

## **Major Test and Evaluation Themes to Address by a Tracy Demonstration Flume (TDF)**

- The general ability to handle debris on louvers, screens and in holding tanks
- Feasibility of using small mesh positive fish screens for collecting fish
- Feasibility for long-term use of fish friendly lifts to produce bypass flows and flows to above ground fish separation/holding facilities
- Feasibility of gravity-fed bypass systems to provide flows from the main flume to fish separation/holding facilities
- Development of fish friendly holding tank environments where debris may be removed with no interference to fish
- Development of efficient, gentle fish transfer systems from holding tanks to transport tanks and vehicles
- Effective use of fish separating (by size) systems in holding facilities
- Feasibility of using a louver-positive barrier screen combination for collecting and sorting large fish from small fish
- Effective use of fish crowder's in channels and holding facilities from moving fish rapidly to bypasses or through fish sorters
- User friendly systems
- Reliability of mechanical/electrical systems
- Criteria variance considerations for testing
- Estimate operation and maintenance costs and concerns if proven technology were to be advanced to new fish salvage facilities

---

<sup>1</sup>Adapted from major themes to address by a proposed Tracy Fish Test Facility, as determined by the CALFED Interagency Tracy Technical Advisory Team (TTAT)