

Geographic Review Panel 2 - Sacramento River/Butte Basin

Proposal number: 2001-K204

Short Proposal Title: Molecular Techniques to Preserve Genetic Integrity of Endangered Salmon

- 1. Applicability to CALFED ERP Goals and Implementation Plan and CVPIA priorities, and relevance to ERP and CVPIA priorities for your region.** This project is a high priority and has high applicability to restoration goals in the region. It is directly applicable to supporting CALFED ERP Goal 1. It's directly applicable to CVPIA goals under the Revised Draft Restoration Plan for the AFRP.
- 2. Linkages/coordination with previously funded projects or other restoration activities in your region.** This research will augment the chinook salmon life history studies being conducted in Butte and Big Chico creeks. Winter-run chinook salmon juveniles are present in Butte Creek through winter overflows from the Sacramento River through weirs into the Butte Creek system. In Big Chico Creek, winter-run juveniles are known to use the lower sections for rearing.
- 3. Feasibility, especially the project's ability to move forward in a timely and successful manner.** Both Scientific reviewers felt that the project was technically feasible, that success was dependent on finding markers and that the applicants demonstrated an ability to develop markers and that there was no reason to doubt that they will be able to identify additional markers. This Panel concurs based on the applicants past success in developing markers for various strains of spring-run chinook salmon race and for the fall-run chinook salmon race.
- 4. Qualifications of the applicants and others involved in implementing the proposed project.** The project team includes leading researchers in the field of salmonid genetics. Published records of their work document their qualifications.
- 5. Local involvement (including environmental compliance).** They have a robust public, agency personnel and decision maker educational objectives. There are no outstanding issues blocking implementation of this proposed research.
- 6. Cost.** Reasonable.
- 7. Cost sharing.** None.
- 8. Additional comments.** The independent reviewers thought it would be helpful if the number of new markers needed was identified and felt without this information, gauging project success would be difficult. The TARP recommends that targets of number of new markers be calculated based on previous genetic marker data and stated that management needs information on when genetic identification ability is sufficient.

Two independent scientific reviewers rated the proposal as Excellent. The TARP rated it as Excellent

Regional Ranking

Panel Ranking: High

Provide a brief explanation of your ranking. Excellent proposal with high regional applicability. Necessary information for recovery of winter-run chinook salmon.