

ORDER R1-2012-0087
WASTE DISCHARGE REQUIREMENTS
FOR
DISCHARGES RELATED TO GREEN DIAMOND RESOURCE COMPANY'S FOREST
MANAGEMENT ACTIVITIES CONDUCTED WITHIN
THE AREA COVERED BY ITS AQUATIC HABITAT CONSERVATION PLAN
IN THE
NORTH COAST REGION
HUMBOLDT AND DEL NORTE COUNTIES

TABLE OF CONTENTS

I.	FINDINGS	1
II.	SPECIFIC CONDITIONS	11
III.	SPECIFIC CONDITIONS FOR THE SOUTH FORK ELK RIVER WATERSHED	13
IV.	GENERAL CONDITIONS	14
V.	RESCISSION AND DENIAL OF COVERAGE	16
VI.	401 CERTIFICATION FOR IN-STREAM RESTORATION PROJECTS	16

LIST OF ATTACHMENTS

- Attachment A – Map
- Attachment B – Monitoring and Reporting Program
- Attachment C – South Fork Elk River Management Plan
- Attachment D – Final Certification Notice
- Attachment E – CEQA Findings

I. FINDINGS

The California Regional Water Quality Control Board, North Coast Region (hereinafter Regional Water Board), *finds*:

1. On February 16, 2012, pursuant to Water Code section 13260(a), Green Diamond Resource Company (Green Diamond) submitted a draft report of waste discharge (ROWD) to the North Coast Regional Water Quality Control Board (Regional Water Board) for discharges related to its forest management activities that occur within the area covered by its Aquatic Habitat Conservation Plan (AHCP) and Master Agreement for Timber Operations (MATO). The AHCP and MATO contain management measures that minimize impacts and protect and improve water quality that the Regional Water Board intends to rely on, in part, and in conjunction with existing regulations in order

to implement Basin Plan water quality standards and restore the beneficial uses of water across Green Diamond's ownership. This approach will result in greater consistency across multiple state and federal agencies, streamline paperwork submittals, and promote landscape-based stewardship of water quality.

2. The project area covered by this Order includes all commercial timberland acreage on the west slopes of the Klamath Mountains and the Coast Range of California in Del Norte and Humboldt counties where Green Diamond owns land or harvesting rights that are covered by the AHCP. This area is currently 384,400 acres, and is subject to adjustment as Green Diamond buys and sells property. This area is located in portions of the following watersheds: Smith River, Lower Klamath River, Redwood Creek, Maple Creek, Little River, Mad River, Jacoby Creek, Freshwater Creek, Elk River, Salmon Creek, and the Eel River.
3. The ROWD was deemed complete on July 26, 2012. The ROWD includes a description of the forest management activities currently conducted pursuant to the AHCP, which are subject to various state and federal regulations.
4. This Order is intended to complement Order R1-2010-0044 *Waste Discharge Requirements for Discharges Related to Road Management and Maintenance Activities Conducted Pursuant to the Green Diamond Resource Company Aquatic Habitat Conservation Plan in the North Coast Region* (Roads WDR), which together provide complete, programmatic, ownership-wide waste discharge coverage to Green Diamond for the project area.
5. Management activities to be covered by this Order are as follows:
 - **Timber Product Harvest**
 - Felling and bucking timber
 - Yarding timber (ground-based, cable, aerial)
 - Loading and other landing operations
 - Landing construction and maintenance
 - Salvaging timber products
 - Transporting timber and rock products
 - Road construction and reconstruction¹
 - General road use¹
 - Rock pit construction and use
 - Water drafting
 - Equipment maintenance
 - **Silvicultural Regimes and Methods**
 - Regeneration harvest (clearcut)
 - Commercial thinning
 - Other silvicultural methods include single tree selection, group selection, seed tree, and shelterwood
 - **Timber Stand Regeneration and Improvement**
 - Site preparation, prescribed burning, and slash treatment

¹ This management activity may be migrated into Order R1-2010-0044, the Roads WDR, at a later date.

Planting

Vegetation management (mechanical cutting and chipping, (herbicides not covered))

Pre-commercial thinning (cutting trees, sawing or chipping rows or groups, pruning – material left on site)

- **Minor Forest Product Harvest**

Burls, stumps, boughs, and greenery

- **In-stream and Riparian Restoration**

Improving in-channel habitat (altering the local channel morphology by placing objects such as logs, root wads, and boulders in or adjacent to the stream channel that provide or create additional habitat complexity, structure, or cover)

Improving riparian habitat (providing bank stability and future recruitment of wood and shade canopy to the stream)

- **Mitigation Measures**

Management measures designed to control potential discharges and minimize impacts associated with the activities listed above

Waste Discharge Requirements

6. Water Code section 13260(a) requires that any person discharging waste or proposing to discharge waste within any region that could affect the quality of the waters of the state, other than into a community sewer system, must file with the appropriate Regional Water Board a ROWD containing such information and data as may be required.
7. Under Water Code section 13263, the Regional Water Board shall prescribe requirements as to the nature of any proposed or existing discharge with relation to the receiving water conditions. Requirements shall implement any relevant Water Quality Control Plan requirements and take into consideration beneficial uses and objectives reasonably required to protect such uses, and other relevant factors.
8. This Order sets out waste discharge requirements (WDRs) for non-point source management activities described in finding 5, that have the potential to discharge wastes that affect waters of the state from only those portions of Green Diamond's ownership covered by its Aquatic Habitat Conservation Plan (AHCP). The potential water quality impacts are primarily associated with erosion, sediment delivery, and/or changes to riparian systems that may reduce shade and affect water temperatures. The Order includes conditions that prevent or minimize sediment discharges and that limit harvesting adjacent to streams.

Basin Plan

9. The beneficial uses and water quality objectives for the watersheds in the coverage area are contained in the Water Quality Control Plan for the North Coast Region (Basin Plan). The primary beneficial uses of concern for this Order are the cold freshwater habitat (COLD), spawning, reproduction, and/or early development (SPWN), migration of aquatic organisms (MIGR), and rare, threatened, or endangered species (RARE). Green Diamond's AHCP was designed to conserve habitat for and mitigate impacts to the

aquatic species that are most sensitive to elevated sediment and temperature conditions. Evidence of salmon population declines is contained in the listing of all the major species under the Endangered Species Act by the National Marine Fisheries Service and the California Endangered Species Act by the Department of Fish and Game. Salmon populations are listed by distinct population segments, or evolutionarily significant units. The listings that apply to the watersheds in the project area are as follows:

Species Common Name, <i>Scientific Name</i>	Federal Listing Status	State Listing Status
Chinook salmon, <i>Oncorhynchus tshawytscha</i> California Coastal evolutionarily significant unit (ESU) Southern Oregon and Northern California Coastal ESU Upper Klamath/Trinity Rivers ESU	Threatened None None	None None None
Coho salmon, <i>Oncorhynchus kisutch</i> Southern Oregon/Northern California Coast ESU	Threatened	Threatened
Steelhead, <i>Oncorhynchus mykiss</i> Northern California distinct population segment Klamath Mountains Province ESU	Threatened None	None None
Resident rainbow trout, <i>Oncorhynchus mykiss</i>	None	None
Coastal cutthroat trout, <i>Oncorhynchus clarki clarki</i>	None	Concern
Tailed frog, <i>Ascaphus truei</i>	None	Concern
Southern torrent salamander, <i>Rhyacotriton variegatus</i>	None	Concern

10. Pursuant to the Basin Plan, the existing and potential beneficial uses of waters that could be affected by the proposed activities include:

- a. Municipal and Domestic Supply (MUN)
- b. Agricultural Supply (AGR)
- c. Industrial Service Supply (IND)
- d. Industrial Process Supply (PROC)
- e. Groundwater Recharge (GWR)
- f. Freshwater Replenishment (FRSH)
- g. Navigation (NAV)
- h. Hydropower Generation (POW)
- i. Water Contact Recreation (REC-1)
- j. Non-contact Water Recreation (REC-2)
- k. Commercial and Sport Fishing (COMM)
- l. Aquaculture (AQUA)
- m. Warm Freshwater Habitat (WARM)
- n. Cold Freshwater Habitat (COLD)
- o. Estuarine Habitat (EST)
- p. Marine Habitat (MAR)
- q. Wildlife habitat (WILD)
- r. Preservation of Areas of Special Biological Significance (BIOL)
- s. Rare, Threatened, or Endangered Species (RARE)
- t. Migration of Aquatic Organisms (MIGR)
- u. Spawning, Reproduction, and/or Early Development (SPWN)
- v. Shellfish Harvesting (SHELL)
- w. Native American Culture (CUL)
- x. Flood Peak Attenuation/Flood Water Storage (FLD)
- y. Wetland Habitat (WET)
- z. Water Quality Enhancement (WQE)
- aa. Subsistence Fishing (FISH)

The Basin Plan contains water quality objectives developed to protect the above-listed beneficial uses of water. Economic considerations were evaluated as required by law

during the development of these objectives. Conditions, prohibitions, and provisions contained in this Order implement these previously developed water quality objectives. Compliance with water quality standards will protect these beneficial uses.

Total Maximum Daily Loads

11. A number of the watersheds in Green Diamond's AHCP ownership are listed as impaired on the Clean Water Act section 303(d) list:
 - Lower Klamath River—sediment/siltation, temperature, nutrients, dissolved oxygen
 - Redwood Creek—sediment/siltation, temperature
 - Mad River—sediment/siltation, turbidity, temperature
 - Jacoby Creek--sediment
 - Freshwater Creek—sediment/siltation
 - Elk River—sediment/siltation
 - Lower Eel River—sediment/siltation
 - Van Duzen River—sediment/siltation
12. Placement on the 303(d) list generally triggers development of a pollution control plan called a Total Maximum Daily Load (TMDL) for each waterbody and associated pollutant/stressor on the list. TMDLs have been established for the following hydrographic areas and pollutants on Green Diamond's ownership:
 - Lower Klamath River—sediment/siltation, temperature, nutrients, dissolved oxygen
 - Redwood Creek—sediment/siltation, temperature
 - Mad River—sediment/siltation, turbidity
 - Van Duzen River—sediment/siltation
 - Lower Eel River—sediment/siltation, temperature
13. The 2004 Sediment TMDL Implementation Policy (Resolution R1-2004-0087) and Temperature Policy (Resolution R1-2012-0013) provide for the control of sediment and temperature pollution by using existing permitting and enforcement tools where possible and support the combination of TMDL requirements with region-wide nonpoint source programs for efficiency and to avoid duplicative regulation. The Regional Water Board Staff Work Plan to Control Excess Sediment in Sediment-Impaired directs staff to develop ownership-wide WDRs regionally, and specifically to develop ownership-wide WDRs for Green Diamond in those watersheds in which Green Diamond operates, as a key task to comprehensively control excess sediment. The Staff Report for the Klamath River TMDLs recognizes the Green Diamond AHCP as establishing a solid framework for Klamath River TMDL compliance because of its stringent water quality protections (Chapter 6-Implementation, 6.5.5.4).
14. Implementation measures for achieving recovery of watersheds impaired for sediment and temperature are similar for watersheds throughout the North Coast Region and include management practices, riparian buffers and inventory and cleanup of legacy sediment sites. As described in more detail below under Applicable Regulatory Programs, the AHCP and MATO and Roads WDR include these elements, as well as monitoring provisions necessary for TMDL compliance.
15. The conditions of this Order, CEQA mitigations, and the required management are expected to achieve TMDL load allocations and recover impaired watersheds. The

Regional Water Board considers this Order to constitute TMDL implementation for the 303(d) listed and TMDL watersheds in which Green Diamond conducts covered management activities.

Elk River

16. Green Diamond owns and/or conducts timber harvesting activities on approximately 1,900 acres (15%) of the 12,442-acre South Fork Elk River watershed. Green Diamond's ownership in the South Fork Elk River watershed is located in the tributaries McCloud Creek, Tom Gulch, and Railroad Gulch. The South Fork is one of the two major tributaries of Elk River, the other being the North Fork Elk River. The Elk River is located southeast of Eureka and flows into Humboldt Bay.
17. The Elk River watershed is listed as an impaired water body under section 303(d) of the Clean Water Act due to sedimentation/siltation. Increased rate and depth of flooding due to sediment has caused impacts to spawning habitat, water supplies and other property damage in this unique and sensitive watershed.
18. Since 2006, Green Diamond has operated in the South Fork Elk River Watershed under Waste Discharge Requirements through Resolution R1-2006-0042, Order R1-2006-0043, and Monitoring and Reporting Program R1-2008-0092 (collectively, "Watershed-Wide Waste Discharge Requirements for Timber Harvesting Plan Activities Conducted by, or on Land Owned by, the Green Diamond Resource Company in the South Fork Elk River Watershed, or *"SF Elk WWDR"*").
19. Conditions specific to the Elk River in this Order rely, in large part, upon the South Fork Elk River Management Plan. Green Diamond submitted the original version of the South Fork Elk River Management Plan in May 2006. On July 26, 2012, Green Diamond submitted an updated version of its South Fork Elk River Management Plan. The South Fork Elk River Management Plan contains watershed-specific elements tailored to the uniquely sensitive geology in the South Fork Elk River.
20. Since 2006, Green Diamond has harvested a total of 340 acres in the South Fork Elk River Watershed. 152 road-related sediment discharge sites have been treated and an additional 29 road sites will be treated by 2015, completing all of the sites identified in a watershed-wide road assessment inventory. Approximately 26,602 cubic yards of sediment have been prevented from discharging due to treatment of these road sites.
21. This Order supersedes the SF Elk WWDR and incorporates its substantive conditions.
22. A TMDL for the Elk River, pursuant to Section 303(d) of the Clean Water Act, is currently under development by the Regional Water Board. The TMDL may contain timeframes or tasks that differ from those contained in the Elk River component of this Order. At such time as the TMDL is adopted, the provisions of the Elk River component of this Order and/or the South Fork Elk River Management Plan will be reviewed and adjusted, as appropriate, to ensure compliance with the TMDL.
23. The sections of this Order and the attached Monitoring and Reporting Program specific to activities in the Elk River were designed to anticipate requirements of the TMDL

currently in development, provide site specific requirements for this uniquely sensitive watershed, and establish a feedback loop to ensure adequate implementation of and maximize effectiveness of management measures.

24. The South Fork Elk River Management Plan may be updated, with approval by the Regional Water Board, due to necessary changes from TMDL adoption, changes to the Basin Plan, or adaptive management.

Applicable State and Federal Regulatory Programs

25. On June 10, 2010, the Regional Water Board adopted Order R1-2010-0044, *Waste Discharge Requirements for Discharges Related to Road Management and Maintenance Activities Conducted Pursuant to the Green Diamond Resource Company Aquatic Habitat Conservation Plan in the North Coast Region* (Roads WDR). The Roads WDR provides waste discharge coverage for activities performed under Green Diamond's Road Management Plan from the AHCP. The Road Management Plan is a comprehensive program to systematically prioritize, upgrade and decommission portions of the road system, maintain a prioritized road-related sediment source inventory, implement routine maintenance and monitoring of the mainline and secondary road system, accelerate treatment of high and moderate priority sediment sources, design detailed annual work plans, and perform post-treatment compliance and effectiveness monitoring.
26. Concurrently with development of the Roads WDR, the California Department of Fish and Game (DFG) developed a Master Agreement for Timber Operations (MATO, 1600-2010-0114-R1). DFG has jurisdiction over the conservation, protection, restoration, enhancement, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species under state law including Fish and Game Code section 1600 et seq.
27. The MATO section 11.0 A contains conditions (starting on page 21) for authorized activities including watercourse crossing installation, repair, replacement, maintenance, and upgrading and activities associated with in-stream and riparian restoration projects. Conditions necessary for protection of water quality and biological resources in streams include:
 - General—conditions for construction activities at stream sites
 - New road construction—conditions for design and construction of roads
 - Upgrading—conditions for process and materials used in upgrading existing roads
 - Decommissioning—conditions for treatments of sites that will be removed
 - Erosion control—conditions to minimize erosion and prevent sediment delivery from road work activities
 - Water drafting—conditions for water extraction
 - In-stream restoration projects—procedures, oversight, and restrictions
28. The California Department of Forestry and Fire Protection (CAL FIRE) is the state agency responsible for overseeing timber harvesting activities through implementation of the Forest Practice Rules (Cal. Code Regs., tit. 14, §§895-1115.3). Non-federal

landowners proposing to harvest timber are required to have an approved timber harvest plan (THP), prepared by a registered professional forester (RPF), prior to starting timber harvesting activities. Pursuant to the Forest Practice Rules (FPRs), the Regional Water Board, DFG, California Geological Survey, and other agencies are also responsible agencies that review THPs and provide recommendations to CAL FIRE as part of a “Review Team”. The Regional Water Board will continue to participate as a Review Team member for individual THPs proposed by Green Diamond to ensure compliance with this Order.

29. In July 2007, Green Diamond began implementing the Aquatic Habitat Conservation Plan (AHCP) and Candidate Conservation Agreement with Assurances approved in June 2007 by the National Marine Fisheries Service and the U.S. Fish & Wildlife Service for the conservation of the following aquatic species: Chinook salmon, Coho salmon, steelhead, cutthroat trout, rainbow trout, southern torrent salamander, and tailed frog. The biological goals of the AHCP are to maintain cool water temperature, minimize and mitigate human-caused sediment inputs, provide for the recruitment of large wood into all stream classifications, and allow for the maintenance or increase of populations of the covered species through minimization of timber harvest-related impacts.
30. The Operating Conservation Program is contained in section 6.2 of the AHCP and details all of the enforceable measures to be implemented as part of timber harvest operations. The elements listed below are tailored to the needs of specific hydrographic planning areas as defined and described in AHCP section 4.2.1.5. The Operating Conservation Program includes:
 - Riparian Management Measures (AHCP section 6.2.1)— buffer zone widths, canopy retention requirements, tree selection guidelines
 - Slope Stability Measures (AHCP section 6.2.2)— identification of geologic features, buffer zone widths, harvest limitations, site-specific evaluations by a professional geologist
 - Road Management Measures (AHCP section 6.2.3)— decommissioning and upgrading standards, landing and road construction requirements, accelerated treatment of legacy sediment sources, hydrologic disconnection standards, inspection protocol, timing protocols
 - Harvest-Related Ground Disturbance Measures (AHCP section 6.2.4)— yarding restrictions, site preparation restrictions, seasonally appropriate access restrictions
31. Watercourse buffer zones under Green Diamond’s Operating Conservation Program require significantly higher canopy retention than buffer zones required by the current FPRs (AHCP section 6.2.1). Additionally, where there are defined steep slopes, additional harvesting restrictions are implemented to provide another level of protection to sensitive areas (AHCP section 6.2.2).
32. The majority of legacy sources of anthropogenic sediment is associated with roads. Discharge sources located on Green Diamond’s mainline and secondary road system will be covered under Order R1-2010-0044 *Waste Discharge Requirements for Discharges Related to Road Management and Maintenance Activities Conducted Pursuant to the Green Diamond Resource Company Aquatic Habitat Conservation Plan in the North*

Coast Region (Roads WDR). The Roads WDR requires systematic treatment of road-related sediment sources across Green Diamond's ownership independent of timber harvest plans. Other legacy sediment sources, such as those located up-slope on skid trails, are less conducive to a property wide inventory due to the challenges of evaluating them across a vast acreage.

33. Non-road legacy sediment sources will be evaluated, inventoried, and addressed concurrently with timber harvest plans, under coverage of this Order. The inventories will be included in each pertinent THP and sites will be treated prior to completion of the THP.
34. The Regional Water Board relies, in part, on the MATO, applicable provisions of the FPRs, and Green Diamond's AHCP requirements that are related to protection of water quality, which are included specifically or by reference, as enforceable provisions of this Order. Collectively, these regulatory mechanisms require implementation of specific prescriptions or management practices that provide a significant level of water quality protection. This Order is intended to work in conjunction with, and to supplement, the existing regulations in order to implement Basin Plan water quality standards and restore the beneficial uses of water across Green Diamond's ownership. As such, those applicable FPRs and AHCP prescriptions that provide water quality protection are included as enforceable conditions of this order.
35. A monitoring and reporting program (Attachment B, MRP R1-2012-0088) is necessary to assess the implementation and effectiveness of mitigation measures required under this Order and provide feedback for adaptive management. The Effectiveness Monitoring Program (AHCP section 6.2.5) and Implementation Monitoring Measures (AHCP section 6.2.7) will give the Regional Water Board relevant feedback regarding the effectiveness of the Order in protecting and enhancing water quality across the project area. Effectiveness of the management measures contained in the Operating Conservation Plan will be measured in relation to the AHCP biological goals and objectives (AHCP section 6.1), which include benchmarks that correlate to the primary beneficial uses of concern and comprise water temperature, sediment, and habitat concerns. The biennial report that Green Diamond is required to submit to the Regional Water Board, National Marine Fisheries Service, and United States Fish and Wildlife Service includes information summarizing the application of and compliance with management measures and monitoring programs.

Water Quality Certification

36. In-stream restoration projects that involve construction and other work in waters of the United States may require a federal permit pursuant to section 404 of the Clean Water Act. Section 401 of the Clean Water Act (33 U.S.C. §1341) requires every applicant for a federal license or permit to provide water quality certification from the state. The Regional Water Board Executive Officer may issue a decision on a water quality certification application. (CCR, tit. 23, § 3838, subd. (b).) State water quality certification conditions shall become conditions of any federal license or permit for the project. This Order includes a general water quality certification for activities and associated discharges for in-stream restoration projects that require federal permits.

37. The Regional Water Board may issue a general water quality certification for a class or classes of activities that are the same or similar, or involve the same or similar types of discharges and possible adverse impacts to water quality if it determines that these activities are more appropriately regulated under a general certification rather than individual certifications (Cal. Code Regs., tit. 23, §3861). General certifications apply for a fixed term not to exceed five years, must be conditioned to require subsequent notice to the Regional Water Board at least 30 days prior to commencement of the activity, and include appropriate monitoring and reporting requirements. A fee is also required pursuant to California Code of Regulations, title 23, section 3833, sub.(b)(3).
38. In-stream restoration projects will be submitted with the Annual Work Plan associated with Order R1-2010-0044 and will include all of the information required for, and be in compliance with, all of the conditions referenced in the MATO, Section 11.0 A.8 (DFG Notification 1600-2010-0114-R1). Unless the Regional Water Board determines that the project or activity does not meet the specified criteria for coverage under the general water quality certification, this Order will provide Clean Water Act section 401 certification for the federal permit required for that project.

Fees and Administration

39. Pursuant to Water Code section 13260 (d)(1), Green Diamond shall submit an annual fee for this Order according to a fee schedule established by the State Water Resources Control Board (State Board).
40. For in-stream restoration projects that require water quality certification, Green Diamond shall submit the appropriate fee at least 30 days prior to commencement of the activity. Annual fee schedules are detailed in the California Code of Regulation, title 23, section 2200(a)(3).
41. Green Diamond THPs in the AHCP area submitted to the Review Team after adoption of this Order will not require enrollment under Order R1-2004-0030, General Waste Discharge Requirements for Discharges Related to Timber Harvest Activities on Non-federal Lands in the North Coast Region (GWDR) or Order R1-2009-0038, Categorical Waiver of Waste Discharge Requirements for Discharges Related to Timber Harvest Activities on Non-federal Lands in the North Coast Region (Waiver). Green Diamond THPs will be reviewed by Regional Water Board staff during CAL FIRE's Review Team process for compliance with this Order. Any Green Diamond THP in the project area where water quality issues identified by Regional Water Board staff have not been resolved to the satisfaction of the Regional Water Board Executive Officer or that is the subject of an unresolved non-concurrence filed by Regional Water Board staff with CAL FIRE will be considered ineligible for coverage under this Order.
42. Designated Regional Water Board staff will be notified of the commencement of THP activities each calendar year within a 15 day period prior to the start of timber operations.
43. Upon completion of a THP, the RPF will submit the AHCP post-harvest forms for the THP, the CAL FIRE final completion report, and a final certification notice to certify completion and compliance of the THP with this Order. The Regional Water Board will

review the certification and may schedule a field inspection to verify conformance of the THP with this Order. The RPF will be notified in writing regarding approval or disapproval of the certification.

44. In considering this Order under the California Environmental Quality Act (CEQA), the Regional Water Board used the Environmental Impact Statement (EIS) issued by the U.S. Fish & Wildlife Service and National Marine Fisheries Service for the AHCP. When a project requires compliance with both CEQA and the National Environmental Policy Act (NEPA), and the federal EIS is prepared first and meets the requirements of CEQA, CEQA provides that the state agency should use the EIS rather than preparing a separate EIR or negative declaration, pursuant to California Code of Regulations, title 14, section 15221. On **DATE**, the Regional Water Board circulated a supplemental letter and draft Order that added any points of analysis not covered in the EIS but required under CEQA. In that letter, the Regional Water Board provided public notice of the availability of the EIS and its intent to rely on the federal document. The EIS and supplemental letter were completed in compliance with CEQA, and reflect the Regional Water Board's independent judgment and analysis. The Regional Water Board has reviewed this information and has considered this along with all the other information in the record prior to making its decision to issue this Order. In addition, potential environmental effects associated with the project were also analyzed under CEQA in the Initial Study/Mitigated Negative Declaration (IS/MND) prepared by the California Department of Fish and Game for the MATO and Roads WDR. The Regional Water Board has reviewed and considered the IS/MND as responsible agency prior to taking action on the Order. (Cal. Code Regs., tit. 14, § 15162.) The Regional Water Board adopts the CEQA findings required under Public Resources Code section 21081 as detailed in Appendix E. Mitigation measures necessary to reduce or eliminate significant water quality impacts are included as conditions of approval in the Order section below.

THEREFORE, pursuant to Water Code section 13263, the Regional Water Board approves and adopts Order R1-xxxx-xxxx, and directs the Executive Officer to file all appropriate notices. Green Diamond shall comply with the following:

II. SPECIFIC CONDITIONS

A. Timber Harvesting Plan Review

Individual timber harvesting plans will be reviewed as part of CAL FIRE's Review Team (FPR 1037.5) to confirm compliance with this Order. Participation, as deemed necessary, in First Review, pre-harvest inspections, and Second Review will provide the opportunity for representatives of the Regional Water Board to make any necessary site-specific water quality recommendations to ensure compliance with this Order, and for any subsequent changes to the THP to be made prior to CAL FIRE approval. If the THP is approved by CAL FIRE with no non-concurrences and all water quality issues identified by Regional Water Board staff have been resolved to the satisfaction of the Regional Water Board Executive Officer, then the THP shall be considered in conformance with the conditions of this WDR.

B. Notification of Commencement of Timber Harvesting Plan Activities

Each calendar year, within a 15 day period before beginning timber operations, and not later than the day of the start of timber operations, the Regional Water Board shall be notified of the actual commencement date for the start of operations for

each THP. The notification shall be directed to the designated personnel at the Regional Water Board by telephone or by electronic mail.

C. Timber Harvest Plan Completion and Certification of Compliance

Upon completion of a THP, the RPF shall submit the AHCP post-harvest forms for the THP, the CAL FIRE final completion report, and a final certification notice to certify completion and compliance of the THP with this WDR. The Regional Water Board shall review the certification and may schedule a field inspection to verify conformance of the THP with this WDR. The RPF shall be notified in writing (including email) regarding approval or disapproval of the certification.

D. Green Diamond Aquatic Habitat Conservation Plan

Except for discharges described in Condition E below, this WDR provides waste discharge coverage for discharges from Green Diamond's forest management activities described in finding 5 carried out under the AHCP. All applicable mitigation measures identified in the Operating Conservation Program (AHCP Section 6.2) are requirements under this Order, including those identified in finding 30.

E. Treatment of Road Related Sediment Sources

Discharge sources located on Green Diamond's mainline and secondary road system are covered under Order R1-2010-0044 *Waste Discharge Requirements for Discharges Related to Road Management and Maintenance Activities Conducted Pursuant to the Green Diamond Resource Company Aquatic Habitat Conservation Plan in the North Coast Region* (Roads WDR).

F. Treatment of Other (Non-road Related) Sediment Sources

Other controllable sediment discharge sources, e.g. failing skid trail crossings and watercourse diversions within timber harvest units, will be evaluated, inventoried, and addressed concurrently with THPs. The inventory shall be included in the THP and shall include the following information:

1. A description of the proposed activity, including the type and scope of work.
2. Whether the proposed activity will occur on a Class I, II, III, or IV watercourse or restorable fish-bearing stream.
3. An estimate of the potential sediment volume that could discharge if left untreated.
4. An estimate of the relative potential for sediment delivery.
5. A description of the current site condition.
6. Where warranted, construction drawings, diagrams or sketches, cross sections with dimensions, or other information.

G. In-stream and Riparian Restoration

All applicable mitigation measures identified in the MATO are requirements under this Order, including those identified in finding 27. In-stream restoration projects shall be identified and reviewed via the Annual Work Plan associated with the Roads WDR (Order R1-2010-0044) and shall comply with all of the conditions referenced in the MATO, Section 11.0 A.8 (DFG Notification 1600-2010-0114-R1).

H. Discharge Notifications

Should it be determined by Green Diamond or the Regional Water Board that a discharge is causing or contributing to an exceedence of a water quality standard or violation of an applicable water quality requirement, Green Diamond shall:

Implement corrective measures immediately following discovery and notify the Regional Water Board by telephone or email as soon as possible, but no later than 48 hours after the discharge was discovered. This notification shall be followed by a report within 14 days that includes:

- The date the exceedence or violation was discovered
- The name and title of the person discovering the exceedence or violation
- A map showing the location of the exceedence or violation site
- A description of recent weather conditions prior to discovering the exceedence or violation
- The nature and cause of the exceedence or violation
- Photos of the site characterizing the exceedence or violation
- The management measures currently being implemented
- Any maintenance or repair of management measures
- Any additional management measures that will be implemented to prevent or minimize discharges that are causing the exceedence or violation
- An implementation schedule for corrective actions
- The signature of the person preparing the report

Compliance with the required technical reports and the implementation of required corrective measures shall not prevent the Regional Water Board from taking enforcement action under any other requirements of this Order.

- I. Green Diamond shall comply with the Monitoring and Reporting Program R1-2012-0088 attached to this Order.

III. SPECIFIC CONDITIONS FOR THE SOUTH FORK ELK RIVER WATERSHED

The following conditions apply to lands where Green Diamond owns and/or conducts timber harvesting activities in the South Fork Elk River watershed.

A. South Fork Elk River Management Plan

All THPs in the South Fork Elk River must adhere to Green Diamond's South Fork Elk River Management Plan, included as Attachment C to this Order.

B. South Fork Elk River Sediment Reduction Plan

1. Green Diamond shall maintain a master inventory of all sediment discharge sites deemed feasible to treat, including road-related sites both associated with THPs and not associated with THPs, non-road related sites associated with THPs (i.e. skid trail crossings), and non-road related sites not associated with THPs. The inventory shall include a site identification number, the location shown on a scaled map, the volume of sediment to be treated, treatment priority, and the proposed treatment. Upon completion of all the sites from the master inventory, maintenance of the master inventory will not be required.

2. All road related sites from the master inventory and all non-road related sites associated with THPs shall be treated by 2015.
3. All controllable non-road related sites not associated with THPs shall be inventoried by 2015 and treated by 2018.
4. Annual proposed treatments of sites from the master inventory shall be submitted via the Annual Work Plan for the Roads WDR (Order R1-2010-0044).
5. Upon completion of all sites from the master inventory, inventory and treatment of any new road related sediment sources in the South Fork Elk River Watershed shall be conducted pursuant to Green Diamond's Routine Road Maintenance Program and the Roads WDR (Order R1-2010-0044).

IV. GENERAL CONDITIONS

A. Discharge Prohibitions

1. The discharge of soil, silt, bark, slash, sawdust, or other organic and earthen material from any logging, construction, or associated activity of whatever nature into any stream or watercourse in the basin in quantities deleterious to fish, wildlife, or other beneficial uses is prohibited.
2. The placing or disposal of soil, silt, bark, slash, sawdust, or other organic and earthen material from any logging, construction, or associated activity of whatever nature at locations where such material could pass into any stream or watercourse in the basin in quantities which could be deleterious to fish, wildlife, or other beneficial uses is prohibited.
3. Discharges of waste, which are not otherwise authorized by waste discharge requirements, or other orders issued by the Regional Water Board or the State Water Resources Control Board, to waters of the state in violation of Basin Plan standards, are prohibited.
4. Discharges must not cause or threaten to cause pollution, contamination, or nuisance.
5. Discharges must not adversely impact human health or the environment or the beneficial uses of water set out by the Basin Plan.
6. Discharges of waste in the Klamath River Basin that violate any narrative or numeric water quality objective, that are not authorized by waste discharge requirements or other order or action by the Regional Water Board or State Water Resources Control Board, are prohibited.

- B. If any dispute arises regarding implementation of this Order, Green Diamond and Regional Water Board will attempt to resolve through field examination and discussion, with the resolution ultimately agreed upon by Regional Water Board staff or Executive Officer and Green Diamond management.

- C. Green Diamond must comply with all applicable mitigation measures identified in Attachment E of this Order (CEQA findings). Notwithstanding general condition B above, above, compliance with these mitigation measures are requirements under this Order, and violation of any such requirements subjects Green Diamond to enforcement action, including civil liability, under the Water Code.
- D. Green Diamond shall comply with any additional mitigation measures identified and required pursuant to the CAL FIRE CEQA-equivalent process.
- E. Green Diamond must allow Regional Water Board staff entry onto the affected property, with reasonable notice, for the purpose of observing, inspecting, photographing, videotaping, measuring, and/or collecting samples or other monitoring information to document compliance or non-compliance with this Order.
- F. Green Diamond must allow Regional Water Board staff access to copy, at reasonable times, any records that must be kept under the conditions of this Order.
- G. All activities covered by this Order must comply with local, state, and federal law.
- H. No discharge of waste into the waters of the state, whether or not the discharge is made pursuant to waste discharge requirements, shall create a vested right to continue to discharge. All discharges of waste into waters of the state are privileges, not rights (Water Code, section 13262, subd. (g)).
- I. Prior to implementing any change to the project or activity that may have a significant or material effect on the findings, conclusions, or conditions of this Order, Green Diamond must obtain the written approval of the Regional Water Board Executive Officer.
- J. In the event of unforeseen circumstances such as fire, wind, earthquake, flood, pest or pathogen infestation, or landslides of a scale not reasonably foreseeable, Green Diamond shall initiate a meeting with the Executive Officer to discuss potential changes to the conditions of this WDR.
- K. The Regional Water Board may add to or modify the conditions of this Order, with notice and as appropriate, to implement any new or revised water quality standards and implementation plans adopted and approved pursuant to the Porter-Cologne Water Quality Control Act or section 303 of the Clean Water Act.
- L. This Order may be modified, revoked and reissued, or terminated for cause. Significant changes to the AHCP or MATO which influence this Order, affect compliance with the conditions of this Order, or contribute to a violation or exceedence of applicable water quality requirements should receive written approval from the Regional Water Board Executive Officer to avoid the possible need to reopen this Order.

V. RESCISSION AND DENIAL OF COVERAGE

The Executive Officer shall rescind or deny the applicability of this Order to any individual project or activity if the Executive Officer makes any of the following determinations:

1. The project or activity does not comply with any condition or provision of this Order;
2. The project or activity is reasonably likely to result or has resulted in a violation or exceedence of any applicable water quality requirement;
3. The project or activity has varied in whole or in any part from the approved project in any way that could adversely affect water quality;
4. When requested by Green Diamond, another state agency (upon a demonstration that the project or activity would cause an exceedence of water quality standards or otherwise violate this Order), a subdivision of the state (county), or a federal agency, and with concurrence by the Executive Officer.
5. The project or activity is the subject of an unresolved non-concurrence filed by Regional Board staff with CAL FIRE.
6. The project or activity meets the WDR terms, but may still result in discharge that could affect the quality of waters of the state.

Upon receipt of a written notice of rescission or denial of coverage for a project or activity under this Order, the applicability of this Order to the covered project or activity is immediately terminated. Upon termination, Green Diamond must immediately cease all activities that may result in un-permitted discharges of waste to waters of the state, other than activities necessary to control further discharges.

VI. 401 CERTIFICATION FOR IN-STREAM RESTORATION PROJECTS

IT IS HEREBY ORDERED, THE REGIONAL WATER BOARD CERTIFIES THAT in-stream restoration projects in compliance with the conditions of this order will comply with sections 301, 302, 303, 306, and 307 of the Clean Water Act, and with applicable provisions of state law, subject to the following additional terms and conditions:

1. This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330 and title 23, California Code of Regulations, section 3867.
2. This certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to title 23, California Code of Regulations, section 3855, subdivision (b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. Certification is conditioned upon total payment of any fee required under California Code of Regulations, title 23, section 3833, subdivision (b)(3). Annual Fee Schedules are detailed in the California Code of Regulation, title 23, section 2200.

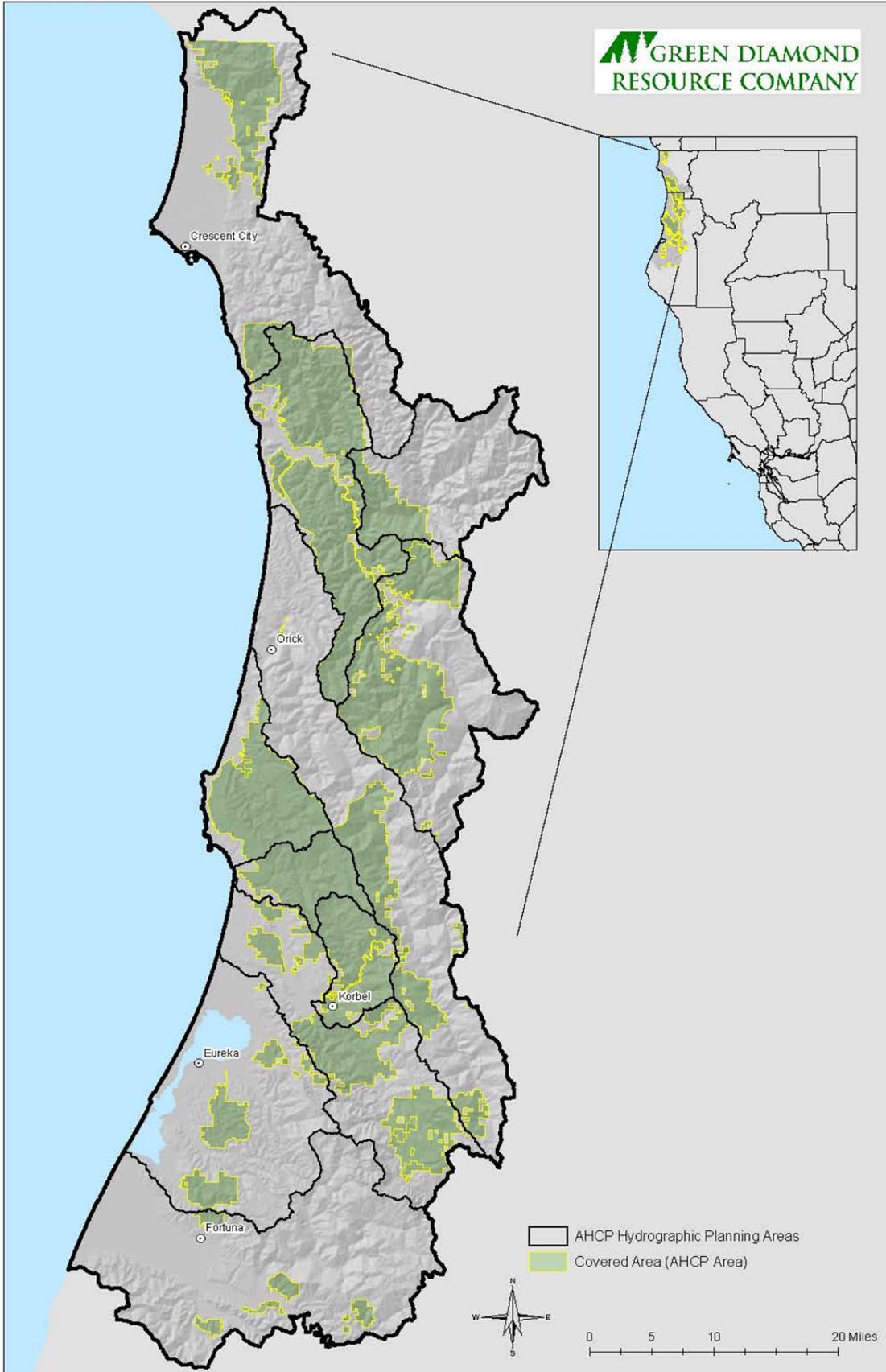
4. This general certification applies only to in-stream restoration projects subject to this Order.
5. Green Diamond shall notify the Regional Water Board, at least 30 days prior to commencement of the activity, and submit information regarding the construction schedule, other relevant information, and the appropriate fee. The Regional Water Board will notify Green Diamond within 30 days if the project or activity does not meet the specified criteria for coverage.
6. The authorization of this certification for any dredge and fill activities expires five (5) years from the date the activity commences.
7. Any relevant conditions of this Order are enforceable conditions of this general water quality certification.
8. In the event of any violation or threatened violation of the conditions of this certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state law. For purposes of section 401(d) of the Clean Water Act, the applicability of any state law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this certification.
9. The general water quality certification portion of this Order may be modified as needed by the Executive Officer of the Regional Water Board.

Certification:

I, Matthias St. John, Executive Officer do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, North Coast Region, on **DATE**, 2012.

Matthias St. John
Executive Officer

ATTACHMENT A



Attachment B
MONITORING AND REPORTING PROGRAM R1-2012-0088
FOR
WASTE DISCHARGE REQUIREMENTS
FOR
DISCHARGES RELATED TO GREEN DIAMOND RESOURCE COMPANY'S FOREST
MANAGEMENT ACTIVITIES CONDUCTED WITHIN
THE AREA COVERED BY ITS AQUATIC HABITAT CONSERVATION PLAN
IN THE
NORTH COAST REGION
HUMBOLDT AND DEL NORTE COUNTIES

This Monitoring and Reporting Program (MRP) is issued pursuant to Water Code section 13267(b) and requires Green Diamond Resource Company (Green Diamond) to implement the MRP described below. The purpose of the MRP is to ensure that Green Diamond complies with waste discharge requirements established by Order R1-2012-XXXX (the Order), to track activities covered under the Order, and to evaluate the effectiveness of the Order in protecting and restoring the beneficial uses of water.

The Regional Water Board has delegated its authority to the Executive Officer to revise, modify, and reissue the MRP. Green Diamond must develop and implement additional monitoring and reporting requirements when the necessity of such measures is supported by evidence and the measures are described in writing by the Executive Officer.

I. MONITORING

A. Roads

Monitoring of Green Diamond's road system will occur pursuant to Order R1-2010-0044, *Waste Discharge Requirements for Discharges Related to Road Management and Maintenance Activities Conducted Pursuant to the Green Diamond Resource Company Aquatic Habitat Conservation Plan in the North Coast Region* (Roads WDR)

B. Non-road Sediment Sources

Non-road controllable sediment discharge sources, e.g. failing skid trail crossings and watercourse diversions within timber harvest units, shall be inspected twice after treatment to evaluate the implementation and effectiveness of the completed treatment. One inspection shall occur prior to the winter period, and once following a full winter. If the site has stabilized and there is no reasonable potential for waste discharge in violation of the Basin Plan, no further monitoring of the site will be required.

If any minor maintenance issue, such as debris plugging or damage to waterbreaks, is identified following treatment, maintenance shall be conducted as soon as feasible prior to the next winter period.

If a major maintenance issue, such as fill failure resulting in significant sediment delivery or watercourse diversion, major maintenance shall be conducted as soon as feasible prior to the next winter period and the site shall be monitored for an additional year, once prior to the winter period, and once following a full winter.

C. Effectiveness Monitoring

The Effectiveness Monitoring component of Green Diamond's Aquatic Habitat Conservation Plan (AHCP) measures the success of the conservation program in achieving the biological goals and objectives of the AHCP. Over time, better ways to manage watersheds that may further benefit aquatic species and their habitats may emerge. The Effectiveness Monitoring and Adaptive Management programs were developed to incorporate new information into practice as it becomes available. The Effectiveness Monitoring measures are also expected to give the Regional Water Board relevant feedback regarding the effectiveness of the Order in protecting water quality. Current Effectiveness Monitoring measures include:

1. Rapid Response Monitoring

Provides early warning signals to ensure that the biological goals and objectives of the AHCP will be met.

- Annual property-wide water temperature monitoring in Class I and Class II watercourses
- Paired water temperature monitoring on Class II watercourses
- Tailed frog monitoring
- Southern torrent salamander monitoring
- Implementation and effectiveness monitoring of road management measures
- Road maintenance assessments

2. Response Monitoring

Monitors the effectiveness of the conservation measures in achieving the biological goals and objectives of the AHCP.

- Class I channel monitoring
- Class III sediment monitoring

3. Long-term Trend Monitoring/Research

Have the potential to provide feedback for adaptive management, but in some circumstances, decades may be required before that can occur.

- Steep streamside slope delineation study
- Steep streamside slope assessment
- Mass wasting assessment
- Long-term habitat assessments
- Large woody debris monitoring
- Summer juvenile population estimates
- Out-migrant trapping
- Turbidity threshold sampling

4. Experimental Watersheds Program

Four watersheds, judged to be representative of the different geologic and physiographic provinces across the AHCP area were designated for additional monitoring and research on the interactions between forestry management and riparian and aquatic ecosystems.

- Little River (Little River Hydrographic Planning Area (HPA))
- South Fork Winchuck River (Smith River HPA)
- Ryan Creek (Humboldt Bay HPA)
- Ah Pah Creek (Coastal Klamath HPA)

D. Monitoring Specific to the Elk River

Monitoring efforts specific to the Elk River watershed are intended to evaluate the effectiveness of the Order in protecting water quality and in moving the watershed toward recovery from cumulative impacts.

1. Master Inventory

All sediment sources under the master inventory shall be inspected after treatment, once prior to the winter period (October 16) and once following the winter period (after May 14) to ensure that all prescribed management measures have been implemented, are functioning as designed, and that no new sediment sources have developed.

2. Road Related Sites after Completion of Master Inventory Treatments

Upon completion of all sites from the master inventory, inventory and treatment of any new road related sediment sources in the South Fork Elk River watershed shall be conducted pursuant to Green Diamond's Routine Road Maintenance Program (AHCP 6.2.3.9) and the Roads WDR (Order R1-2010-0044).

3. South Fork Elk River Sediment Reduction Effectiveness Monitoring

The purpose of the South Fork Elk River Sediment Reduction Effectiveness Monitoring plan is to quantify sediment delivery and effectiveness at treated sites and provide feedback to refine sediment control measures in the Elk River.

a. Parameters to be measured, before and after the first winter period after treatment

- Visual Observations
- Photographic control points
- Void volumes
- Longitudinal profiles

b. Locations

Monitoring shall be conducted at a representative sample of treated sites, from both simple and complicated categories of treatment. Once treatment of sites from the master inventory has been completed, this monitoring effort shall continue for a subset of sites treated in the Elk River through the Routine Road Maintenance program.

4. Landslide Monitoring

The purpose of landslide monitoring is to determine if there are changes to the landslide pattern and delivery rate in the Elk River in response to land management activities and to identify new landslides that occur in the years between analyses.

a. The landslide inventory shall include the following:

- Unique identifier code
- Primary watershed name
- Sub-basin name
- Aerial photo year number and scale
- Feature type
- Reactivation status
- Landslide dimensions and volume
- Delivery percentage, volume, and certainty
- Watercourse class affected
- Aspect of hillslope
- Geomorphic association (i.e. inner gorge, headwall swale, planar slope, break in slope, vertical and horizontal/convex and concave slope, other unstable areas, etc.)
- Hillslope angle
- Proximity to watercourse
- Land use history at point of initiation, upslope, and downslope (including harvesting and roading)
- Field visit status
- Stand age class at time of failure (under or over 15 years)
- Geologic unit
- Field observation notes

b. Location

All Green Diamond lands in the South Fork Elk River watershed shall be inventoried.

c. Method

Aerial photo review shall be coupled with a subsample of field inventories to locate and map landslide features. At a minimum, the landslide inventory shall occur every 3-5 years, subject to the availability of aerial photos.

5. Water Quality Trend Monitoring

a. Parameters to be measured

- Stage (m or feet)
- Velocity (m/sec or ft/sec)
- Streamflow (m³/sec or ft³/sec)
- Turbidity (NTU)
- Suspended sediment concentration (mg/L)

b. Location

The water quality monitoring station is located in McCloud Creek, tributary to South Fork Elk River. The station is situated on Humboldt Redwood Company property approximately 400 feet upstream of the confluence with South Fork Elk River and 2,200 feet downstream of Green Diamond's property.

c. Frequency

Turbidity and stage will be measured simultaneously at 10-minute increments. Streamflow shall be measured at an interval to ensure that a wide range of all flows is measured and incorporated into the stage-streamflow relationships at the monitoring locations.

Sampling shall begin no later than October 1 annually. The monitoring shall continue each year until there has been a period of 30 continuous days of no rain, at least until May 15. If these conditions are not met, then turbidity monitoring may cease on June 30 for the remainder of the dry season.

d. Analysis

Informational items related to streamflow, turbidity, and suspended sediment concentration shall be developed by Green Diamond according to hydrologic year, including rating curves for stage-streamflow, field turbidity-lab turbidity, streamflow-turbidity, and turbidity-suspended sediment relationships. These relationships shall be used to develop "finalized data" which represent stage, lab turbidity, and streamflow.

II. REPORTING

A. Annual THP Summary

By June 30 of every year, an annual summary for each THP currently being covered by this Order shall be submitted by the RPF. The annual summary shall, at a minimum, contain the following information:

- THP number
- Current status of harvesting, including which units were harvested
- Current status of any sediment source treatments, including THP-related road sites and non-road sites such as skid trail crossings.
- Current status of site preparation activities
- Whether any new sediment sources have been discovered

B. AHCP Post-harvest Report Forms

By January 31 of every year, for each THP where all the felling, logging, loading, hauling, and hazard abatement operations have been completed, the RPF shall submit the AHCP Post-harvest Report Form. An example of the form is included at the end of this MRP.

C. AHCP Biennial Report

Per the Implementation Agreement between the National Marine Fisheries Service, United States Fish and Wildlife Service, and Green Diamond, Green Diamond creates

a biennial report describing its activities pursuant to the Operating Conservation Plan (Section 6.2 of the AHCP). The biennial report provides information relevant to the AHCP regarding implementation, minor modifications, compliance of individual THPs, land transactions, road management measures, training programs, monitoring efforts, and more.

Green Diamond shall submit to the Regional Water Board a copy of the Biennial Report on March 15 every two years, concurrently with submission to the National Marine Fisheries Service and United States Fish and Wildlife Service.

D. Data Submission

Upon request, Green Diamond must provide any records that must be kept under the conditions of the Order or this MRP.

E. Reporting Specific to the Elk River

1. Master Inventory

An updated copy of the master inventory maintained per the Order shall be submitted annually, by March 31, to the Regional Water Board and shall include the status of the treatment for each site (i.e. completed, to be scheduled, year scheduled for treatment). Upon completion of all the sites from the master inventory, maintenance and submission of the master inventory will not be required, and inventory and treatment of any new road related sediment sources in the South Fork Elk River Watershed shall be conducted pursuant to Green Diamond's Routine Road Maintenance Program and the Roads WDR (Order R1-2010-0044).

2. South Fork Elk Sediment Reduction Effectiveness Monitoring

Green Diamond must submit, by December 1 each year, a report describing the sites currently being monitored, with the following information:

- The monitoring location selection criteria
- The unique site identification
- Site attributes
- A description of the pre-winter monitoring activities
- Comparative pre- and post-winter photos
- Comparative pre- and post-winter longitudinal profiles
- Comparative pre- and post-winter void monitoring

3. Annual Harvest Reports

By January 31 of each year, Green Diamond shall submit an Annual Harvest Report with a scaled map containing the following information for completed and planned timber harvesting:

- a. Acres felled/to be felled, by silvicultural prescription
- b. Acres yarded/to be yarded, by yarding technique
- c. Acres subject to/to be subject to mechanical site preparation

- d. Acres reported to the nearest acre, with the THP number, harvest unit number, and hazard class.
 - e. A brief description of the methods and/or data sources used to calculate the number of acres.
4. **Landslide Monitoring**
Green Diamond shall provide reports of landslide inventories by December 31 of the most recent photo flight year. If there is some technical reason limiting the ability to conduct the inventory and report by the due date, Green Diamond shall request an extension, in writing within 10 days prior to the due date, with the specific reasons described for the delay.
 5. **Water Quality Trend Monitoring**
Green Diamond shall submit a report by November 1 each year containing all of the raw and processed data from the previous hydrologic year (October 1-September 30). The report shall include:
 - A description of each monitoring site
 - A list of equipment used in the collection of data
 - All raw and processed data in tabular form
 - Graphics and supporting data representing the relationships used in any data transformation
 - Complete disclosure of all possible sources of error
 - An activity log of monitoring activities at each sites and observations made by field staff.
- Optionally, the report may also include an analysis of the data and discussion of findings with recommendations for improvements or changes to this requirement

AHCP Post Harvest Report

THP Name:
GDRCO No:
RPF:
CDF No:

Units

Unit	TTRRSLL	Gross Acres	Clear Cut Acres	Selection Acres	No Harvest Acres	In Unit ROW Acres	Out Unit ROW Acres	Other Acres

Hazard Abatement

Unit	Treatment Type	Treatment Date	Treatment Acres	AHCP Criteria Met

Reason if AHCP Criteria Are Not Met:

Unit	Issue	Acres Affected	Percent Non Compliance	Reason Not Met

Riparian

Feature	Requirements Met?
II-1	
II-2	
Modified Tier A III	

Reason Requirements Not Met:

Geology

Unit	Feature	Watercourse	Basal Area Retent. (ft ²)	Slide ID	Length (ft)	Acres of Retent.	Clear Cut Acres	Alt RX?	Alt RX Silviculture	Alt RX Met?	Retent. Req. Met?

Reason Retention or Alternate Prescription Not Met:

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