
North Coast Regional Water Quality Control Board

July 12, 2013

In the Matter of
Water Quality Certification
for

**Humboldt County DPW – PL Bar Gravel Extraction, Van Duzen River
WDID No. 1B13045WNHU**

APPLICANT: Humboldt County Public Works Department
RECEIVING WATER: Van Duzen River
HYDROLOGIC UNIT: Bridgeville Hydrologic Subarea No. 111.22
COUNTY: Humboldt
FILE NAME: Humboldt Co. DPW – PL Bar Gravel Extraction, Van Duzen River

BY THE EXECUTIVE OFFICER:

1. On April 24, 2013, the Humboldt County Public Works Department (Applicant) filed an application for water quality certification (certification) under section 401 of the Clean Water Act (33 U.S.C. § 1341) with the California Regional Water Quality Control Board, North Coast Region (Regional Water Board) for activities associated with gravel (river-run aggregate) removal activities on the Van Duzen River at the Pacific Lumber Bar (PL Bar). The Regional Water Board provided public notice of the application pursuant to title 23, California Code of Regulations, section 3858 on June 17, 2013, and posted information describing the project on the Regional Water Board's website. We did not receive any public comments on this project.
2. The PL Bar is located adjacent to Highway 36 at Post Mile 13.5 (River Mile 19), approximately eight miles southeast of Carlotta and a short distance upstream of Caltrans Bridge No. 4-93. The PL Bar covers approximately 18 acres of a 660 acre parcel that is currently owned by Humboldt Redwoods Company. The first surface mining permits for the PL Bar were issued in September 1986, authorizing annual gravel extraction of up to 3,000 cubic yards per year for a period of ten years. Permits were extended in 1997 and extended again in August 2010 for a period of fifteen years, authorizing annual extraction of up to 3,000 cubic yards or up to 9,000 cubic yards every three years with a maximum of 45,000 cubic yards over the fifteen year life of the permit. Aggregate extraction has not occurred at the PL Bar since 1997.

3. The Applicant is planning to extract 9,000 cubic yards in 2013. Aggregate extraction operations at the PL Bar will typically disturb approximately 1 acre of the approximately 18 acre gravel bar. Gravel removal activities are expected to continue in future years following authorization by other local, state, and federal permits. The actual volume of aggregate removed and the specific area of extraction within the gravel bar may vary in the future; however, the maximum volume will be 3,000 cubic yards annually or up to 9,000 cubic yards every three years.
4. In 1996, Humboldt County instituted use of the County of Humboldt Extraction Review Team (CHERT) to evaluate individual and cumulative impacts of instream gravel extraction in rivers throughout the county. The CHERT review process includes an annual review of the effects of past management decisions and extraction operations including: site-specific extraction-related concerns; pre-extraction onsite visits by CHERT and various permitting agencies to review site conditions and extraction proposals, and to develop site-specific prescriptions for a given year's extraction; and, post-extraction review. Based on review of the CHERT process to date, the process serves to address the identified significant adverse impacts to river bed levels as well as other potential adverse impacts to channel geomorphology.
5. Although aggregate extraction has not occurred at the site since 1997, the site has been subject to the U.S. Army Corps of Engineers (USACE) authorization process pursuant to the Procedure for Issuing Letter of Permissions for Gravel Mining and Excavation Activities within Humboldt County (LOP 2009), and various biological opinions and concurrence letters issued by National Marine Fisheries Service and U.S. Fish and Wildlife Service pursuant to endangered species act requirements. Permanent monitoring cross-sections were established on the PL Bar in 1996 and annual cross-sections have been surveyed since that time. The Applicant has requested a letter of permission (USACE File No. 2013-00134) from the USACE authorizing gravel extraction activities under LOP 2009. The Applicant has also applied for a Lake or Streambed Alteration Agreement from the California Department of Fish and Wildlife (CDFW). These agencies require extensive monitoring, data gathering, reporting, site inspections, channel cross-section surveys, and aerial photo review. Extraction volume, location, and methods will also be consistent with the recommendations of CHERT.
6. River-run aggregate may be removed using scrapers, dozers, excavators, loaders, and dump trucks. The permitted aggregate extraction season is typically from June 1 to October 15 or until river conditions indicate all gravel operations shall cease prior to imminent inundation of the gravel bar, whichever comes first. Agencies may agree to grant an extension of the extraction season. Gravel bar reclamation and post-extraction activities must be completed no later than November 1.
7. The PL Bar will be accessed by an existing designated haul road. A temporary river crossing is not required to access the gravel bar. Aggregate may be temporarily stockpiled on the gravel bar prior to loading for transport to a nearby processing, stockpiling, and equipment staging area county owned property located across Highway 36 from the gravel bar. Temporary stockpiling of excavated material within the limits of the extraction area is allowed during the weekdays through October 1. Stockpiles must be removed above Ordinary High Water on weekends and after October 1 stockpiles must be removed above Ordinary High Water on a daily basis.
8. After the Applicant has removed the aggregate to the approved extraction design lines and grades, the extraction area is re-graded as necessary to leave no depressions or berms that may potentially trap fish or cause impacts to surrounding habitats. The Applicant's consultant will conduct a site visit at the conclusion of extraction

operations and provide any additional recommendations reflecting seasonal extraction plan and reclamation plan conformity. When the final surfaces of the site are graded for seasonal reclamation the operator leaves the bankfull channel area to the natural reclamation process, which occurs during the high-flow events of the following winter. The Applicant will implement mitigation and impact avoidance measures during the aggregate extraction processes including: maintenance and inspection of equipment; maintaining vertical and horizontal offsets from the live channel to ensure low-flow channel confinement; maintaining sufficient water depth for fish; minimizing impacts to water quality; and, limiting the amount of haul roads providing access to the extraction area.

9. On September 10, 1992, the Humboldt County Board of Supervisors certified a Program Environmental Impact Report (PEIR) for gravel removal from the Lower Eel River (SCH #1992013033); that document describes and analyzes the potential environmental effects resulting from gravel removal operations in the Lower Eel River watershed and provides an overview of the cumulative effects of removal of gravel from the bed of the Eel River near Fortuna. The Lower Eel River PEIR covers gravel removal activities at several sites along the Van Duzen River. On August 5, 2010, the Humboldt County Planning Commission adopted a Subsequent Mitigated Negative Declaration (MND) (SCH No. 2009062067) assessing the environmental impacts of the Applicant's gravel mining activities at the PL Bar on the Van Duzen River, including the potential for causing streambank erosion. The County filed a Notice of Determination with the State Clearinghouse on August 23, 2010. The Regional Water Board has considered the environmental documents and any proposed changes incorporated into the project or required as conditions of approval to avoid significant effects to the environment. Mitigation measures identified in the MND include: implementation of aggregate extraction activities consistent with standards and requirements of CHERT, USACE, CDFW, and other regulatory agencies; and, implementation of Best Management Practices (BMPs) for erosion and sediment control, and for heavy equipment use in a waterway.
10. The Van Duzen River Total Maximum Daily Load (TMDL) for sediment was established in 1999 by the United States Environmental Protection Agency in accordance with section 303(d) of the Clean Water Act, because the State of California determined that the water quality standards for the Van Duzen River are exceeded due to excessive sediment. Roads and bank erosion are identified as sources contributing to the sediment impairment. The primary adverse impacts associated with excessive sediment in the Van Duzen River pertain to cold freshwater habitat, primarily anadromous salmonid habitat. Actions authorized by LOP 2009 require implementation of BMPs for sediment control and activities intended to enhance habitat for salmonids (LOP 2009 – Appendix A) and other aquatic species such as alcove/wetland extractions designed to sequester silt and harbor willows. Accordingly, the project activities area consistent with, and implement portions of the Van Duzen River TMDL.
11. The Van Duzen River from the powerline crossing above Little Larabee Creek to the confluence with the Eel River is designated as a recreational reach under both federal and California Wild and Scenic Rivers Acts. These acts require preservation of the rivers free-flowing condition; anadromous and resident fisheries; and outstanding geologic, wildlife, flora and fauna, historic and cultural, visual, recreational, and water quality values. Recreational segments are generally developed, with parallel roads, bridges, and structures. All activities normally associated with public lands are permitted subject to the protection of free flowing condition and outstanding values. Implementation of the project activities would not affect the free-flowing condition of

the Van Duzen River and would not affect the extraordinary values for which the segment was listed.

12. The federal antidegradation policy requires that state water quality standards include an antidegradation policy consistent with the federal policy. The State Water Board established California's antidegradation policy in State Water Board Resolution No. 68-16. Resolution No. 68-16 incorporates the federal antidegradation policy where the federal policy applies under federal law. Resolution No. 68-16 requires that existing quality of waters be maintained unless degradation is justified based on specific findings. The Regional Water Board's Basin Plan implements, and incorporates by reference, both the State and federal antidegradation policies. This Order is consistent with applicable federal and State antidegradation policies, as it does not authorize the discharge of increased concentrations of pollutants or increased volumes of treated wastewater, and does not otherwise authorize degradation of the waters affected by this project.
13. This discharge is also regulated under State Water Resources Control Board Order No. 2003-0017-DWQ, "General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received State Water Quality Certification," which requires compliance with all conditions of this water quality certification.
http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0017.pdf

Receiving Water: Van Duzen River in the Bridgeville Hydrologic Subarea No. 111.22

Filled or Excavated Area: Area Temporarily Impacted: 38,100 square feet of streambed
Area Permanently Impacted: None

Total Linear Impacts: Length Temporarily Impacted: 425 linear feet of streambed
Length Permanently Impacted: None

Dredge Volume: None

Latitude/Longitude: 40.47405 N/123.96226 W

Expiration: July 12, 2018

Accordingly, based on its independent review of the record, the Regional Water Board certifies that the Humboldt Co. DPW – PL Bar Gravel Extraction (WDID No. 1B13045WNHU), as described in the application, will comply with sections 301, 302, 303, 306 and 307 of the Clean Water Act, and with applicable provisions of state law, provided that the Applicant complies with the following terms and conditions:

All conditions of this order apply to the Applicant (and all their employees) and all contractors (and their employees), sub-contractors (and their employees), and any other entity or agency that performs activities or work on the project as related to this Water Quality Certification.

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. This certification is conditioned upon total payment of any fee required under title 23, California Code of Regulations, section 2200, and owed by the Applicant.
4. A base fee has already been paid and no additional base fee is required during the term of this Order. Prior to initiating any aggregate mining project, the Applicant shall submit a volume based fee in an amount determined in accordance with the fee schedule contained in California Code of Regulations, Division 3, Chapter 9, Article 1, section 2200(a)(3). The volume based fee payment (check payable to the State Water Resources Control Board) shall be accompanied by a transmittal letter that includes the WDID Number for this Order, the applicable aggregate mining season (year), the volume of aggregate that will be removed during the applicable aggregate mining season, and the volume of aggregate that was mined during the previous aggregate mining season. If/when the actual volume of aggregate mined is less than the amount the Applicant used to calculate the previously paid fee; a corresponding fee credit shall be applied to the total fee that is owed prior to additional mining during the following aggregate mining season or mining event. If/when the actual volume of aggregate mined was more than the amount the Applicant used to calculate the previously paid fee; a corresponding fee debit shall be applied to the fees that are owed prior to additional mining during the following aggregate mining season or mining event. Any fee debit amounts owed from a completed mining event shall be added to the applicable fee balance and included with the annual fee for the following season or mining event. If/when an Applicant owes additional fees for aggregate that has already been mined, and mining will not occur during the following mining season, the Applicant shall submit by August 1 of the following year, a transmittal letter indicating that no extraction will occur during the identified extraction season and the balance owed to cover any fee debit that resulted following the previous mining event. Failure to submit the applicable fee and any additional fee (debit fee) prior to the start of any subsequent aggregate mining activities is a violation of this Order.
5. The Regional Water Board shall be notified at least five working days (working days are Monday – Friday) prior to the commencement of ground disturbing activities, with details regarding the schedule for aggregate mining activities, in order to allow staff to be present onsite during construction, and to answer any public inquiries that may arise regarding the project.
6. Discharges shall not cause or threaten to cause pollution, contamination, or nuisance as defined in California Water Code Section 13050.
7. Discharges shall not adversely impact human health or the environment or the beneficial uses of water set out in the Basin Plan.
8. Discharges are authorized only where they do not cause or contribute to a violation or exceedence of applicable water quality standards, prohibitions, or policies in the Basin Plan, and are controlled through implementation of appropriate design and management measures for prevention and minimization of waste discharges.

9. Discharge of process wastewater or solids from aggregate washing activities to surface waters is prohibited.
10. Discharge of process wastewater from concrete production and washout activities to surface water or ground water is prohibited.
11. Discharge of process wastewater from asphalt production and associated air pollution control equipment to surface water or ground water is prohibited.
12. Activities shall not cause the turbidity of the receiving waters to be increased more than 20 percent above naturally occurring background levels.
13. The activities shall not cause the receiving waters to contain floating materials, including solids, liquids, foams, and scum, in concentrations that cause nuisance or adversely affect beneficial uses.
14. Fueling, lubrication, maintenance, and storage of vehicles and equipment shall not result in a discharge or a threatened discharge to surface waters or ground water. At no time shall the discharger use vehicles or equipment that leaks any substance that might impact water quality. Staging and storage areas for vehicles and equipment shall be located outside of the bed, channel, and bank of any waters of the State.
15. No debris, soil, silt, sand, bark, slash, sawdust, cement or concrete washings, oil or petroleum products, or other organic or earthen material from any construction or associated activity of whatever nature, other than that authorized by this Order, shall be allowed to enter into or be placed where it may be washed by rainfall into waters of the State. When operations are completed, any excess material or debris shall be removed from the work area.
16. Permanent haul roads shall follow existing routes to the extent possible. Temporary haul roads shall avoid sensitive areas such as wetlands and riparian vegetation to the extent possible.
17. BMPs for sediment and turbidity control shall be implemented and in place prior to and during each season's extraction activities, and as necessary after extraction activities are completed each season in order to ensure that no silt or sediment enters surface waters.
18. Upon completion of annual aggregate extraction activities, the gravel bar shall be left in a condition that is free-draining and free of depressions in order to reduce impacts to fish and wildlife species, unless a different configuration of the gravel bar is authorized by the USACE.
19. All activities and BMPs shall be implemented according to the submitted application and the conditions in this certification.
20. A copy of this Order and the application documents submitted by the Applicant for this certification shall be provided to all contractors and subcontractors conducting the work, and shall be in their possession at the work site.
21. All project work shall be conducted as described in this Order and in the application submitted by the Applicant. If the Regional Water Board is not notified of a significant alteration to the project, it will be considered a violation of this Order, and the Applicant may be subject to Regional Water Board enforcement actions.

22. Prior to implementing any change to the project that may have a significant or material effect on the findings, conclusions, or conditions of this Order, the Applicant shall obtain the written approval of the Regional Water Board Executive Officer.
23. If, at any time, an unauthorized discharge to surface water (including wetlands, rivers or streams) occurs, or any water quality problem arises, the associated project activities shall cease immediately until adequate BMPs are implemented. The Regional Water Board shall be notified promptly and in no case more than 24 hours after the unauthorized discharge or water quality problem arises.
24. The Regional Water Board may add to or modify the conditions of this Order, 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.
25. The Applicant shall provide Regional Water Board staff access to the project site to document compliance with this certification.
26. 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 applicable State or federal law. For the purposes of section 401(d) of the Clean Water Act, the applicability of any State law authorizing remedies, penalties, process or sanctions constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this certification. In response to a suspected violation of any condition of this certification, the Regional Water Board may require the holder of any federal permit or license subject to this certification to furnish, under penalty of perjury, any technical or monitoring reports the Regional Water Board deems appropriate, provided that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. In response to any violation of the conditions of this certification, the Regional Water Board may add to or modify the conditions of this certification as appropriate to ensure compliance.
27. In the event of any change in control of ownership of land presently owned or controlled by the Applicant, the Applicant shall notify the successor-in-interest of the existence of this Order by letter and shall forward a copy of the letter to the Regional Water Board at the above address.

To discharge dredged or fill material under this Order, the successor-in-interest must send to the Regional Water Board Executive Officer a written request for transfer of the Order. The request must contain the requesting entity's full legal name, the state of incorporation if a corporation, and the address and telephone number of the person(s) responsible for contact with the Regional Water Board. The request must also describe any changes to the project proposed by the successor-in-interest or confirm that the successor-in-interest intends to implement the project as described in this Order.

28. Except as may be modified by any preceding conditions, all certification actions are contingent on: a) the discharge being limited to and all proposed mitigation being completed in strict compliance with the Applicant's project description, and b) compliance with all applicable requirements of the Water Quality Control Plan for the North Coast Region (Basin Plan).

29. The authorization of this certification for any dredge and fill activities expires on July 12, 2018. Conditions and monitoring requirements outlined in this certification are not subject to the expiration date outlined above, and remain in full effect and are enforceable.

If you have any questions or comments, please call Dean Prat at (707) 576-2801.

Matthias St. John
Executive Officer

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Weblink: State Water Resources Control Board Order No. 2003-0017-DWQ, General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received State Water Quality Certification can be found at:
http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0017.pdf

Original to: Mr. Doug Dinsmore, Humboldt County Public Works Department, 1106 2nd Street, Eureka, CA 95501

Electronic
Copy to: U.S. Army Corps of Engineers, District Engineer, 601 Startare Drive,
Box 14, Eureka, CA 95501
Ms. Jane Hicks, U.S. Army Corps of Engineers, Regulatory Functions,
1455 Market Street, San Francisco, CA 94103-1398