

January 18, 2006

**Public Notice for Water Quality Certification and/or
Waste Discharge Requirements (Dredge/Fill Projects)**

**Essex Gravel Extraction Operations
WDID No. 1B02101WNHU**

Humboldt County

On July 11, 2005, the North Coast Regional Water Quality Control Board (Regional Water Board) received an application from the Mercer-Fraser Company requesting Water Quality Certification and/or Waste Discharge Requirements (Dredge/Fill Projects) for gravel mining operations at Essex Bar located on the Mad River near Arcata, Humboldt County. The proposed projects will cause disturbances to waters of the United States associated with the Mad River in the Mad River Hydrologic Area No. 109.00.

The proposed project is located near Arcata, California, on the Mad River, River Mile 8.4-8.8 (APN 504-161-10), Section 24, Township 6 North, and Range 1 East. Gravel extraction activities consist of bar skimming and trenching by using a front-end loader or scraper. Dump trucks will remove gravel from the extraction site. The proposed project involves the annual extraction of up to 40,000 cubic yards of aggregate from up to four acres along the Mad River. The actual volume removed and the specific area of extraction within each gravel bar varies from year-to-year. Until October 1, up to 200 cubic yards of extracted material may be temporarily stored on the gravel bars prior to loading. After October 1, any gravel stockpiled on river bars will be removed on a daily basis and gravel bars will be graded at the end of each workday. Temporary bridges must conform to the specifications determined by the County of Humboldt Extraction Review Team (CHERT), and must be placed after June 15 and removed by September 15. The extraction season is typically from June 1 to October 31. Gravel extraction activities cease completely after October 15, unless an extension is granted by the U.S. Army Corps of Engineers (USACOE) until October 31.

Wetlands and/or riparian habitats are not permanently impacted by gravel extraction activities due to annual replenishment by high winter flows. The temporary impacts involve up to 3.5 acres at the Essex Bar. Potential impacts from gravel extraction activities include loss of channel stability; changes in deposition patterns, changes in width-to-depth ratio, and loss of scour potential, causing pool filling.

The Mercer-Fraser Company will implement Best Management Practices (BMPs) to minimize direct impacts to the channel. The BMPs include the use of existing roads and processing sites. All excavation machinery will be kept out of the low-flow and/or wetted channel at all times. When extraction sites are designated near an active channel, a one-foot minimum vertical offset from the surveyed low-flow channel water surface or a minimum horizontal offset must be incorporated, depending on site-specific locations. The offsets maintain the integrity of the channel and prevent extraction materials from entering the main or secondary channels. General guidelines for minimizing the impacts of the project are included in a Letter of Permission (LOP) issued by the U.S. Army Corps of Engineers.

The applicant conducts operations under a supplemental Environmental Impact Report (PEIR) for aggregate extraction activities on the Mad River that was adopted by the California Department of Fish and Game (CDFG) in 1994 (SCH #92983049). The County of Humboldt, as the lead California Environmental Quality Act (CEQA) agency, certified a Notice of Determination on July 18, 2001 (SCH#92083049) for gravel extraction activities on the Eel River, pursuant to the California Environmental Quality Act (CEQA). In addition to conditions set forth by the Regional Water Board, the project is also subject to regulatory review and project approval by the California Department of Fish and Game, Army Corps of Engineers, and NOAA Fisheries. These agencies and the County of Humboldt Extraction Review Team require extensive monitoring, data gathering, reporting, site inspections, channel cross section surveys, and aerial photo review.

Regional Water Board staff are proposing to regulate this project pursuant to Section 401 of the Clean Water Act (33 USC 1341) and/or Porter-Cologne Water Quality Control Act Authority. This project may be eligible for coverage by the proposed *General Waste Discharge Requirements and Water Quality Certification for Discharges Related to Sand and Gravel Mining, Excavation, and Processing Activities, Including Asphalt and Concrete Operations, on Non-Federal Lands in the North Coast Region* (General WDRs). The Regional Water Board adopted the General WDRs in a June 21, 2005 public hearing. In addition, staff will consider all comments received during a 21-day comment period that begins on the first date of issuance of this letter. If you have any questions or comments, please contact Regional Water Board staff Dean Prat by phone at (707) 576-2801, or email dprat@waterboards.ca.gov within 21 days of the posting of this notice.