

## INITIAL SCREENING OF CONVEYANCE ALIGNMENT ALTERNATIVES

**1. Initial Screening Conveyance Alternative A1** - *Dual Conveyance with a Tunnel between North Delta Intakes and the SWP and CVP Pumping Plants, and Continued Use of Existing South Delta Intakes (Total Capacity of North Delta Intakes: 3,000 to 15,000 cfs)*

**2. Initial Screening Conveyance Alternative A2** - *Dual Conveyance with a Lined or Unlined East Canal between North Delta Intakes and the SWP and CVP Pumping Plants, and Continued Use of Existing South Delta Intakes (Total Capacity of North Delta Intakes: 3,000 to 15,000 cfs)*

**3. Initial Screening Conveyance Alternative A3** - *Dual Conveyance with a Lined or Unlined West Canal between North Delta Intakes and the SWP and CVP Pumping Plants, and Continued Use of Existing South Delta Intakes (Total Capacity of North Delta Intakes: 3,000 to 15,000 cfs)*

**4. Initial Screening Conveyance Alternative A4** - *Dual Conveyance with a Lined or Unlined East Canal between North Delta Intakes and the Lower San Joaquin River, and Continued Use of Existing South Delta Intakes (Total Capacity of North Delta Intakes: 3,000 to 15,000 cfs)*

Eliminated in Third Level Screening Process: Not considered for further evaluation due to discharge of Sacramento River water into San Joaquin River which could cause false attraction flows.

**5. Initial Screening Conveyance Alternative B1** - *Isolated Conveyance with a Tunnel between North Delta Intakes and the SWP and CVP Pumping Plants, and Abandonment of Existing South Delta Intakes (Total Capacity of North Delta Intakes: 15,000 cfs)*

**6. Initial Screening Conveyance Alternative B2** - *Isolated Conveyance with a Lined or Unlined East Canal between North Delta Intakes and the SWP and CVP Pumping Plants, and Abandonment of Existing South Delta Intakes (Total Capacity of North Delta Intakes: 15,000 cfs)*

**7. Initial Screening Conveyance Alternative B3** - *Isolated Conveyance with a Lined or Unlined West Canal between North Delta Intakes and the SWP and CVP Pumping Plants, and Abandonment of Existing South Delta Intakes (Total Capacity of North Delta Intakes: 15,000 cfs)*

**8. Initial Screening Conveyance Alternative B4** - *Isolated Conveyance with a Lined or Unlined East Canal along the Sierra Nevada foothills between the Sacramento River near the Confluence with the Feather River and the Lower San Joaquin River, and Abandonment of Existing South Delta Intakes (Total Capacity of North Delta Intakes: at least 15,000 cfs)*

Eliminated in Third Level Screening Process: Not considered for further evaluation because of increased potential for disruption along the conveyance corridor which would longer than most other alternatives considered; and limited amounts of water available in the Sacramento River upstream of the American River.

## INITIAL SCREENING OF CONVEYANCE ALIGNMENT ALTERNATIVES

**9. Initial Screening Conveyance Alternative B5** - *Isolated Conveyance with Diversion from the Sacramento River near West Sacramento into the Sacramento Deep Water Ship Channel, Construction of a Lock and Intake to Divert water into a Tunnel between the Deep Water Ship Channel and the SWP and CVP Pumping Plants, and Abandonment of Existing South Delta Intakes (Total Capacity of North Delta Intakes: 15,000 cfs)*

Eliminated in Third Level Screening Process: Not considered for further evaluation because of potential disruption to the federal navigation corridor in the Sacramento Deep Water Ship Channel and potential adverse impacts to delta smelt that are present in the Sacramento Deep Water Ship Channel.

**10. Initial Screening Conveyance Alternative B6** - *Isolated Conveyance with a Tunnel between the Sacramento River near Fremont Weir and the SWP and CVP Pumping Plants, Isolated Conveyance with a Tunnel between the Sacramento River near Decker Island to Clifton Court Forebay and Bethany Reservoir, and Continued Use of the South Delta Intakes (Total Capacity of North Delta Intakes: 14,500 cfs)*

Eliminated in Third Level Screening Process: Not considered for further evaluation because of the amount of water available in the Sacramento River would be less than under other alternatives due to available flows upstream of the confluence with the Feather and American rivers; increased potential for disruption along the conveyance corridor which would longer than most other alternatives considered; and limited ability to divert water from the western Delta to presence of delta smelt, longfin smelt, and other aquatic species.

**11. Initial Screening Conveyance Alternative B7** - *Isolated Conveyance with Diversion from the San Joaquin River near Antioch and Desalination Facilities, a Tunnel between the Desalination Facilities and the SWP and CVP Pumping Plants, and Abandonment of Existing South Delta Intakes (Total Capacity of North Delta Intakes: 15,000 cfs)*

Eliminated in Third Level Screening Process: Not considered for further evaluation because of the desalination facilities that would result in higher power costs and generation of greenhouse gas emissions to provide the power than other alternatives considered; and limited ability to divert water from the western Delta to presence of delta smelt, longfin smelt, and other aquatic species.

**12. Initial Screening Conveyance Alternative C1** - *Separate Corridors (Total Capacity of South Delta Intakes: 15,000 cfs)*

**13. Initial Screening Conveyance Alternative C2** - *Through Delta Conveyance with Armored Corridors (Total Capacity of South Delta Intakes: 15,000 cfs)*

Eliminated in Third Level Screening Process: Not considered for further evaluation because of more extensive construction activities in the Delta than other alternatives considered that could result in substantial adverse impacts to aquatic habitat, land use, air quality, and transportation in the area during construction.

## INITIAL SCREENING OF CONVEYANCE ALIGNMENT ALTERNATIVES

### **14. Initial Screening Conveyance Alternative C3 - *Through Delta Conveyance with West Delta Salinity Barrier (Total Capacity of South Delta Intakes: 15,000 cfs)***

Eliminated in First Level Screening Process: Not considered for further evaluation because the Delta would become a freshwater lake that would not support an estuarine habitat and the barrier would reduce fish passage for anadromous fish; and would not meet the coequal goal under the 2009 Delta Reform Act.

### **15. Initial Screening Conveyance Alternative C4 - *Through Delta Conveyance with Fish Screens at Clifton Court Forebay (Total Capacity of South Delta Intakes: 15,000 cfs)***

Eliminated in Third Level Screening Process: Not considered for further evaluation because of initial results of recent studies, including information included in recent NMFS biological opinions, supported a phased approach that would emphasize improvements to operations of fish handling facilities and reduced predator potential within Clifton Court Forebay prior to further analysis of installation of fish screens.