

**Project Management Organization Agreement
For
Tracy Fish Test Facility Project and
Clifton Court Forebay Fish Facility Project**

October 27, 1999

Purpose

The purpose of this agreement is to facilitate the expeditious planning, design, construction and evaluation of new fish screens and salvage facilities associated with the Tracy Fish Test Facility Project (TFTFP) and the Clifton Court Forebay Fish Facility Project (CCFFFP) (collectively referred to as "Projects"). The TFTFP will develop best available technology screening and salvage for the intakes of the SWP and CVP export facilities, and apply it to screening and fish salvage for the full diversion capacity of the SWP and CVP. The CCFFFP will consist of fish screens and salvage facilities for the SWP intake using an incremental, modular approach to achieve the goal of screening the full export capacity of the SWP. The agreement provides project descriptions and management structure, including administrative protocols.

Project Descriptions

Tracy Fish Test Facility Project (TFTFP) - The TFTFP will provide timely information on critical issues related to new fish protection facilities at Clifton Court Forebay (CCF) and Tracy. Specifically, the TFTFP will build, operate, and evaluate a best available technology facility that will screen a portion of Tracy flows until such time as a decision is made on screening the full Tracy pumping capacity.

This will be a "technology development" facility that is designed and tested for developing "generic" information for solving fish screening, handling, and transportation problems in the Delta while meeting modern fish screening criteria. The technology development will be carried out at both the Tracy site, and Reclamation's research flumes. In addition, cooperative research with UC Davis and their labs will be recommended, especially for refined programs for study criteria with sensitive species such as Delta Smelt.

The new facility will be designed to screen 500 cfs at an approach velocity of 0.2 fps, and will meet all other appropriate fish agency criteria. The facility will be used for fish protection research and will have the structural and operational flexibility to optimize screening operations for multiple species in the challenging south Delta environment. The existing facility will be

improved and remain in place to screen the remainder of the flow, until a final decision is made to screen the remainder of the CVP flow at Tracy and/or CCF.

Evaluations of the facility will be completed in time to allow expanded improvement of Tracy or new fish facilities at CCF by the end of Stage 1¹. Six major issues to be evaluated are:

- Debris Management;
- Predator Management;
- Fish Lift Systems;
- Fish Screening, Collecting, Sorting, and Holding Facilities;
- Fish Trucking and Release Improvements; and
- Compatibility with Existing Fish Collection Facilities.

Clifton Court Forebay Fish Facility Project (CCFFFP) - The intent of the CCFFFP is to use the best available technology developed from the TFFFP to implement an incremental modular approach for screening the full capacity of the SWP. The first module will consist of a 2,500 cfs fish screen and salvage facilities with the capability of adding modules to achieve the full SWP capacity of 10,300 cfs. If the future decision is made for one point of diversion at the CCF site for the SWP and CVP, modules would be added to screen the full combined capacity of the CVP and SWP. The most likely location for the facilities is Old River on the southeast corner of Byron Tract.

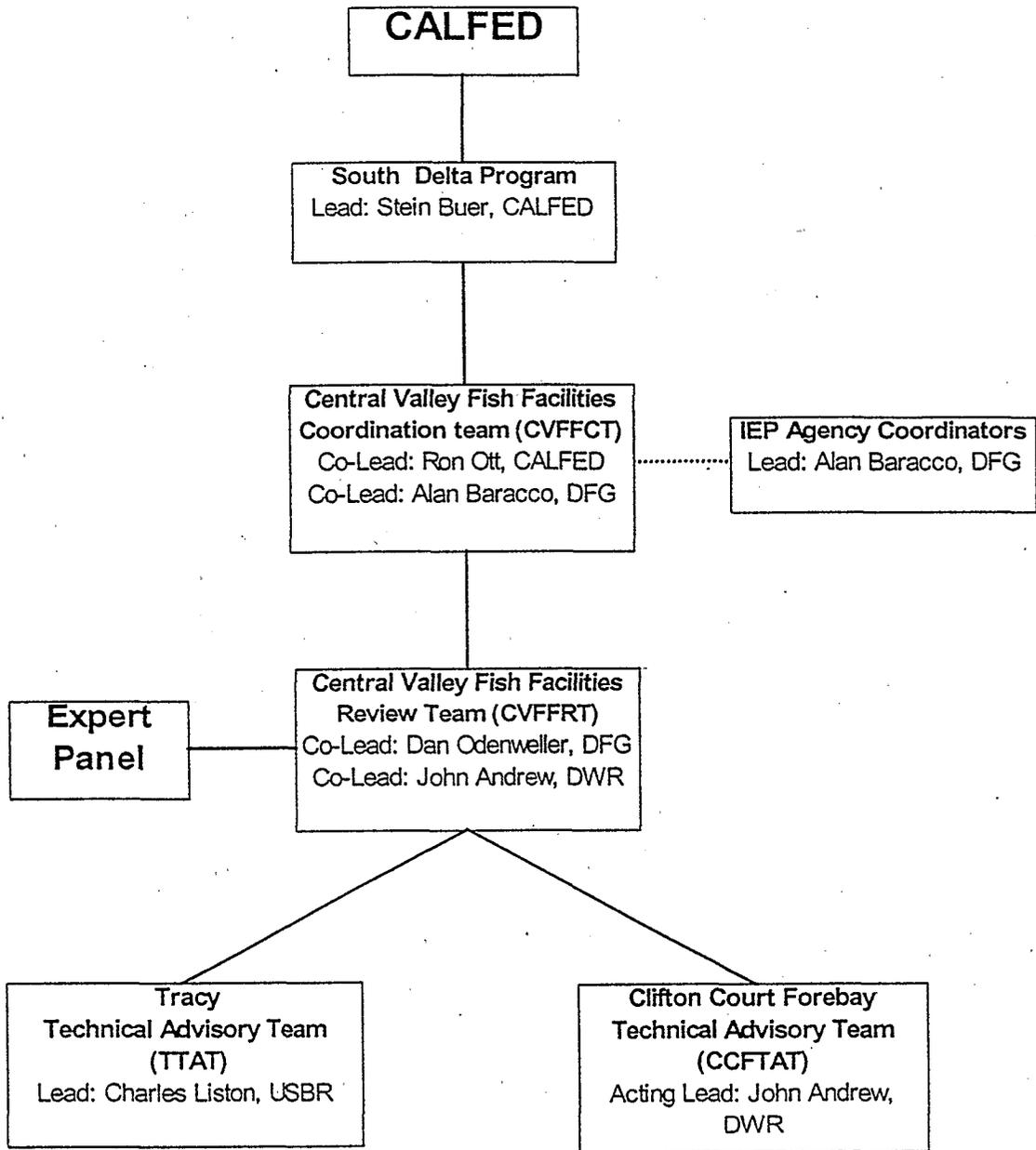
Management Structure and Administrative Protocols

Management of the Projects will rely to the greatest extent feasible on existing teams which have been convened to provide guidance on fish screening and salvage activities. The effort will involve the following groups:

- CALFED;
- Central Valley Fish Facilities Coordination Team;
- Central Valley Fish Facilities Review Team;
- Technical Advisory Teams for Tracy and Clifton Court Forebay;
- Design Teams for both facilities;
- Expert Review Panel;
- Value Study Team for TFFFP;
- Construction Team for TFFFP; and
- Evaluation and Testing Team.

¹CALFED's Stage 1 of Phase III will occur during the seven years following the federal Record of Decision and State Certification of the Final Programmatic EIS/EIR projected to occur in mid-2000.

Management Organization Flow Diagram- The flow of information and decisions between the involved groups is shown below.



CALFED Bay-Delta Program (CALFED) - CALFED is a cooperative, interagency effort of 15 state and federal agencies with the management or regulatory responsibilities for the Bay-Delta system. CALFED's mission is to develop a long-term comprehensive plan that will restore ecological health and improve water management for beneficial uses of the Bay-Delta system. Accordingly, CALFED has recommended, as part of the South Delta Program, a bundle of actions for the lower San Joaquin River and south Delta region to address long-standing concerns with respect to water quality, fisheries, wildlife habitat and water supply availability. The TFTFP and CCFFFP are critical parts of this bundle. Many agencies and stakeholders will be involved in the formulation of the design concepts of these Projects. As part of this agreement, CALFED will provide facilitated coordination and design formulation process with appropriate agency and stakeholder representation to assure that all concerns are addressed.

CALFED staff will serve on the technical and management teams and will bring issues that cannot be resolved by the CVFFCT to the CALFED Policy Group for resolution.

Central Valley Fish Facility Coordination Team (CVFFCT) - The CVFFCT is a group under the agency IEP Coordinators. Its mission is, "to facilitate meaningful interagency review and coordination for the Central Valley fish screen and passage initiatives, projects, and research, and to promote awareness and support of such activities by involved stakeholders". The team is normally led by IEP representative Alan Baracco, DFG. However, during special meetings for the TFTFP and CCFFFP, CALFED's Ron Ott will lead the team.

The CVFFCT will call special meetings for TFTFP and CCFFFP at least twice a year or more frequently at milestones, as necessary. The CVFFCT will review technical recommendations provided by the CVFFRT and make decisions through reaching mutual agreement. In addition, CVFFCT will provide overall management guidance; review major findings, conclusions, recommendations, budget and schedule changes, and progress; and make decisions regarding the Projects through reaching mutual agreement on the proposals brought to it by the TFTFP and CCFFFP Coordinators. Policy issues unable to be resolved by consensus of the group may be referred to CALFED for resolution. CVFFCT decisions will be reported to other parties through periodic status reports.

During TFTFP and CCFFFP special meetings, the team needs to be augmented by policy-level staff with major decision making authority from various Federal and State agencies that either cost share or have significant regulatory authority over the Projects. These members are included in the table below. Directly affected stakeholder groups are also represented. Agency heads will appoint substitute members of the CVFFCT if a member cannot serve.

Central Valley Fish Facility Coordination Team (TFTFP and CCFFFP meetings)

<u>Agency</u>	<u>Agency Representative</u>
CALFED	Ron Ott, Co-Lead

Department of Fish and Game
US Bureau of Reclamation
Department of Water Resources
US Fish and Wildlife Service
National Marine Fisheries Service
CVPWUA
MWD
NRCS

Alan Baracco, Co-Lead
Ron Brockman, TFFTP Coordinator
Randy Brown, CCFFFP Coordinator
Mike Thabault
Gary Stern
Serge Birk
Jim Buell
Marianne Hallet

Central Valley Fish Facilities Review Team (CVFFRT) - The CVFFRT is a team under IEP of technical experts that is available to agency management to review and provide information and recommendations on fish protection facilities. The team also provides a vehicle for communication and inter- and intra-agency coordination on fish screening projects.

The CVFFRT provides technical recommendations to the CVFFCT regarding the projects through reaching mutual agreement on the proposals brought to it by the Technical Advisory Teams and/or other teams assembled for the Projects.

Central Valley Fish Facilities Review Team

<u>Agency</u>	<u>Agency Representative</u>
Department of Fish and Game	Dan Odenweller, Co-Lead George Heise
Department of Water Resources	John Andrew, Co-Lead Steve Ford
US Bureau of Reclamation	Charles Liston Bill O'Leary
US Fish and Wildlife Service	Ron Bachman
National Marine Fisheries Service	Rick Wantuck
CVPWUA	Serge Birk
MWD	Jim Buell
NRCS	Marianne Hallet
CALFED	Ron Ott

Technical Advisory Teams (TATs) - The TATs consist of technical biological and engineering experts from the agencies participating on the CVFFCT as well as technical representatives from involved stakeholder groups, such as the San Luis Delta Mendota Water Authority. The TATs

will meet at least monthly, or more frequently if required to meet project milestones. Project Technical Leads for each facility will provide the overall leadership for the TATs. The TATs will provide detailed technical information, consultation, review and guidance to the design and construction team members. Issues identified that cannot be resolved by the TATs will be summarized, including describing the range of positions and alternative solutions, and presented to CVFFRT.

Any member of the teams listed in this agreement may attend TAT meetings. At least one week prior to each meeting, TAT members will receive the agenda and information to be reviewed and discussed at the meeting, including meeting notes documenting issues and decisions made at the prior, meeting. A facilitator will: 1) ensure that TAT members focus on the agenda; 2) ensure that each agencies concerns are being addressed; and 3) assist in consensus building.

Tracy Technical Advisory Team (TTAT) - The specific objectives of the TTAT are to:

- Provide technical expertise and assistance in completing conceptual designs and overall development of the TFFFP, for transfer to the final engineering design;
- Provide reviews and technical input throughout the final design process;
- Serve as consultants to the Construction Engineer and his staff in the TFFFP Construction process;
- Develop a report on research and monitoring plans and study designs for TFFFP; and
- Participate and provide technical review throughout all TFFFP research and monitoring activities.

Tracy Technical Advisory Team

<u>Agency</u>	<u>Agency Representative(s)</u>
US Bureau of Reclamation	Charles Liston, Lead Herb Ng Bill O'Leary Lauren Carly
Department of Water Resources	John Andrew Randy Beckwith
Department of Fish and Game	George Heise Dan Odenweller
US Fish and Wildlife Service	Justin Lee
National Marine Fisheries Service	John Johnson Rick Wantuck

SLDMWA

David Langlois
Bob Martin

CALFED

Ron Ott

Technical Advisory Specialists to
All Team Members

Rick Christensen
Art Glickman
Mike Lee
Brent Mefford
Rich Raines
David Robinson

Clifton Court Forebay Technical Advisory Team (CCFTAT) - The specific objectives of the CCFTAT are to:

- Provide technical expertise and assistance in completing conceptual designs and overall development of the CCFFFP, for transfer to the final engineering design; and
- Provide reviews and technical input throughout the final design process.

Clifton Court Forebay Technical Advisory Team

Agency

Agency Representative(s)

Department of Water Resources

John Andrew, Acting Lead
Jim Spence
David Duval

US Bureau of Reclamation

Rick Christensen
Charles Liston

Department of Fish and Game

George Heise
Dan Odenweller
Salvage Sr. Staff Person TBA

US Fish and Wildlife Service

Justin Lee

National Marine Fisheries Service

Rick Wantuck

CALFED

Ron Ott

State Water Contractors

Terry Erlewine

Expert Review Panel -The Expert Review Panel will consist of fish screen experts who are

familiar with the challenges of installing a fish screen, holding, and sorting facilities in the Delta. The Panel will review and provide comments on specific design materials and other documents prepared during the course of the Projects. In addition, certain design concepts or new technology being considered for the Projects can be provided to the Panel. Reviews or work products desired of the Panel will be requested by the Leads of CVFFCT, CVFFRT and or TATs. Tentative Panel members could include:

Expert Review Panel

Representative

Dennis Dorratcague
 Chuck Hanson
 Ken Bates
 Ned Taft
 Darryl Hayes
 Perry Johnson
 Joe Cech
 Lev Kavvas

Agency or Firm

Montgomery-Watson
 Hanson Environmental
 Consultant
 Alden Labs
 DWR
 Consultant
 UC Davis
 UC Davis

Design Teams - The principal responsibility of the Design Teams is to design the Projects and produce construction contract plans and specifications. The Design Teams will also provide for design consultation during construction. Design team leaders provide overall leadership for the teams and primary interface with the Project Leaders, the TATs and the Construction Teams. The Design Team Leaders will provide for the day-to-day management of the design efforts.

TFTFP Value Study Team - Per Reclamation policies, Value Engineering Studies (VES) are required for any construction project valued at over \$500,000. The VES performed by a Value Study Team (VST) is a multi-disciplinary team assembled to assure that the goals of the project can be satisfied at the most economical cost. Reclamation will lead the VST, however other agencies have been requested to participate. Typical VES are completed within one week or less. Recommendations will be forwarded to the Design Teams and TATs for consideration.

TFTFP Construction Team - Reclamation's Construction Engineer will start assembling the Construction Team at the beginning of final design so that key members will be involved in review of the plans and specs and the procurement process. Reclamation's Construction Engineer will lead the team. Additional team members will be added as appropriate as the TFTF moves towards a contract award. The team will consist of the standard Reclamation construction staff, including a resident engineer, office engineer, inspectors, a contract administrator, quality assurance lab and survey personnel and an administrative contracting officer.

Evaluation and Testing Team - The Evaluation and Testing Team for each facility are responsible for testing and evaluating all aspects relative to the engineering and biological

performance of the new facilities. The teams will be led by Reclamation and DWR in accordance with recommendations from the TATs for the Projects and reports prepared with the assistance of the TATs concerning the research activities and monitoring needed for the Projects. Periodic review and approval of the monitoring programs and results will be conducted by the CVFFCT and CVFFRT.

The undersigned is committed to support the management organization for the Projects as described above.

CALFED Bay-Delta Program

Steve Ritchie, Acting Executive Director

US Bureau of Reclamation

Lester A. Snow, Regional Director
Mid-Pacific Region

California Department of Water Resources

Thomas Hannigan, Director

US Fish and Wildlife Service

Mike Spear, Manager
California/Nevada Operations Office

National Marine Fisheries Service

Rodney McInnis, Acting Regional
Administrator Southwest Region

California Department of Fish and Game

L. Ryan Broddrick, Chief Deputy Director