ProjectYear_2A2nd YearProjectTypeQuestionnaire_2BInterim Questionnaire

ProjectNo 2C U-04-SC-005

Preparer Information J. Toby Minear PrepName 1A tminear@berkeley.edu PrepEmail_1B 510-847-4454 PrepPhone_1C **Project Information** StartDate_3a 9/01/05 ProjectNo_2C U-04-SC-005 EndDate_3b 8/31/08 ProjectTitle 4 Long-term Geomorphic Effects of Dams on Rivers in the Central Valley of California: A Comprehensive and Comparative Approach **CALFed Fellow contact information** FelLast_5B Minear FelTitle 5A Mr FelFirst 5C Justin Toby Fellnit_5D **Fellnstitution_5E** University of California, Berkeley FelDepartment_5F Landscape Architecture and Environmental Planning FelStreetAddr_5G 466 49th St FelState_5l CA FelZip_5J 94609 FelCity_5H Oakland FelPhone 5K 510-847-4454 FelFax_5L FelEmail_5M tminear@berkeley.edu FelPositionTitle_5N PhD candidate Research Mentor (for additional please see #8) RMLastName_6B Kondolf RMTitle_6A Dr **RMFirstName 6C** G. Matt RMInit_6D **RMInstitution_6E** University of California, Berkeley Landscape Architecture and Environmental Planning RMDepartment_6F 202 Wurster Hall RMStreetAddr_6G RMState_6I CA RMZip_6J 94720 Berkeley RMCity_6H RMPhone 6K 510-644-8381 RMFax_6L RMEmail 6M kondolf@berkeley.edu Associate Professor RMPositionTitle 6N Community Mentor (for additional please see #9) CMTitle 7A Mr CMLastName_7B Buer CMFirstNamt_7C Koll CMInit_7D California Department of Water Resources (retired) **CMInstitution 7E** CMDepartment_7F CMStreetAddr_7G 2440 Main St CMCity_7H Red Bluff CMState_7I CA CMZip_7J 96080

California Sea Grant College Program CALFed Progress Questionnaire	ProjectYear_2A TypeQuestionnaire_2B	ProjectNo_2C naire	<u>U-04-SC-005</u>
CMPhone_7K <u>916-527-6530</u> CMEmail 7M buerk@water.ca.gov	CMFax_7L		
CMPositionTitle_7N (retired) geomorpholo	ogist / geologist		
Additional Research Mentors and Communit	ry Mentors		
Additional Research Mentors_8 Kris Vyverberg, CDFG Sacramento, 1 CA 95814, 916-445-0411, kavberg@c Dr. Michael Singer, USGS Post-doc, r 510-813-4848 Dr. Peter Downs, Stillwater Sciences, #400, Berkeley, CA 94705, 510-848-8 downs@stillwatersci.com	lfg.ca.gov ndsinger@usgs.gov 2855.Telegraph Ave 3098	 	

Project Objectives: Please type your responses, and answer the questions in a style appropriate for laymen.

ProjectObjectives_10

My objectives for this study are the quantification and comparison of the hydrologic and geomorphic alterations that have occurred on the major dammed tributaries in the Central Valley of California. Specifically, I am quantifying pre- and post-dam sediment budgets, sediment deficits and changes in the magnitude and frequency of the geomorphic processes affecting the channel and associated communities. Additionally, at eight to twelve study sites, I am evaluating the corresponding changes that have occurred in channel form. From the previous analyses, this study will provide specific and accurate recommendations for CalFedís hydrologic and geomorphic restoration targets, particularly for the programmatic targets: iCentral Valley Streamflowsî and iCoarse Sediment Supplyî (CalFed ERPP Volume II).

Summary of progress in meeting each of these goals and objectives

ProgressSummary_11

ProjectNo 2C U-04-SC-005

TypeQuestionnaire_2B Interim Questionnaire

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PROJECT MODIFICATIONS: Please explain any substantial modifications in research plans, including new directions pursued. Describe major problems encountered, especially problems with experimental protocols and how they were resolved. Describe any ancillary research topics developed.

Modifications 12 ALCORE DESCRIPTION DE SELECTION DE LA CONTRACTOR DE LA CONTRACTÓRIO DE LA CONTRACTÓRIO DE LA CONTRACTOR DE LA CONTRACTÓRIO DE LA CONTRACTÓRIO

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California Sea Grant College Program CALFed Progress Questionnaire	ProjectYear_2A TypeQuestionnaire_2B	2nd Year Proj Interim Questionnaire	jectNo_2C	<u>U-04-SC-005</u>	
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TypeQuestionnaire_2B Interim Questionnaire

PUBLICATIONS: List one publications, presentations, or pasters that have resulted from this funded research. Give as many default as possible, including status of paper (e.g., in review in press), purnal name, conference doction and date of presentation. Revise note (as sufficient in the conditions of the assord) that each failer is required to submit an abstract for an area or paster presentation at each State of the Estuary conference and CAUTED Editors. Conference during the duration of the fellowing.

Publications_14

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California Sea Grant College Program CALFed Progress Questionnaire	ProjectYear_2A TypeQuestionnaire_2E	A2nd YearProjectNo_2CBInterim Questionnaire	<u>U-04-SC-005</u>	
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California Sea Grant College Program CALFed Progress Questionnaire	ProjectYear_2A2nd YearProjectNo_2CTypeQuestionnaire_2BInterim Questionnaire	<u>U-04-SC-005</u>

ProjectYear_2A	2nd Year	ProjectNo_2C	U-04-SC-005
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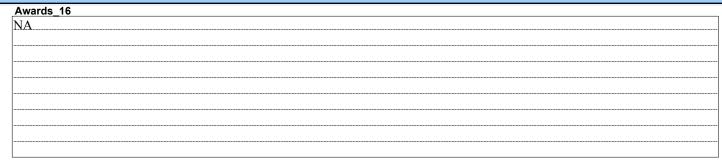
California Sea Grant College Program CALFed Progress Questionnaire

COOPERATING ORGANIZATIONS: List those agencies and/or persons who provided financial, technical or other assistance to your project since inception. Describe the nature of their collaboration.

CoopOrganiz_15

California Department of Fish and Game (Kris Vyverberg) - technical assistance and advice regarding rivers around Sacramento. California Department of Water Resources (Koll Buer) - provided technical feedback and advice for rivers in the Northern Sacramento Valley. U.S. Geological Survey (Michael Singer) - provided advice on sampling methods and overall scope for Northern Sacramento Valley Rivers. Stillwater Sciences (Peter Downs) - provided advice on overall scope and methods for the San Joaquin Tributaries. McBain & Trush (Scott McBain) - provided advice on sampling protocol and methods for the overall project.

AWARDS: List any special awards or honors that you, or mentor or members of the research team, have received during the duration of this project.



KEYWORDS: List keywords that will be useful in indexing your project.

Keywords_17

Central Valley rivers, geomorphology, sediment, fisheries, gravel, hydrology

PATENTS: List any patents associated with your project.

California Sea Grant College Program CALFed Progress Questionnaire	ProjectYear_2A TypeQuestionnaire_2B	2nd Year ProjectNo_2C Interim Questionnaire	<u>U-04-SC-005</u>	
Patents_12 Experiences				
Additions: Additional information can b	oe added here. Please l	begin the text with the		
number of the question you are adding	to.			

California Sea Grant College Program CALFed Progress Questionnaire	ProjectYear_2A 2nd Year TypeQuestionnaire_2B Interim Question	ProjectNo_2C U-04-SC-005	-