Planning Area Boundary:

- **Statutory Delta**
  Conservation measures also are identified in Suisun Marsh and upper Yolo Bypass areas.

Water Conveyance:

- **Water Conveyance Tunnel/Pipeline**
- **Isolated Conveyance Facility East Option**
- **Intake**
- **Forebay**

Habitat Restoration Opportunity Area(s):

Potential New Floodplain *and* **Riparian Habitat Restoration**
10,000 acre target may occur anywhere appropriate within the planning area.

- **Channel Margin**
  20-40 mile target may occur within the following areas:
  - **Sacramento River Between Freeport and Walnut Grove**
    Approx. total area: 36 linear miles
  - **Steamboat/Sutter Slough Area**
    Approx. total area: 36 linear miles
  - **San Joaquin/Old River/Mossdale to Vernalis Area**
    Approx. total area: 86 linear miles
- **Floodplain** *(enhanced existing)*
- **Tidal Marsh**
  Tidal marsh restoration over and above the minimum tidal marsh targets in each ROA, up to 65,000 acres, would be expected to occur over the life of the plan depending in part on the availability of willing sellers, as well as the total relative amount of suitable habitat within each ROA, among other factors.
- **Terrestrial Restoration**
  May occur anywhere appropriate within the planning area.

Yolo Bypass

Objectives: (1) modify Fremont or Sacramento weirs to increase the frequency and duration of Yolo Bypass inundation, (2) increase spawning and rearing habitat for splittail and salmon, (3) provide alternate migration corridor to the mainstem Sacramento River, and (4) increase availability and quality of food and habitat in Cache Slough.

Inflow

Potential objectives: (1) maintain seasonal and daily increases and decreases in river flows between the mainstem Sacramento River and its tributaries, (2) maintain environmental cues used by fish and other aquatic species to signal spawning, migration, and other population responses and behaviors, and (3) increase the survival and growth of covered fish inhabiting the river and estuary.

1 North Delta Diversion Bypass Flows ✻

Objectives: Maintain adequate river flows to (1) keep fish away from the pumps, (2) keep fish moving in the right direction, towards regions of suitable habitat, (3) minimize fish predation, (4) maintain or improve the overall quality of rearing habitat in the north Delta.

Yolo Bypass/Cache Slough Area
Minimum tidal marsh restoration target: 5,000 acres
within the total area: 49,167 acres

In-Delta Water Quality

Maintain existing water quality standards in the North, Central, and West Delta.

Cosumnes/Mokelumne Area
Minimum tidal marsh restoration target: 1,500 acres
within the total area: 7,805 acres

Delta Cross Channel Gate Operations

Objectives: (1) reduce movement of outmigrating Sacramento River fish into central Delta, (2) maintain flows downstream on Sacramento River, and (3) provide enough Sacramento River flow into interior Delta when water quality for municipal and industrial use and agriculture may be of concern.

Suisun Marsh Area
Minimum tidal marsh restoration target: 7,000 acres
within the total area: 82,970 acres

Rio Vista Flows

Objectives: maintain flows for migrating salmon and smelt.

West Delta Area
Minimum tidal marsh restoration target: 2,100 acres
within the total area: 6,178 acres

East Delta Area
Minimum tidal marsh restoration target: 1,400 acres
within the total area: 9,033 acres

3 Outflow ✻

Objectives: (1) Provide enough outflow to maintain acceptable salinity levels during the spring, and (2) explore variable inflow and outflow criteria to make water conditions more suitable for fish (e.g. better mimicking of natural seasonal flows).

2 South Delta Channel Flows ✻

Objectives: (1) improve fish survival by reducing the risk of their capture at the south Delta pumps, (2) increase survival of juvenile salmon and steelhead by keeping them on their migration path, (3) improve downstream transport of larval and juvenile fish, and (4) improve the production of food resources within the Delta and Suisun Bay.

South Delta Area
Minimum tidal marsh restoration target: 5,000 acres
within the total area: 39,969 acres

✻ **Primary factor in managing Delta Flows**

BDCP Habitat Restoration and Conveyance

06.14.10