

i. Proposal number:#2001-B01*

ii. Short proposal title .# Tuolumne River Restoration: Special Run Pool 10 *

APPLICABILITY TO CALFED ERP GOALS AND IMPLEMENTATION PLAN

1a1. Link to ERP Strategic Goals: What Strategic Goal(s) is /are addressed by this proposal? List the letter(s) of all that apply.

A. At-risk species

B. Rehabilitate natural processes

C. Maintain harvested species

D. Protect-restore functional habitats

E. Prevent non-native species and reduce impacts

F. Improve and maintain water quality# A,B,D, and E*

1a2. Describe the degree to which the proposal will contribute to the relevant goal. Quantify your assessment and identify the contribution to ERP targets, when possible.#

This project is a component of a larger management plan for the Tuolumne River. Within this proposal, there are several objectives complementary to increasing the survival of juvenile salmon (Goal A), and address other ERP strategic goals:

- Reduce salmonid fish predator habitat (Goal E).

- Reconstruct natural channel geometry within a 500 foot wide riparian floodway scaled to current channel forming flows that allow active fluvial processes to maintain the restored aquatic habitat (Goal B).

- Restore native riparian plant communities within their predicted hydrological regime (Goal D).

- Restore and increase habitat conducive to rearing and survival of San Joaquin fall run salmon (Goals A and D).

Contributes to ERP targets for increasing habitat and populations of at-risk species in the Tuolumne River.*

1b. Objectives: What Strategic Objective(s) is/are addressed by this proposal? List Objective (from the table of 32 objectives) and describe potential contribution to ERP Goals. Quantify your assessment, when possible.#

Contribution to ERP goals is as described in 1a2. Objectives addressed include:

Goal A, objective 1 - recovery of "R" at-risk species through habitat restoration on the Tuolumne River,

Goal B, objectives 1 and 3 - rehabilitate natural processes to support restoration and maintenance of functional natural habitat for San Joaquin fall-run chinook salmon,

Goal D, objective 2 - Restore extensive habitats and sufficient connectivity among habitats to support recovery and restoration of native riparian habitat and salmon habitat on the Tuolumne River, and

Goal E, objective 3 - Reduce the spread of non-native fish by reducing their habitat in the Tuolumne River.*

1c. Restoration Actions: Does the proposal address a Restoration Action identified in Section 3.5 of the PSP? Identify the action and describe how well the proposed action relates to the identified Restoration Action.#

This action is not specifically identified in the PSP, but the project does address topics under consideration under gravel augmentation projects (p. 41), channel floodplain reconstruction and riparian revegetation (p. 42).*

1d. Stage 1 Actions: Is the proposal linked directly, indirectly or not linked to proposed

Stage 1 Actions? If linked, describe how the proposal will contribute to ERP actions during

Stage 1.# This is an action to implement large-scale, restoration projects on select rivers. This project is part of the restoration effort for Stage 1 action 17d, Tuolumne River Restoration Implementation Actions, and the Tuolumne River has been identified a a large-scale demonstration stream in the ERP.*

1e. MSCS: Describe how the proposal is linked to the Multi-Species Conservation Strategy and if it's consistent with the MSCS Conservation measures. Identify the species addressed and whether the proposal will

"recover", "contribute to recovery" or "maintain" each species.# The ERP and MSCS have identified habitat restoration and predator reduction as contributing to Goal 1, to assist in recovery of at-risk species ("R"). This project contributes to increased areas of riparian habitat, spawning habitat, and a reduction in habitat for non-native predators, primarily smallmouth bass. This project targets San Joaquin River fall-run chinook salmon, with secondary benefits to listed species in riparian habitats.*

1f. Information Richness/Adaptive Probing related to the proposal: Describe the degree to which the proposal provides information to resolve one of the 12 scientific uncertainties (Section 3.3 of the PSP), and whether the proposal offers a prudent approach to answer these uncertainties.#

The evaluation of this project after implementation will contribute to reducing technical uncertainties in relation to channel dynamics, sediment transport, and riparian vegetation reestablishment.*

1g. Summarize comments from section 1a through 1f related to applicability to CALFED goals and priorities. Identify the strengths and weaknesses of the proposal, highlighting the applicability of the proposed project to CALFED and CVPIA goals and priorities. Focus on aspects of the proposal that may be important to later stages in the project review and selection process.#

This project will restore habitat and natural processes for San Joaquin fall-run chinook salmon and riparian species on the Tuolumne River and is a continuation of efforts to improve habitat on the Tuolumne. It is part of an identified Stage 1 action and should be implemented.*.*

APPLICABILITY TO CVPIA PRIORITIES

1i. Describe the expected contribution to natural production of anadromous fish. Specifically identify the species and races of anadromous fish that are expected to benefit from the project, the expected magnitude of the contribution to natural production for each species and race of anadromous

fish, the certainty of the expected benefits, and the immediacy and duration of the expected contribution. Provide quantitative support where available (for example, expected increases in population indices, cohort replacement rates, or reductions in mortality rates).# Fall-run chinook salmon and steelhead rainbow trout will benefit from this project.

Upon completion of this project there will be immediate reduction in the number of outmigrants that could be lost to direct predation by non-native predatory fishes. Enhanced channel dynamics will enhance the ability of outmigrant smolts to pass this reach immediately. Restoration of floodplain and Shaded Riverine habitat will enhance rearing conditions and provide temperature mitigation. Smolt survival studies indicate a reduced survival rate when passing through the mined areas. This project is expected to decrease outmigrant smolt mortality. This proposed action is consistent with Tuolumne River Evaluation 2 of the 1997 Revised Draft Restoration Plan for the AFRP, which states "Evaluate and implement actions to reduce predation on juvenile chinook salmon, including actions to isolate "ponded" sections of the river."*

1j. List the threatened or endangered species that are expected to benefit from the project. Specifically identify the status of the species and races of anadromous fish that are expected to benefit from the project, any other special-status species that are expected to benefit, and the ecological community or multiple-species benefits that are expected to occur as a result of implementing the project.# Steelhead rainbow trout likely will benefit from this project. The project also includes substantial enhancement of riparian and shaded riverine habitats from existing conditions. These

enhancements also will benefit western pond turtle, Swainson's hawk, herons and egrets as well as neotropical migrant songbirds. Over time Riparian woodrat and the Valley elderberry longhorn beetle may benefit from a completely restored riparian corridor in the mining reach. Likewise, other riparian and riverine-dependent species should benefit for this restoration activity.*

1k. Identify if and describe how the project protects and restores natural channel and riparian habitat values. Specifically address whether the project protects and restores natural channel and riparian habitat values, whether the project promotes natural processes, and the immediacy and duration of benefits to natural channel and riparian habitat values.# The primary goal of this project is to enhance salmon habitat by re-creating natural channel and riparian habitat values in a deep, in-river mining pit. The project would restore alternate bar (pool-riffle) morphology and restructure the natural channel geometry scaled to current (impeded) channel forming flows. Floodplain areas will be created and riparian vegetation communities replanted. Improved isolation of off channel mining pits will conserve channel dynamics by reducing the capture of these pits. Physical channel benefits will be almost immediate. Riparian habitat benefits will accrue over a 3 to 25 year period as the vegetation establishes and matures. Recreation of the floodplain and rescaling of the river morphology will allow the channel to be self-maintaining.*

1l. Identify if and how the project contributes to efforts to modify CVP

operations. Identify the effort(s) to modify CVP operations to which the proposed project would contribute, if applicable. Efforts to modify CVP operations include modifications to provide flows of suitable quality, quantity, and timing to protect all life stages of anadromous fish as directed by Section 3406 (b)(1)(B) of the CVPIA, including flows provided through management of water dedicated under Section 3406(b)(2) and water acquired pursuant to Section 3406(b)(3).# This project does not modify existing flows or operations. Also it does not preclude future opportunities to modify flows for the benefit of anadromous fishes.*

1m. Identify if and how the project contributes to implementation of the supporting measures in the CVPIA. Identify the supporting measure(s) to which the proposed project would contribute, if applicable. Supporting measures include the Water Acquisition Program, the Comprehensive Assessment and Monitoring Program, the Anadromous Fish Screen Program, and others.# Monitoring and evaluations resulting from this project will complement studies undertaken in the CAMP.*

1n. Summarize comments from section 1i through 1m related to applicability to CVPIA priorities (if applicable, identify the CVPIA program appropriate to consider as the source of CVPIA funding [for example, the Anadromous Fish Restoration Program, Habitat Restoration Program, Water Acquisition Program, Tracy Pumping Plant Mitigation Program, Clear Creek Restoration Program, Comprehensive Assessment and Monitoring Program, and Anadromous Fish Screen Program]). Identify the strengths and weaknesses of the proposal, highlighting the applicability of the proposed project to CALFED and CVPIA goals and priorities. Focus on aspects of the proposal that may be important to later stages in the project review and selection process.# This project is clearly focused on the objectives of the AFRP, and consistent with its Tuolumne River Evaluation 2 in the 1997 Revised Draft Restoration Plan . Substantial benefits should accrue to anadromous salmonid by increased natural production by reducing smolt mortality from non-native predatory fish and from increased energetic costs of crossing large expanses of slack water. Likewise, rearing and spawning habitat will be increased. The approach focuses on restoring attributes of a functional riparian ecosystem to reduce smolt mortality, enhance rearing potential and restore riparian and shaded riverine habitat. The monitoring is well focused to assess functional effectiveness of the project Past and current mining regulations do not provide protections or reclamation obligations to maintain substantial natural river function, in part because the critical importance of these processes was not well understood at the time. This restoration project has significant potential to influence or refute future proposals for in-river mining in the San Joaquin River Basin.*

RELATIONSHIP TO OTHER ECOSYSTEM RESTORATION PROJECTS

2a. Did the applicant explain how the proposed project relates to other past and future ecosystem restoration projects, as required on page 57 in the PSP? Type in yes or no.#yes*

2b. Based on the information presented in the proposal and on other information on restoration projects available to CALFED and CVPIA staff, describe how the proposed project complements other ecosystem restoration projects, including CALFED and CVPIA. Identify projects or types of projects that the proposed project would complement, now or in the future.

Identify source of information.#This habitat restoration project continues restoration work on the Tuolumne River. Previous work adjacent to this project was funded by CALFED and CVPIA under 97M08. Additional projects on the Tuolumne include 97C11, 97M09, 98C05, 98F07, 99F01, 99F02, DFG projects, and a CVPIA funded sediment management plan. Most of the projects are designed to improve spawning areas and habitat and reduce predation on salmon in the upper reach of the river. Source: Proposal and CALFED quarterly reports.*

RESULTS AND PROGRESS ON PREVIOUSLY FUNDED CALFED AND CVPIA PROJECTS, INCLUDING REQUESTS FOR NEXT-PHASE FUNDING

3a1. Based on the information presented in the proposal and on project reports and data available to CALFED and CVPIA staff, has the applicant previously received CALFED or CVPIA funding? Type CALFED, CVPIA, both, or none .#both*

3a2. If the answer is yes, list the project number(s), project name(s) and whether CALFED or CVPIA funding. If the answer is none, move on to item 4.# CALFED

97M08 - Tuolumne River Channel Restoration (Pool 9)
97M09 and 98F06- Tuolumne River Setback Levees and Channel Restoration_
99F01 Restore Special Run Pool 10 Reach - design, permitting, preproject monitoring
99F02 Restore MJ Ruddy Reach
CVPIA
1448-11332-97-J188 - Tuolumne River Channel Restoration (Pool 9)*

3b1. Based on the information presented in the proposal and on project reports available to CALFED and CVPIA staff, did the applicant accurately state the current status of the project(s) and the progress and accomplishments of the project(s) to date? Type yes or no.#yes*

3b2. If the answer is no, identify the inaccuracies:#

3c1. Has the progress to date been satisfactory? Type yes or no.#yes*

3c2. Please provide detailed comments in support of your answer, including

source of information (proposal or other source):#Proponent has successfully completed or is progressing on earlier projects. Source: Proposal and quarterly reports.*

REQUESTS FOR NEXT-PHASE FUNDING

3d1. Is the applicant requesting next-phase funding? Type yes or no.#yes*

3d2. If the answer is yes, list previous-phase project number(s) here. If the answer is no, move on to item 4.#99F01*

3e1. Does the proposal contain a 2-page summary, as required on pages 57 and 58 of the PSP? Type yes or no.#yes*

3e2. Based on the information presented in the summary and on project reports available to CALFED and CVPIA staff, is the project ready for next-phase funding? Type yes or no.#yes*

3e3. Please provide detailed comments in support of your answers, including source of information (proposal or other source):#Proponent has successfully completed or is progressing on earlier projects and is ready for next phase funding for this project. Source: Proposal and quarterly reports.*

LOCAL INVOLVEMENT

4a. Does the proposal describe a plan for public outreach, as required on page 61 of the PSP? Type yes or no.# yes*

4b. Based on the information in the proposal, highlight outstanding issues related to support or opposition for the project by local entities including watershed groups and local governments, and the expected magnitude of any potential third-party impacts.# The applicant appears to have addressed most potential third party impacts, and has conducted key outreach activities to garner local support for this project. Most notable and beneficial is on-going meetings with landowners and landowner groups. Although outreach has included fishing groups, the applicant should consider on-site communication with the fishing public during the construction phase to explain why modifications are being made in the river near the Fox Grove fishing access.*

ENVIRONMENTAL COMPLIANCE

4d. List any potential environmental compliance or access issues as identified in the PSP checklists.# None*

4e. Specifically highlight and comment on any regulatory issues listed above that may prevent the project from meeting the projected timeline.# None*

COST

5a. Does the proposal include a detailed budget for each year of requested support? Type yes or no.#No, there is only a breakdown of the budget by task, fund source, and task per quarter. Not very detailed.*

5b. Does the proposal include a detailed budget for each task identified? Type yes or no.#No, it is not very detailed, only lump sums.*

5c. Is the overhead clearly identified? Type yes or no.# No breakout of overhead.*

5d. Are project management costs clearly identified? Type yes or no.#Project Management and Construction Management are listed as 3% and 9% respectively.*

5e. Please provide detailed comments in support of your answers to questions 5a - 5d.#Important information lacking*

COST SHARING

6a. Does the proposal contain cost-sharing? Type yes or no.#Yes*

6b. Are applicants specifically requesting either state or federal cost share dollars? Type state, federal, or doesn't matter.#Doesn't matter*

6c. List cost share given in proposal and note whether listed cost share is identified (in hand) or proposed.

6c1. In-kind:#n/a*

6c2. Matching funds:#n/a*

6c3. Show percentage that cost sharing is of total amount of funding requested along with calculation. #CALFED: 2,179,000 dollars or 47%; USFWS-AFRP: 2,384,000 dollars or 52%; TID: 30,000 dollars or 1%. Total: 4,593,000 or 100%*

6d. Please provide detailed comments in support of your answers to questions 6a - 6c3. #All information requested has been provided by project proponent in a clear, concise, and understandable format.*