

**i. Proposal number:#** 2001-K213\*

**ii. Short proposal title .#** Battle Creek Anadromous Salmonid Monitoring Projects\*.

**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\***

**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.#** Restoration of Battle Creek will be a significant step toward the recovery of anadromous salmonids. This proposal is to fund a portion of the monitoring program to judge the success of Battle Creek restoration.\*

**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.#** Goal 1, Objective 1. Achieve, first, recovery and then large self-sustaining population of chinook salmon and steelhead.\*

**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.#** Indirectly. This proposal addresses the PSP request for Fishery Monitoring Assessment, and Research. The proposal includes improving and expanding the inventory and monitoring of fishery resources.\*

**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.**# Battle Creek restoration is identified as a Stage 1 action in Appendix D of the Strategic Plan. This proposal is to conduct a portion of the monitoring associated with the Battle Creek restoration program.\*

**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.#** All the species to benefit from the Battle Creek restoration program are classed as "recover" species in the MSCS.\*

**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 proposal is to primarily sample the various life stages of spring-run chinook salmon and steelhead in Battle Creek throughout the year using three techniques: trapping and counting (weir), snorkeling, and rotary screw trap. The study is not adaptive but it is a means by which biological data will be collected and fed into the overall Battle Creek Adaptive Management Program.\*

**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.#** The proposal is expensive for three years of monitoring. The full monitoring component funded by other agencies and programs is unstated so it is difficult to determine how the proposed monitoring components fit into the larger scheme. The proposal is strictly monitoring and no new methods are being developed. The proposal is not adaptive but the information collected will be used by the Battle Creek Adaptive Management Program.\*

#### **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).**# This proposed anadromous salmonid monitoring project will contribute immediately by documenting benefits and allowing adaptive management for the production of natural spawning fall-run, late-fall-run, winter-run and spring-run chinook salmon and steelhead in the additional 40 miles of habitat that will be available when the improvements in the \$27 million dollar Battle Creek Salmon and Steelhead Restoration Project are completed. The proposed monitoring will assure that the newly available habitat is utilized by these species. If screening and passage problems persist with the existing plan then adaptive changes can be made rapidly. The expected contribution of this proposal will insure that the \$27 million dollar Battle Creek Salmon and Steelhead Restoration project is beneficial to increased production of anadromous salmonids, in perpetuity. The project will provide monitoring information to evaluate implementation of AFRP Draft Restoration Plan actions 2 (high priority), 6 (medium priority), and 7 (medium priority) for Battle Creek. It will also meet evaluation goals 1 and 2 for Battle Creek.\*

**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.**# Winter-run (State and Federal listed endangered), spring-run (State and Federal listed threatened), and fall and late fall-run (Federal candidate) chinook salmon and steelhead (Federal listed threatened) would benefit directly. The additional flows, removal of diversion dams from the north and south forks, will help restore natural streams processes, which will have a positive effect on other riparian plant and animal species. This proposal will verify these responses.\*

**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.**# This proposal will verify the ecological response of anadromous fish populations to new, improved and accessible habitat (40 new stream miles in north and south Battle Creek). This proposal contributes directly to documenting benefits to actions for protecting natural channel and habitat values by monitoring the response of anadromous fish populations to the improvements to stream accessibility and improved habitats resulting from restored stream ecosystem processes.\*

**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 directly contribute to efforts to modify CVP operations.\***

**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.# This project supports the CVPIA and AFRP objectives to: 1) Double natural production of anadromous fish; 2) improve habitat for all life stages of anadromous fish through provision of flows of suitable quality, quantity and timing; 3) improved physical habitat; 4) improved opportunity for adult fish to reach their spawning habitats in a timely manner; 5) Collect fish population, health and habitat data to facilitate restoration actions; and 6) Involve partners in the implementation and evaluation of restoration actions. Supporting measures include 3406(b)(16) monitoring, 3406(e)(3) measures to eliminate barriers and 3406(e)(6) other measures to protect, restore and enhance natural production in tributary streams.\***

**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 necessary to monitor the expected anadromous salmonid production benefits of a \$27 million restoration project in upper Battle Creek. It is critical to insure adaptive management so that designed improvements (removal of dams, replacement of a key fish ladder and screen- Eagle Canyon Diversion Dam- and increased flows) perform to expected standards necessary to support key life history stages of targeted salmonid species. The project qualifies for funding under AFRP and CAMP.\***

## **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.**#These monitoring elements are essential to the adaptive management of the CALFED/CVPIA Battle Creek Salmon and Steelhead Restoration Project and complements habitat improvements and fish screening efforts in the watershed. Source: Proposal\*

## **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

98B08,98C14 - Monitoring adult and juvenile spring and winter chinook salmon and steelhead in Battle Creek, California

CVPIA

CAMP funding for screw trap monitoring; survey and monitor adult winter and spring chinook salmon in Battle Creek\*

**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):#Earlier project work has been completed or is ongoing. Contracting issues delayed 98C14, but work will commence in summer 2000. Source: Proposal, contract information\***

## **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.#98C14, CVPIA projects listed in 3a2\***

**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):#Despite contracting delays first phase work has started and continued funding of this monitoring effort is essential to determine success of the substantial investment in restoration on Battle Creek. Source: Proposal, contract tracking table\***

## **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.#\***

## **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.# yes\***

**5b. Does the proposal include a detailed budget for each task identified? Type yes or no.# yes\***

**5c. Is the overhead clearly identified? Type yes or no.#no\***

**5d. Are project management costs clearly identified? Type yes or no.#no\***

**5e. Please provide detailed comments in support of your answers to questions**

**5a - 5d.#** Applicant indicates

there is a cost savings to be derived in funding the rotary screw trap portion of this proposal and proposal #2001-K215, as the same personnel would O&M both the Clear Creek and Battle Creek rotary trapping operations. Should both rotary screw trap projects be funded, applicant will need to clarify total project costs based on economies of scale. Additionally, applicant is quoting O&M costs for varying numbers of rotary screw trapping operations. Applicant indicates that the three tasks - trapping and counting, snorkel survey and rotary screw trapping - are severable tasks for funding purposes. Applicant did not address if annual funding is acceptable. Total overhead costs are quoted at 3%. Verify that "Other" salary position represents direct costs as opposed to additional overhead. Equipment costs include the full replacement in year one of a full-size 4-wheel drive truck and a rotary screw trap.\*

**COST SHARING**

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

**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:# \$0\***

**6c2. Matching funds:# \$0\***

**6c3. Show percentage that cost sharing is of total amount of funding requested along with calculation.# \$0%\***

**6d. Please provide detailed comments in support of your answers to questions**

**6a - 6c3.#** Applicant is taking exception to state performance retention (10% withholding) standard language which could be a limiting funding source factor.\*