

Evaluation criteria for a Science Advisory Board member having a fisheries emphasis:

The Trinity River Restoration Program manages stream flow, temperature, sediment supply, and instream salmonid habitat via fluvial processes and engineered construction. Program activities are evaluated through a combination of monitoring and modeling. Therefore, the SAB member to replace Clair Stalnaker, and whose term will likely extend beyond James Peterson's or Chris Jordan's, should have as many of the following skills as possible:

Primary skills:

1. Strong foundation in fish biology, stream ecology, and natural history.
2. Strong practical experience with developing empirical fish-habitat models for juvenile and adult salmonids.
3. Expertise in modeling salmon populations in an adaptive management context (e.g., decision support systems and population models for management scenarios).
4. Experience working with interdisciplinary groups of scientists and managers.

Secondary skills:

5. Familiarity or experience with instream flow techniques, including water temperature modeling.
6. Expertise in designing and evaluating statistical surveys for monitoring stream fish habitat and populations.
7. Expertise in making design- and model-based inferences.
8. Familiarity or experience with mechanistic modeling of biophysical interactions.