

Panel Scientific and Technical Review Form
(Note: Review comments will be anonymous, but public.)

Proposal number: 2001-C209

**Short Proposal Title: Tuolumne River Mining
Reach Restoration #3**

1a) Are the objectives and hypotheses clearly stated?

Summary of Reviewers comments: "Yes. Restoring river processes in well articulated and limiting factors are explained."

Panel Summary: This is not necessarily a need in a large-scale implementation proposal, because prior to implementation, hypotheses should have been tested long before development of the design. But the CALFED Proposal Solicitation Process requires all proposals to conform to a format that is not equally relevant.

1b1) Does the conceptual model clearly explain the underlying basis for the proposed work?

Summary of Reviewers comments: Eight separate and quantifiable parameters of restoration of the river are listed and are well grounded in restoration biology.

Panel Summary: The conceptual model is adequate for an implementation project.

1b2) Is the approach well designed and appropriate for meeting the objectives of the project?

Summary of Reviewers comments: Yes. This is a phased project with well-defined tasks, budgets and time lines.

Panel Summary: The panel was comfortable with the objectives and approach.

1c1) Has the applicant justified the selection of research, pilot or demonstration project, or a full-scale implementation project?

Summary of Reviewers comments: Yes. This is a full-scale implementation project.

Panel Summary: Panel concurred this was implementation.

1c2) Is the project likely to generate information that can be used to inform future decision making?

Summary of Reviewers comments: Yes. Applications in other parts of the Tuolumne and in other river basins will be provided.

Panel Summary: The panel agreed this implementation project would provide information of general value if it is well done.

2a) Are the monitoring and information assessment plans adequate to assess the outcome of the project?

Summary of Reviewers comments: Yes. Physical measurements and biological monitoring will provide excellent information to measure success.

Panel Summary: The monitoring proposed was of rather light intensity. Panel members suggested additional techniques would include erosion and deposition pins, chains, etc, and it will be important to assess sediment gains and losses above and below the modified reach.

2b) Are data collection, data management, data analysis, and reporting plans well described, scientifically sound and adequate to meet the proposed objectives?

Summary of Reviewers comments: Yes. The tabular material found in Table 3 is adequate to meet the objectives.

Panel Summary: The proponents need to be aware of the availability of data and opportunities for collaboration with other on-going investigations such as the Corps of Engineers Comprehensive Study. The reporting plan needs to emphasize making the data available and widely distributed.

3) Is the proposed work likely to be technically feasible?

Summary of Reviewers comments: Yes. Although river restoration is difficult, other similar projects, notably in the Merced River, have been completed satisfactorily.

Panel Summary: Panel suggested an important key to the technical feasibility and success of this project will be to have a competent construction superintendent from the geomorphological consultants on-site throughout construction.

4) Is the proposed project team qualified to efficiently and effectively implement the proposed project?

Summary of Reviewers comments: Yes. TID, with support of engineering consultants and the TRTAC will be highly qualified to accomplish the work.

Panel Summary: Based on the history of previous projects, the team is evidently capable.

5)Other comments

**Overall Evaluation
PANEL SUMMARY COMMENTS**

The panel was inclined to rank the project between very good and excellent, with the reservation that the monitoring and assessment would need greater attention for the proposal to be unquestionably excellent.

Summary Rating

Excellent X
Very Good X
Good
Fair
Poor

Your Rating: VERY GOOD - EXCELLENT