

Working Draft for Discussion -- Subject to Change
(All project specific actions are subject to full environmental evaluation and permitting)

Features of the SDI Alternatives

rev. 12/20/99 @ 2230 smb

| Alternative Features | 1. Single Barrier Alternative | 2. Multiple Barrier Alternative |
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| 1 Agricultural Screen Modifications | | |
| 2 | Fund and implement a program to consolidate, extend, and screen agricultural diversions in the south Delta region as appropriate | Limited to diversion locations which must be relocated because they are west of the barrier locations. |
| 3 | Fund and set up an Operation and Maintenance Team funding for agricultural diversions by 2001. | Limited to diversion locations which must be relocated because they are west of the barrier locations. |
| 4 Channel Dredging | | |
| 5 | Extensive channel dredging as required to achieve appropriate water supply utility. This dredging could include most of Old River upstream of Tracy Pumping Plant to HOR, Grant Line Canal, Middle River, and the Salmon Slough area channels. | Dredging limited to that required to screen intakes on GLC and areas upstream where water levels are insufficient for existing intakes. |
| 6 | Conduct maintenance dredging as appropriate to assure proper operation of the screened intakes. | Limited to diversion locations which must be relocated because they are west of the barrier locations. |
| 7 SJ River & Tributaries Management for WQ standards within SDWA service area. | | |
| 8 | Seek the cooperation of San Joaquin River basin reservoir operators to achieve re-operation and/or purchase water for release during summer months to achieve existing WQ standards within SDWA service area. | Continue with existing operational approach. |
| 9 Component: Head of Old River Fish Control Structure | | |

| | Alternative Features | 1. Single Barrier Alternative | 2. Multiple Barrier Alternative |
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| 10 | | Construct a permanent, operable Head of Old River (HOR) Fish Control Structure Could include upstream fish passage facilities for "throttled operation" . Continue fishery monitoring, reevaluate, and modify operations of structure as appropriate. Continue temporary barrier placement until the permanent structure is in place. | same as 1 |
| 11 | HOR Operations: | | |
| 12 | Spring | Begin HOR Fish Control Structure operation in the spring at the discretion of the fish and wildlife agencies, in coordination with project operators and subject to San Joaquin River flow conditions, as early as April 1 and continue operation through no later than June 15. | same as 1, except installation by April 15 and removal by May 30 |
| 13 | Fall | Begin HOR Fish Control Structure operation in the fall at the discretion of the fish and wildlife agencies, in coordination with project operators and subject to San Joaquin River flow conditions, as early as September 1 and continue operation through no later than November 30. | same as 1, except begin operation on October 1 |
| 14 | Winter | Operate HOR with multiple control gates as a flow | |
| 15 | Flow Control Structures | | |
| 16 | | Remove Temporary Flow Control Structures in phases, by year 2003, coordinated with channel dredging. | Construct operable Flow Control Structures at Middle River and Old River at Tracy. Grant Line Canal Flow Control Structure may or may not be constructed (Option A, no GLC, Options B,C, construct GLC. See Operations section below). For GLC, construct with an inflatable rubber dam and stop logs. Other flow control structures will either be inflatable rubber dams or operable radial gates. |
| 17 | Flow Control Structures Operations | | |

| | Alternative Features | 1. Single Barrier Alternative | 2. Multiple Barrier Alternative |
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| 18 | | n/a | Operate Middle River (MR) Flow Control Structure only from April 15 through October 31. Coordinate operation with HOR operation to improve fisheries, water quality, and water supply availability. |
| 19 | | n/a | Operate Old River at Tracy (ORT) Flow Control Structure no earlier than April 15 and no later than October 31. Coordinate operation with HOR operation to improve fisheries, water quality, and water supply availability. |
| 20 | | n/a | The Grant Line Canal (GLC) Flow Control Structure: Option B, limit operation to the period of August 1 through October 31. If operations occur prior to September 1 it will be for no more than two days in any seven day period. Option C, operation from June through October 31, operated daily for 9 hours or less as required to to improve fisheries, water quality, and water supply availability. |
| 21 | Flow Control Structures Monitoring | | |
| 22 | | Continue monitoring program for temporary structures until they are phased out. | Monitor impacts on fish, stages, effects on circulation and water quality, and San Joaquin flows. |