

Preliminary Alternative #18  
 Corresponding to Alternative Formulation Strategy 1A, 2A, 3A, 4B - Maximum

Primary Conflict	Approach to Resolve Conflict
Fisheries and Diversions (Conflict 1)	Increase Fish Productivity (1A) Diversions Modification (1B)
Habitat and Land Use/Flood Protection (Conflict 2)	Preserve Existing Land Use (2A) Create Additional Habitat Area (2B)
Water Supply Availability and Beneficial Uses (Conflict 3)	Reduce Critical Export Area Demands (3A) Enhance Delta Supplies as Inflows (3B)
Water Quality and Land Use (Conflict 4)	Managing Quality of Delta Inflow (4A) Manage Instream/In-Delta Water Quality (4B)
Minimum or Maximum	

**Solution Overview**

A total of 91 actions has been identified which meet the selection criteria for inclusion in this maximum edge alternative and addressing each of the four conflict areas. Many of the selected actions are duplicative, given implementation of other similar actions. Very few actions were selected which directly address the improvement of habitat quality and preservation of existing land use patterns, the solution strategy of Conflict 2. A large number of actions were selected which would satisfy the solution strategy for Conflict 3 by reducing the demand for diversions from the Bay-Delta system through implementation of programs in the export areas.

**Actions Selected**

Habitat - Actions to improve fish productivity and population abundance include restoration of aquatic, wetland, and riparian habitats both within and upstream of the Delta.

Populations - Actions include increasing fish production through hatchery practices.

Diversions - Potential actions to reduce demands in export areas include implementing conservation, reclamation, and desalination programs as well as developing storage and conjunctive use projects.

Water Use -

Water Quality - The actions include installation of flow barriers to manage south Delta water quality and salinity intrusion.

Land Use/Levees/Flood Protection - A large number of potential programs to control pollutant discharges could be undertaken which do not change the existing land use patterns.

Institutional -

**Preliminary Assessment**

The shortfall of this program is its inability to increase supplies to the Bay-Delta. In order to adequately facilitate the improvement of water quality and habitat areas, some additional water supplies would need to be developed. Additionally, the implementation of demand reduction actions in the export areas will provide additional supplies for other Bay-Delta system demands; however, to effectively utilize this saved water, other storage or conveyance facilities may need to be developed to adequately manage this saved water. In addition, actions selected to manage instream water quality were limited due to the inability to develop additional supplies to dilute existing pollutant discharges. Actions to develop additional storage or conveyance facilities were precluded from this alternative.

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