

**i. Proposal number:#** 2001-H-209 \*

**ii. Short proposal title .#** Digital Soil Survey Mapping and Digital Orthophotoquad Imagery Development \*

**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# see 1a2\***

**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.#** The proposal is to develop soils data and make it electronically available. To the extent this is a limiting factor in implementing projects, this information could contribute to any of the ERP goals through better informed project decision-making and implementation.\*

**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.#** Depending how the information is used, the project could contribute to numerous strategic objectives. Contributions would have to be quantified at a project specific level. \*

**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 Section 3.5 though it could contribute to other actions identified in that section.\*

**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.#** The project is not specifically identified as a Stage 1 action though, again, it is a basis of information that could support implementation of numerous actions in Stage 1.\*

**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.#** Use of the information generated from this proposal could benefit at risk species through identification of habitats suitable for restoration. This applies mainly to terrestrial species.\*

**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 describes how the information could support better understanding of numerous scientific uncertainties. It does make a strong case for how soils information could be utilized to support decision-making.\*

**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 proposal does a good job in describing the potential benefits of soils data. Numerous links to scientific uncertainties are described and the information could be valuable to inform future ecosystem restoration projects, especially if it is publicly available and can support development of watershed assessments and other activities. One concern is whether CALFED should be funding the NRCS to complete work under it's agency mission. NRCS is providing some cost share, but this is basically funding NRCS positions to do work it would otherwise conduct. The benefit of contributing funding is to receive the information in a more timely manner. Perhaps the highest priority watersheds could be identified and partial funding could be provided to get that information completed quickly. It is recommended that the Selection Panel carefully evaluate the request and focus any funding on the highest priority watersheds first.\*

#### **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 proposal lists all anadromous species as benefitting from this effort. There is a link made between soils and anadromous fish in the proposal because the soil is a factor in the fishes environment and soils affect the natural flow regime, erosion and sedimentation. Having digital maps of soil types along steam banks as a planning tool could influence restoration linked to run-off, erosion and sedimentation associated with in-channel processes and riparian vegetation. Impacts to natural production because of a digitized soils map would be indirect, small and difficult to quantify. The certainty of the benefits would be tenuous and a contribution would only exist in the distant future. \*

**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.**

# The proposal lists all fish species as benefitting. Including the state and federally listed spring-run chinook and the federally listed steelhead. Likely, benefits derived by any listed fish species would be minimal and unquantifiable. The ecological/community benefits from a digitized soils map could be significant do to terrestrial species (plants and animals) with specific tolerances to various soil types. As a planning tool for some community based watershed, beyond the riparian corridor, or terrestrial at-risk species restoration projects there is a futuristic added value to planning activities through the product of this proposal. \*

**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 project doesn't protect or restore natural riparian habitat values directly. It is a proposal to develop a planning tool that could be used in watershed restoration and so may have some future indirect affect on said values. \*

**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 contribute to efforts to modify the CVP operations according to the proposal. \*

**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 product could be used as a planning tool in a large scale restoration effort. It could support some b (1) other, AFRP or Gravel Restoration, b (13), program actions as a planning tool. \*

**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.#** AFRP, b (13) and b (1) other programs could potentially use a tool like this in the future and it could improve some planning efforts. The benefits to listed and at-risk species and natural production of salmonids is low, based on the present availability of soils information for restoration actions. \*

## **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 project complements past and future projects and future ERP actions related to monitoring and assessment, and the development of watershed management plans for ecosystem restoration.  
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.#none\***

**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.#**

**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.#**

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

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

**3c2. Please provide detailed comments in support of your answer, including source of information (proposal or other source):##**

#### **REQUESTS FOR NEXT-PHASE FUNDING**

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

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

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

**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.#**

**3e3. Please provide detailed comments in support of your answers, including source of information (proposal or other source):##**

#### **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.#** There are no outstanding issues or negative third party impacts discussed in the proposal. \*

#### **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, Budget tables are not broken down by years\*

**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.#** Yes, see Table 1\*

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

**5e. Please provide detailed comments in support of your answers to questions 5a - 5d.#** Detailed information, but lacking breakdown for each year of requested support\*

#### **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.#** NRCS: 287,901 dollars or 39% of total funding requested\*

**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\*