Individual Proposal Report

Title: Sedimentation Movement and Availability in the Delta (D283)

Geographic Area: Delta

Primary Stressor Addressed: Channel Form Changes

Project Type: Monitoring

Applicant Type and Name: Federal. David Schoellhamer, U.S. Geological Survey, (916) 278-3126.

Funding: The applicant has requested $833,000. CALFED approved funding for the first 2 years for $587,010 with 1997 funds. It is recommended that the remainder of the third year of the project, $246,000, be funded with 1998 monies.

Cost Share: The USGS Federal/State Cooperative Program will provide $213,200 in cost share.

Project Description: The primary objective of this three-year study is to describe the movement and availability of sediment needed for habitat restoration. Both suspended load and bed load sediment will be monitored at several sites. The data will be analyzed to determine the variations in sediment transport that occur with seasonal changes in the watershed, flow magnitude, tidal cycles, and local fluctuations in sediment supply.

ERPP Linkage: The proposal meets the goals of the Ecosystem Restoration Program Plan (CALFED, Volume II, 28 July 1997) because sediment is the raw material for habitat restoration projects, and restoring wetland and riparian habitats is an essential element of the restoration strategy for the Sacramento-San Joaquin Delta Ecological Zone (page 42).

AFRP Linkage: This proposal contributes toward making all reasonable efforts to at least double natural production of anadromous fish as it supports the following evaluations listed in the Revised Draft Restoration Plan for the Anadromous Fish Restoration Program (USFWS, 30 May 1997): (1) Evaluate potential benefits of and opportunities for increasing salmonid and other anadromous fish production through improved riparian habitats in the Delta (Sacramento-San Joaquin Delta Evaluation 4, page 105); and (2) Evaluate benefits of and opportunities for additional tidal shallow-water habitat as rearing habitat for anadromous fish in the Delta (Sacramento-San Joaquin Delta Evaluation 6, page 105).

Applicant's Proposed Monitoring: Monitoring is an integral part of this study. CALFED staff will review and revise the proposed monitoring plan as necessary.

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