be wider than single lane with turnouts? **If YES, address pursuant to 14 CCR 923 [943, 963](c) & 923.2 [943.2, 963.2](d)(1)**
k. [☐]Yes [**X**] No	Will any logging roads be reconstructed within? ☐ Class I Watercourse or Lake ☐ Class II Watercourse or Lake ☐ Class III Watercourse or Lake ☐ Class IV Watercourse or Lake

	☐ A Watercourse and Lake Zone (WLPZ) ☐ Other (Examples; marshes, wet meadows, wet areas) If "OTHER" is selected describe the type of feature referenced below. NOTE: Exceptions are permitted per 14 CCR 923.1 [943.1, 963.1](b)(1) – (3) at: - Existing logging road crossing(s) - Logging road watercourse crossing(s) to be constructed or reconstructed that are approved as part of a Fish and Game Code process (F&GC 1600 et seq.) - Logging road watercourse crossings of class III watercourses that are dry at the time of use. **If YES, address per 14 CCR 923 [943, 963](c)**
l. [☐]Yes [**X**] No	Will any reconstructed road be located across 100 feet or more lineal distance on? ☐ slopes over 65% ☐ Slopes over 50% which are within 100 feet of the boundary of a WLPZ that drains toward the zoned watercourse or lake. **If YES, address per 14 CCR 923.2 [943.2, 963.2](a)(7) and 923.4 [943.4, 963.4](n)**
m. [☐]Yes [**X**] No	Is there any exception to flagging or otherwise identifying the location of any road(s) to be reconstructed? **If YES, address per 14 CCR 923.3 [943.3, 963.3](c)**
	LANDING CONSTRUCTION
n. [**X**]Yes [☐] No	**Will any Landing(s) be CONSTRUCTED?**
o. [☐]Yes [**X**] No	Will any landing(s) be constructed within? ☐ 150 feet of a Class I Watercourse and Lake Transition Line (WLTL) ☐ 100 feet of a class II WLTL on slopes greater than 30% ☐ Class I Watercourse or Lake ☐ Class II Watercourse or Lake ☐ Class III Watercourse or Lake ☐ Class IV Watercourse or Lake ☐ A Watercourse and Lake Protection Zone (WLPZ) ☐ Other (Examples; marshes, wet meadows, wet areas) If "OTHER" is selected describe the type of feature referenced below. NOTE: Exceptions are permitted per 14 CCR 923.1 [943.1, 963.1](b)(1) – (3) at: - Existing logging road crossing(s) - Logging road watercourse crossing(s) to be constructed or reconstructed that are approved as part of a Fish and Game Code process (F&GC 1600 et seq.) - Logging road watercourse crossings of class III watercourses that are dry at the time of use. **If YES, address per 14 CCR 923 [943, 963](c)**
p. [☐]Yes [**X**] No	Will any landing(s) exceed one half acre in size? NOTE: per 14 CCR 1034(x)(5)(D) if any landing exceeds ¼ acre in size or requires substantial excavation, the location shall be mapped. **If YES, address per 14 CCR 923 [943, 963](c) and 923.2 [943.2, 963.2](e)(2)**
q. [☐]Yes [**X**] No	Will any Landing(s) be located on? ☐ Unstable areas ☐ Connected headwall swales (14 CCR 895.1 "Connected Headwall Swale" ☐ Both **If YES, address pursuant to 14 CCR 923.1 [943.1, 963.1](d)**
r. [☐]Yes [**X**] No	Will any landing construction be located across 100 feet or more lineal distance on? ☐ Slopes over 65%

	☐ Slopes over 50% which are within 100 feet of the boundary of a WLPZ that drains toward the zoned watercourse or lake. **If YES, address per 14 CCR 923.2 [943.2, 963.2](a)(7) and 923.4 [943.4, 963.4](n)**
s. [☐]Yes [**X**] No [**X**]Yes [☐] No	Will any Landing(s) be deactivated? Will any Landing(s) be abandoned? **If YES, describe specific measures to prevent significant sediment discharge. per 14 CCR 923.8 [943.8, 963.8] et seq. and 923.9 [943.9, 963.9](e) and (p)**

LANDING RECONSTRUCTION	
t. [☐]Yes [**X**] No	Will any Landing(s) be RECONSTRUCTED?
u. [☐]Yes [**X**] No	Will any landing(s) be reconstructed within? ☐ Class I Watercourse or Lake ☐ Class II Watercourse or Lake ☐ Class III Watercourse or Lake ☐ Class IV Watercourse or Lake ☐ A Watercourse and Lake Protection Zone (WLPZ) ☐ Other (Examples; marshes, wet meadows, wet areas) If "OTHER" is selected describe the type of feature referenced below. NOTE: Exceptions are permitted per 14 CCR 923.1 [943.1, 963.1](b)(1) – (3) at: - Existing logging roads crossing(s) - Logging road watercourse crossing(s) to be constructed or reconstructed that are approved as part of a Fish and Game Code process (F&GC 1600 et seq.) - Logging road watercourse crossings of class III watercourses that are dry at the time of use. **If YES, address per 14 CCR 923 [943, 963](c)**
u.1. [☐]Yes [**X**] No	Will any landing reconstruction be located across 100 feet or more lineal distance on? ☐ Slopes over 65% ☐ Slopes over 50% which are within 100 feet of the boundary of a WLPZ that drains toward the zoned watercourse or lake. **If YES, address per 14 CCR 923.2 [943.2, 963.2](a)(7) and 923.4 [943.4, 963.4](n)**

SIGNIFICANT EROSION SITE(S)	
v. [☐]Yes [**X**] No	Are there any significant erosion sites? ☐ Existing ☐ Potential ☐ Both Associated within the logging area at? ☐ Logging road(s) ☐ Landing(s) ☐ Watercourse crossing(s) in the logging area? Per 14 CCR 923.1 [943.1, 963.1](e)(1) – (5). Also see 923.9 [943.9, 963.9](a) **If YES, for each significant existing or potential erosion site, provide the following:** ➢ Describe current condition of the site. ➢ Identify which sites can be feasibly treated, and which sites cannot. ➢ Specify mitigations for those sites that can be feasibly treated. ➢ Indicate logical order of treatment for those which have feasible treatments NOTE: Consider providing a MAP POINT TABLE which identifies the erosion site by mapped referenced identifier consistent with mapped locations.

ITEM #25

NOTE: If any item listed above is checked "YES" Provide: • **Operations Instructions to the LTO,** in accordance with the respective rule requirement(s) in **SECTION II** of the THP. • Any required **explanation and justification** should be included in **SECTION III**
Operation instructions to the LTO: **See information provided below.**

ASP WATERSHEDS	
a. [☐]Yes [☐] No **Not Applicable**	Will hauling on roads and landings be limited to those which are Hydrologically disconnected from watercourses to the extent feasible, and exhibit a stable operating surface? **If NO, address the exception pursuant to 923.6 [943.6, 963.6] (h)(3).**
ADDRESS THE FOLLOWING AS IT APPLIES TO ASP WATERSHEDS OR IMMEDIATELY UPSTREAM AND CONTIGUOUS TO, ANY WATERSHED WITH LISTED ANADROMOUS SALMONIDS	
• When logging road(s) or landing(s) construction or reconstruction is proposed identify:	
1) How the proposed operations will fit into the systematic layout pattern. Per 14 CCR 923.1 [943.1. 963.1](g) **Not Applicable**	
2) What, if any, offsetting mitigation measures (including but not limited to, abandonment of logging road(s) and landing(s) are needed to minimize potential adverse impacts to watersheds from the road system. Per 14 CCR 923.1 [943.1. 963.1](g) **Not Applicable**	
• Provide specific provisions for the protection of salmonid habitat for all logging road(s) construction:	
3) On slopes, greater than 50% with access to a watercourse or lake. Per 14 CCR 923.4 [943.4, 963.4](s)(1) **Not Applicable**	
• Provide specific erosion control measures for all permanent and seasonal roads:	
4) With a grade of 15% or greater which extends 500 feet or more. Per 14 CCR 923.5 [943.5, 963.5](q)(2) **Not Applicable**	

[x] Yes [ ] No Are there other approved Timber Harvest Plans on Green Diamond Resource Co property that share appurtenant roads with the proposed Timber Harvest Plan?

If yes, list those plans. Green Diamond Resource Co shall not submit a final completion report on this proposed Timber Harvest Plan until these listed plans have commenced operations. In the unique situation where one of these existing, listed plans will not be operated at all, the associated road work points on appurtenant roads, shared with this plan, shall be amended into this proposed plan and fixed in the time frame stipulated in the original plan (or site specific rationale for extending the repair date shall be provided and approved)

Past THP's with Shared Appurtenant Roads:

GDRCo Num	State ID
711801	1-18-098 DEL
711802	1-19-00005-DEL
711803	1-19-00003-DEL
711902	1-20-00007DEL
711903	1-19-00220DEL
711904	1-20-00004DEL
712001	1-20-00118-DEL

Road Construction:

14CCR923.7(c) During timber operations, road running surfaces in the logging area shall be treated as necessary to prevent excessive loss of the road surface materials by methods including, but not limited to, rocking, watering, paving, chemically treating, or installing commercial erosion control devices to manufacturer's specifications.

923.6(b) Logging roads and landings shall not be used during any time of the year when operations may result in significant sediment discharge to watercourse or lakes, except in emergencies to protect the road, to reduce erosion, to protect water quality, or in response to public safety needs.

923.6(c) During the extended wet weather period, log hauling, or other heavy equipment uses shall be limited to logging roads and landings that exhibit a stable operating surface in conformance with (b) above. Routine use of logging roads and landings shall not occur when equipment cannot operate under its own power.

The LTO may rock existing seasonal roads to provide a stable operating surface during the intend period of use. Rocked road segments may be used during the winter period as limited in the WPOP included in the THP. The rocked roads will continue to be single lane with limited turnouts and landing locations. As per the AHCP measure included in the WPOP, rock surfacing for winter period road use is to a minimum compacted depth of 12 inches. Road widths, grades, alignments or cutbanks/fill slopes will not significantly change during the application of rock surfacing or during the use of the rocked road surface. Road surface drainage will be provided by a combination of drainage facilities and structures including but not limited to, inside ditches, ditch drains, waterbreaks, rolling dips, and outsloping as otherwise provided for in the rules and THP. Logging road and landing surfaces will be hydrologically disconnected from watercourses and lakes to the extent feasible as specified in the THP and as per 14 CCR 923.5(a).

Also refer to THP Item 26 for FPRs regarding the installation and removal of watercourse crossings.

For purposes of road maintenance requirements under 14 CCR 923.7, Green Diamond relies, in part, on the AHCP and programmatic approvals of CDFW and the North Coast Regional Water Quality Control Board. Further discussion of these agreements can be found in Section III Item #25, and copies of the agreements are on file with Cal Fire at the Santa Rosa and Fortuna offices.

Additional AHCP Measures Related to Road Construction

All appurtenant dirt roads associated with this THP will be hydrologically disconnected during the life of the THP. This work will be done at the end of operations or prior to the onset of the winter period.

For both new road construction and existing road maintenance in areas where existing road bank cuts have exhibited failures and have the potential to deliver to a watercourse, GDRCo will implement the following measures to the extent feasible to prevent sediment discharges to watercourses: Hydrologically disconnecting the bank cut discharge from watercourses, buttressing, or other measures and by installing and maintaining effective erosion control materials. This work will be done at the end of operations or prior to the onset of the winter period.

Seasonal Restrictions for Road and Landing Construction:
Green Diamond will not construct or rock new roads during the winter period (October 16th through May 14th). AHCP 6.2.3.5.2

Construction of Features
1. All watercourse crossings and cross drains will be installed and functional prior to October 15th.
2. By October 15th, all waterbars, rolling dips, and road and landing construction associated with straw mulching and grass seeding will be completed in order to minimize suspended or mobilized sediment delivery to a watercourse AHCP 6.2.3.8.3.

Seeding and Mulching (Road Construction)
Prior to the beginning of the first winter period following construction, Green Diamond will seed all new cut and fill slopes on roads constructed within a WLPZ (RMZ) or EEZ of Class I, II, or III watercourses at a rate of

at least 30 pounds per acre and mulched to a depth of at least two inches (before settling) with 90% surface coverage. AHCP 6.2.3.8.4

Soil Moisture Conditions (Road and Landing Construction)
Green Diamond will not construct roads when soil moisture conditions would result in:
1. ***Reduced traction by equipment as indicated by spinning or churning of wheels or tracks in excess of normal performances.***

2. ***Inadequate traction without blading wet soil; or***
3. ***Soil displacement in amounts that cause a visible increase in turbidity in any ditch or road surface that drains into a Class I, II, III or IV watercourse; except that construction may occur on isolated wet spots arising from localized groundwater such as seeps or springs. AHCP 6.2.3.5.23 & 6.2.3.7.3***

Road Daylighting:

No road daylighting is proposed for this THP at this time.

Road Daylighting AHCP 6.2.3.9.7
1. ***Green Diamond will perform road daylighting (removal of trees within 25 feet slope distance of the shoulder or cut bank of a road) to accelerate drying of roads and provide stable road surfaces for log hauling or other vehicular traffic.***
   Within WLPZ (RMZs) for Class I and II watercourses, no trees will be cut that could cause channel de-stabilization. No trees larger than 16 inches dbh will be cut from the downstream side of Class I watercourse crossings.
2. ***Green Diamond will evaluate daylighting within WLPZ (RMZs) on a site-specific basis to determine where it will be necessary in order to accelerate drying of the road and provide a stable road surface.***

24(g) and (s) - Road Deactivation and Abandonment Plan:

[X]Yes [☐] No **Does this plan include abandonment or deactivation of roads and/or landings?**

This plan proposes to permanently abandon 725 feet of temporary road that will no longer be used as part of the permanent road network. Refer to the detailed THP maps for the location of temporary and abandoned roads.

As per 14 CCR 923.8: Road and landing abandonment and deactivation shall include the following measures:

(a) All abandoned and deactivated logging roads and landings shall be left in a condition that provides for long-term, maintenance-free function of drainage and erosion controls.

(b) Soil exposed by abandonment or deactivation operations shall be removed or stabilized as needed to minimize soil erosion and sediment transport.

(c) Logging road watercourse crossings, other drainage structures, and associated fills shall be removed and stabilized in accordance with 14 CCR § 923.9 subsections (p)(1)-(4). (See watercourse removal standards in Section II Item 26).

(d) Logging roads to be abandoned shall be blocked upon completion of timber operations as specified in an approved winter period operating plan pursuant to 14 CCR § 914.7(b), so that standard production four wheel drive highway vehicles cannot pass the point of closure at the time of abandonment. If the logging road is to be abandoned, then the blockage design shall be described in the plan.
- **Blocking will be done with the use of high dirt berms and/or ditches, or other obstacles including but not limited to such things as logs, downed trees, root wads/stumps, boulders, or slash, or a combination of these methods.**

Site Specific Measures for THP items 24 (a) – (v):

24(e)

Approximately 1,305 feet of permanent road construction is proposed in this THP. Most of this road is within 150 feet of Hunter Creek, a Class I watercourse. The road to be constructed will be rocked at least 12-inches in depth to a permanent road standard and two new permanent drainage structures will be added. (Please refer to Road Work Order). The intent of the proposed road construction is to re-route the main H-10 haul road out of the active floodplain of Hunter Creek floods annually during high flow events. The relocation of this road upslope will provide greater protection to the riparian zone than what is currently being provided and will eliminate sediment inputs from the existing road caused by flood events. The existing road will be decommissioned to the following AHCP standards indicated in the following discussion on road decommissioning.

[X]Yes [☐] No **Does this plan include decommissioning of seasonal or permanent roads as defined in GDRCo's AHCP?**

AHCP Road Decommissioning Standards ***(AHCP 6.2.3.3)***

Time of Year Restrictions

1. ***Green Diamond will not carry out road decommissioning during the winter operating period (October 16th through May 14th), except that road decommissioning may occur from October 15th through November 15th if "unseasonably dry fall" occurs (less than four inches of cumulative rainfall from September 1st through October 15th) and the following occurs: a. Each project site is completed that operational day with erosion control measures installed; or b. If a site requires multiple days for completion, a long-range forecast of no rain for the next five days has been issued.***
2. ***Sites that require multiple days for completion will not be started during the winter period unless there is an emergency situation. A situation is an 'emergency' for the purpose of this section if the elements of Section 6.2.3.11 are satisfied. AHCP 6.2.3.3.1.***

Road-related Unstable Areas

1. ***Green Diamond will pull back unstable or potentially unstable road or landing fill identified during the road assessment process and deposit spoil in a stable location.***
2. ***Appropriate erosion control measures such as seeding and mulching will be utilized to prevent surface erosion at excavated unstable areas. AHCP 6.2.3.3.3***

Road Surface Runoff

1. ***Green Diamond will establish maintenance-free surface drainage for temporarily and permanently decommissioned roads that are hydrologically disconnected from watercourses.***
2. ***Inside ditches and springs and seeps will be properly drained with deep cross-drain ditches. Discharge from the ditches will not be directed onto unstable areas.***
3. ***Localized outsloping will be utilized as necessary to adequately drain the road surface.***
4. ***Permanently decommissioned roads will be ripped and planted with commercial tree species where appropriate to reestablish timber production. AHCP 6.2.3.3.4***

24(v) Significant Existing or Potential Erosion Sites: During plan layout, the RPF or supervised designee conducted an inspection of the logging roads, landings and watercourse crossings in the logging area, including appurtenant roads. Significant existing and potential erosion sites identified during the inspections have been documented and recommendations for their repair are provided in the attached road work table. *(AHCP 6.2.3.9.5 #1) The* timing for the work as described in the road work table provides a logical order of treatment for these sites. The timing of this work is prioritized under the guidelines presented in the AHCP and programmatic agreements with CDFW and the NCRWQCB. If any of the identified sites prioritized as "Watch List" or "Monitor" develop into an "Imminent Risk of Failure" condition, repair work will be carried out as soon as conditions and seasonal restrictions allow.

The road inspection assessed the following: *(AHCP 6.2.3.9.5 #2)*

a. Adequate waterbar spacing, depth, and complete diversion of water flow onto undisturbed soil.
b. Interception of the ditch line by ditch relief structures.
c. Areas having poorly drained low spots or inadequately breached outside berms.
d. That ditches are open and properly functioning, free of debris that could plug the ditch or a culvert and cause a diversion of water onto the road surface.
e. Culverts are functioning properly (i.e., the culvert is not at risk of imminent failure, it is not rusted out or separated at a joint; water is flowing through the pipe and not underneath; sediment and debris is not reducing the pipe capacity).
f. Forest floor discharge sites below the outlets of drainage facilities for evidence of sediment delivery to Class I, Class II or Class III watercourses.

The RPF considered the following key factors as part of developing necessary treatments for the identified significant erosion sites as proposed in the attached road work table:

A) The type of road (permanent, seasonal, or temporary road), road location, expected log truck haul routes, and traffic use;
B) The age of the road and the history of sediment delivery from the road;
C) The beneficial uses of the watercourse or lake and sensitive conditions potentially affected by the road including, but not limited to, watercourse classification and presence of listed anadromous salmonids;
D) The hillslope grade, road grade of crossing approaches and the gradient of the stream channel;
E) The erodibility of hill slope material exposed by the road;
F) The length of hydrologic connectivity of a road segment, the physical properties of the connected road segment and the presence or absence of an effective sediment filter strip; and
G) Other site-specific information regarding the condition of and location of all existing or potential sediment sources including, but not limited to: watercourse crossings, road approaches, ditch relief culverts, road surfaces, road cuts, road fills, inboard ditches, throughcuts, and landings.

Treatable and Non-treatable significant existing and potential erosion sites (road related):
Regarding 14CCR 923.1(e) The location, mapping and evaluation of treatable and non-treatable significant existing and potential erosion sites is addressed through implementation of the operational elements of GDRCo's AHCP as included in this THP and the associated programmatic agreements including the Road Management Waste Discharge Requirements (RMWDR) issued by the NCRWQCB (*Order R1-2010-0044 Waste Discharge Requirements for Discharges Related to Road Management and Maintenance Activities conducted pursuant to GDRCo's AHCP*) and the Master Agreement for Timber Operations (MATO) issued by CDF&W which includes Green Diamond's imminent risk of failure key.
Refer to THP Section III Item 25 for further discussions on the AHCP, the RMWDR and the MATO, and THP Section V for a copy of GDRCo's "Road Implementation Plan and Road Maintenance and Inspection Program".

With the implementation of the operational elements of the AHCP, the RMWDR and the MATO, GDRCo has established a programmatic process that meets the requirements of 923.1(e) to assess THP related roads, identify significant existing and potential road related erosion sites, specify feasible treatments, and provide a logical order of treatment for those sites. The result of the road assessment is the identification of "imminent risk of failure" sites that meet the FPR definition of "significant existing and potential erosion sites". The road assessment may also identify "watch list" sites or "monitor" sites. These are sites that are not significant existing and potential erosion sites but will be monitored and repaired if their status changes to "imminent risk" during the life of the plan.

The road work table identifies "imminent risk of failure sites" in the "current condition" discussion. If monitor and watch list sites are present, they are identified in the "required work" discussion. **There are four Imminent risk of failure sites associated with the THP. Please refer to the following Road Work Order included in Section II, item 24 for treatment of these sites.** Other sites may be identified in the road work order, such as "access issues", or "consistency determination" sites. These other types of sites are not significant existing or potential erosion sites.

There were no significant existing and potential erosion sites that do not have feasible treatment measures identified in the THP.

Monitoring for Logging Roads and Watercourse Crossings:
Monitoring for logging roads pursuant to 14CCR 923.7(k) and for watercourse crossings pursuant to 923.9(u) is addressed through implementation of the RMWDR. As allowed under 923.7(k)(2) and 923.9(u)(2), inspections conducted pursuant to California Regional Water Quality Control Board requirements may be used to satisfy the inspection requirements of this section.

Watercourse crossing locations and culvert sizes:
As per 923.9(e) the location of all new permanent and temporary logging road watercourse crossings, including crossings to be abandoned and deactivated are shown on the Road Work Map in Section II, Item 24. Minimum culvert diameters are stated in the Road Work Order. The methods used for determining minimum culvert diameters are as follows. For drainage areas less than or equal to 80 acres the Rational Method was used. For drainage areas >80 acres the USGS Magnitude and Frequency Method was used. As per 923.9(f) Permanent water course crossings that are constructed or reconstructed shall accommodate the estimated 100 year flood, including debris and sediment loads.

GREEN DIAMOND RESOURCE COMPANY

THP - Road Work Order

GDRCO # : 712103
THP Name : Hunter West
Date Print : 1/18/2023

Road Point	Road Name	Road Classification	Mitigation Planned?	Programmatic Permit?		Timing of Work And/Or Mitigation of Operation Completion
				MATO	WDR	
06	H-10	Permanent	YES	YES	YES	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.
Current Condition: This site qualifies as an Imminent Risk of Failure site. A Class II watercourse with a 24" CMP that is rusted through greater than 25% of the length.						Required Work : Excavate between the flagged TOP and BOT removing sediment, debris and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Road Point	Road Name	Road Classification	Mitigation Planned?	Programmatic Permit?		Timing of Work And/Or Mitigation of Operation Completion
				MATO	WDR	
07	H-10	Permanent	YES	YES	YES	Work will be completed prior to the first Winter Period pending THP approval. If the THP approval occurs on or after July 1 then work will be completed the following year prior to the Winter Period.
Current Condition: This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing with a 36" CMP that is not set to grade and is rusted through greater than 25% of the length.						Required Work : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 48" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Road Point	Road Name	Road Classification	Mitigation Planned?	Programmatic Permit?		Timing of Work And/Or Mitigation of Operation Completion
				MATO	WDR	
08	H-500	Permanent	NO	NO	NO	See comments in road work description.
Current Condition: this site does not qualify as an Imminent Risk of Failure site. A Class II watercourse with a 24" CMP that is rusted through less than 25% of the length. There is some flow underneath the pipe, but there are no erosional voids present. This is a known watchlist site that is being monitored annually.						Required Work : This site will continue to be monitored annually until it qualifies as an Imminent Risk of Failure site.

The following is an exerpt taking from the "H10 ROAD REROUTE AND FISHERIES HABITAT IMPROVEMENT PROJECT PHASE 2 GEOTECHNICAL REPORT, HUNTER CREEK WATERSHED DEL NORTE COUNTY, CALIFORNIA", Prepared for: Yurok Tribal Fisheries Department Klamath, California and Green Diamond Resources Company Korbel, California Prepared by Rocco Fiori, PG 8066Fiori GeoSciences, included in Section V of the THP. This excerpt is to assist the LTO in the implementing the H-10 rerouting project. In the event the that the Yurok Tribe does not implement the project in the timespan of this THP, this project will not be conducted by Green Diamond Resource Copmay as part of this THP.

Design Specifications: "Road construction standards will comply with Green Diamond Resource Company's (GDRC) AHCP, and recommendations provided by its staff. Culvert sizing will be determined by GDRC and appropriately sized culverts, placement of rolling dips and other drainage relief features will be installed as required for this project. The new road alignment will be located where cross-slope gradients range from flat-lying to 20%, occupy portions of existing road prisms, and/or traverse flat-lying topography along the valley floor (see Tile 16 on Sheet 4, and Sheet 5). The new road will be constructed using the cut-and-fill method where typical cuts and fills will be no greater than 6 feet (Figure 4). Fills for subgrades will be constructed by spreading 1- to 2-foot lifts of earth materials excavated from nearby cuts and compacted by tracking-in each lift with heavy equipment until good visual relative compaction is achieved. The road travelway will be brought to grade using aggregate obtained from deconstructing the existing road alignment (in the process of improving fish habitat, water quality and flood inundation of the existing roadway). Exceptions to these specifications are: (A) from station 2+00 to 6+25 the road fillslope will be protected using fish friendly measures that will include a combination of large rock placed at the base of the fillslope, and strategically placed wood jams within the active channel and adjacent floodprone surfaces. (B) from station 5+00 to 6+75, where the road transitions from the valley floor to the landslide bench, fill depths may be greater than 6 feet, but not exceed 10 feet for short distances. (C) at stations 8+62, and (D) 12+00 cutslopes may be greater than 6 feet, but not exceed 9 feet, for short distances. See Figure 4 and Sheet 5 for the locations of these design measures."

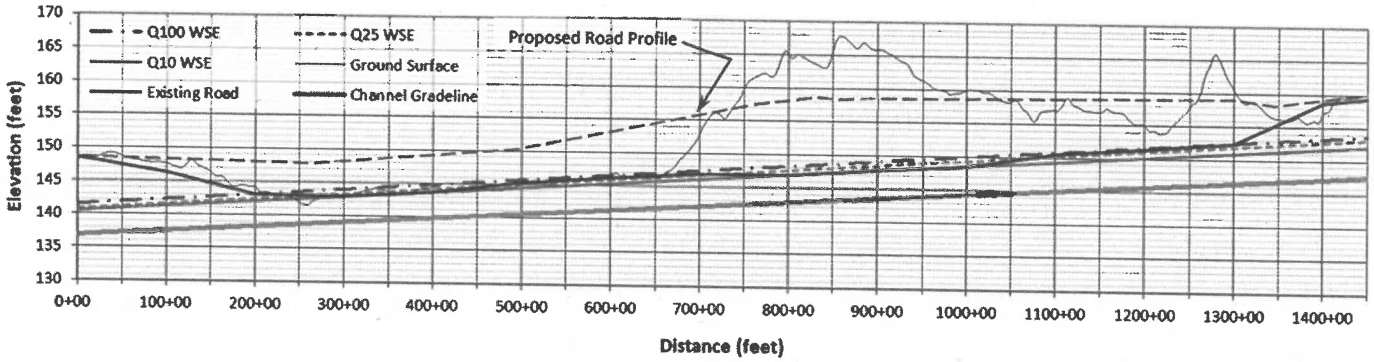
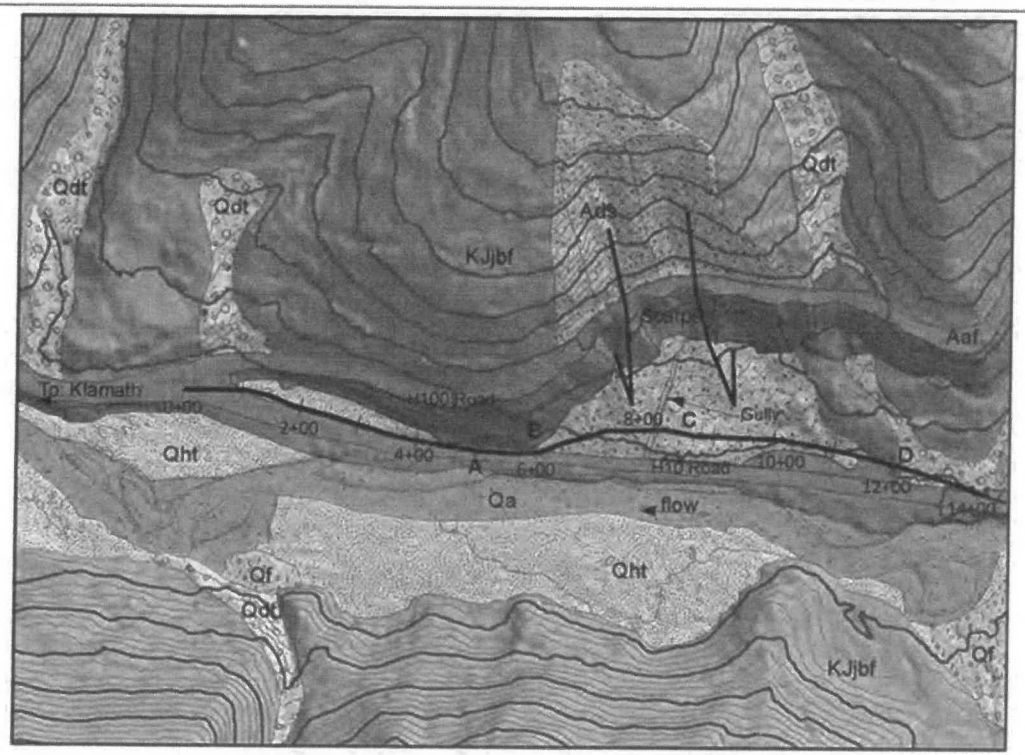


Figure 4. Cut and Fill Diagram showing profiles for the existing and proposed road surfaces, ground surface at the proposed road alignment, the channel gradeline, and water surface elevations (WSE) for the 10-, 25-, and 100-year recurrence interval flood events. WSEs are output from a HECRAS 1-D hydraulic model using USGS StreamStats flood hydrology data, and the Yurok Tribe's 2016 1m Bare Earth LiDAR Digital Elevation Model. The WSEs were not calibrated and therefore have unquantified errors and uncertainty. These errors and uncertainties are inferred to be minimal based on field observations of past flood events in the project area. However, no warranty is expressed or implied by FGS as to the suitability of the hydraulic model results for any particular purpose other than intended by the author. The hydraulic model and WSEs were prepared to assist in investigations to determine the feasibility of relocating a portion of the H10 road described in this report.



ENGINEERING GEOLOGIC AND GEOMORPHIC MAP FOR A PORTION OF HUNTER CREEK

DEL NORTE COUNTY, CALIFORNIA
2022
Rocco Fiori, PG

N

0 50100 200 300 400 500
Feet

CONTOUR INTERVAL = 10 FEET

EARTH MATERIALS AND GEOMORPHIC SURFACES

Artificial Fill (af) (Anthropocene)
Disturbed earth materials related to the construction of roads, landings, and disposal sites. Some features are not mapped.

Active Stream Channel Deposits (Qa) (Anthropocene)
Fluvial deposits of loose silt, sand, and gravel.

Debris Slide (ds) (Anthropocene)
Fan shaped deposit of earth materials immediately downslope of steep concave slope.

Debris Torrent (dt) (Anthropocene to Holocene)
Course deposits of earth materials within steep confined channels.

Alluvial Fan Deposits (Qf) (Anthropocene to Holocene)
Unconsolidated alluvial fan deposits of sand, gravel, silt and clay.

Young Stream Terrace Deposits (Qht) (Anthropocene to Holocene)
Prominant and generally flat laying surfaces of stratified layers of silt loam, silty sands and gravels, with interstratified lenses and burried channels of cobbles, gravel, and sand.

Broken Formation (KJjbf) (Early Cretaceous and Late Jurassic)
Massive sandstones, metagreywacke and interbedded sandstones, mudstones that are tectonically fragmented into bedded or massive blocks in a shaley matrix.

MAP SYMBOLS

2+00 PROPOSED ROAD REROUTE (STATIONING IN FEET)

A - D ROAD SPECIAL TREATMENT AREAS. SEE REPORT FOR DETAILS.

CIRCA 1970's WATERCOURSE DIVERSIONS. INFERRED.

Notes: This map was prepared to assist in investigations to determine the feasibility of relocating the portion of the H10 road illustrated herein.The topographic base is a portion of the Yurok Tribe 2016 1m LiDAR DEM. Mapping is from digital orthorectified aerial imagery prepared by the USGS, USDA NAIP, the LiDAR DEM, and georeferenced aerial imagery prepared by FGS. Geologic data are from Alto and Harper (1982) and FGS for this report. No warranty is expressed or implied by FGS as to the suitability of this map for any particular purpose other than that intended by its author.

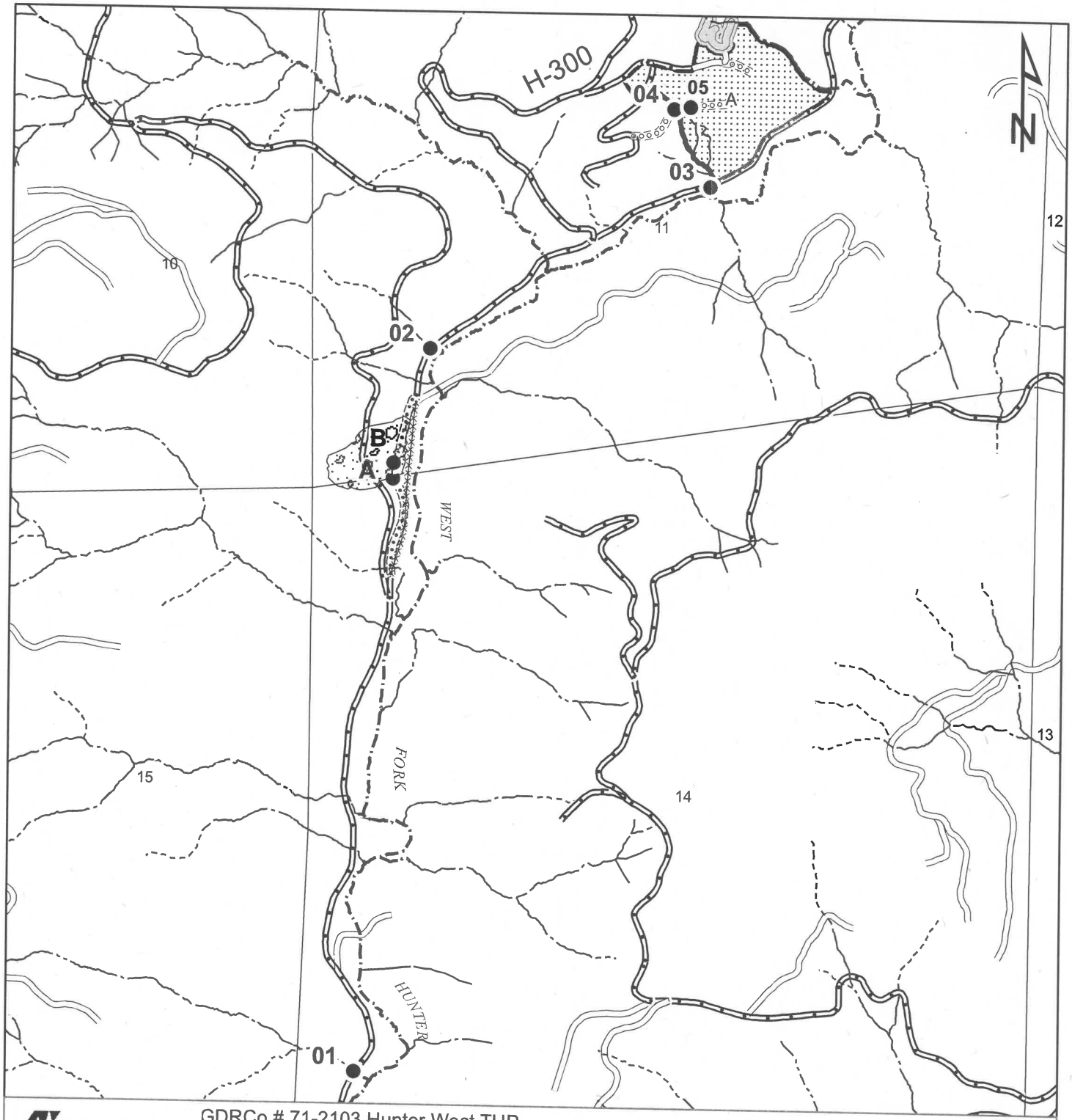
Project Name: YUROK TRIBE FISHERIES DEPARTMENT HUNTER CREEK H10 ROAD REROUTE PROJECT

Sheet Title: ENGINEERING GEOLOGIC AND GEOMORPHIC MAP

Prepared by/Date
FGS
SEPT 2022

Sheet Number
5 of 5

57.2



GREEN DIAMOND RESOURCE COMPANY

GDRCo # 71-2103 Hunter West THP
USGS Childs Hills, CA 1966
USGS Requa, CA 1966

Roadwork Points Map 1 of 2
T15 N, R01 E, HBM | T14N, R01 E, HBM

Scale:
1:12,000
1 inch = 1,000 feet

- Roadwork Point
- Plan Area
- Unstable Area
- GDRCo Ownership
- Harvest Unit Boundary

Roads
- Existing Permanent Road
- Existing Seasonal Road
- Proposed Seasonal Road
- Proposed Permanent Road
- Proposed Temporary Road (To be abandoned)
- Permanent Road (To be decommissioned)

Watercourse
- Class I
- Class II (II-1, II-2)
- Class III (IIIA, IIIB)

INTERNAL USE ONLY

A - 1411125
B - 1411132
C - 1410127

- No new skid trails will be constructed.
- Equipment corridors that are so deeply cut as to divert and carry water away from natural drainage patterns for more than 100 feet shall have waterbreaks installed at 100 foot intervals.
- Operations may occur during the winter period as limited in the Winter Period Operating Plan in THP Section II Item 23.

Given the increased safety and efficiency provided by the proposed operations and the combined effects of the equipment design and the proposed limitations that will minimize potential impacts, it is justified to allow for this proposed exception.

ITEM 24

Item 24 c. A road rerouting project for the H-10 permanent haul road is being conducted in coordination with the Yurok Tribe. The rerouting of the road crosses an inactive landslide. It is unlikely that rerouting of this road will have any negative impacts to this feature. The new road alignment crosses the toe of the inactive slide on slopes less than 20%. The new road will have an overall positive impact to the environment by rerouting the exiting road out of a flood plain, enhancing fish habitat by reducing flooding and sediment inputs thus improving overall water quality. Please see the complete geology report in Section V for further explanation and justification.

Item 24 e. The road rerouting project being conducted in cooperation with the Yurok Tribe as discussed in Section II, item 24 c. has segments that are within 150 feet of the Class I watercourse, Watercourse and Lake Trans (WLTL). However, the rerouting of the road extends this distance and will be a net positive to the environment by moving the existing road out of the floodplain reducing sediment inputs, enhancing fish habitat, and improving water quality. Please see the complete geology report included in Section V for further explanation and justification.

ITEM 25 - Discussion of the relationship between programmatic agreements (DF&G and WQCB), THPs and GDRCo's AHCP:

On July 2007, GDRCo began implementing the Aquatic Habitat Conservation Plan (AHCP) approved by the National Marine Fisheries Service and the U.S. Fish & Wildlife Service for the conservation of aquatic species.
One focus of the Plan involves managing sediment from the GDRCo road network and includes measures that pertain to road construction, maintenance and repair, decommissioning and upgrading.

The Road Implementation Plan in the AHCP (AHCP Section 6.2.3.2) was designed to systematically upgrade, decommission and maintain roads in a system that will use prioritized investments to minimize sediment inputs to watercourses and maximize the benefits to water quality and aquatic resources across the landscape. In order to implement the AHCP as originally intended, GDRCo entered into two new permitting processes that provide a means to comprehensively manage roads on an ownership wide basis, rather than on a THP basis only.

In the spring of 2009, GDRCo in collaboration with the California Department of Fish and Game (DFG) and the North Coast Regional Water Quality Control Board (NCRWQCB) began the development of a programmatic Master Agreement for Timber Operations (MATO) and Road Management Waste Discharge Requirements (RMWDRs) that apply to the AHCP Road Implementation Plan (AHCP Section 6.2.3.2) and the Road Maintenance and Inspection Program (AHCP Section 6.2.3.9).

All the activities carried out under the MATO and RMWDRs will comply with the restrictions designed to prevent and minimize impacts to aquatic resources, as detailed in Section 11.0 of MATO No.1600-2010-0114-R-1.
An Initial Study/Mitigated Negative Declaration (IS/MND) was prepared, pursuant to Public Resource Code Section 21080 of CEQA, to evaluate the potential impacts to resources resulting from alteration to the bed, bank, and/or channel of streams, diversion of water from streams, as well as, potential impacts on water quality and beneficial uses.

On May 18, 2010 DFG issued a Notice of Determination that the IS/MND is in compliance with CEQA and the project will not have a significant effect on the environment. On June 15, 2010, DFG issued a final Master Agreement for Timber Operations (No.1600-2010-0114-R-1) that authorizes GDRCo to conduct Authorized Activities identified in Section 2.0 of MATO.
On June 10, 2010, the NCRWQCB adopted Waste Discharge Requirements for Discharges (Order No. R1-2010-0044) Related to Road Management and Maintenance Activities conducted pursuant to GDRCo's AHCP.

The MATO and RMWDRs enable GDRCo to implement the comprehensive Road Management Plan under the AHCP. There are two key components of the Road Management Plan: (1) the Road Implementation Plan and (2) the Road Maintenance and Inspection Program. The objective of the Road Implementation Plan (AHCP Section 6.2.3.2) is to carry out a systematic road upgrading and

decommissioning program using the Plan's road assessment and prioritization system (AHCP Section 6.2.3.1). The AHCP compartmentalizes GDRCo's ownership into Road Work Units, or groupings of sub-watersheds.

These Road Work Units were prioritized for potential upgrading and decommissioning based on a priority ranking system of providing the greatest sediment reduction for improved water quality and greatest conservation benefits to aquatic resources. The intent of the AHCP is to conduct scheduled road assessments and road treatments by prioritized Road Work Units, as well as within THPs, as necessary to comply with State regulations.

The Road Maintenance and Inspection Program (AHCP Section 6.2.3.9) requires (1) annual inspections and maintenance of all mainline roads and roads appurtenant to THPs and (2) inspections on a 3-year rotating schedule for secondary roads within Routine Maintenance Areas. The Road Maintenance and Inspection Program will keep upgraded roads at low risk for water quality and biological impacts and will prevent and minimize catastrophic and chronic sediment sources on roads pending upgrading or decommissioning.

As part of the MATO and RMWDRs, GDRCo has agreed to develop and submit an Annual Work Plan to DFG by March 1 of each calendar year and to NCRWQCB by March 31 each calendar year.

AMENDMENT NO 7 (Minor)

GREEN DIAMOND Resource Company

California Timberlands Division
P.O. Box 68
Korbel, California 95550
707-668-4467

This amendment conforms to the rules and the regulations of the Board of Forestry and the Forest Practice Act

Reviewed by CL Date routed DEC 27 2022

cc: Unit (2), PS, RPF

Review Team Chairperson
CALFIRE
135 Ridgway
Santa Rosa, CA 95401

December 22, 2022

Re: THP 1-21-00143 HUM; GDRCo # 472103 (CR 1000/1900 '22)

Dear Sir or Madam,

This is a request to change the status of Road Point 7 of THP 1-21-00143-HUM to a monitor site. I inspected the site prior to the start of the planned digging in October and this was followed up by a reassessment by Green Diamonds AHCP Roads Coordinator Nalani Ludington and we concluded that the site does not pose a "high delivery risk" as it was originally described in the road work order.

The above changes should be considered a minor deviation under 14 CCR 1040. It can reasonably be presumed not to make significant changes in the conduct of timber operations and can reasonably be expected not to significantly adversely affect timberland productivity or values related to soil, water quality, watershed, wildlife, fisheries, range and forage, recreation, and aesthetic enjoyment.

The PHI team has been contacted and they agreed that changing Road Point #7 to a monitor site should be considered a minor amendment. Water Quality inspector Jessie Cahill was able to visit the site and he concurred on this opinion as well. Email correspondence is attached

All other provisions of the original THP are to remain in effect.

Sincerely,

Robert C East
RPF# 2892
Green Diamond Resource Company

RECEIVED
DEC 22 2022
COAST AREA OFFICE
RESOURCE MANAGEMENT

GREEN DIAMOND RESOURCE COMPANY

THP - Road Work Order

GDRCO # : 472103
THP Name : CR 1000/1900 THP '22
Date Print : 12/22/2022

Road Point	Road Name	Road Classification	Mitigation Planned?	Programmatic Permit?		Timing of Work And/Or Mitigation of Operation Completion
				MATO	WDR	
7	BL-3200	Permanent	No	No	No	

Current Condition: This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that is acting like a functional Humboldt Crossing. This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that is acting like a functional Humboldt Crossing. This site has been heavily influenced by historic logging activity. There is a large flat area that is likely an historic landing site that extends from the base of the inboard fill approximately 100-feet back and 100-feet to the left creating a large, contained basin area. The watercourse goes subsurface where the landing terminates and resurfaces below the base of the outboard fill. There are no voids in the fill and no evidence of overtopping or past diversion. An overflow pipe is set at the termination of the landing on the left and effectively drains overflow. This site has remained in a stable condition since 2004. The overflow pipe was upgraded to a 24" CMP in 2012. The pipe is in good condition and is adequately sized for a 100-year flow event.	Required Work:Monitoring at this site will continue at least once a year through the life of the THP, then once every three years. No treatment is required at this time.

East, Robert

From: Cahill, Jessie B.@Waterboards <Jessie.Cahill@Waterboards.ca.gov>
Sent: Tuesday, October 18, 2022 3:00 PM
To: East, Robert; Haynes, David@Wildlife; Coonen, Noah@CALFIRE
Cc: Ludington, Nalani; Drakeford, Jeremy; Hackney, Jeffery
Subject: Re: Road point #7 status change to monitor for THP 1-21-00143-HUM

I was able to make a quick trip out to inspect the site this afternoon. WQ is in support of modification of the Road Work Order of the THP to either remove the site completely or leave it under the Monitoring program.

From: East, Robert <REast@greendiamond.com>
Sent: Tuesday, October 18, 2022 8:45 AM
To: Haynes, David@Wildlife <David.Haynes@Wildlife.Ca.Gov>; Coonen, Noah@CALFIRE <Noah.Coonen@fire.ca.gov>; Cahill, Jessie B.@Waterboards <Jessie.Cahill@Waterboards.ca.gov>
Cc: Ludington, Nalani <Nalani.Ludington@greendiamond.com>; Drakeford, Jeremy <JDrakeford@greendiamond.com>; Hackney, Jeffery <Jeffery.Hackney@greendiamond.com>
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EXTERNAL:

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Here is a new write-up for RP 7

This site does not qualify as an Imminent Risk of Failure site. A Class II watercourse crossing that is acting like a functional Humboldt Crossing. This site has been heavily influenced by historic logging activity. There is a large flat area that is likely an historic landing site that extends from the base of the inboard fill approximately 100-feet back and 100-feet to the left creating a large, contained basin area. The watercourse goes subsurface where the landing terminates and resurfaces below the base of the outboard fill. There are no voids in the fill and no evidence of overtopping or past diversion. An overflow pipe is set at the termination of the landing on the left and effectively drains overflow. This site has remained in a stable condition since 2004. The overflow pipe was upgraded to a 24" CMP in 2012. The pipe is in good condition and is adequately sized for a 100-year flow event.

Monitoring at this site will continue at least once a year through the life of the THP, then once every three years. No treatment is required at this time.
OR
This site will be placed on the Watch List and inspected annually until it qualifies as an Imminent Risk of Failure site. No treatment is required at this time.

If the PHI team agrees, I would like to request that we be allowed to change the site to a monitor/watch list site and for it to be processed as a minor amendment.
I have included the original road work order and map for reference.
Your attention to this matter is much appreciated.
Thank you

Robert C East
Senior Forester - RPF #2892
GREEN DIAMOND
Resource Company
P.O. Box 68
Korbel, CA 95550
Phone: 707-668-4467
Cell 707-845-3780
reast@greendiamond.com

East, Robert

From: Coonen, Noah@CALFIRE <Noah.Coonen@fire.ca.gov>
Sent: Tuesday, October 18, 2022 4:30 PM
To: East, Robert; Cahill, Jessie B.@Waterboards; Haynes, David@Wildlife
Cc: Ludington, Nalani; Drakeford, Jeremy; Hackney, Jeffery
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Robert-
Based on WQ evaluation I have no objection to you modifying RP#7 to a monitor site. Additionally, requesting this change as a minor amendment sounds appropriate.
Thanks,
Noah Coonen

Get Outlook for iOS

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Jessie,
I appreciate you taking the time to get out and look at RP#7 with Nalani. I agree with your assessment to remove the site completely if the PHI Team agrees.
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Sent: Wednesday, October 19, 2022 8:30 AM
To: Coonen, Noah@CALFIRE; East, Robert; Cahill, Jessie B.@Waterboards
Cc: Ludington, Nalani; Drakeford, Jeremy; Hackney, Jeffery
Subject: RE: Road point #7 status change to monitor for THP 1-21-00143-HUM

Robert,

In review of your proposal, I'm good with you modifying RP#7 to a monitoring site.

Thanks for the update,

David

David Haynes
California Department of Fish and Wildlife
Timberland Conservation Program
Region 1 – Northern Region
601 Locust Street
Redding, CA 96001
David.haynes@wildlife.ca.gov

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Warning: this message is from an external user and should be treated with caution.

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I have included the original road work order and map for reference.
Your attention to this matter is much appreciated.
Thank you

Robert C East
Senior Forester - RPF #2892
GREEN DIAMOND
Resource Company
P.O. Box 68
Korbel, CA 95550
Phone: 707-668-4467
Cell 707-845-3780
reast@greendiamond.com

From: East, Robert <REast@greendiamond.com>
Sent: Thursday, December 22, 2022 9:57 AM
To: Santa Rosa Review Team@CALFIRE
Subject: Proposed Minor Amendment 1-21-00143 Hum
Attachments: SKorTLColor22122208590.pdf

Dear Sir or Madam,
Attached you will find a proposed minor amendment for THP 1-21-00143 Hum. Your attention to this matter is much appreciated.
Thank you and Merry Christmas!

Robert C East
Senior Forester - RPF #2892
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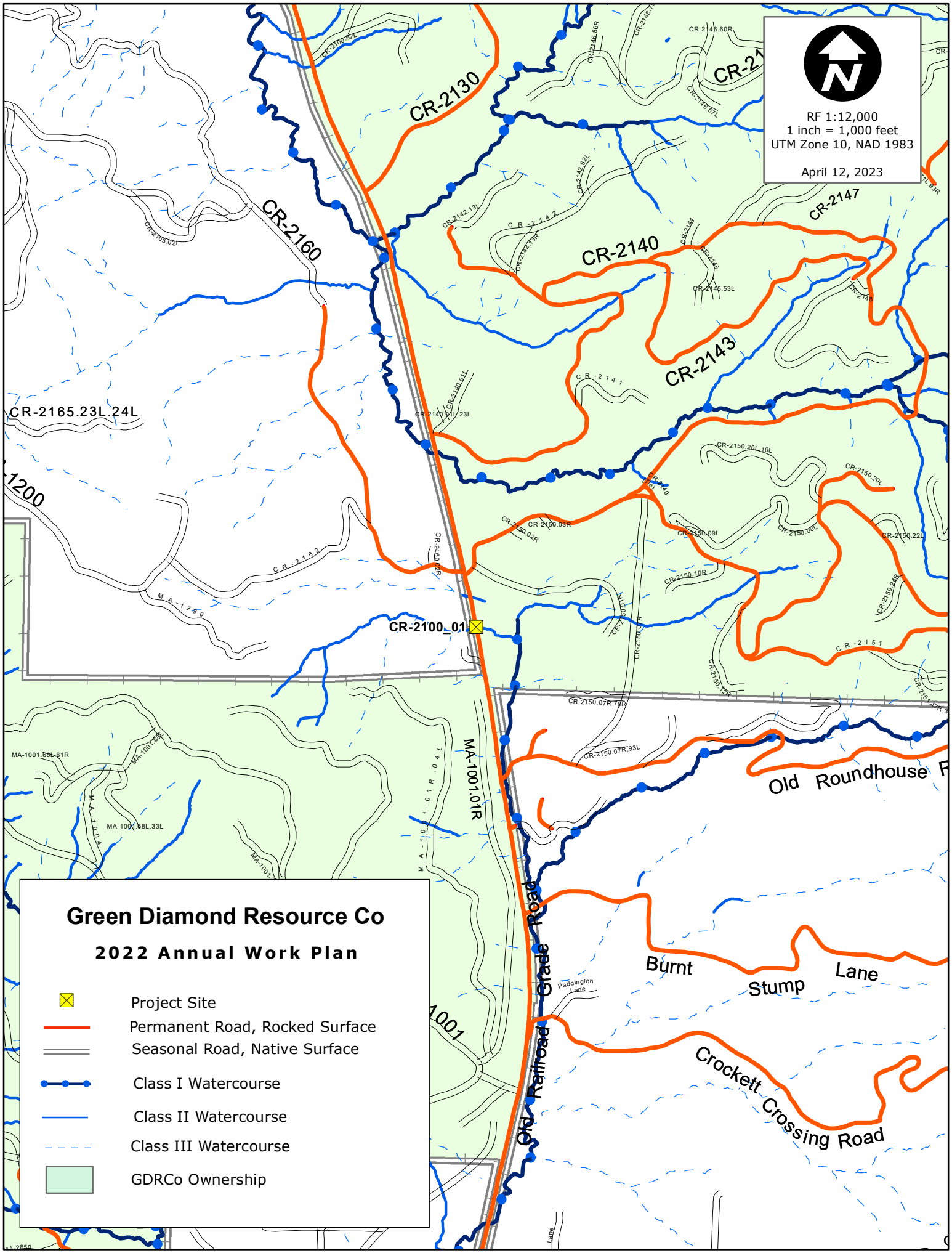
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UTM Zone 10, NAD 1983
April 12, 2023
CR-2130
CR-2160
CR-2140
CR-2147
CR-2143
CR-2165.23L.24L
CR-2100_01
MA-1001.01R
Old Railroad Grade Road
Old Roundhouse R
Burnt Stump Lane
Crockett Crossing Road
Paddington Lane
Green Diamond Resource Co
2022 Annual Work Plan
Project Site
Permanent Road, Rocked Surface
Seasonal Road, Native Surface
Class I Watercourse
Class II Watercourse
Class III Watercourse
GDRCo Ownership

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 4/12/2023

SiteId #	39033		**GDRCO Action #**	10163110	
SiteLabeld	PWA_LindsayCreek_530		**Calwater Watershed**		
Road Point	CR-2100_01		**Legal Description**		
Road Name	Old Railroad Grade Road		**Annual Plan Year**	2023	
Road Class	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 : 0	E:0			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area			**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing with a failing Humboldt crossing and two overflow pipes that are mostly blocked, but are coveying most of the flow. A deep void has developed in the running surface, likely due to a separation in one of the overflow pipes.

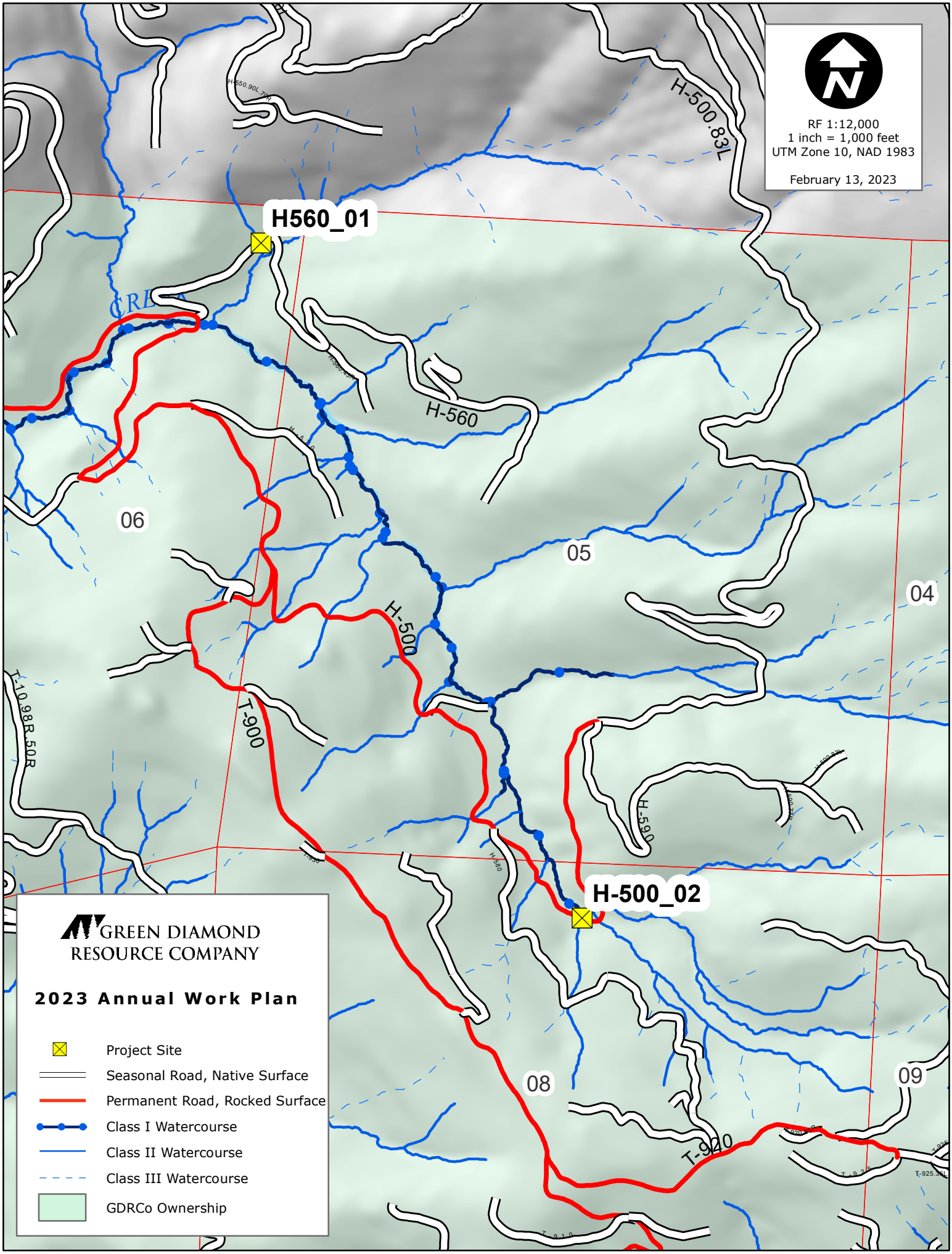
TREATMENT : Excavate between flagged TOP and BOT including any buried woody debris. Install a 42" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

Excavated Volume	223	**Erosion Potential**	High
Delivery Volume	156	**AHCP Priority**	High
Disturbed Surface Area	1338	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

TMIS - Culvert Report

SiteId	Acres	Length (Miles)	lower Elevation	Upper Elevation	Altitude	TC	cfs	C.Diam (inches)	C.Diam,Int (inches)	Method
39033	53	0.49	360	517	141.3	9.75	46.75	42	41.54	Rational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1 inch = 1,000 feet
UTM Zone 10, NAD 1983
February 13, 2023
H560_01
H-500.83L
H-560
H-500
T-900
H-590
H-500_02
T-920
06
05
04
08
09
T-10.98R.50R
GREEN DIAMOND RESOURCE COMPANY
2023 Annual Work Plan
Project Site
Seasonal Road, Native Surface
Permanent Road, Rocked Surface
Class I Watercourse
Class II Watercourse
Class III Watercourse
GDRCo Ownership

Culvert Report By AWP & Road Name

ROAD NAME	Site_Id	Thp Pt	acres	Length	lower	Upper	Altitude	TC	cfs	Culvert size	C.Diam.Int (inches)	feature	method
H-500	20426	H-500_02	23.35	0.35	1980	2693	641.7	3.69	27.46	36	33.28	culvert	Rational
H-560	20532	H560_01	20.7	0.33	1634	2292	592.2	3.56	24.34	36	31.72	culvert	Rational

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 2/13/2023

SiteId #	20426		**GDRCO Action #**	10162681	
SiteLabeld	Yurok_TERWER_39		**Calwater Watershed**	Upper Turwar Creek	1105.110808
Road Point	H-500_02		**Legal Description**	14.0N 02.0E 8	
Road Name	H-500		**Annual Plan Year**	2023	
Road Class	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 : 419239	E:4608680			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing with a 24" CMP that is rusted through greater than 25% of the length. There is flow under the culvert and an erosional void under the outlet extending 2 feet into the fill with the depth of 1.5 feet. There is an additional 24" CMP underneath the aforementioned CMP which has a buried inlet.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines.

Excavated Volume	129	**Erosion Potential**	High
Delivery Volume	90	**AHCP Priority**	High
Disturbed Surface Area	771	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 2/22/2023

SiteId #	20532		**GDRCO Action #**	10162676	
SiteLabeld	H560-1		**Calwater Watershed**	Upper Turwar Creek	1105.110808
Road Point	H560_01		**Legal Description**	14.0N 02.0E 6	
Road Name	H-560		**Annual Plan Year**	2023	
Road Class	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 : 418412	E:4610419			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing with a CMP that is rusted through greater than 25% and has a buried inlet. There is flow under the culvert and an erosional void under the shot-gunned outlet.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 36" CMP to FPR and GDRCo AHCP guidelines.
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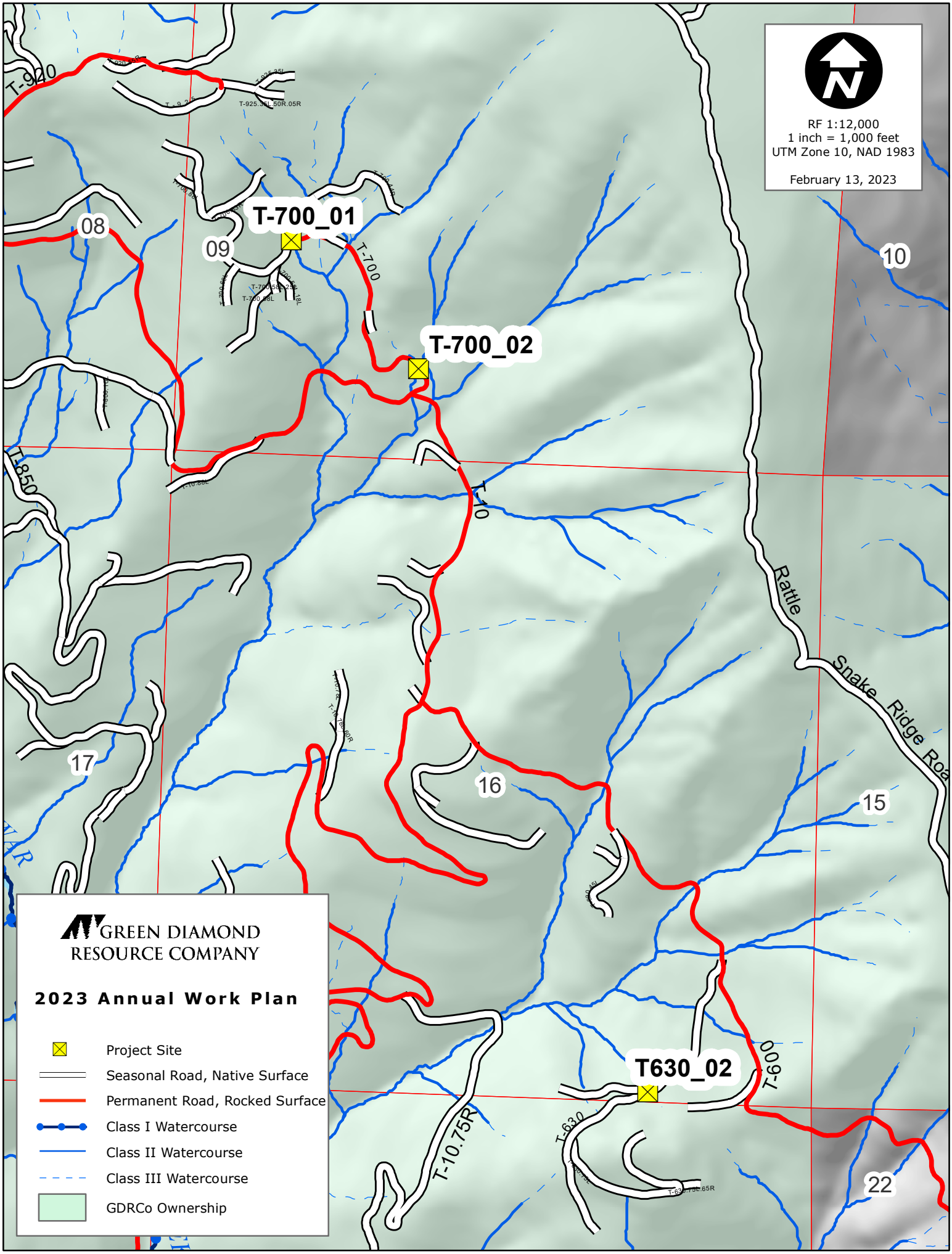
Excavated Volume	450	**Erosion Potential**	High
Delivery Volume	315	**AHCP Priority**	High
Disturbed Surface Area	2700	**Excavated Materials**	Soil,Gravel,Rock and Wood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1 inch = 1,000 feet
UTM Zone 10, NAD 1983
February 13, 2023
T-700_01
T-700_02
T630_02
T-920
T-700
T-850
T-10
T-10.75R
T-600
T-630
Rattle Snake Ridge Roa
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09
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22
GREEN DIAMOND RESOURCE COMPANY
2023 Annual Work Plan
Project Site
Seasonal Road, Native Surface
Permanent Road, Rocked Surface
Class I Watercourse
Class II Watercourse
Class III Watercourse
GDRCo Ownership

Culvert Report By AWP & Road Name

ROAD NAME	Site_Id	Thp Pt	acres	Length	lower	Upper	Altitude	TC	cfs	Culvert size	C.Diam.Int (inches)	feature	method
T-630	21572	T630_02	3.8	0.11	1855	2138	254.7	1.38	4.47	24	8.31	culvert	Rational
T-700	20982	T-700_01	2.9	0.13	2393	2579	167.4	1.97	3.41	24	6.34	culvert	Rational
T-700	20237	T-700_02	2.6	0.13	2141	2449	277.2	1.62	3.06	24	5.69	culvert	Rational

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 2/22/2023

SiteId #	20237		**GDRCO Action #**	10162713	
SiteLabeId	Yurok_TERWER_1		**Calwater Watershed**	Upper Turwar Creek	1105.110808
Road Point	T-700_02		**Legal Description**	14.0N 02.0E 9	
Road Name	T-700		**Annual Plan Year**	2023	
Road Class	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 : 420559	E:4607339			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse crossing with an 18" CMP with a crushed inlet that is set high in the fill and a buried outlet.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines.

Excavated Volume	207	**Erosion Potential**	Medium
Delivery Volume	145	**AHCP Priority**	Medium
Disturbed Surface Area	1243	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 2/22/2023

SiteId #	20982		**GDRCO Action #**	10162935	
SiteLabeld	T700-01		**Calwater Watershed**	Upper Turwar Creek	1105.110808
Road Point	T-700_01		**Legal Description**	14.0N 02.0E	9
Road Name	T-700		**Annual Plan Year**	2023	
Road Class	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 : 420230	E:4607672			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse crossing with an 18" CMP that is separated 6 feet from the outlet. There is flow under the culvert and an erosional void under the outlet.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines.

Excavated Volume	76	**Erosion Potential**	High
Delivery Volume	53	**AHCP Priority**	High
Disturbed Surface Area	454	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

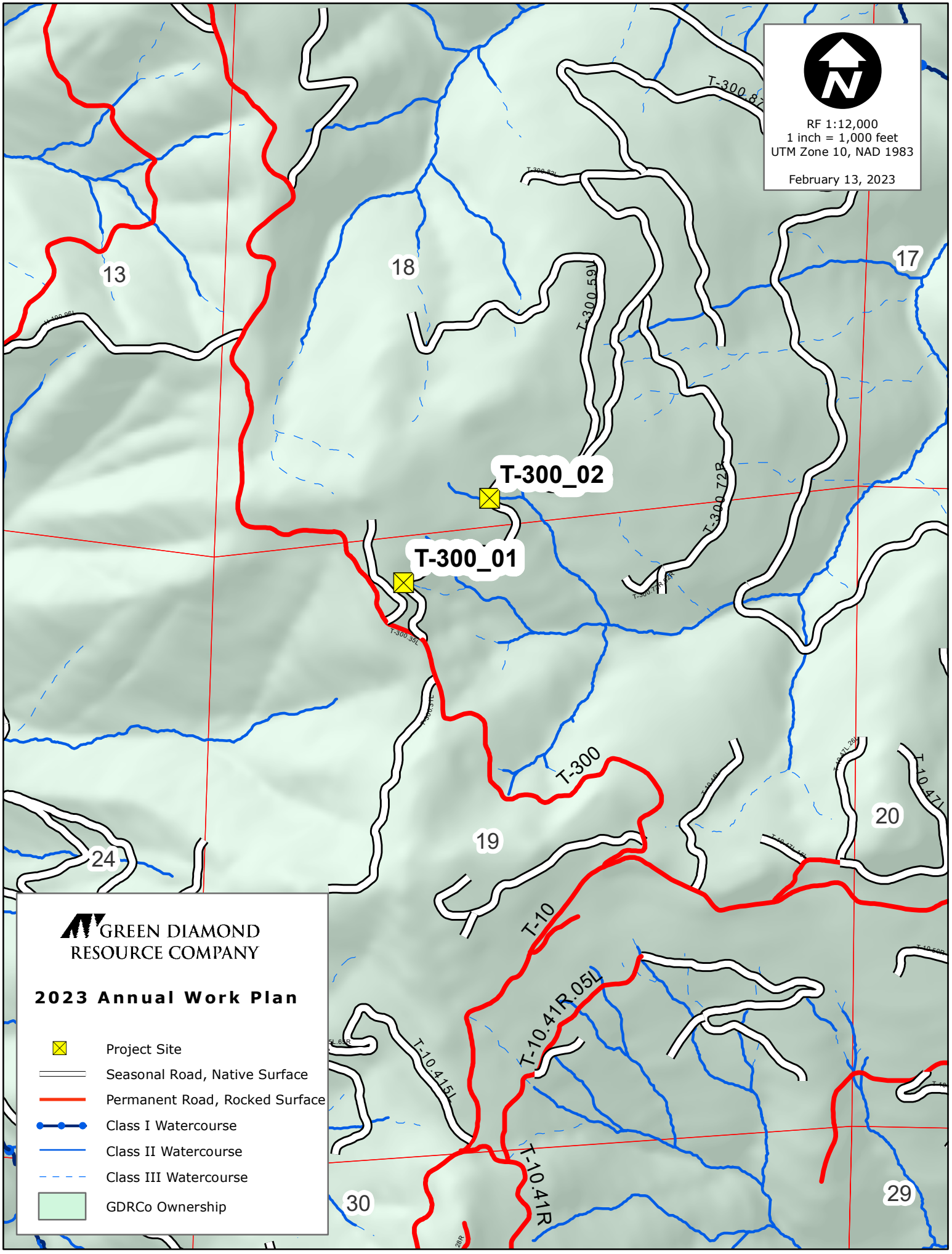
Date Print: 2/22/2023

SiteId #	21572		**GDRCO Action #**	10162736	
SiteLabeld	T630-02		**Calwater Watershed**	Upper Turwar Creek	1105.110808
Road Point	T630_02		**Legal Description**	14.0N 02.0E 16	
Road Name	T-630		**Annual Plan Year**	2023	
Road Class	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 : 421149	E:4605477			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse crossing with a 24" CMP that has a buried outlet.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines.

Excavated Volume	221	**Erosion Potential**	Medium
Delivery Volume	155	**AHCP Priority**	Medium
Disturbed Surface Area	1329	**Excavated Materials**	Soil,Gravel,Rock and Wood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1 inch = 1,000 feet
UTM Zone 10, NAD 1983
February 13, 2023
T-300_02
T-300_01
T-300
T-10
T-10.41R.05L
T-10.41R
T-10.41S
T-300.59L
T-300.72R
T-300.35L
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29
GREEN DIAMOND RESOURCE COMPANY
2023 Annual Work Plan
Project Site
Seasonal Road, Native Surface
Permanent Road, Rocked Surface
Class I Watercourse
Class II Watercourse
Class III Watercourse
GDRCo Ownership

Culvert Report By AWP & Road Name

ROAD NAME	Site_Id	Thp Pt	acres	Length	lower	Upper	Altitude	TC	cfs	Culvert size	C.Diam.Int (inches)	feature	method
T-300	20648	T-300_01	4.5	0.1	2032	2339	276.3	1.2	5.29	24	9.85	culvert	Rational
T-300	20685	T-300_02	9.35	0.2	2018	2340	289.8	2.63	11	24	20.46	culvert	Rational

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 2/22/2023

SiteId #	20648		**GDRCO Action #**	10156988	
SiteLabeld	Yurok_TERWER_2		**Calwater Watershed**	Upper Turwar Creek	1105.110808
Road Point	T-300_01		**Legal Description**	14.0N 02.0E 19	
Road Name	T-300		**Annual Plan Year**	2023	
Road Class	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 : 417002	E:4605296			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse with a 24" CMP set over a Humboldt crossing. The outlet is rusted through resulting in a 3' erosional void. Outboard fill sluffing is present on the right bank. The watercourse is hydrologically connected on the right approach.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP. Install a hydrologic disconnect at the flagged location on the right approach.

Excavated Volume	73	**Erosion Potential**	Medium
Delivery Volume	51	**AHCP Priority**	Medium
Disturbed Surface Area	438	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

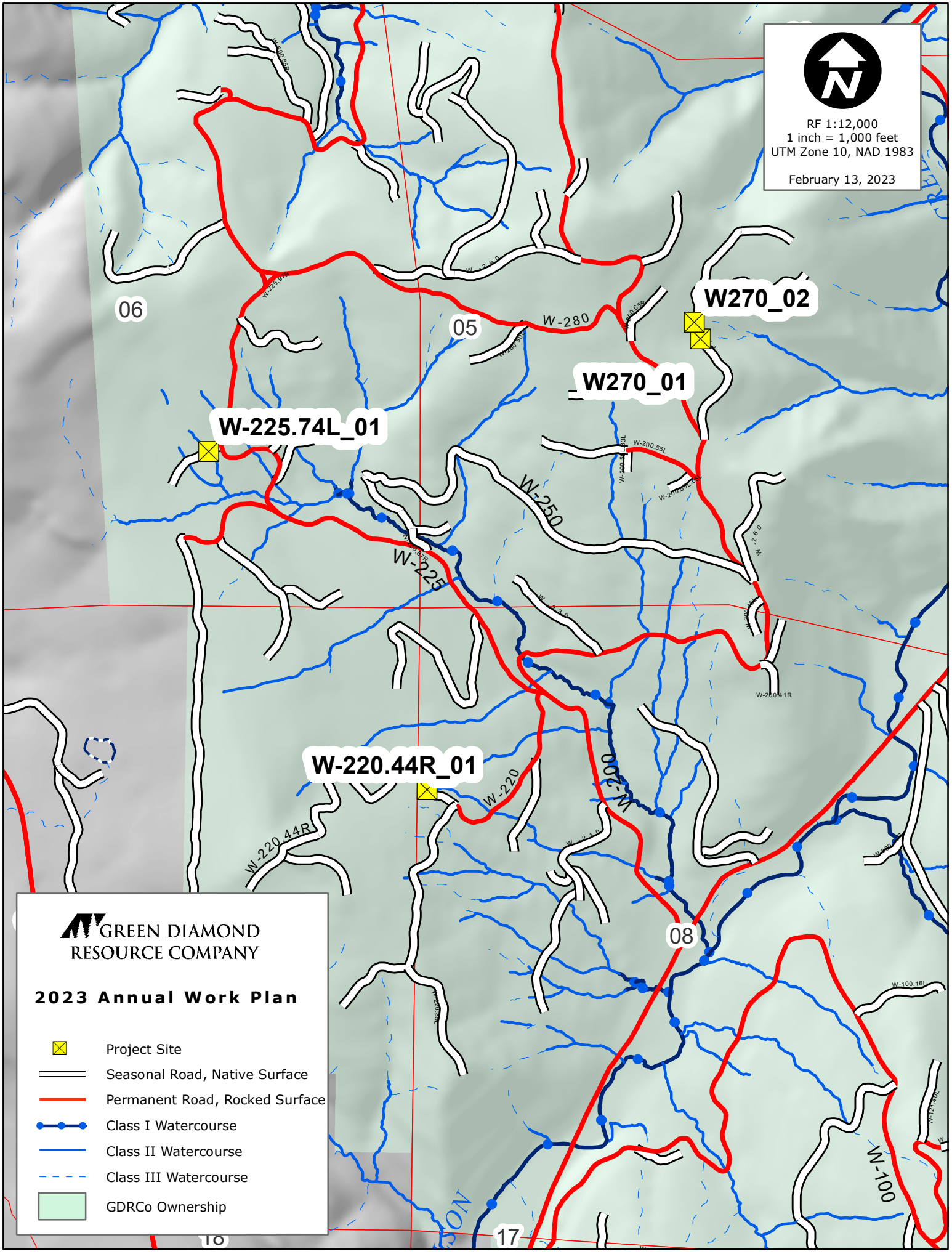
Date Print: 2/22/2023

SiteId #	20685		**GDRCO Action #**	10156989	
SiteLabeId	K1-01		**Calwater Watershed**	Upper Turwar Creek	1105.110808
Road Point	T-300_02		**Legal Description**	14.0N 02.0E 18	
Road Name	T-300		**Annual Plan Year**	2023	
Road Class	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 : 417223	E:4605512			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Coastal Klamath		**Road Use Rectriction**	Permanent	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class II watercourse with a 24" CMP with a 22'x20' sediment wedge that has buried the inlet. A sinkhole void in the sediment wedge formed above the inlet allowing flow to be conveyed through the culvert. The watercourse is hydrologically connected on the left approach.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP. Install a hydrologic disconnect on the left approach at the flagged location.

Excavated Volume	2660	**Erosion Potential**	Medium
Delivery Volume	1862	**AHCP Priority**	Medium
Disturbed Surface Area	15596	**Excavated Materials**	Soil,Gravel,Rock and Wood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UTM Zone 10, NAD 1983
February 13, 2023
W270_02
W270_01
W-225.74L_01
W-220.44R_01
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W-280
W-250
W-225
W-220
W-200
W-100
W-220.44R
GREEN DIAMOND RESOURCE COMPANY
2023 Annual Work Plan
Project Site
Seasonal Road, Native Surface
Permanent Road, Rocked Surface
Class I Watercourse
Class II Watercourse
Class III Watercourse
GDRCo Ownership

Culvert Report By AWP & Road Name

ROAD NAME	Site_Id	Thp Pt	acres	Length	lower	Upper	Altitude	TC	cfs	Culvert size	C.Diam.Int (inches)	feature	method
W-220.44R	8500	W-220.44R_01	2.94	0.14	583	757	156.6	2.2	4.01	24	7.47	culvert	Rational
W-225.74L	8854	W-225.74L_01	13.31	0.28	759	1094	301.5	3.82	18.17	30	27.95	culvert	Rational
W-270	8868	W270_01	14.3	0.28	802	1263	414.9	3.37	16.82	30	26.94	culvert	Rational
										36	35.45	culvert	Rational

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 2/13/2023

SiteId #	8500		**GDRCO Action #**	10162617	
SiteLabeld	PWA-Wilson Cr_271		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	W-220.44R_01		**Legal Description**	14.0N	01.0E 7
Road Name	W-220.44R		**Annual Plan Year**	2023	
Road Class	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 : 408596	E:4608426			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Historic	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse crossing below a broad swale has a 36" CMP that is rusted through greater than 25% of the length. An historic tractor road with a failing Humboldt crossing is located below this crossing and will be included in the excavation.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 24" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP. Excavate an inlet basin as needed to capture swale flow.

Excavated Volume	709	**Erosion Potential**	High
Delivery Volume	496	**AHCP Priority**	High
Disturbed Surface Area	4251	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 2/13/2023

SiteId #	8854		**GDRCO Action #**	10156966	
SiteLabeld	PWA-Wilson Cr_237		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	W-225.74L_01		**Legal Description**	14.0N 01.0E 6	
Road Name	W-225.74L		**Annual Plan Year**	2023	
Road Class	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 : 408033	E:4609297			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site acts as the hydrologic disconnect for W270_01. The 36" CMP drains ditch flow and t is rusted through greater than 25% of the length.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 30" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP.

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

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 2/23/2023

SiteId #	8867		**GDRCO Action #**	10162619	
SiteLabeld	PWA-Wilson Cr_250		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	W270_02		**Legal Description**	14.0N 01.0E	5
Road Name	W-270		**Annual Plan Year**	2023	
Road Class	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 : 409285	E:4609629			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Historic	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III watercourse crossing with a 36" CMP that is rusted through greater than 25% of the length and is hydrologically connected for 200ft on the left approach.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 36" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP. Add drainage structure at the flagged locations to adequately disconnect the road from the adjacent watercourse.

Excavated Volume	43	**Erosion Potential**	Medium
Delivery Volume	30	**AHCP Priority**	Medium
Disturbed Surface Area	257	**Excavated Materials**	Soil,Gravel,Rock and Wood

GREEN DIAMOND RESOURCE COMPANY

Annual Work Plan : Non THP - Road Work Order By Permit Comment

Date Print: 2/23/2023

SiteId #	8868		**GDRCO Action #**	10162618	
SiteLabeld	PWA-Wilson Cr_251		**Calwater Watershed**	North of Teds Ridge	1103.500001
Road Point	W270_01		**Legal Description**	14.0N 01.0E	5
Road Name	W-270		**Annual Plan Year**	2023	
Road Class	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 : 409302	E:4609588			
Work Type	THP		**Wildlife Restrictions**		
Hydrologic Planning Area	Smith River		**Road Use Rectriction**	Seasonal	
Project Type	II/III		**Aquatic Hab. Survey Req?**	NO	
PreConsultation Completed?	NO		**WDR Req?**	YES	
Fees Payed From Previous AWP	NO		**MATO Req?**	YES	

CURRENT CONDITION : This site qualifies as an Imminent Risk of Failure site. A Class III with a 36" CMP that is rusted through greater than 25% of the length. Watercourse is hydrologically connected to 150' of ditch line on the left approach.

TREATMENT : Excavate between the flagged TOP and BOT removing sediment, debris, and buried logs. Install a 42" CMP to FPR and GDRCo AHCP guidelines as described in Section II of this THP. Add drainage structures at the flagged locations to adequately drain the ditch flow.

Excavated Volume	379	**Erosion Potential**	Medium
Delivery Volume	265	**AHCP Priority**	Medium
Disturbed Surface Area	2271	**Excavated Materials**	Soil,Gravel,Rock and Wood

U.S. Fish and Wildlife Service

Partners for Fish and Wildlife Program

Project Work Plan

Email to: Dan_Gale@fws.gov or Greg_Gray@fws.gov (707) 822-7201
Website: http://www.fws.gov/arcata/restoration/default.htm

Date: 03/03/2023

Project Name: Stream & Floodplain Enhancement of Hunter Creek (2023)

Partner information

a) Funding Recipient:
Yurok Tribe, Joseph James (Tribal Chair), PO Box 1027 Klamath CA 95548, (707) 482-1350 (Office), (707) 482-1350 (Fax), jjames@yuroktribe.nsn.us

b) Organization Type: Federally Recognized Tribe

c) Project Manager:
Sarah Beesley, PO Box 1027 Klamath CA 95548, (707) 458-5899, sbeesley@yuroktribe.nsn.us

Landowner(s) information

a) Property Owner(s):
Green Diamond Resource Company, PO Box 68 Korbel CA 95550
Contact – Mathew Nannizzi, (707) 668-4403 (Office), MNannizzi@greendiamond.com

Project Summary

a) Project summary:
The Yurok Tribal Fisheries Department (YTFD) and our restoration consultant Rocco Fiori (Fiori GeoSciences - FGS) are proposing to enhance stream and floodplain habitats within Hunter Creek (Figures 1-4). Hunter Creek is a tributary to the Lower Klamath River that supports spawning runs of Chinook, Coho, steelhead, and coastal cutthroat trout (natal populations) and the lower reaches provide thermal refuge and juvenile salmonid rearing habitat for salmonids from throughout the Klamath Basin (non-natal populations). YTFD and FGS have been conducting comprehensive fisheries habitat enhancement within the watershed for over a decade. Building off prior restoration project successes and to further support native salmonid recovery, we are proposing to continue our stream and floodplain enhancement efforts in Hunter Creek over the next few years (July 2023 through October 2026).

More specifically, YTFD and FGS are proposing to 1) relocate a section of the H10 stream-side timber road to a less impactful location along the valley sidewall; 2) remove the abandoned road section; and 3) rehabilitate habitat within the formerly occupied floodplain and adjacent stream habitats by installing constructed wood jams (CWJs) and reshaping/enhancing floodplain flow paths. Restoration actions were designed to provide immediate and long-term benefits to native salmonids with a particular focus on improving juvenile salmonid rearing habitat. Relocating this section of road out of the floodplain will allow increased fish access to low velocity habitats, improved channel migration opportunities, and

enhanced riparian forest conditions (i.e. reduced near bank stream velocities, improved hydrochory). This project is part of a larger-scale effort to re-build complexity, resiliency, and productivity within this priority off-estuary watershed and continued demonstration of the effective restoration partnership of the Yurok Tribe, FGS, and the landowner – Green Diamond Resource Company (GDRC).

b) Funding amount requested: $80,018.00

c) Total cost of project: $340,028.00

d) Stream name and major watershed: Hunter Creek, Klamath River

Site Location

a) Attach a USGS Quadrangle with the project site/reach identified: See Figure 1.

b) Attach aerial photo with specific work sites labeled: See Figure 2.

c) Latitude, Longitude (in decimal degrees):
Upstream Boundary: Latitude 41.611; Longitude -124.036
Downstream Boundary: Latitude 41.608; Longitude -124.038

d) Driving directions (be specific):
Travel north on U.S. Highway 101 from the town of Klamath, California, for ~ 2.7 miles and turn right on Hunter Creek Road. Travel approximately 1.8 miles to a private gate. A Green Diamond Resource Company (GDRC) North Klamath key is needed to unlock this gate. Proceed through the gate and travel for ~1.8 miles to the junction of the H10 with the H200 Road. Proposed treatments will be implemented in Hunter Creek from ~1,400 feet upstream of the H200 junction to ~1,900 feet downstream (Figure 1).

e) Site/habitat description:
Hunter Creek is a fourth order watershed that enters the north side of the Klamath River estuary ~1.2 miles upstream of the Pacific Ocean (Figure 1). Most of the watershed and 100% of the project area is managed for industrial timber harvest with forests comprised of coastal redwood, Sitka spruce, western red cedar, red alder, big-leaf maple, and willow species. Hunter Creek supports anadromous populations of Chinook, Coho, steelhead, coastal cutthroat trout, and multiple lamprey species. The watershed has been impacted by historic land management activities that have resulted in removal of old growth conifers from riparian habitats, simplification of stream and riparian habitats, increased channel sedimentation, and loss of large wood in the fluvial corridor. Large flood events occurring over the last 150 years have exacerbated degraded conditions by increasing rates of riparian loss, channel widening, and valley aggradation. YTFD identified Hunter Creek as a priority watershed for receiving restoration. Therefore, the Yurok Tribe Watershed Restoration Program has decommissioned several high and medium priority roads to reduce sediment impacts. YTFD and FGS have been conducting stream and floodplain restoration in Hunter Creek since 2011. Restoration techniques implemented have included installation of numerous constructed wood jams (CWJs), enhancement of an off-channel wetland, and relocation of a ~900 foot section of the H10 Road to allow for rehabilitation of 3.0 acres of floodplain habitat.

Project Information

a) Problem Statement:
There is a critical need to increase floodplain connectivity and complexity throughout the Lower Klamath to promote salmon recovery and increased watershed resiliency. Currently, GDRC's H10 timber road parallels Hunter Creek for several miles. Sections of this road occupy prime floodplain habitat and act as a levee disconnecting once productive floodplain habitats from the active channel. This project would help address limiting factors by relocating a section road out of the floodplain and then implementing comprehensive enhancement of floodplain and adjacent stream habitats in the reach.

b) Restoration Hypothesis:

We hypothesize that relocating sections of the H10 streamside road in combination with comprehensive habitat enhancement (e.g. wood loading, riparian planting, reshaping/enhancing off-channel habitats) will provide immediate and long-term benefits to native fish and wildlife, including ESA listed Coho salmon. Anticipated benefits include increased habitat diversity, floodplain connectivity, and resiliency of aquatic and riparian habitats to floods, drought, and sedimentation events. An additional hypothesis is that increased floodplain connectivity and formation/maintenance of side channel and alcove habitats will help support beaver and perhaps entice them to increase their dam building activities within the lower velocity areas created by our restoration efforts.

c) Project Goals and Objectives:
Project objectives include increasing floodplain connectivity, habitat complexity, and climate resiliency to provide immediate and self-maintaining benefits for Coho Salmon (ESA Listed), Chinook, steelhead, coastal cutthroat trout, and other native fish and wildlife. Additionally, we hope to gain and share vital information regarding the effectiveness of floodplain enhancement efforts and apply lessons learned to future restoration efforts to help ensure that best available science is guiding watershed recovery.

d) Species and/or habitats to benefit (fish, birds, mammals, herps, plants), and how:
The primary species anticipated to benefit from the project are Coho and Chinook salmon, steelhead, and coastal cutthroat trout via enhancement of mainstem, floodplain, and riparian habitats. The project is also likely to benefit numerous other species including lamprey, sculpin, northern spotted owl, marbled murrelet, black bear, Roosevelt elk, mink, and as described above we hope to benefit native beaver.

e) Relationship to other projects:
As described herein, YTFD and FGS have been conducting fisheries restoration within Hunter Creek since 2011 and this project is a continuation of our on-going efforts to improve watershed resiliency. The project is the third phase of floodplain focused restoration within the Hunter Creek watershed. In 2019, YTFD and FGS relocated a 900 foot section of the H10 and are currently monitoring restoration response. This was the first project of this type and the landowner has been supportive and interested in working with our team to conduct additional relocations where appropriate. This project will consist of relocation of approximately 1,300 feet of the H10, rehabilitation of floodplain and riparian habitats located within this former road alignment, and additional stream and floodplain enhancements (Figures 3-4).

Work Plan

a) Detailed project description:
YTFD and Rocco Fiori of FGS designed this project in coordination with Green Diamond Resource Company (GDRC) Biologists and Professional Foresters (Figures 3-4). Mr. Fiori will be the primary operator of heavy equipment and responsible for executing project designs in coordination with YTFD. Mr. Fiori is an operating engineer/geomorphologist and holds licenses as a California Professional Geologist (PG #8066) and Timber Operator (LTO #A10991). YTFD and FGS have extensive experience conducting similar and/or larger scale restoration projects within Lower Klamath tributaries.

The first phase of the project will entail the construction of the new road section which is covered under an approved GDRC Timber Harvest Plan and subject to GDRC's Aquatic Habitat Conservation Plan (AHCP) and other resource agency approved conservation agreements. YTFD is in the process of obtaining and/or completing the following additional regulatory compliance requirements for the project.

CEQA: We will apply for project authorization under GDRC's Master Agreement for Timber Operations (MATO) (No. 1600-2010-0014-R1; State Clearing House Number: 2010042020) – Mitigated Negative Declaration. Lead Agency: California Department of Fish & Wildlife (CDFW). Authorization under this authority will also include CDFW Lake & Streambed Alteration Agreement project coverage.

401 Certification: If approved under GDRC's CEQA, the project will also receive coverage via GDRC's Forest Management Waste Discharge Permit (R1-2012-0087). YTFD will submit a Notice of Intent to the North Coast Regional Water Quality Control Board (lead agency) to complete the 401permitting process.

NEPA: USFWS will be the lead agency and responsible for completing NEPA (In Progress).

404 Certification: USFWS will obtain 404 Authorization under USACE's Nationwide Permit No. 27.

NHPA/Section 106: Cultural compliance requirements are complete for proposed work sites.

ESA Section 7: USFWS will provide ESA authorizations via their NEPA process (In Progress). The project received inclusion in the National Marine & Fisheries Service / National Oceanic & Atmospheric Administration Restoration Center Arcata Office Programmatic Biological Opinion (NMFS 2022).

The project will be conducted using a combination of hand labor and heavy equipment including, but not limited to, excavators, dozers, loaders, vibratory roller, and haul trucks. The first step will be construction of the new road segment along the valley side wall which entails treatment of ~two small order drainages. The second phase entails removal of the old road segment (~1,400 ft) from the floodplain of Hunter Creek and rehabilitation of the affected floodplain and adjacent stream habitats (~3 acres). Restoration activities will occur between July 11 and October 15 (with an extension to October 31 if no significant rain occurs as per the AHCP). Following restoration and/or prior to any significant precipitation events, work areas will be winterized as outlined in the AHCP and other pertinent environmental permits and authorizations.

Prior to heavy equipment operations, we will review safety protocols related to working with heavy equipment and associated hazards including the Yurok Tribe Watershed Restoration Program's Injury Prevention and Safety Plan that covers general safety, injury and fire prevention, emergency medical protocols, equipment lockout policy, and a hazardous substance contingency plan. Safety meetings will occur regularly during equipment operations. Every piece of heavy equipment and each vehicle will be equipped with fire suppression gear, a first aid kit, hazmat spill kit, and emergency communications. Each employee will receive and be required to use the proper safety gear during all field operations.

To avoid/minimize impacts to aquatic species, road removal and habitat enhancement will occur during summer when flows within the project reach will be subsurface or very low. Surface waters will not be present within the road removal area and work in the channel will be conducted from dry banks or gravel bars. Road removal will be undertaken using standard road decommissioning techniques and protocols (e.g. Weaver and Hagans 1994). Equipment will be operated from the existing road and consist of removal of all the existing road fill and subsequent reshaping of floodplain flow paths. All excavated fill will be properly disposed at GDRC approved sites or incorporated into the new road segment if feasible.

Whole tree materials and CWJs will be installed to help rehabilitate the reactivated floodplain and enhance adjacent stream habitats (Figure 4). CWJs installed for this project will mimic naturally occurring features such as toppled riparian trees and natural wood accumulations. None of the CWJs will rely on cable or rebar anchoring systems and no imported quarry rock will be used. CWJs installed may include bar apex jams, deflector jams, post-assisted and woven jams, and/or roughness jams. Most of the key pieces used will be logs with rootwads to ensure greater jam stability and restoration effectiveness. Mechanically embedded log posts may also be used to increase jam stability and wood retention. Habitat treatments will also include installation of low-profile beaver dam analogues (BDAs) and/or hand-constructed post-assisted log structures (PALS) as described in Pollock et al. 2015 and Wheaton et al. 2019. These features will be installed primarily within low velocity settings such as side channels and floodplain flow paths to promote improved winter rearing habitats and ground water recharge.

CWJ sites will be accessed via heavy equipment from the existing floodplain road and/or via a few temporary trails. Temporary access trails will be less than 15 ft wide with alignments created to cause the

least impact possible to vegetation and soils. As described above, flows in the project reach will be subsurface or very low during the time of construction; however, requirements for working within 25 ft of wetted habitats will be followed. Vehicle and equipment maintenance/fueling and staging will take place on existing landings in upland areas. Given the site characteristics and time of proposed construction (July – October), we do not anticipate the need to implement any de-watering or fish relocation activities. If deemed necessary, we will follow measures outlined in NMFS's Biological Assessment and Opinion for Restoration Projects in Northern California (NMFS 2022 BiOp – authorization obtained in June 2022).

Implementation is anticipated to begin in summer 2023 (after July 11) with a primary focus on construction of the new road segment, removal of the floodplain road segment, and floodplain rehabilitation. If time allows during this first restoration season, we will also conduct habitat structure placement in the adjacent stream reach. Work within the project reach may extend into future restoration seasons if deemed necessary and appropriate. YTFD and FGS will be assessing habitat response throughout the project's duration to assess restoration performance and identify any future actions that may be needed to enhance project effectiveness. YTFD and FGS have been working to enhance fisheries habitats in Hunter Creek since 2011. Our approach is one of active, on-going stewardship that relies on adaptive learning (i.e. implement restoration action, monitor/assess response, apply lessons learned by implementing additional treatments or employ new techniques to boost effectiveness/ecological function of previous actions). This stewardship approach will continue with the implementation of this project.

YTFD and FGS have a proven track record of working with our resource partners to develop and implement effective Best Management Practices (BMPs) while conducting watershed enhancement projects in the Klamath Basin. All applicable tribal, state, and federal guidelines, avoidance / minimization measures, and BMPs will be followed and reported on for this project.

b) Quantify treatments, as appropriate:

1) Overall stream length affected: ~3,100 ft
2) Stream length planted or protected (with fence): 1,300 ft (planted)
3) Riparian zone to be planted or protected (length x width): 1,300 ft x 40 ft
4) Trees to be planted (number, by species): Willow (100), Cottonwood (20), Redwood (20)
5) Non-native vegetation removed (length x width): N/A
6) Stream bank restoration sites (number, length of stream, and technique): N/A
7) In-stream habitat structures to be installed (number, type): ≥20 CWJs, BDAs, and/or PALS
8) Road stream crossings removed/upgraded (number, type of treatment): replace ~2 culverts
9) Number fish barriers removed: N/A
    a. Length of upstream habitat made accessible: N/A

c) Who will design the project?
YTFD worked with Rocco Fiori (Professional Geologist No. 8066; Licensed Timber Operator No. A10991) of Fiori GeoSciences (FGS) to design this project. The road relocation component of the project was designed in coordination with GDRC Biologist and Professional Foresters and is covered under an approved GDRC Timber Harvest Plan and subject to GDRC's Aquatic Habitat Conservation Plan.

d) Will engineering be required? No

e) Who will oversee contractors and project implementation?
Barry McCovey will oversee the contractual aspects of this project and Sarah Beesley (YTFD Project Manager, Senior Fisheries Biologist) will lead and oversee all other aspects of the project.

f) Who will perform work? Names of contractors?

YTFD plans to work with our contractor, Rocco Fiori (FGS), to implement restoration activities. YTFD also foresees developing heavy equipment leases with qualified businesses. All contracting associated with this project will follow the Yurok Tribe's Procurement Policies and OMB Standards.

g) Project schedule:
The project is proposed to occur from spring 2022 through December 2026. Restoration is anticipated to begin during July 2023 and continue into subsequent restoration seasons as needed. As described, the construction work window will be July 11 – October 15 (with possibility of extension to November 1). Regulatory compliance is planned to be completed during spring 2022 through June 2023. Restoration performance monitoring will be conducted throughout the project's duration (~May 2023 – Dec. 2026).

Monitoring

a) Proper function/maintenance monitoring:
YTFD is responsible for the proper function of all proposed restoration actions listed herein. Proper functioning within floodplain treatment sites will consist of positive riparian response (i.e. vegetation regrowth within disturbed areas, 80% survival of any plantings, minimal to no loss in vegetative cover due to scour) and increased floodplain connectivity during winter storm events. YTFD will use photo-monitoring and field observations to assess how treated areas respond post-restoration. If any modifications and/or maintenance needs are identified, YTFD will present the information to the project team and develop a plan to address any concerns in a timely manner. We will work with GDRC to assess and maintain function of the constructed road realignment. To be a success, this project must not interfere with on-going timber operations and the new road alignment must hold up to long-term, heavy vehicle use. GDRC will notify YTFD if any maintenance or repairs are required.

To help document restoration actions and assess habitat conditions over time, YTFD plans to conduct photo-monitoring and topographic surveys using standard protocols. Photo-monitoring sites and survey benchmarks will be established prior to implementation and tied into an existing channel monitoring survey network. Photo-monitoring will be conducted throughout the project's duration to document baseline, construction, as-built, and post-restoration habitat conditions. We intend to conduct topographic surveys prior to implementation and following construction to document baseline and as-built conditions.

References

National Marine Fisheries Service. 2022. Biological Assessment for Restoration Projects in Northern California. (NMFS No: WCRO-2021-02830) Submitted to National Oceanic & Atmospheric Administration.

Pollock, M.M., G. Lewallen, K. Woodruff, C.E. Jordan and J.M. Castro (Editors) 2015. The Beaver Restoration Guidebook: Working with Beaver to Restore Streams, Wetlands, and Floodplains. Version 1.02. United States Fish and Wildlife Service, Portland, Oregon. 189 pp. Online at: http://www.fws.gov/oregonfwo/ToolsForLandowners/RiverScience/Beaver.asp

Weaver, W.E. and D.K. Hagans. 1994. Handbook for Forest and Ranch Roads: A Guide for Planning, Designing, Constructing, Reconstructing, Maintaining and Closing Wildland Roads. Pacific Watershed Associates, McKinleyville, California.

Wheaton J.M., Bennett S.N., Bouwes, N., Maestas J.D. and Shahverdian S.M. (Editors). 2019. Low-Tech Process-Based Restoration of Riverscapes: Design Manual. Version 1.0. Utah State University Restoration Consortium. Logan, UT. 286 pp.

Budget

a) Budget table summary

Funding Source	Funds Pending	Funds Received	In-Kind	Total ($)
Partners Program		$80,018		$80,018
Applicant				
Landowner(s): GDRC (Salvaged LWD)	$26,580			$26,580
Other Federal Sources (list): USFWS BIL		$45,000		$45,000
State Agencies (list): State Coastal Conservancy		$188,430		$188,430
Other (list):				
Total				$340,028

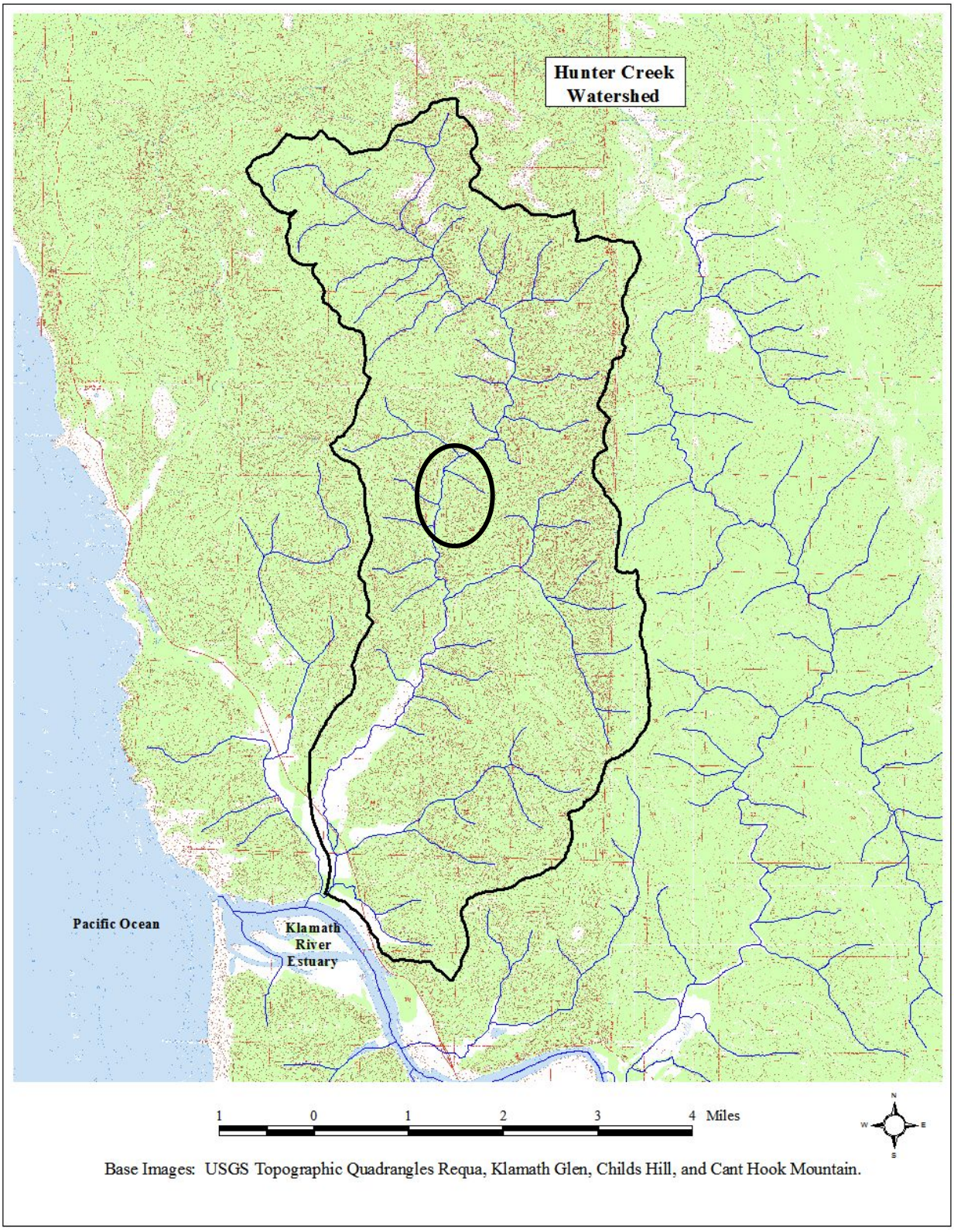

Figure 1. Map depicting the proposed habitat enhancement project area in Hunter Creek (Off-Channel Enhancement Phase III), Lower Klamath River, California (T14N, R1E, S 11 & 14, HBM).

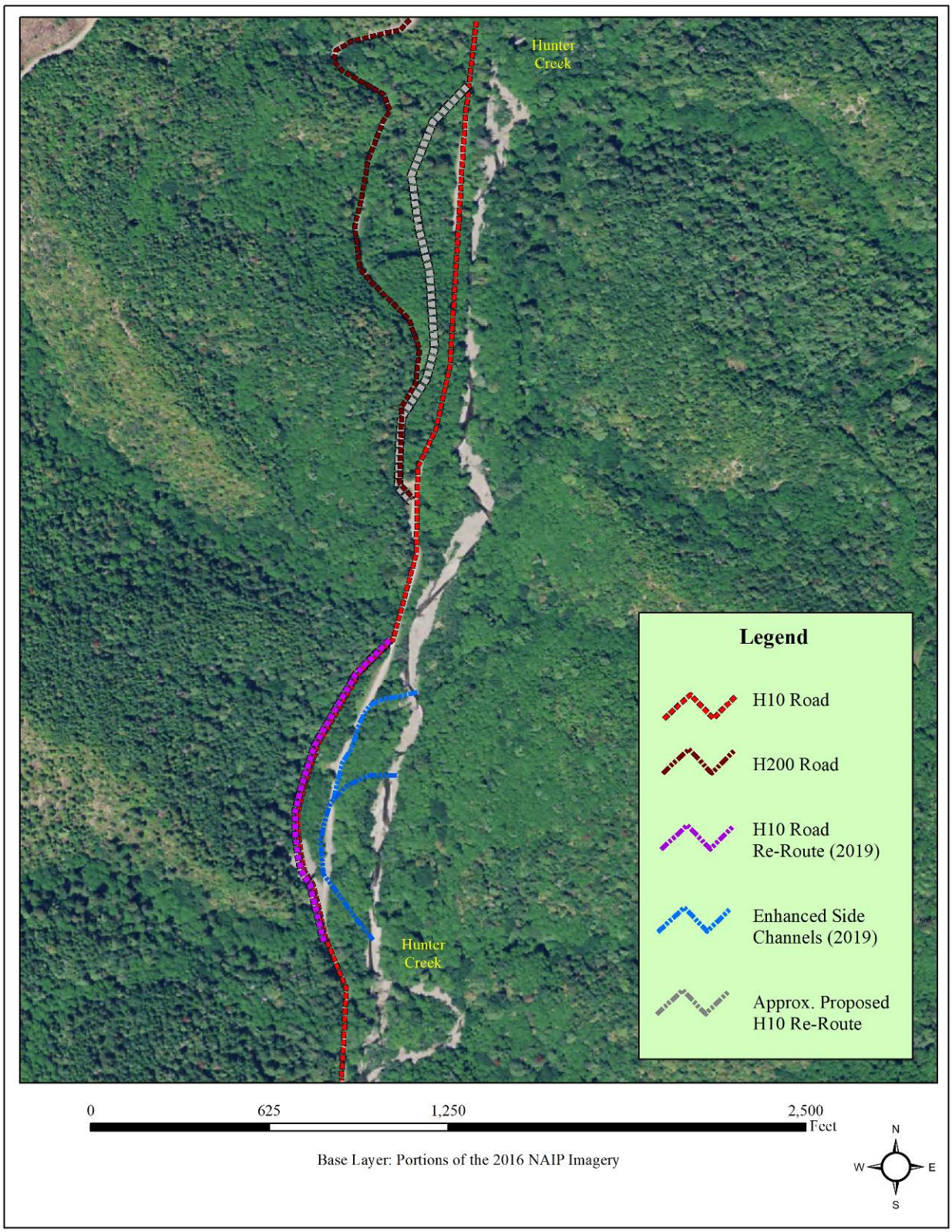

Figure 2. High resolution aerial image (2016 NAIP) depicting the proposed habitat enhancement project reach in Hunter Creek, Lower Klamath River, California (T14N, R1E, S 11 & 14, HBM).

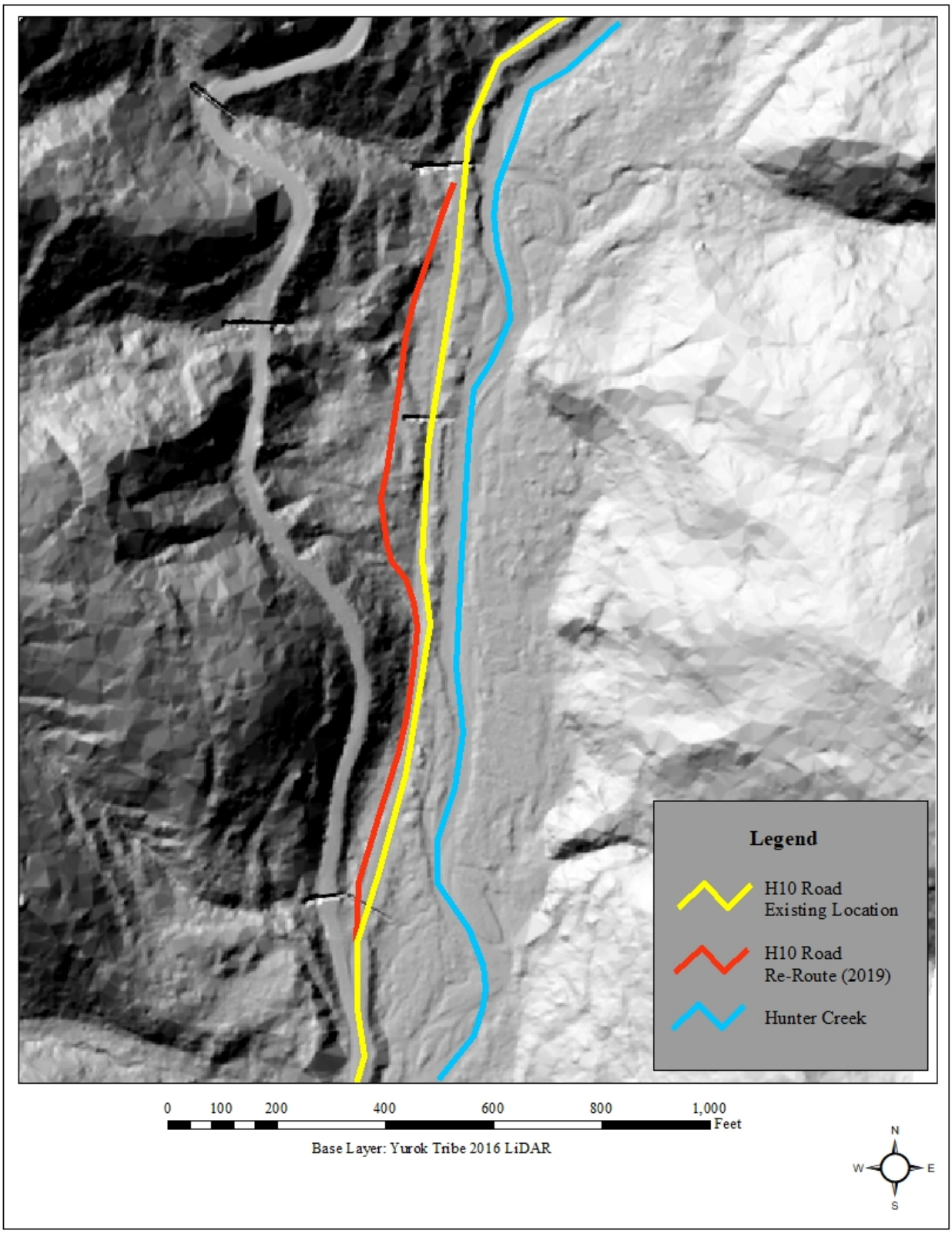

Figure 3. Existing conditions map for the proposed habitat enhancement project reach in Hunter Creek.

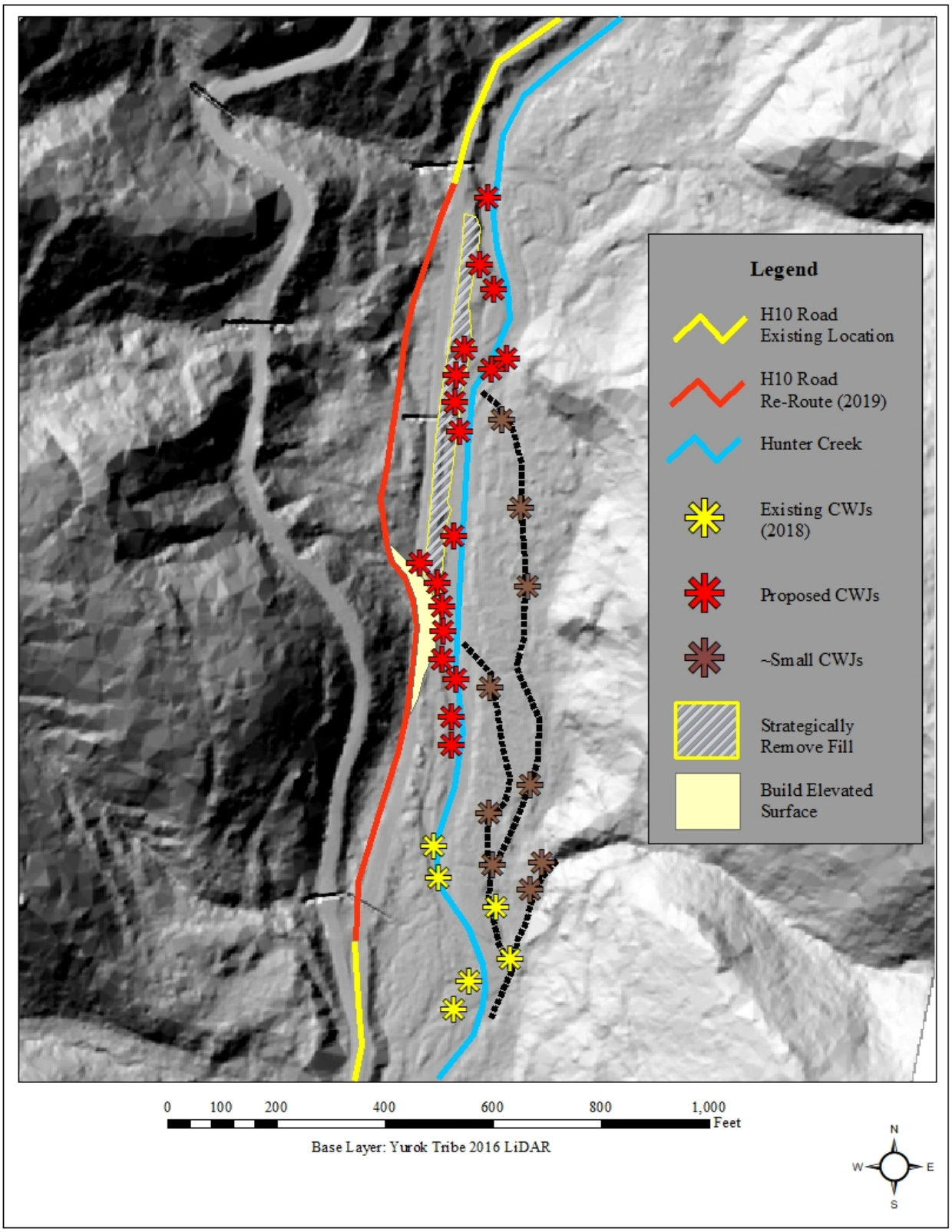

Figure 4. Proposed design for the project: Stream and Floodplain Enhancement of Hunter Creek: (2023).

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	5000/Dry Cr. Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Lower Cannon Creek		1109.300602
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	05.0N	02.0E	17
Road Name	5000		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 418068	**E :** 4518654	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** 5200 gallon plastic tank with upgraded intake valve. This tank draws from a smaller Class II watercourse adjacent to Dry Creek. The outlet drains out onto rock near the inlet of the crossing culvert.			
Preconsultation Completed?	YES					

Drafting Site Name	7010 Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Dry Creek		1109.300601
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	05.0N	02.0E	21
Road Name	7010		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 419454	**E :** 4517166	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** 5200 gallon plastic tank draws from a Class II watercourse above the 7010. The outflow goes into a small pond. The valve has been upgraded.			
Preconsultation Completed?	YES					

Drafting Site Name	A400 Bridge Draft Site		**Drafting Type**	Tank		
Watercourse Classification	1		**Calwater Watershed**	Ah Pah Creek		1801.020909
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	11.0N	02.0E	16
Road Name	CL-South		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 420144	**E :** 4576515	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** 10,000 gallon steel tank.			
Preconsultation Completed?	YES					

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	BL2000 Pond North		**Drafting Type**	Pond		
Watercourse Classification	2		**Calwater Watershed**	Maple Creek		1108.100003
Hydrologic Planning Area (HPA)	Coastal Lagoons		**Legal Description**	08.0N	02.0E	08
Road Name	BL2000		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 417772	**E :** 4549973	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Class II pond surface drafting site.			
Preconsultation Completed?	YES					

Drafting Site Name	BL2000 South Pond		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Maple Creek		1108.100003
Hydrologic Planning Area (HPA)	Coastal Lagoons		**Legal Description**	08.0N	02.0E	17
Road Name	BL2000		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 418975	**E :** 4547838	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Class II pond is approximately 50'x20' with a max depth of around 9'. The pond has a depth monitoring T-post installed.			
Preconsultation Completed?	YES					

Drafting Site Name	BL2000 Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Pitcher Creek		1108.100001
Hydrologic Planning Area (HPA)	Coastal Lagoons		**Legal Description**	09.0N	01.0E	27
Road Name	BL2000		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 412439	**E :** 4553720	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Tankcar tank all sealed up adjacent to bridge. Site drafts from a Class II watercourse with a fairly low gradient. At the intake, the channel is approximately 6'x2'. This site has an upgraded check valve on the intake.			
Preconsultation Completed?	YES					

2023 Annual Work Plan : Water Drafting Sites

Drafting Site Name	BL2641 Pond	
Watercourse Classification	2	
Hydrologic Planning Area (HPA)	Coastal Lagoons	
Road Name	BL2641	
Road Class	Permanent	
UTM	**N :** 412255	**E :** 4550590
Project Type	Class II	
Preconsultation Completed?	YES	

Drafting Type	Pond		
Calwater Watershed	Maple Creek		1108.100003
Legal Description	08.0N	02.0E	17
Drafting Timing	Summer Period		
Wildlife Restrictions	None		
Road Use Restrictions	None		

Site Type Description : Class II pond is approximately 100'x100' with a depth that could not be measured. The pond will have a monitoring T-post installed after a reasonable depth can be determined.

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Blue Slide Draft Site		**Drafting Type**	Stream		
Watercourse Classification	1		**Calwater Watershed**	Barry Ridge		1109.300405
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	04.0N	03.0E	18
Road Name	Blue Slide Camp Road		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 425658	**E :** 4509483	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Surface drafting site on Class I Mad River.			
Preconsultation Completed?	YES					

Drafting Site Name	C900 Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Lupton Creek		1107.200102
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	06.0N	03.0E	20
Road Name	C900		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 427643	**E :** 4526392	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** 5200 gallon plastic water tank on a Class II watercourse. This site has the upgraded check valve on the intake line. While the approaches of the crossing are rocked, the roads accessing this site are season roads. This site was amended onto and installed under a 1600 for GDRC# 270805 (1-08-042). 1600 is good until 06-05-2014.			
Preconsultation Completed?	YES					

Drafting Site Name	Chaparrall Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Boulder Creek		1109.300503
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	04.0N	03.0E	24
Road Name	BLDR4000		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 434084	**E :** 4507103	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** New drafting tank installed this year under GDRCO# 171005 -024.			
Preconsultation Completed?	YES					

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	CL South Pond		**Drafting Type**	Pond		
Watercourse Classification	2		**Calwater Watershed**	Ah Pah Creek		1105.110702
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	12.0N	02.0E	31
Road Name	CL South		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 417470	**E :** 4581396	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Class II pond above road runs down to road through PVC pipe to a truck hose.			
Preconsultation Completed?	YES					

Drafting Site Name	CL South Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Surpur Creek		1105.110704
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	11.0N	02.0E	09
Road Name	CL South		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 419791	**E :** 4579004	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Small steel tank with new valve. Meets all requirements.			
Preconsultation Completed?	YES					

Drafting Site Name	CR1000 Pond		**Drafting Type**	Pond		
Watercourse Classification	2		**Calwater Watershed**	McDonald Creek		1108.100002
Hydrologic Planning Area (HPA)	Coastal Lagoons		**Legal Description**	08.0N	01.0E	29
Road Name	CR1000		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 408819	**E :** 4545259	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Class II pond used for surface drafting in the past. Stake installed.			
Preconsultation Completed?	YES					

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	CR2000/2400 Pond		**Drafting Type**	Pond		
Watercourse Classification	2		**Calwater Watershed**	Lower South Fork		1108.200001
Hydrologic Planning Area (HPA)	Little River		**Legal Description**	08.0N	01.0E	26
Road Name	CR2000		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 413938	**E :** 4545030	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Class II pond at the CR2000 CR2400 junction used annually for surface drafting. T-post installed near overflow culvert.			
Preconsultation Completed?	YES					

Drafting Site Name	CR2000/3000 Draft Site		**Drafting Type**	Stream		
Watercourse Classification	1		**Calwater Watershed**	Lower South Fork		1108.200001
Hydrologic Planning Area (HPA)	Little River		**Legal Description**	07.0N	01.0E	03
Road Name	CR2000 spur		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 411653	**E :** 4542389	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Surface drafting from Little River. This site is just below a small island that separates flows. Channel dimensions are ~16'x4' during the summer.			
Preconsultation Completed?	YES					

Drafting Site Name	CR2900 Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Panther Creek		1107.200403
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	08.0N	02.0E	22
Road Name	CR2900		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 421192	**E :** 4546990	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** 5200 gallon plastic tank on a Class II tributary of Redwood Creek.			
Preconsultation Completed?	YES					

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GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	CR3000 Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Lower South Fork		1108.200001
Hydrologic Planning Area (HPA)	Little River		**Legal Description**	08.0N	01.0E	35
Road Name	CR3000		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 412755	**E :** 4542458	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Old double walled railroad tank car on Class II tributary to Little River. Site has upgraded valve and remained at sufficient flows throughout 2011.			
Preconsultation Completed?	YES					

Drafting Site Name	D1110/Ritmer Cr. Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Dominie Creek		1103.110004
Hydrologic Planning Area (HPA)	Smith River		**Legal Description**	18.0N	01.0W	14
Road Name	D1110		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 404482	**E :** 4644794	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Old diesel fuel tank now used for drafting from Class II Ritmer Creek. Site was covered under a pre-existing permit through 2011 but will now be under the MATO.			
Preconsultation Completed?	YES					

Drafting Site Name	Daugherty Lake Draft Site		**Drafting Type**	Pond		
Watercourse Classification	1		**Calwater Watershed**	Goodman Prairie Creek		1109.300404
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	04.0N	03.0E	27
Road Name	Daugherty Lake		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 429623	**E :** 4505937	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Surface drafting site on Daugherty Lake.			
Preconsultation Completed?	YES					

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Fernwood Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Noisy Creek		1107.300201
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	06.0N	03.0E	34
Road Name	Fernwood		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 429793	**E :** 4523559	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** 5200 gallon plastic tank on a Class II watercourse. This site has very strong flows. Throughout the entire 2010 season, this site did not require adjustments to the diversion rates as the intake was not capable of pulling more that 25% of the sourceflow. This site is covered under a pre-existing 1600 for GDRCo THP# 270804 which allows for 50% of source flow and a minimum			
Preconsultation Completed?	YES					

Drafting Site Name	Graham Creek lower tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**			
Hydrologic Planning Area (HPA)			**Legal Description**			
Road Name	Anderson Loop Rd		**Drafting Timing**			
Road Class	Seasonal		**Wildlife Restrictions**			
UTM	**N :** 430993	**E :** 4504517	**Road Use Restrictions**			
Project Type	Class II		**Site Type Description :** New drafting tank to be installed on Class II Graham Creek.			
Preconsultation Completed?	YES					
Fees Paid From Previous AWP						

Drafting Site Name	Graham Creek upper tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**			
Hydrologic Planning Area (HPA)			**Legal Description**			
Road Name	Millers Road		**Drafting Timing**			
Road Class	Seasonal		**Wildlife Restrictions**			
UTM	**N :** 433206	**E :** 4504988	**Road Use Restrictions**			
Project Type	Class II		**Site Type Description :** New drafting tank to be installed on Class II Graham Creek.			
Preconsultation Completed?	YES					

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	H10/Pig Cr. Draft Site		**Drafting Type**	Stream		
Watercourse Classification	1		**Calwater Watershed**	Upper West Fork Hunter Creek		1105.110802
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	14.0N	01.0E	11
Road Name	H10		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 413917	**E :** 4607469	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Class I surface drafting site on Hunter Creek. Access road may require further development prior to use.			
Preconsultation Completed?	YES					

Drafting Site Name	H100 Bridge Draft Site		**Drafting Type**	Stream		
Watercourse Classification	1		**Calwater Watershed**	Lower West Fork Hunter Creek		1105.110803
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	14.0N	01.0E	23
Road Name	H100		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 413760	**E :** 4605141	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Surface drafting site on Hunter Creek.			
Preconsultation Completed?	YES					

Drafting Site Name	H300 Pond		**Drafting Type**	Pond		
Watercourse Classification	2		**Calwater Watershed**	Upper West Fork Hunter Creek		1105.110802
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	15.0N	01.0E	34
Road Name	H300		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 411896	**E :** 4610510	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Existing pond on Class II watercourse drains through the road prism of the H300 by way of a 36" culvert. This site is a new site in GDRCo THP# 711001 and is intended to be a surface drafting site.			
Preconsultation Completed?	YES					

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GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	J80 Pond		**Drafting Type**	Pond	
Watercourse Classification	4		**Calwater Watershed**	Upper Roach Creek	1105.110306
Hydrologic Planning Area (HPA)	Interior Klamath		**Legal Description**	10.0N 02.0E	33
Road Name	J80		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	None	
UTM	**N :** 420050	**E :** 4563609	**Road Use Restrictions**	None	
Project Type	Class III		**Site Type Description :** Class II Spring-fed pond does not connect to a higher order watercourse.		
Preconsultation Completed?	YES				

Drafting Site Name	K&K 900 Tank		**Drafting Type**	Tank	
Watercourse Classification	2		**Calwater Watershed**	Panther Creek	1107.200403
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	08.0N 02.0E	25
Road Name	K&K		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	None	
UTM	**N :** 424861	**E :** 4545643	**Road Use Restrictions**	None	
Project Type	Class II		**Site Type Description :** 10,000 gallon plastic tank fed from a Class II watercourse. This site has a small pull through road installed in the crossing for water-trucks. The intake is just below a confluence. This is a very difficult location to obtain source flow due to channel separation and very course channel material. It is certain that any source flow measurements will be drastically undervalued. This site is covered under a pre-existing 1600 as part of GDRCo THP# 480801. This site was accidentally included in the 2011 AWP 1600.		
Preconsultation Completed?	YES				

Drafting Site Name	K&K LR Tank		**Drafting Type**	Tank	
Watercourse Classification	2		**Calwater Watershed**	Headwaters Little River	1108.200003
Hydrologic Planning Area (HPA)	Little River		**Legal Description**	07.0N 02.0E	14
Road Name	K&K		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	None	
UTM	**N :** 422597	**E :** 4538607	**Road Use Restrictions**	None	
Project Type	Class II		**Site Type Description :** Large steel tank down on loop road. The 2" intake is sourced just below a small waterfall. There is a hinged steel plate covering the access hole. Several holes in top of tank. There are two 2" threaded female holes, one 4" threaded female hole, and two torch cut holes near the ladder which are marginally fisher sized. The two 2" holes and the 4" hole were all fitted with threaded end caps. The torch cut hole was covered with flash and PAT fasteners.		
Preconsultation Completed?	YES				

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GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	K&K/Mule Cr. Pond		**Drafting Type**	Pond	
Watercourse Classification	1		**Calwater Watershed**	Denman Creek	1109.200001
Hydrologic Planning Area (HPA)	North Fork Mad River		**Legal Description**	06.0N 02.0E	03
Road Name	K&K		**Drafting Timing**	Summer Period	
Road Class	Seasonal		**Wildlife Restrictions**	None	
UTM	**N :** 421311	**E :** 4532297	**Road Use Restrictions**	None	
Project Type	Class I		**Site Type Description :** Pond too deep for stake. Surface drafting site from pond. Access road down to drafting site from K&K is seasonal.		
Preconsultation Completed?	YES				

Drafting Site Name	K&K/NF1000 Draft Site		**Drafting Type**	Stream	
Watercourse Classification	1		**Calwater Watershed**	Canyon Creek	1109.200005
Hydrologic Planning Area (HPA)	North Fork Mad River		**Legal Description**	07.0N 02.0E	28
Road Name	K&K		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	None	
UTM	**N :** 420167	**E :** 4535004	**Road Use Restrictions**	None	
Project Type	Class I		**Site Type Description :** Surface drafting from Class I North Fork Mad River just below the NF1000 bridge.		
Preconsultation Completed?	YES				

Drafting Site Name	Mad River Hatchery		**Drafting Type**	Stream	
Watercourse Classification	1		**Calwater Watershed**	Powers Creek	1109.100104
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	06.0N 02.0E	31
Road Name	Hatchery Road		**Drafting Timing**	Summer Period	
Road Class	Seasonal		**Wildlife Restrictions**	None	
UTM	**N :** 416860	**E :** 4523693	**Road Use Restrictions**	None	
Project Type	Class I		**Site Type Description :** Surface drafting site on Class I Mad River just below the hatchery.		
Preconsultation Completed?	YES				

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GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Klamath Mill Pond	
Watercourse Classification	2	
Hydrologic Planning Area (HPA)	Coastal Klamath	
Road Name	T-10.025R	
Road Class	Permanent	
UTM	**N :** 414485	**E :** 4597766
Project Type	Class II	
Preconsultation Completed?	YES	

Drafting Type	Pond		
Calwater Watershed	Hoppaw Creek		1105.11804
Legal Description	T13N, R1E	Sec. 11	HBM
Drafting Timing	Summer Period		
Wildlife Restrictions	None		
Road Use Restrictions	Permanent		

Site Type Description : Class II surface draft site. Pond is approx. 3 acres in size and an average maximum depth of 8 feet. This pond has is not hydrologically connected to any watercourse.

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GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Miller's Road Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Goodman Prairie Creek		1109.300404
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	04.0N	03.0E	23
Road Name	171003TA3		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 430982	**E :** 4506839	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** New tank installed under GDRCo THP# 171003.			
Preconsultation Completed?	YES					

Drafting Site Name	Old-299 Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Long Prairie Creek		1109.200002
Hydrologic Planning Area (HPA)	North Fork Mad River		**Legal Description**	06.0N	03.0E	08
Road Name	Old 299		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 426613	**E :** 4530149	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** 10,000 gallon plastic water tank draws from a Class II watercourse along the Old 299. Very course bedload, channel debris, and channel separation make it difficult to obtain good sourceflow measurements. This site is covered under a previously existing 1600 permit (260801) and not under the MATO.			
Preconsultation Completed?	YES					

Drafting Site Name	R120 Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Upper Roach Creek		1105.110306
Hydrologic Planning Area (HPA)	Interior Klamath		**Legal Description**	09.0N	02.0E	03
Road Name	R120		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 421133	**E :** 4561557	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** This tank is the "Coors" tank (painted to look like a coors can). Tank drafts from Class II watercourse to right. This site does not yet have an upgraded valve.			
Preconsultation Completed?	YES					

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Ribar Pond		**Drafting Type**	Pond	
Watercourse Classification	2		**Calwater Watershed**	Squaw Creek	1109.100105
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	07.0N 02.0E	31
Road Name	Ribar Road		**Drafting Timing**	Summer Period	
Road Class	Seasonal		**Wildlife Restrictions**	None	
UTM	**N :** 416847	**E :** 4533528	**Road Use Restrictions**	None	
Project Type	Class II		**Site Type Description :** A small Class II pond at the edge of Ribar Road located at a switchback intersection. Pond is full and drains though a culvert crossing. There is not yet a T-post installed. This site is covered under a pre-existing 1600 from GDRCo THP# 380802 pt 9.		
Preconsultation Completed?	YES				

Drafting Site Name	Ribar Tank		**Drafting Type**	Tank	
Watercourse Classification	2		**Calwater Watershed**	Squaw Creek	1109.100105
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	07.0N 02.0E	31
Road Name	Ribar Road		**Drafting Timing**	Summer Period	
Road Class	Seasonal		**Wildlife Restrictions**	None	
UTM	**N :** 416490	**E :** 4532800	**Road Use Restrictions**	None	
Project Type	Class II		**Site Type Description :** New 5200 gallon plastic water tank on a Class II watercourse. The intake is a long ways up the channel and will likely be capable a diverting a lot of water and thus require rate adjustments. This site is under a pre-existing 1600 associated with 380802 Pt: RP-08 1-09-049H. This site was accidentally included in the 2011 AWP 1600.		
Preconsultation Completed?	YES				

Drafting Site Name	Roddiscraft Pond (1 mile)		**Drafting Type**	Pond	
Watercourse Classification	2		**Calwater Watershed**	Bradford Creek	1107.300101
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	04.0N 04.0E	06
Road Name	Roddiscraft Road		**Drafting Timing**	Summer Period	
Road Class	Seasonal		**Wildlife Restrictions**	None	
UTM	**N :** 434604	**E :** 4512924	**Road Use Restrictions**	None	
Project Type	Class II		**Site Type Description :** A small pond near the 1 mile marker.		
Preconsultation Completed?	YES				

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Roddiscraft Pond (2.8 mile)		**Drafting Type**	Pond		
Watercourse Classification	2		**Calwater Watershed**	Twin Lakes Creek		1107.300103
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	04.0N	04.0E	05
Road Name	Roddiscraft Road		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 437231	**E :** 4511857	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Small Class II pond adjacent to a Class II watercourse.			
Preconsultation Completed?	YES					

Drafting Site Name	Roddiscraft South Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Twin Lakes Creek		1107.300103
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	04.0N	04.0E	09
Road Name	Roddiscraft		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 437402	**E :** 4510962	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** New drafting tank to be installed at recently replaced crossing site on a Class II watercourse. This tank is covered under a pre-existing 1600 permit for 01-08-056 which is permitted for a maximum of 50% diversion rate. This site was accidentally included in the 2011 AWP 1600.			
Preconsultation Completed?	YES					

Drafting Site Name	Roddiscraft Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Bradford Creek		1107.300101
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	04.0N	04.0E	05
Road Name	Roddiscraft Road		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 436354	**E :** 4512602	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** This tank was installed on the 19th and is covered under a pre-existing 1600 permit for 01-08-056 which is permitted for a maximum of 50% diversion rate with a minimum flow cut-off of 0.0125 cfs.			
Preconsultation Completed?	YES					

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Rowdy Cr. Draft Site		**Drafting Type**	Stream		
Watercourse Classification	1		**Calwater Watershed**	Lower Rowdy Creek		1103.120001
Hydrologic Planning Area (HPA)	Smith River		**Legal Description**	18.0N	01.0E	19
Road Name	R1000		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 408996	**E :** 4643814	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Surface drafting site on Class I Rowdy Creek. The channel at this location is approximately 50 feet wide. There is a small, rocked access road that leads down from the R1000 to the drafting site.			
Preconsultation Completed?	YES					

Drafting Site Name	Snow Camp Lake Draft Site		**Drafting Type**	Pond		
Watercourse Classification	1		**Calwater Watershed**	Twin Lakes Creek		1107.300103
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	04.0N	04.0E	08
Road Name	SC2440		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 435840	**E :** 4511262	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Surface drafting site on the north side of Class I Snow Camp Lake. This site is covered under 180701 1-08-056H			
Preconsultation Completed?	YES					

Drafting Site Name	T100 Bridge Tank		**Drafting Type**	Tank		
Watercourse Classification	2		**Calwater Watershed**	Upper Tectah Creek		1105.110405
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	11.0N	02.0E	33
Road Name	T100		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 420496	**E :** 4572210	**Road Use Restrictions**	None		
Project Type	Class II		**Site Type Description :** Class II drafting tank on the left side of the channel. This site does not yet have an upgraded valve.			
Preconsultation Completed?	YES					

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Vic's Lake Draft Site		**Drafting Type**	Pond	
Watercourse Classification	1		**Calwater Watershed**	Goodman Prairie Creek	1109.300404
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	04.0N 03.0E	15
Road Name	Millers Road		**Drafting Timing**	Summer Period	
Road Class	Seasonal		**Wildlife Restrictions**	None	
UTM	**N :** 429567	**E :** 4509003	**Road Use Restrictions**	None	
Project Type	Class I		**Site Type Description :** Surface drafting site on Class I Vic's Lake.		
Preconsultation Completed?	YES				

Drafting Site Name	Wiregrass East Tank		**Drafting Type**	Tank	
Watercourse Classification	2		**Calwater Watershed**		
Hydrologic Planning Area (HPA)			**Legal Description**		
Road Name	WG700		**Drafting Timing**	Summer Period	
Road Class	Seasonal		**Wildlife Restrictions**	None	
UTM	**N :** 426535	**E :** 4538683	**Road Use Restrictions**	None	
Project Type	Class II		**Site Type Description :** Newer plastic 5200 gallon plastic tank adjacent to rusty railcar bridge and a good flowing watercourse. Tank is totally sealed off and currently empty. Gate valve on outlet is stuck shut. Valve has not yet been upgraded.		
Preconsultation Completed?	YES				

Drafting Site Name	Wiregrass Pond		**Drafting Type**	Pond	
Watercourse Classification	2		**Calwater Watershed**	Long Prairie Creek	1109.200002
Hydrologic Planning Area (HPA)	North Fork Mad River		**Legal Description**	07.0N 03.0E	32
Road Name	Wiregrass		**Drafting Timing**	Summer Period	
Road Class	Seasonal		**Wildlife Restrictions**	None	
UTM	**N :** 427124	**E :** 4533743	**Road Use Restrictions**	None	
Project Type	Class II		**Site Type Description :** A small Class II pond just below Wiregrass Road. The channel above the pond does not extend up to the road.		
Preconsultation Completed?	YES				

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GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Wiregrass West Tank	
Watercourse Classification	2	
Hydrologic Planning Area (HPA)	Redwood Creek	
Road Name	WG1030	
Road Class	Seasonal	
UTM	**N :** 425138	**E :** 4537468
Project Type	Class II	
Preconsultation Completed?	YES	

Drafting Type	Tank		
Calwater Watershed	Toss-up Creek		1107.200302
Legal Description	07.0N	02.0E	24
Drafting Timing	Summer Period		
Wildlife Restrictions	None		
Road Use Restrictions	None		

Site Type Description : Water tank yet to be installed as part of GDRCo THP# 441101 on Class II watercourse.

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Drafting Site Name	4510/Mad River		**Drafting Type**	Stream		
Watercourse Classification	1		**Calwater Watershed**	Dry Creek		1109.300601
Hydrologic Planning Area (HPA)	Mad River		**Legal Description**	05.0N	02.0E	14
Road Name	6100		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 422492	**E :** 4518249	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Surface drafting site from Class I Mad River. This site was included in the 2014 Annual Work Plan but is proposed for revisions. In order to access the Mad River on the north side a temporary crossing shall be installed on Simpson Creek, a Class I watercourse. Fish exclusion will be performed prior to installation according to MATO and AHCP measures.			
Preconsultation Completed?	NO					

Drafting Site Name	Camp Bauer		**Drafting Type**	Stream		
Watercourse Classification	1		**Calwater Watershed**	Lower Mad River		1801.010203
Hydrologic Planning Area (HPA)	North Fork Mad River		**Legal Description**	06.0N	02.0E	28
Road Name	MR-3010		**Drafting Timing**	Summer		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 420298	**E :** 4525758	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Surface drafting from the North Fork Mad River, a Class I watercourse.			
Preconsultation Completed?	NO					

Drafting Site Name	Canon Creek		**Drafting Type**	Stream		
Watercourse Classification	1		**Calwater Watershed**	Lower Mad River		1801.010203
Hydrologic Planning Area (HPA)	North Fork Mad River		**Legal Description**	07.0N	03.0E	32
Road Name	Mad River		**Drafting Timing**	Summer Period		
Road Class	Permanent		**Wildlife Restrictions**	None		
UTM	**N :** 422688	**E :** 4520825	**Road Use Restrictions**	None		
Project Type	Class I		**Site Type Description :** Surface drafting from Canon Creek, a Class I watercourse. The approaches to this site will need to be constructed and rocked prior to use.			
Preconsultation Completed?	NO					

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GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	H-10/H-400 Draft Site		**Drafting Type**	Stream	
Watercourse Classification	1		**Calwater Watershed**	Turwar Creek	1801.020911
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	14.0N 01.0E	02
Road Name	H-10.93R		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	None	
UTM	**N :** 414797	**E :** 4609603	**Road Use Restrictions**	None	
Project Type	Class I		**Site Type Description :** Surface drafting from Hunter Creek, a Class I watercourse. Approaches are rocked and in stable condition.		
Preconsultation Completed?	NO				

Drafting Site Name	H-410 Tank		**Drafting Type**	Tank	
Watercourse Classification	2		**Calwater Watershed**	Turwar Creek	1801.020911
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	14.0N 01.0E	02
Road Name	H-410		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	None	
UTM	**N :** 413708	**E :** 4609786	**Road Use Restrictions**	None	
Project Type	Class II		**Site Type Description :** 5,000 gallon plastic tank on an unnamed Class II watercourse. Tank will be installed in May of 2015.		
Preconsultation Completed?	NO				

Drafting Site Name	Korbel Mill		**Drafting Type**	Surface	
Watercourse Classification	1		**Calwater Watershed**	Lower Mad River	1801.010203
Hydrologic Planning Area (HPA)	North Fork Mad River		**Legal Description**	06.0N 02.0E	06.0N
Road Name	Korbel Mill 14		**Drafting Timing**	Summer Period	
Road Class	Permanentr		**Wildlife Restrictions**	None	
UTM	**N :** 420221	**E :** 4525533	**Road Use Restrictions**	None	
Project Type	Class I		**Site Type Description :** Surface drafting from the North Fork Mad River, a Class I watercourse. Approaches are rocked and in stable condition.		
Preconsultation Completed?	NO				

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Drafting Site Name	T-170 Surface Draft	
Watercourse Classification	1	
Hydrologic Planning Area (HPA)	Coastal Klamath	
Road Name	TT-170	
Road Class	Permanent	
UTM	**N :** 419227	**E :** 4568440
Project Type	Class I	
Preconsultation Completed?	NO	

Drafting Type	Stream		
Calwater Watershed	Ah Pah Creek		1801.020909
Legal Description	10.0N	02.0E	17
Drafting Timing	Summer Period		
Wildlife Restrictions	None		
Road Use Restrictions	None		
Site Type Description : Surface drafting from Tectah Creek, a Class I watercourse. Approaches are rocked and in stable condition.			

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Drafting Site Name	Wiggins North Drafting Tanks	
Watercourse Classification	II	
Hydrologic Planning Area (HPA)	Mad River	
Road Name	SC-1660	
Road Class	Seasonal	
UTM	**N :** 431855	**E : 4513718**
Project Type	Class II	
Preconsultation Completed?	NO	

Drafting Type	Tank		
Calwater Watershed	Maple Creek		1109.300501
Legal Description	05.0N	03.0E	35
Drafting Timing	Summer Period		
Wildlife Restrictions	None		
Road Use Restrictions	None		
Site Type Description : Drafting via two 5,000 gallon plastic water tanks from the headwaters of Maple Creek, a Class II watercourse.			

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Drafting Site Name	Klamath Ah Pah Draft	
Watercourse Classification	I	
Hydrologic Planning Area (HPA)	Lower Klamath River	
Road Name	CL-1875	
Road Class	Permanent	
UTM	**N :** 421808	**E : 4584495**
Project Type	Class I	
Preconsultation Completed?	NO	

Drafting Type	Direct Draft		
Calwater Watershed	Ah Pah Creek		1105.110707
Legal Description	05.0N	03.0E	35
Drafting Timing	Summer Period		
Wildlife Restrictions	None		
Road Use Restrictions	None		
Site Type Description : Surface drafting from the Klamath River, a Class I watercourse.			

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GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	Sproul Creek Barn Pond		**Drafting Type**	Pond	
Watercourse Classification	IV		**Calwater Watershed**	Lower Sproul Creek	1111.320701
Hydrologic Planning Area (HPA)	Non-AHCP Area		**Legal Description**	5S 3E	04
Road Name	SP-1001		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	Potential NSO Seasonal Road Use Restrictions, Check with Wildlife Dept.	
UTM	**N :** 428176	**E :** 4434608	**Road Use Restrictions**	None	
Project Type	Class II/III		**Site Type Description:** Constructed oval-shaped pond (75' by 45') sourced by adjacent low-flow spring. The pond was constructed by the previous landowner and has not been utilized in the last two years. At time of permitting (June 2020) the pond is half full and may provide habitat for pond turtles. The pond will be staked by staff herpetologists to determine minimum allowable depth for drafting.		
Pre-consultation Completed?	NO				

Drafting Site Name	LaDoo Creek Tank		**Drafting Type**	Tank	
Watercourse Classification	II		**Calwater Watershed**	Upper Sproul Creek	1111.320703
Hydrologic Planning Area (HPA)	Non-AHCP Area		**Legal Description**	5S 2E	12
Road Name	SP-1000		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	None	
UTM	**N :** 423631	**E :** 4432912	**Road Use Restrictions**	None	
Project Type	Class II/III		**Site Type Description:** 10,000 gallon tank buried adjacent to watercourse and road. Water line is nearly complete. At time of permitting (June 24, 2020) the watercourse measured 435 gallons per minute.		
Pre-consultation Completed?	NO				

Drafting Site Name	U-10 Tank		**Drafting Type**	Tank	
Watercourse Classification	I		**Calwater Watershed**	Upper Turwar Creek	1105.110808
Hydrologic Planning Area (HPA)	Coastal Klamath		**Legal Description**	14N 2E	33
Road Name	U-10		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	None	
UTM	**N :** 419744	**E :** 4601873	**Road Use Restrictions**	None	
Project Type	Class I		**Site Type Description:** 10,000 gallon tank moved from an existing site at Arrow Mills (formerly Arrow Mills Tank) with gravity-fed water line on East Fork Terwer Creek, a Class I watercourse.		
Pre-consultation Completed?	NO				

2023 Annual Work Plan: Water Drafting Sites

GREEN DIAMOND RESOURCE COMPANY

Drafting Site Name	High Prairie Tank		**Drafting Type**	Tank		
Watercourse Classification	II		**Calwater Watershed**	Noisy Creek		1107.300201
Hydrologic Planning Area (HPA)	Redwood Creek		**Legal Description**	5N	3E	11
Road Name	High Prairie-100		**Drafting Timing**	Summer Period		
Road Class	Seasonal		**Wildlife Restrictions**	None		
UTM	**N :** 431288	**E :** 4520998	**Road Use Restrictions**	None		
Project Type	Class II/III		**Site Type Description:** Gravity-fed 10,000 gallon steel tank on a tributary to Noisy Creek.			
Pre-consultation Completed?	NO					

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Drafting Site Name	Elk Creek Draft Site		**Drafting Type**	Direct	
Watercourse Classification	1		**Calwater Watershed**	Elk Creek	1102.200302
Hydrologic Planning Area (HPA)	Non-AHCP Area		**Legal Description**	18.0N 04.0E	2
Road Name	MT-10		**Drafting Timing**	Summer Period	
Road Class	Permanent		**Wildlife Restrictions**	None	
UTM	**N :** 441918	**E :** 4648048	**Road Use Restrictions**	None	
Project Type	Class I		**Site Type Description :** Class I direct draft site at existing heavy equipment wet crossing (as permitted) on Elk Creek within the Moore Tract which is an area outside the AHCP plan area.		
Preconsultation Completed?	YES				