

QUARTERLY PROGRAMMATIC REPORT

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 Project Manager Jeff Hart
 CALFED Project # 97-N13
 Quarter Ending: April 15

Deliverables			
Name of Deliverable	Due Date	% of Work Complete	Date Deliverable Complete
Task 1			
Subtask 1. Mapping			
Draft contracts	11-1-98	100%	
Final contracts	01-12-98		
GIS map and report	09-15-98	80%	May 1, 1999
Subtask 2. Vegetation survey			
GIS vegetation map, species list, and report	08-15-98	80%	May 1, 1999
Subtask 3. Invertebrate/fish survey			
Draft contract	08-05-98		
Final contract	08-10-98		
Baseline fisheries/aquatic Invertebrates report	08-30-98	80%	Jan. 15, 1999
Subtask 4. Geomorphic/hydraulic analysis			
Draft contract	07-15-98	100%	
Final contract	07-20-98	100%	
Geomorphic/hydraulic report	08-15-98	100%	March 3, 1999
Subtask 5. Description/classification of Restoration sites			
Reach classification report	09-30-98	100%	March 3, 1999
Subtask 6. Restoration plan			
Restoration plan	11-01-98	90%	May 1, 1999
Subtask 7. Monitoring plan			
Biological monitoring plan	12-01-98	90%	May 1, 1999
Subtask 8. Planning			
Planning documents	08-01-98	100%	
Copies of permit applications	09-01-98	100%	
Copies of correspondence	On going	100%	

Final permits	10-15-98	100%	Completed
Subtask 9. Purchase, preparation of plant materials		100%	Completed
Status of materials and propagation will be described in quarterly reports			
Subtask 10. Miscellaneous expenses		40%	Ongoing
Receipts			
Subtask 11. Project management			
Described in quarterly reports		90%	Ongoing

Narrative

I. Description of activities performed during the quarter, by task.

Subtask 1. Mapping. To date, considerable mapping has been accomplished. Two sets of already collected digital information have been obtained. One of these is a set of digital data from Ayres, which includes information from Georgiana Slough. The other set of information, developed by DWR, is for the Mokelumne River. Both of these sets are being incorporated into a GIS system. We have had some difficulty of transferring some of this data (specifically, the elevations of the contours) from AutoCad into ArView. It appears that we have now worked out these glitches. New work by KSN includes color aerial photos. These have been rectified, based upon field surveyed control points, and have been incorporated into the GIS system. These airphoto maps have been used as the basis for the mapping of the vegetation and erosion sites.

Subtask 2. Baseline Vegetative Survey. With the airphotos now completed and incorporated into the GIS, a broad based vegetation survey has been completed. A map showing the linear coverage of mature riparian, scrub riparian, giant reed (a weed), and plantable berm surfaces has been completed. Also included is a species list of the plants found on Georgiana Slough.

Subtask 3. Invertebrate/Fish Baseline Inventory. The initial macroinvertebrate survey was completed in the fall, 1998. The initial results appeared inconclusive. Since then the subconsultant has looked more carefully at the collected samples, using a staining technique that revealed numerous organisms hidden in the filamentous algae within the samples. Based on this new information, we have concluded that the planting of instream cover would increase the abundance of macroinvertebrate fauna in the Delta. We will therefore develop methods to monitor invertebrates once the restoration has been completed.

Subtask 4. Baseline Geomorphic/Hydraulic Survey. The final report of the baseline geomorphic/hydraulic survey of both Georgiana Slough and North Fork Mokelumne has been completed.

Subtask 5. Description/Classification of Restoration Reaches. The final report of the baseline geomorphic/hydraulic survey and a description/classification of the restoration reaches have been completed for both Georgiana Slough and North Fork Mokelumne.

Subtask 6. Restoration Plan. The restoration plan is basically complete, but is now being edited and reproduced.

Subtask 7. Monitoring Plan. The monitoring plan is being developed simultaneously with the restoration plan and will be part of one product. This plan is nearly complete. It is being edited and will be available within two weeks.

Subtask 8. Planning. As indicated in the last quarterly report, the planning process required to secure the necessary permits has been completed.

Subtask 9. Securing/Preparation of Plant Materials. This subtask is now complete. To date we have prepared more than 20,000 plants, of several species, ranging in size of 9-inch deep treebands to several gallon ballast buckets.

Subtask 10. Miscellaneous Expenses. As indicated in the previous quarterly, the largest expense for this item is a "workboat", the purchase of which has been delayed. I am still in the process of shopping for the most appropriate vessel from which to install biotechnical materials.

Subtask 11. Project Management. Project management involves ongoing coordination among other consultants, development of contracts and work agreements, etc.

II. Problems and delays encountered by task.

This first task is rapidly coming to a conclusion. We anticipate completing most of the task by the end of April.

III. Other issues or comments.

One of the major issues that needs to be addressed before implementation is gaining permission from Fish and Wildlife Service and National Marine Fisheries to be able to work within the tidal wetland zone outside of the August 1-November 30 window. I have recently opened up discussions through the COE. We would like to begin work on June 1.

IV. Please identify your projected expenses for each of the next three months in the following quarter to assist in the timing of State bond sales which fund this project.

Month 1 \$ 30,000 Month 2 \$ 20,00 Total for quarter \$50,000