

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION**

MONITORING & REPORTING PROGRAM NO. R3-2004-0011

For

**Smelt-Locatelli Timber Harvest Plan
(1-04-008 SCR)
Santa Cruz County**

1. MONITORING POINTS

- a. **Up and Down Stream of Stream Crossings X2 and X3** – Turbidity samples shall be collected between 10 and 30 feet up and down stream of the stream crossings.
- b. **Up and Down Stream of the Timber Harvest Plan** – Since a Class I Watercourse is present in the timber harvest plan, then up and down stream monitoring points shall be established at Monitoring Points A and B, respectfully (See Attachment A). These monitoring points shall be monitored for turbidity as described below.
- c. **Visual Monitoring Points** – Visual monitoring is required for all roads, watercourse crossings, landings, skid trails, water diversions and, if possible, all watercourse confluences and known landslides on the timber harvest plan.
- d. **Photo Point Monitoring Points** - Photo-point monitoring points shall include the top and bottom of each landslide, up and down stream of each watercourse crossing, each watercourse confluence, and each landing. Flagging, rebar or another method of establishing the photo-point site locations shall be utilized. The document entitled “Standard Operation Procedure 5.2.3 - Photo documentation Procedure” shall be utilized as the protocol for all photo-point monitoring.

2. MONITORING CONSTITUENTS/FREQUENCY

- a. **TURBIDITY:** All monitoring points included under 1.a and 1.b above shall be monitored for turbidity. During active timber harvest activities and at least one year following timber harvest activities, samples shall be collected within 24 hours of the end of all storm events of two inches of rain or greater within a 24-hour period. Starting in the second year following the end of timber harvest activities, samples shall be collected within 48 hours of the end of all storm events of three inches or greater within a 24-hour period. If any down stream sample is significantly higher (i.e., at least 50% higher turbidity reading), then the source of the turbidity shall be investigated promptly. If possible, the source of turbidity shall be controlled. Additional turbidity measurements shall be collected to confirm the turbidity source(s).
- b. **VISUAL MONITORING:** All visual monitoring points shall be monitored for existing or potential sources of erosion. During active timber harvest activities and for at least one year following timber harvest activities, visual monitoring shall be performed within 24 hours of all storm events of two inches of rain or greater within a 24-hour period. Starting in the second year following timber harvest activities, visual monitoring shall be performed within 48 hours of all storm events of three inches of rain or greater within a 24-hour period.

- c. **PHOTO-POINT:** All photo-point monitoring points shall be monitored following the first significant storm event during and following completion of timber harvest activities and following any significant storm event during the month of April. Starting in the second year following second year following completion of timber harvest operations, the photo-point monitoring following the first significant storm event of the wet season may be discontinued (i.e., only the April photo point monitoring is required). A significant storm event shall be any storm of two or more inches of rain in a 24-hour period. Photo-point monitoring shall occur within 7 days of these storm events.

3. DATA LOGGING AND REPORTING

- a. **LOGBOOKS:** The Discharger shall maintain logbooks for recording all visual and water analysis data. These logbooks shall be made available for inspection to the Regional Board staff when requested with at least 24 hours notice.
- b. **SEDIMENT RELEASE REPORTING:** Whenever at least one cubic yard of soil is released to a waterway due to natural or anthropogenic causes, or when turbidity is over 100 % greater down stream compared to upstream (of a crossing or the Plan), then this event shall be reported to the Board within forty-eight (48) hours.
- c. **VIOLATION REPORTING:** If a violation of the Forest Practice Rules occurs which is related to water quality, then this event shall be reported to the Regional Board within twenty-four (24) hours.
- d. **ANNUAL REPORT:** By August 15 of each year , an Annual Report shall be submitted to the Regional board that addresses the following:
 - i. A summary of timber harvest activities that occurred the previous year and are planned for the following year.
 - ii. A summary of all wet weather problems observed,
 - iii. A summary of all erosion control practices implemented,
 - iv. Recommendations for wet weather preparation for the next year,
 - v. Summary of the water quality monitoring performed during the previous year, and
 - vi. Recommendations for improving the monitoring and reporting program.

4. OTHER

- 1. The Discharger is responsible for ensuring that all monitoring is done in safe manner. If any monitoring point is too dangerous to sample, then this circumstance shall be reported to the Board within 48 hours.
- 2. This Monitoring & Reporting program may be changed and rescinded at the discretion of the Executive Officer.

Ordered By: _____
Executive Officer

Date: _____