

**Title** Knights Ferry Gravel Replenishment Project  
**Applicant:** Carl Mesick Consultants  
**CALFED Project Number:** 97-N21

**Budget year:** 1999  
**Statement Quarter:** 1

**Total Estimated Cost of Phase I:** \$633,000  
 Funding from Federal Bay-Delta Account 536,410  
 Stockton East Water District 90,000  
 Carl Mesick Consultants In-Kind Services 6,590  
 (Labor & Travel Provided for Task 1)  
 Phase I schedule 3 years

**Total Project Estimated Completion Date:** 3 years

	PHASE I (Quarterly Budget)				PHASE I (FY '99 Budget)				PHASE I (Three Year Budget)			
	Budget	Accrued Expenditur	Variance	**	Budget	Accrued Expenditur	Remaining Balance	**	Budget	Accrued Expenditures	Balance to Complete	**
<b>Task 1: Monitoring Plan, Site Approval &amp; Permission, Quarterly Reports</b>	\$0		\$0	1	\$0		\$0	1	\$0		\$0	1
Schedule: FY '98 through FY '99												
Percent Work Complete for Task 1: 98%												
1a Development of Ecological Monitoring Plan												
1b Agreements to Access Project Sites												
1c Site Approval by Agencies												
1d Deliver Quarterly Reports												
1e Draft and Final Subcontract Review												
<b>Task 2: Environmental Documentation and Permitting</b>	\$5,121	\$5,121	\$0		\$17,700	\$5,121	\$12,579		\$17,700	\$5,121	\$12,579	
Schedule: FY '98 through FY '99												
Percent Work Complete for Task 2: 30%												
<b>Task 3: Pre-Project Habitat Evaluations</b>	\$13,335	\$13,335	\$0		\$30,000	\$13,335	\$16,665	2	\$30,000	\$13,335	\$16,665	2
Schedule: FY '98 through FY '99												
Percent Work Complete for Task 3: 21% (** 3)												
<b>Task 4: Gravel Placement</b>	\$0	\$0	\$0		\$393,000	\$0	\$393,000		\$395,100	\$0	\$395,100	
Schedule: FY '98 through FY '99												
Percent Work Complete for Task 4: 0%												
<b>Task 5: First Year Post-Project Habitat Evaluations</b>	\$0	\$0	\$0		\$0	\$0	\$0		\$33,000	\$0	\$33,000	
Schedule: FY '98 through FY '99												
Percent Work Complete for Task 5: 0%												
<b>Task 6: Second Year Post-Project Habitat Evaluations</b>	\$0	\$0	\$0		\$0	\$0	\$0		\$26,000	\$0	\$26,000	
Schedule: FY '98 through FY '99												
Percent Work Complete for Task 6: 0%												
<b>10% Contingency</b>	\$0	\$0	\$0		\$0	\$0	\$0		\$34,610	\$0	\$34,610	
<b>Phase I Total:</b>	<b>\$18,457</b>	<b>\$18,457</b>	<b>\$0</b>		<b>\$440,700</b>	<b>\$18,457</b>	<b>\$422,243</b>		<b>\$536,410</b>	<b>\$18,457</b>	<b>\$517,953</b>	

**\*\* Explanation of the Budget :**

- 1 In-Kind Services: Carl Mesick Consultants is contributing all labor and travel to complete Task 1
- 2 An increase of \$2,000 for the Task 2 budget is currently being renegotiated. This would increase the budget from \$28,000 to \$30,000, the original amount in the recipient agreement.
- 3 The Task 3 budget is funded 50% from the Federal Bay-Delta Account and 50% from the Stockton East Water District. All work conducted to date has been billed against the Bay-Delta Account whereas the Percent Work Completed reflects the total budget.

# QUARTERLY PROGRAMMATIC REPORT

Program Manager Spencer Shepherd Phone 415-778-0999 x 24  
 Project Manager Carl Mesick  
 CALFED Project # 97-N21  
 Quarter Ending Dec 31, 1998

	<u>Name of Deliverable</u>	<u>Due Date</u>	<u>% of Work Complete</u>	<u>Date Deliverable Complete</u>
<b>Task 1</b>				
Subtask a	Draft EMP	07-17-98	100%	07-17-98
Subtask a	Final EMP	1 month after receiving comments	100%	10-23-98
Subtask b	Access Agreements	10-20-98	100%	10-23-98
Subtask c	Agency Site Approval	10-20-98	100%	10-23-98
Subtask d	Quarterly Report	01-10-99	100%	01-05-98
Subtask e	Draft EGP Subcontract		100%	08-08-98
Subtask e	Final EGP Subcontract	Prior to beginning Task 4	90%	
Subtask e	Draft MBKCE Subcontract		100%	12-02-98
Subtask e	Final MBKCE Subcontract	Prior to completing Task 2	100%	12-18-98
<b>Task 2</b>				
Subtask 1	Notification of when applications have been submitted	5 months prior to beginning Task 4 Construction	45%	
Subtask 2	Notification of when permits have been received	Prior to beginning Task 4 Construction	0%	
Subtask 3	Copies of final environmental documentation & permits	Prior to beginning Task 4 Construction	0%	
<b>Task 3</b>				
Subtask 1	Pre-Project Evaluation Report	12-31-99	21%	
<b>Task 4</b>				
Subtask 1	As-built streambed profiles	11-30-99	0%	

	<u>Name of Deliverable</u>	<u>Due Date</u>	<u>% of Work Complete</u>	<u>Date Deliverable Complete</u>
Task 5				
Subtask 1	1 <sup>st</sup> Year Post Project Evaluation Report	06-01-2000	0%	
Task 6				
Subtask 1	2 <sup>nd</sup> Year Post Project Evaluation Report	06-01-2001	0%	

### Narrative

#### 1. Description of activities performed during the quarter, by task.

Task 1. The draft Ecological Monitoring Plan was submitted to the review committee on 17 July 1998. Comments were received on 1 October 1998 and the plan was finalized on 23 October 1998. The Monitoring Plan Review Committee was given an interim report on the work done-to-date on the Pre-project Habitat Evaluation (Task 3) on 17 December 1998. Access agreements from two private landowners were provided to NFWF on 23 October 1998. New project sites were selected after an inspection of the river on 10 September 1998 due to substantial changes in the streambed caused by 12 months of high flows that continued until the inspection. The locations of the new sites were submitted to fishery biologists with the Department of Fish and Game and U.S. Fish and Wildlife Service for approval on 20 September 1998. The approval letters from the agencies were provided to NFWF on 23 October 1998. The first draft EGP subcontract was submitted 9 July 1998 and the second draft was submitted on 8 August 1998. The draft subcontract with MBKCE was submitted on 2 December. The final MBKCE contract was provided on 18 December 1998. Carl Mesick Consultants has contributed this work, without charge, for this task.

Task 2: Environmental Documentation and Permitting. The draft CEQA documentation is 95% completed. It will be submitted as soon as the Lead Agency has been selected. The information contained in the CEQA documentation and a flood assessment will be sufficient for all other permit applications. A flood assessment of the planned project is being made by Murray, Burns and Kienlen Civil Engineers (MBKCE). Streambed and water surface elevation data were supplied to MBKCE and an engineer with MBKCE has surveyed the project sites. MBKCE's report should be completed by 31 January 1999.

Task 3: Pre-Project Habitat Evaluations. Flows in the Stanislaus River were reduced to a workable level on 27 October 1998 and data collection began on 28 October. Chinook salmon redds were mapped at seven to ten day intervals through 13 December 1998 when the fish had ceased spawning. Streambed elevations were measured at two transects at each site. Intragravel water quality measurements were made at three to five sites within each riffle during one survey. Additional data will be collected in 1999 when flows are reduced to no more than 400 cfs. These data to be collected include an analysis of the percent fines in the substrate, a

second set of intragravel water quality measurements at the location of the substrate samples, and streambed elevations at four transects at each project site immediately prior to and after construction. Flows during the fall 1998 surveys were 500 cfs, which were too high to safely and efficiently collect these data.

Task 4: Gravel Placement. This task order has not been executed and no work has been done.

Task 5: First-year Post-Project Habitat Evaluations. This task order has not been executed and no work has been done.

Task 6: Second-year Post-Project Habitat Evaluations. This task order has not been executed and no work has been done.

2. Problems and delays encountered by task.

Task 2: Environmental Documentation and Permitting. The selection of the Lead Agency has been delayed. If the Lead Agency is not selected by mid-January 1999, it may not be possible to obtain all the necessary permits in time for construction to begin in June 1999 as scheduled. The Department of Fish and Game, Region IV, has offered to review the CEQA document now to help hasten the process once the Lead Agency has been selected.

Task 3: Pre-Project Habitat Evaluations. Streambed elevation data were not collected at two of four transects at each site and substrate samples were not collected because the flows were too high during the fall 1988 spawning period (late-October to mid-December). Concerns of flooding required that flows in the Stanislaus River were kept very high (1,800 cfs) to reduce storage in New Melones Reservoir until immediately before work began. Even during work, the flows were kept at 500 cfs, which was too deep and fast to safely and efficiently conduct some of the work. There is no guarantee that flows will be low enough during summer 1999 to collect substrate samples for an evaluation of sand and silt concentrations and to fully survey the pre-project streambed elevations at the project sites. If flows are not 400 cfs or lower during summer 1999, then boats will have to be used to measure streambed elevations and the substrate samples cannot be collected at all four sites within each riffle.

Task 4: Gravel Placement. Esquivel Grading and Paving (EGP), the subcontractor that will place 14,500 tons of gravel at the project sites, has requested that Carl Mesick Consultants guarantee their payment before they sign their subcontract.

3. Other issues or comments. None
4. 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 \$5,500 Month 2 \$3,000 Month 3 \$15,000 Total for quarter \$23,500. Expenses during Month 3 assume that Task Order 4 has been executed and that EGP has begun to stockpile gravel as planned.