

September 12, 2007

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

Ken Cory, Jess Jackson, and Bill Myers
Sausal Creek Bank Stabilization Project
WDID# 1B07114WNSO

Sonoma County

On August 6, 2007, the North Coast Regional Water Quality Control Board (Regional Water Board) received an application from Sotoyome Resource Conservation District, on behalf of Ken Cory, Jess Jackson, and Bill Myers (Applicant), requesting a Water Quality Certification and/or Waste Discharge Requirements (Dredge/Fill Projects) for the Sausal Creek Bank Stabilization Project located in Sonoma County. The proposed project causes permanent impacts to 511 linear feet of stream bank on Sausal Creek within the Geyserville Hydrologic Sub Unit No. 114.25.

The proposed project is located on Sausal Creek in Healdsburg, Sonoma County, California, (APN. No(s) 131-200-023, -014, -019, -011). The latitude and longitude is 38.6684°N and -122.8080°W. The purpose of the project is to stabilize and re-vegetate approximately 511 linear feet of creek bank, reduce sediment delivery to the creek, and preserve the landowners property. Bank stabilization techniques will include excavation and re-sloping of the stream bank (208 cu. yd. cut and 340 cu. Yd. Fill), and installation of minimal rock rip rap (no more than 179 cu. yd.), use of biodegradable erosion control fabric, and heavy native planting. There are three landowners participating in this project, and work on their properties is designed to collectively address the expanse of the active erosion in the creek. Vegetation removal shall be avoided whenever possible. The landowners will install native plant species along the banks of the sediment basin as well as the banks of the wet crossing. Native species will include Oregon Ash (*Fraxinus latifolia*), Toyon (*Heteromeles arbutifolia*), California wild rose (*Rosa californica*), Snowberry (*Symphoricarpos albus var laevigagus*), California Black Walnut (*Juglans californica*), Big Leaf Maple (*Acer macrophyllum*), California Box Elder (*Acer negundo*), California Buckeye (*Aesculus californica*), and others as available.

Specific engineering protocols for each property are outlined below:

White Oak Vineyards

A 125 foot section of stream bank along White Oak Vineyards (east bank of Sausal Creek) will be restored with 15 inch toe rock in a 3ft x 3ft trench extended to a height of 6 feet at a 1.5:1 slope. The toe rock trench is constructed in alignment with the bank prior to erosion, approximately 10-15 feet horizontally from the current top of bank. Backfill will be a 2% slope into the existing bank. Behind the rock will be planted with native vegetation and willows. Backfill will be soil and gravel from the opposite bank (Kendall-Jackson property). This borrow site widens the channel to the minimum 2 year

flow capacity width. The willow post plantings will be planted into the saturated zone (4-5 feet deep).

Kendall-Jackson Jimtown Vineyard

Two sections of eroded stream bank will be restored on the Kendall-Jackson property (western bank of Sausal Creek). The upstream 75 foot section will be fitted with a 3 foot willow wall revetment. Brush mattress will be secured in a trench at the toe of the bank and tied into stable bank sections, upstream and downstream of the eroded stream bank. A root wad or large rock placed at the upstream end of the willow wall and brush mattress will prevent bank failure. 15 inch toe rock and compacted backfill will be planted with native vegetation and willows will restore the downstream 125 foot section. The toe rock will be placed in a 3 ft x 3 ft trench extending to a height of 6 feet. At a 1.5:1 slope. The toe rock trench will be aligned with the original bank toe prior to where the erosion begins, approximately 15-20 feet horizontally from the current top of bank. The backfill will have a 2:1 slope extending into the current top of bank. The finished slope will be planted with native vegetation and willow posts. A few small trees will be relocated from the channel center to the Western bank downstream of the restored area.

Ken Cory Farms

Two sections of eroded stream bank will be stabilized on Ken Cory's property (east bank of Sausal Creek). 24 inch toe rock and compacted backfill at a 1.5:1 slope, will be planted with native vegetation on the upstream 25 foot section. The toe of the compacted backfill will be aligned consistent with the bank alignment prior to the erosion event. The finished slope will be planted with native vegetation. A 3-foot willow wall revetment with planted, compacted backfill will stabilize the downstream 115-foot section. The compacted backfill toe will be aligned with the top of bank prior to erosion, approximately 5 feet horizontally from the current top of bank. The backfill will be placed at a 2:1 slope extending to the current top of bank. The finished slope will be planted with native vegetation. A 3-foot willow wall revetment is secured in a trench at the toe of the backfill. The willow wall revetment will be tied into the stable bank sections upstream and downstream of the compacted backfill.

This project is designed to be self mitigating as the bank stabilization and planting will reduce sediment delivery to the creek, provide creek shading, and reduce threats to life and property. Future monitoring, maintenance and management of the site after construction are the responsibility of the landowner. An 85% survival rate of all proposed plant species after five years will be implemented. Yearly monitoring reports will be submitted detailing replanting plan status.

At a minimum, the following construction Best Management Practices (BMPs) will be incorporated into the final project plans in order to reduce and control soil erosion: work in and around waterways will be conducted during the dry season; installation of construction barrier fencing to preclude equipment entry into sensitive areas; installation

of silt fencing or fiber rolls to prevent sediment loss from immediate work area; topsoil salvage and reapplication; and seeding and mulching.

The Sausal Creek Bank Stabilization Project is scheduled to begin in summer 2007 and end in Fall 2009. Staff is 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. 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 staff member Stephen Bargsten at (707) 576-2653, or at sbargsten@waterboards.ca.gov, or Darren Bradford at (707) 576-2466, dbradford@waterboards.ca.gov, within 21 days of posting of this notice.

This is a brief summary of this project; all related documents and comments received are on file and may be inspected or copied at the Regional Water Board office, 5550 Skylane Blvd., Boulevard, Suite A, Santa Rosa, California. Appointments are recommended for document review. Appointments can be made by calling (707) 576-2220.