

Appendix 1 Components of the Preferred Alternative 1

Action Description	Level of Analysis
Contracts and Water Rights Related Actions	
Operations to meet Delta standards in D-1641	Project
Meet CVPIA requirements	Project
Tributary Specific Settlements and Agreements	Project
Water Transfers	Project
Operations	
Sacramento River	
Spring Pulse Flows	Project
Shasta Cold Water Pool Management Consistent with WRO 90-5	Project
Lower Intakes Near Wilkins Slough	Program
Knights Landing Outfall Gates	Program
Fall and Winter Refill and Redd Maintenance	Project
Rice Decomposition Smoothing	Project
Spring Management of Spawning Locations	Program
Trinity	
Whiskeytown Reservoir Operations/Clear Creek Flows	Project
American River	
American River 2017 Flow Management Standard Releases and Planning Minimum	Project
Stanislaus River	
Stanislaus Stepped Release Plan (including pulse flows)	Project
Alteration of Stanislaus Dissolved Oxygen Requirement	Project
Bay-Delta	
Delta Cross Channel Operations	Project
Delta Smelt Summer-Fall Habitat	Project
OMR Management	Project
<ul style="list-style-type: none"> • Onset of OMR Management • Additional Real-Time OMR Restrictions and Performance Objectives • Storm-Related OMR Flexibility • End of OMR Management • Real-Time Decision-Making and Salvage Thresholds 	
Delta Smelt Summer-Fall Suisun Marsh Salinity Control Gate Operation	Project

Action Description	Level of Analysis
Status and Trend	
Temperature Modeling Platform	Program
Shasta Temperature Control Device Performance Evaluation	Program
Yellow-billed Cuckoo Surveys	Program
Nimbus Hatchery Genetic Management Plans	Program
American River Drought Temperature Management	Program
Stanislaus Temperature Management Study	Program
Lower San Joaquin River Habitat	Program
San Joaquin Basin Steelhead Telemetry Study	Project
San Joaquin Basin Steelhead Collaborative	Program
Habitat and Facility Improvements	
Delta Cross Channel Gate Improvements	Program
Tracy Fish Collection Facility Improvements	Program
Skinner Fish Facility Performance Improvements	Program
Barker Slough PP sediment and aquatic weed removal	Project
Clifton Court Aquatic Weed and Algal Bloom Management	Project
San Joaquin River Scour Hole Predation Reduction	Program
Clifton Court Forebay Mortality Reduction	Project
Predator Hot Spot Removal	Program
Small Screen Program	Program
Salvage Release Sites	Project
Spawning and Rearing Habitat Restoration	Program
Deer Creek Irrigation District Dam (DCID) Fish Passage	Program
Tracy Fish Collection Facility CO2 Injector and Release Sites	Project
Battle Creek Salmon and Steelhead Restoration Project and Battle Creek Reintroduction Plan	Program
Fish Intervention and Supplementation	
Reintroduction efforts from Fish Conservation and Culture Laboratory	Project
Delta Fish Species Conservation Hatchery	Program
Winter-Run Chinook Salmon Conservation Hatchery Production	Program
Adult Salmonid Escapement and Rescue	Program
Juvenile Trap and Haul	Program
Sediment Supplementation Feasibility Study	Program
Special Studies	
Steelhead Lifecycle Monitoring Program	Program
North Delta Food Subsidies/Colusa Basin Drain Study	Program
Suisun Marsh and Roaring River Distribution System Food Subsidies Study	Program
Sacramento Deepwater Ship Channel Food Study	Program
Directors Meeting	Program