



CALFed Progress Questionnaire
California Sea Grant College Program

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 TypeQuestionnaire_2B Interim Questionnaire

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Project Information

ProjectNo_2C R/SF - 4 StartDate_3a 7/1/03 EndDate_3b 6/30/04
 ProjectTitle_4
An Investigation of Floodplain Habitat for California's Native Fishes

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Research Mentor (for additional please see #8)

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Community Mentor (for additional please see #9)

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Additional Research Mentors and Community Mentors

Additional Research Mentors_8

Additional Community Mentors_9

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

ProjectObjectives_10

1. Develop conceptual models of historic and current Central Valley floodplains, including the interaction of hydrology, geomorphology, and ecology.
2. Write the CALFED Floodplain white paper. This paper will be a review of the current state of knowledge of Central Valley floodplains, incorporating the conceptual models described above. The paper will provide an overview of historical and current impacts, restoration programs, and future issues.
3. Organize a workshop to receive expert input on developing indicators for quantifying area of functioning floodplain, monitoring floodplain status and for guiding restoration.
4. Develop an area-based indicator for quantifying and monitoring floodplain habitat, and organize second workshop to receive expert input.
5. Organize a scientific symposium to present floodplain indicator, conceptual model, and CALFED white paper to a panel of scientists from agencies, NGOs, academia, and the private sector.
6. Organize a public conference on floodplain restoration.
7. Collaborate with NHI to incorporate floodplain inundation as an ecological response variable for their research on reservoir reoperation and conjunctive water management.

Summary of progress in meeting each of these goals and objectives

ProgressSummary_11

1. In May, we convened a workshop in Davis with 15 expert participants to discuss floodplain indicators.
2. For this May workshop, I wrote a draft paper on conceptual models for Central Valley floodplains and received feedback from the expert panel.
3. I am currently collaborating with Phil Williams and Associates (PWA) to develop an indicator of floodplain habitat that can be used to quantify the amount of existing functioning floodplain and aid restoration programs. This research will then be presented to the expert panel at a second workshop in November.
4. I am currently working on a draft of the Calfed Floodplain white paper, which will be presented in draft form to a scientific symposium to be held in January.
5. I am currently organizing both the scientific symposium and a public conference, both to be held in January 2005.

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

My project proposal described a field-based research progress. In consultation with member of the CALFED Science Program staff, we changed the emphasis of this research to writing the CALFED white paper and developing indicators of floodplain habitat.

BENEFITS AND APPLICATIONS: Suggest the relevance of these new findings to management. Describe any accomplishment, that is significant effects your project has had on resource management or user group behavior. CALFED is looking for "management cue" (see <http://science.calwater.ca.gov/pdf/soemgmtcues.pdf>).

BenefitsApplic_13

The CALFED Floodplain White Paper - and the process with which we will write it including presentation, feedback, and review - will contribute to CALFED's knowledge base on floodplains and river management. We will help CALFED elaborate on its goals and strategies for floodplain restoration, identify important knowledge gaps, and spur discussion on program effectiveness. The development of indicators of floodplain habitat will contribute to CALFED's goals of ensuring the effectiveness of its restoration program and developing management cues.

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

Phil Williams and Associates
Natural Heritage Institute

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.

Awards_16

n/a

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

Keywords_17

floodplain, floodplain restoration, indicators

PATENTS: List any patents associated with your project.

Patents_18

n/a

