Elk River Restoration Summit

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Track Elk River TMDL development, and download documents for review and comment:

<u>http://www.waterboards.ca.gov/northcoast/</u> progams/tmdl/elk

Sign-up for announcements pertaining to Elk TMDL:

http://www.waterboards.ca.gov/resources/ email_subscriptions/reg1_subscribe.shtml



Elk River Watershed 58.3 square miles - North Fork Elk River (22.5mi²)

- South Fork Elk River (19.5 mi²)
- Lower Elk River (10.4 mi²)
- Martin Slough (5.9 mi²)















Beneficial Use Impairment & Exceedence of Water Quality Objectives

- Sediment deposition
 - Reduced channel capacity; altered morphology
 - Nuisance flooding conditions
 - Pool filling; spawning habitat
- Elevated suspended sediment concentrations and turbidity levels
 - Limit fish feeding and survivability
 - Limit water supplies; increased maintenance



<u>Comparison with historic conditions</u>: USGS gaged Upper Mainstem (1958-1967) PL reoccupied site beginning in 1998





Nuisance Flooding Conditions

LIMIT 35

(California Water Code section 13050.)

Sediment loads and ongoing deposition







Draft Management Sources Summary









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Current Regional Water Board Program in Upper Elk

- Inventory, Prioritize, Treat & Monitor existing sediment sources
- Ensure timber harvest plan activities don't create new sources of sediment; limit overall disturbance
- Track landslides and instream sediment loads



Anticipated Upper Elk TMDL Implementation Program

- Build on current framework to further control management-related sediment loads
- Strategy to alleviate impairment from stored sediment

Restoration objective

Develop collaborative, scientifically-based restoration strategy with specific actions designed to hasten recovery of beneficial uses of water and related ecosystem functions in the lower Elk River

Define Channel Restoration Approach

- Stakeholder representation and leadership structure to promote buy-in
- Technical strategy capable of evaluating effects of individual and multiple actions, in combination with reduced sediment loads
- Identified actions would have a high likelihood of success and support

The time is ripe



- New upstream landowner
- Lawsuits are settled
- Sediment control measures well underway
- TMDL pending
- Momentum from grant
- It is the perfect to time to get together, figure it out, and move a restoration strategy forward!