

An aerial photograph of a delta system, showing a complex network of water channels and land. The water is a deep blue, and the land is a lighter blue. The channels are winding and interconnected, creating a maze-like pattern. The overall scene is a vast, flat landscape with a clear horizon line.

South Delta
IMPROVEMENTS PROGRAM

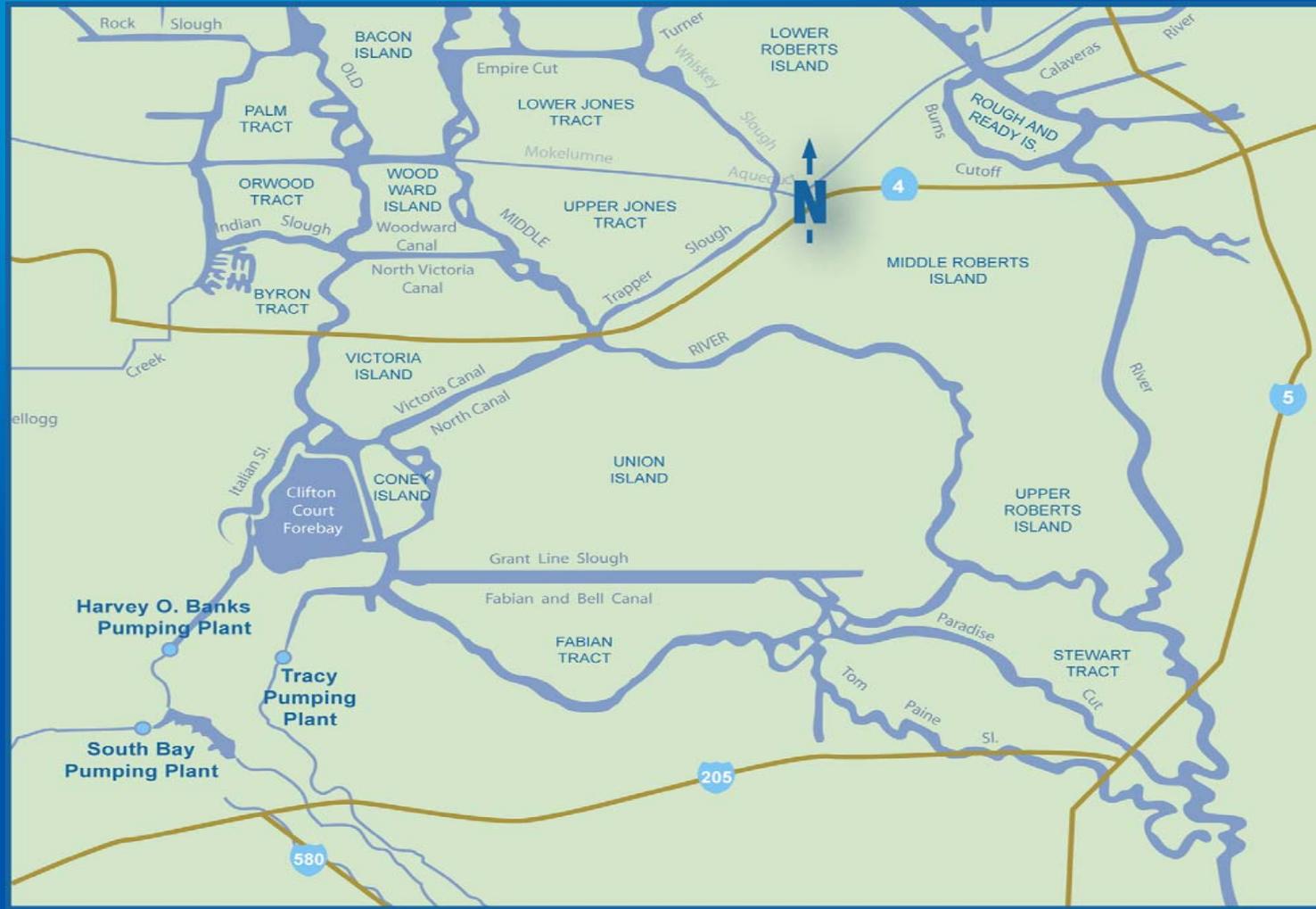
Meeting Format

- Presentation on SDIP
 - Proposed project
 - Decision Process
 - Analyses in the EIS/R
 - Next steps
- Information Stations
 - Key areas of interest
 - Questions and answers

Sacramento-San Joaquin Delta



South Delta Project Area



SDIP objectives

Series of actions to improve water quality and protect salmon in the South Delta, while providing reliable water supplies for all Californians.

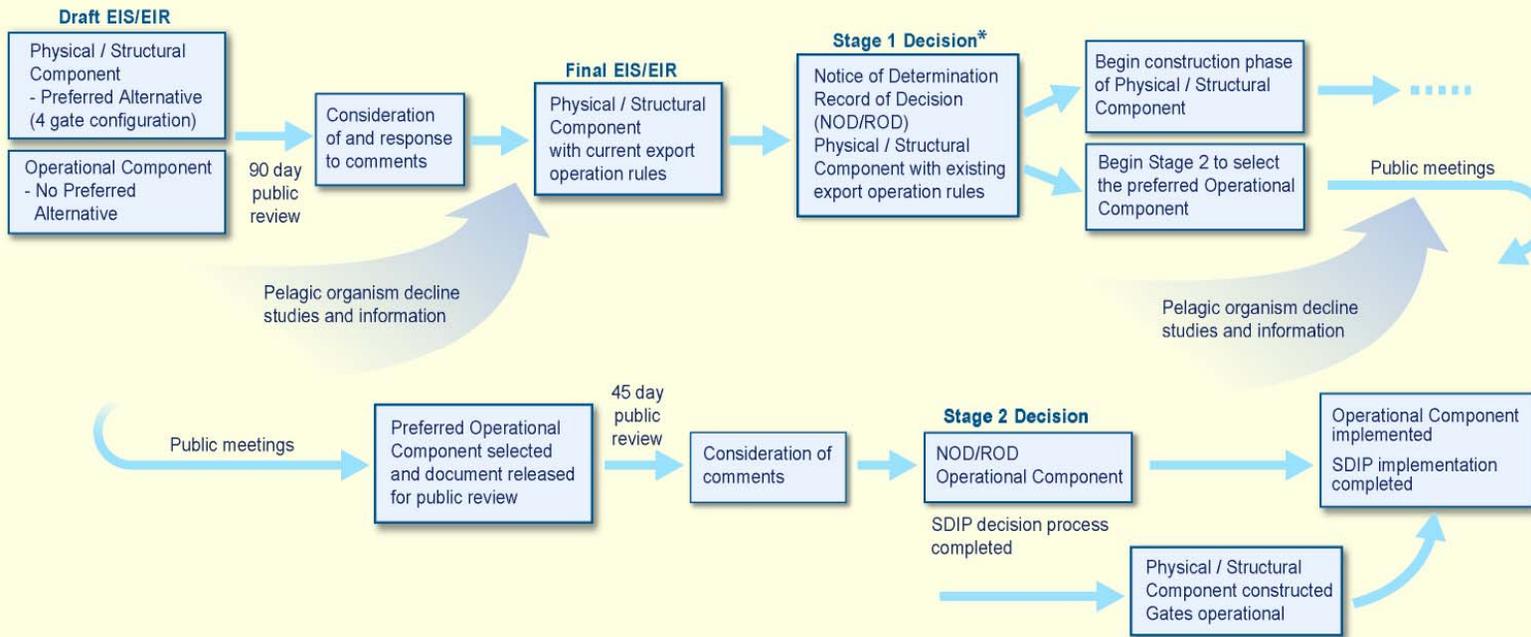
- Reduce movement of salmon into south Delta via Old River
- Maintain adequate water levels and quality for south Delta agricultural diversions
- Increase operational flexibility, increased deliveries to SWP and CVP contractors, and opportunities for exports for fish and wildlife purposes

SDIP Project

- Physical/Structural Component (Preferred)
 - Permanent Operable Gates
 - Dredging
 - Alteration to Local Agricultural Intakes
- Operational Component
 - 3 operation scenarios evaluated
 - No Preferred Operational Component

Staged Decision Process

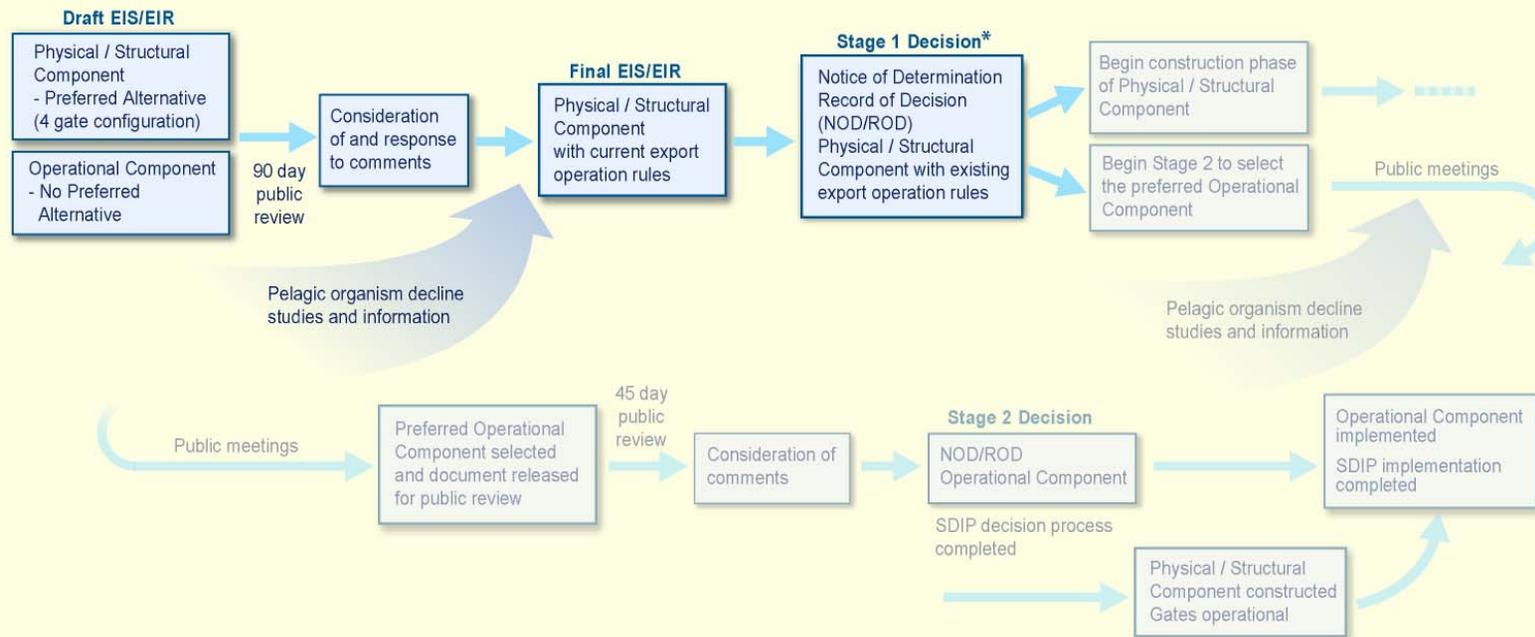
South Delta Improvements Program Staged Decision and Implementation Process



* **Note:** It is possible that the No Action Alternative (Existing export operation rules and temporary barriers) would be selected in Stage 1. If this occurs, there would be no construction phase. A second stage that addresses both the Physical / Structural Component and the Operational Component would be considered.

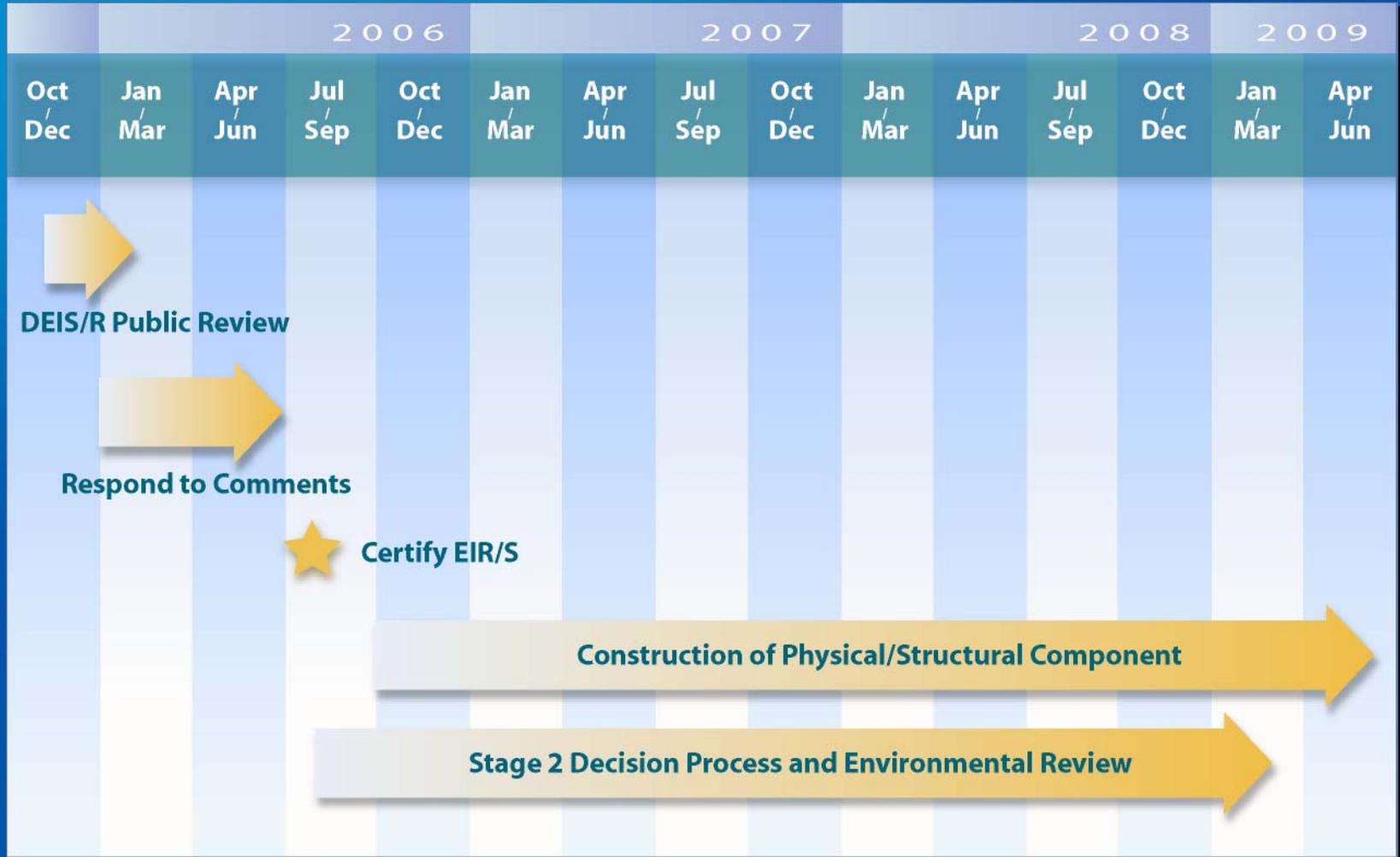
Staged Decision Process Stage 1

South Delta Improvements Program Staged Decision and Implementation Process



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SDIP Schedule



Public Outreach

Five public informational meetings:

- December 6 - Sacramento
 - December 7 - Stockton
 - December 8 - Oakland
 - December 13 – Visalia
 - December 14 – Los Angeles
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- EIS/EIR Public hearings
 - January 18 - Sacramento
 - January 24 – Los Angeles
 - January 25 – Stockton

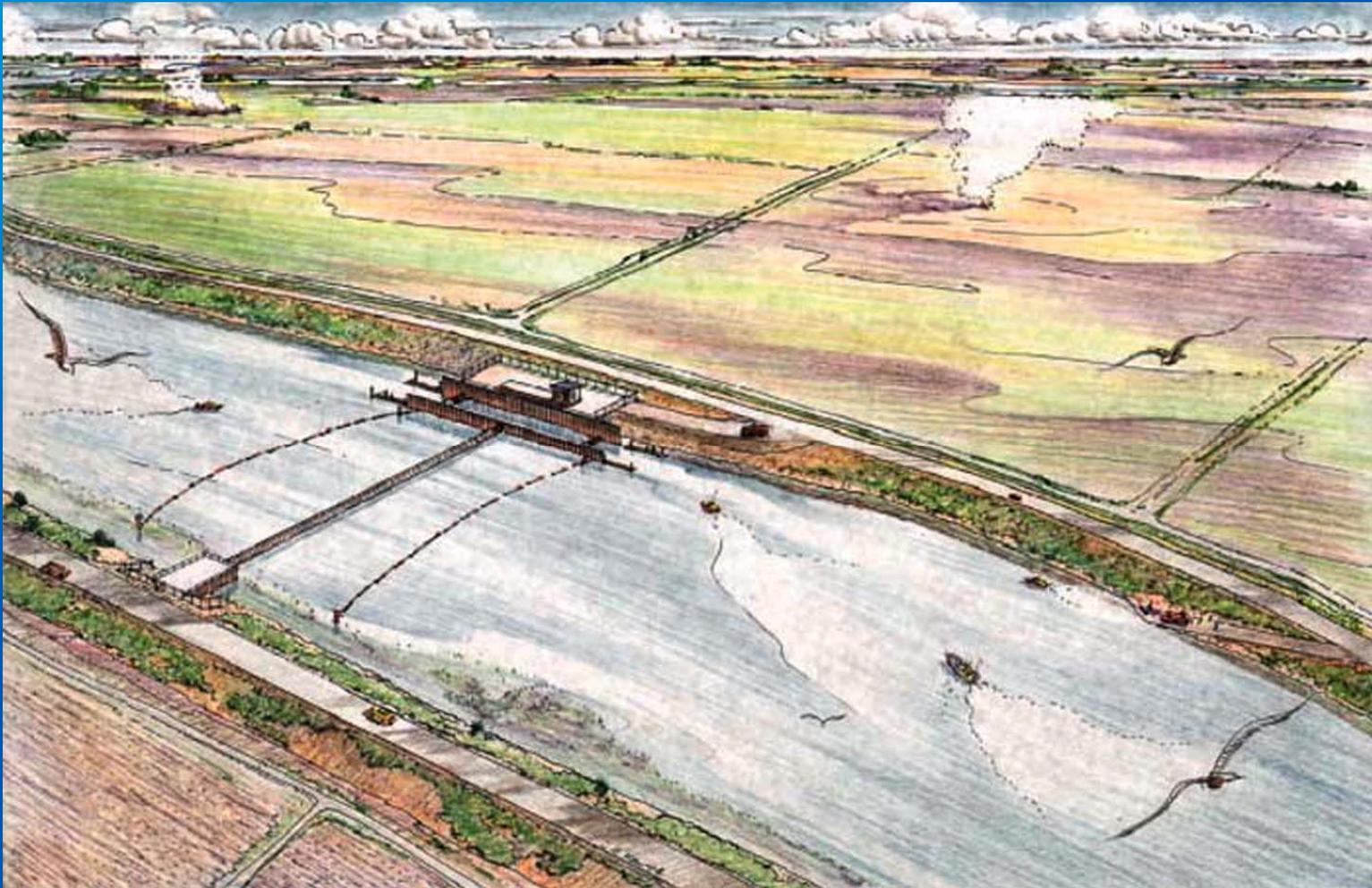
Temporary Agricultural Barrier



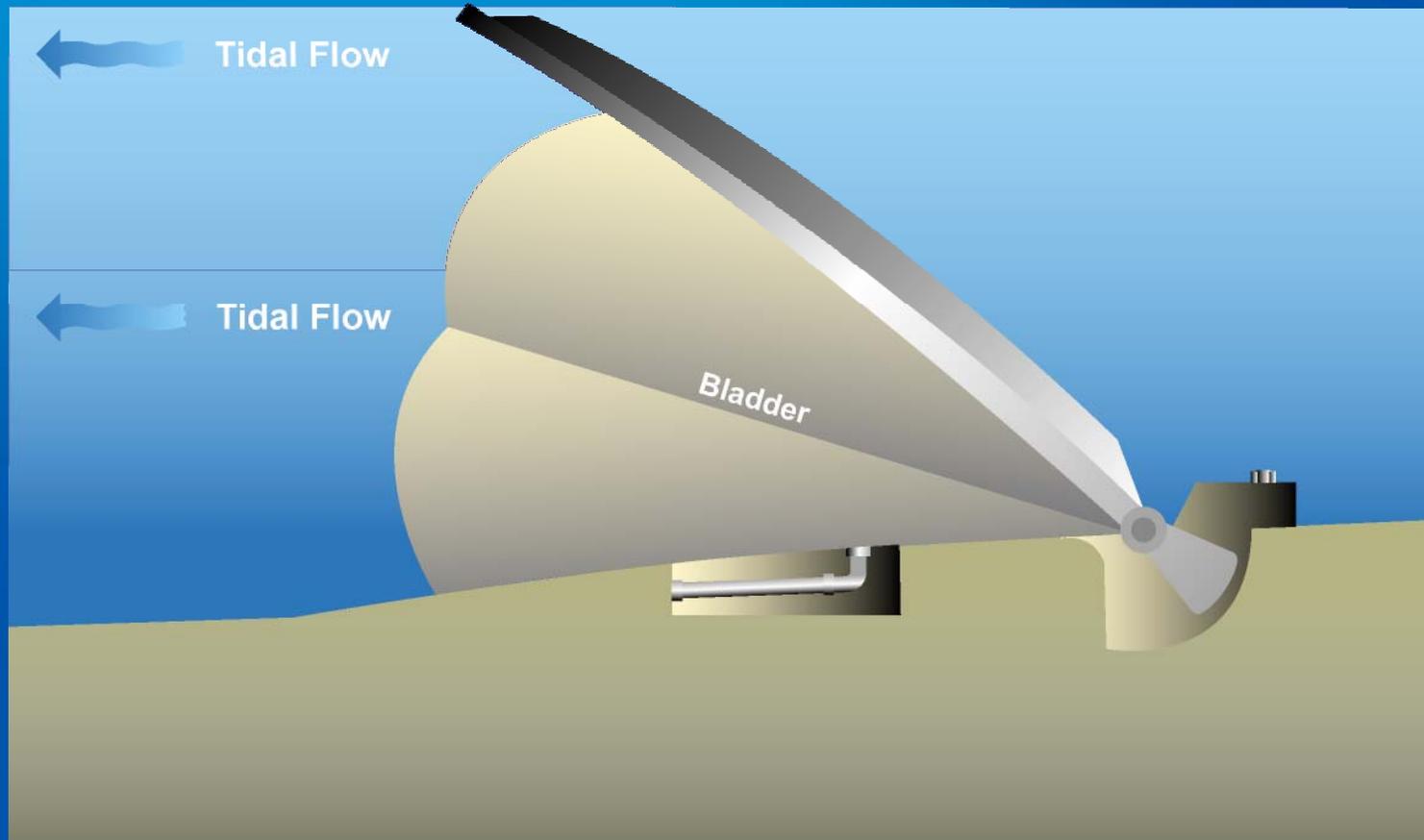
Temporary Barrier Removal



Permanent Operable Gate

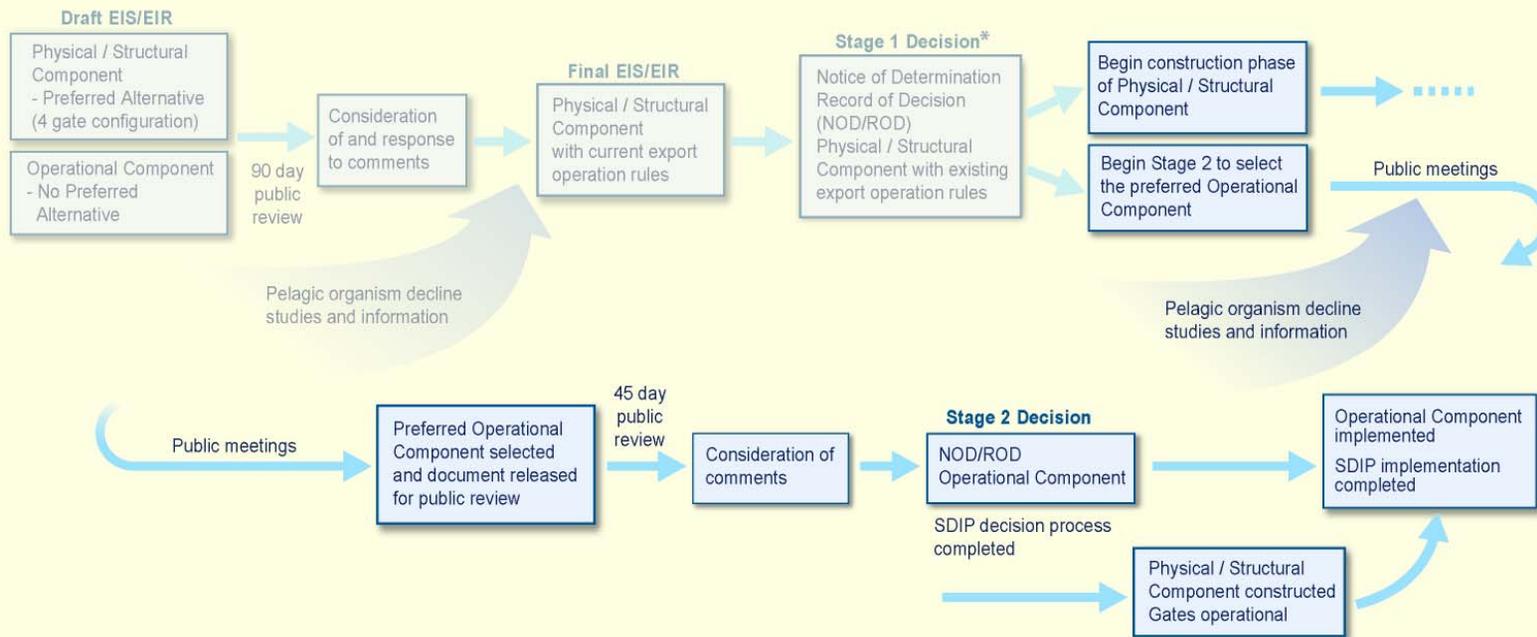


Operational Gates



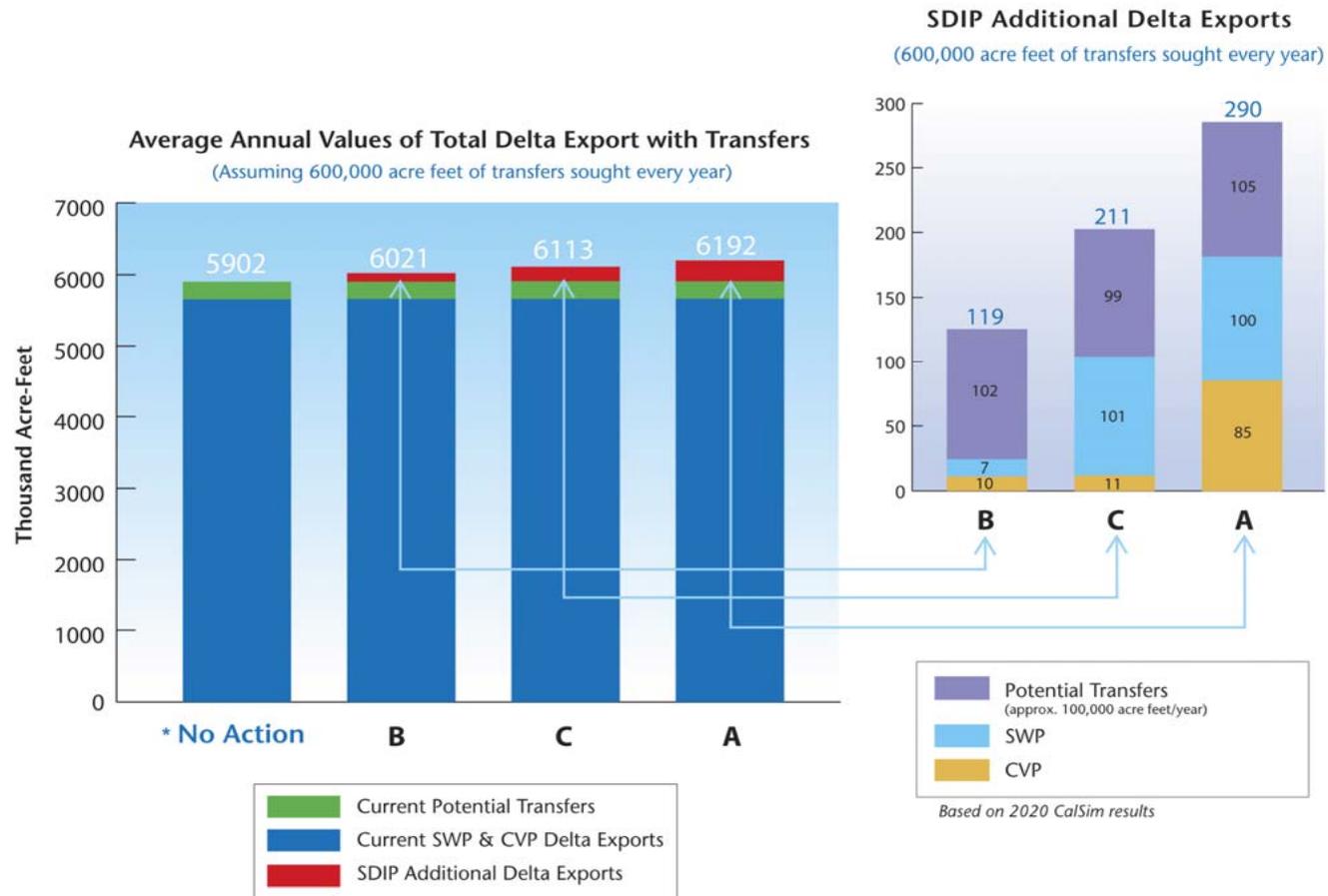
Staged Decision Process Stage 2

South Delta Improvements Program Staged Decision and Implementation Process



* **Note:** It is possible that the No Action Alternative (Existing export operation rules and temporary barriers) would be selected in Stage 1. If this occurs, there would be no construction phase. A second stage that addresses both the Physical / Structural Component and the Operational Component would be considered.

Operational Component



* No Action allows an average annual transfer of 250,000 acre feet/year.

Costs

Action	Estimated Cost (\$)	Yearly Estimated Cost (\$)
Construction		
Permanent operable gates	75 million	
Dredging	9 million	
Agricultural Extensions	2.5 million	
Operations & Maintenance		Up to 1 million
Mitigation, Enhancement, And Conservation		
Acquire & Restore Habitats in South Delta (Prop 204)	10 million	
Mitigation for other project impacts	Up to 6 million	
Fishery Investigations ¹	6 million ¹	
Indirect Effects Conservation Measure ²	2 million ²	
Total	110.5 million	Up to 1 million

¹ Includes total mitigation necessary for implementing both Stage 1 and Stage 2 decisions.

² This measure applies to the implementation of the Stage 2 decision.

Funding

- \$56 Million from Proposition 13
- Additional funds from Proposition 50
- \$10 million in mitigation/enhancement funds from Proposition 204
- Funding from SWP and CVP water users

Alternatives Analyzed

	Existing 6,680 cfs (D-1641)	Operational Scenario A	Operational Scenario B	Operational Scenario C
Temporary Barriers	No Action Alternative			
Four Gates (preferred)	Stage 1	Alternative 2A (Stage 2)		
Four Gates (preferred)	Stage 1		Alternative 2B (Stage 2)	
Four Gates (preferred)	Stage 1			Alternative 2C (Stage 2)
Three Gates	Stage 1		Alternative 3B	
One Gate	Stage 1		Alternative 4B	

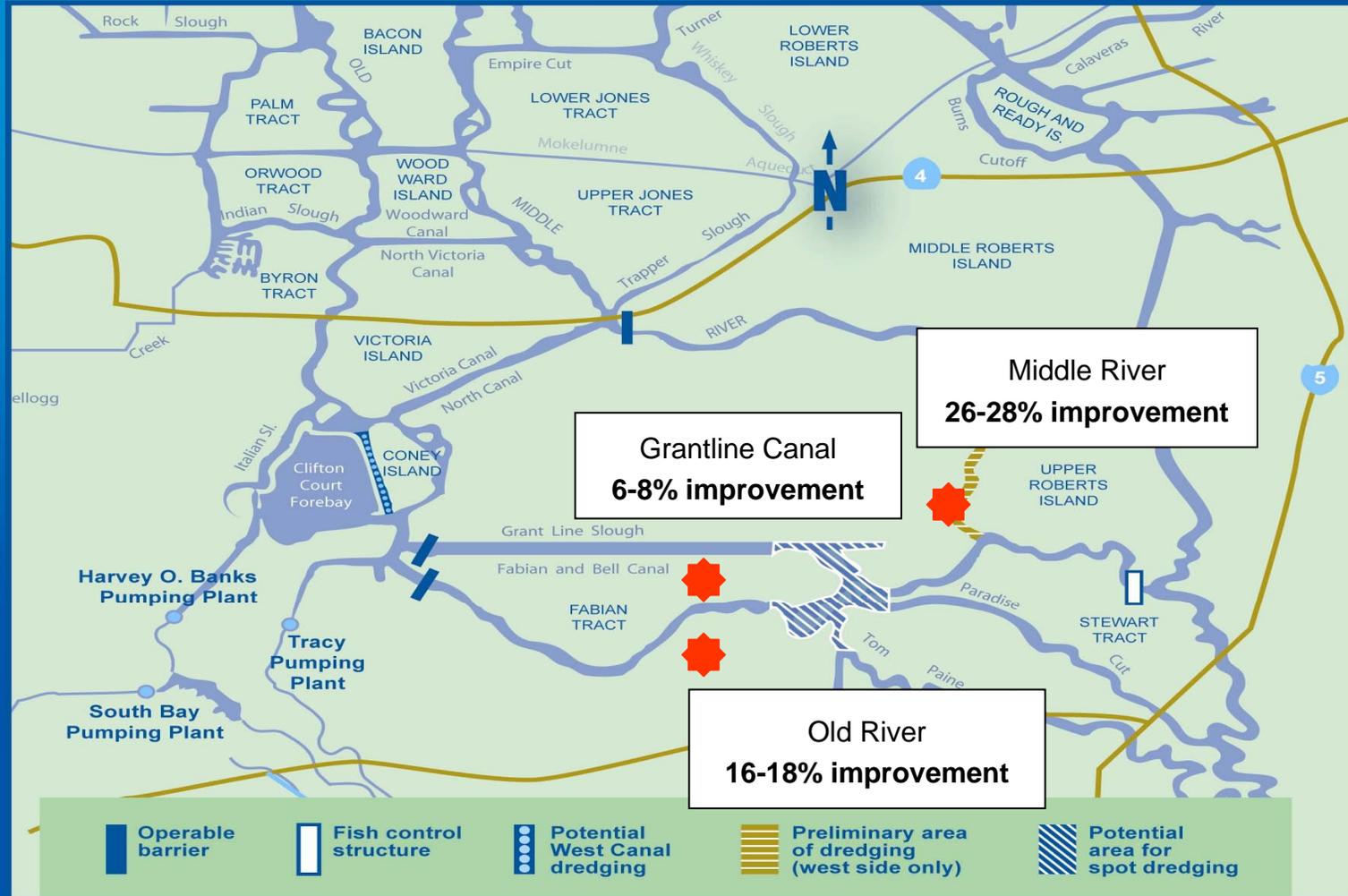
Potential Impacts

- All impacts are mitigated to “less than significant”
 - EWA and fish entrainment
 - CCWD water quality
 - South Delta Water Agency
 - San Joaquin River water quality
 - Water Transfers

Fish Impacts

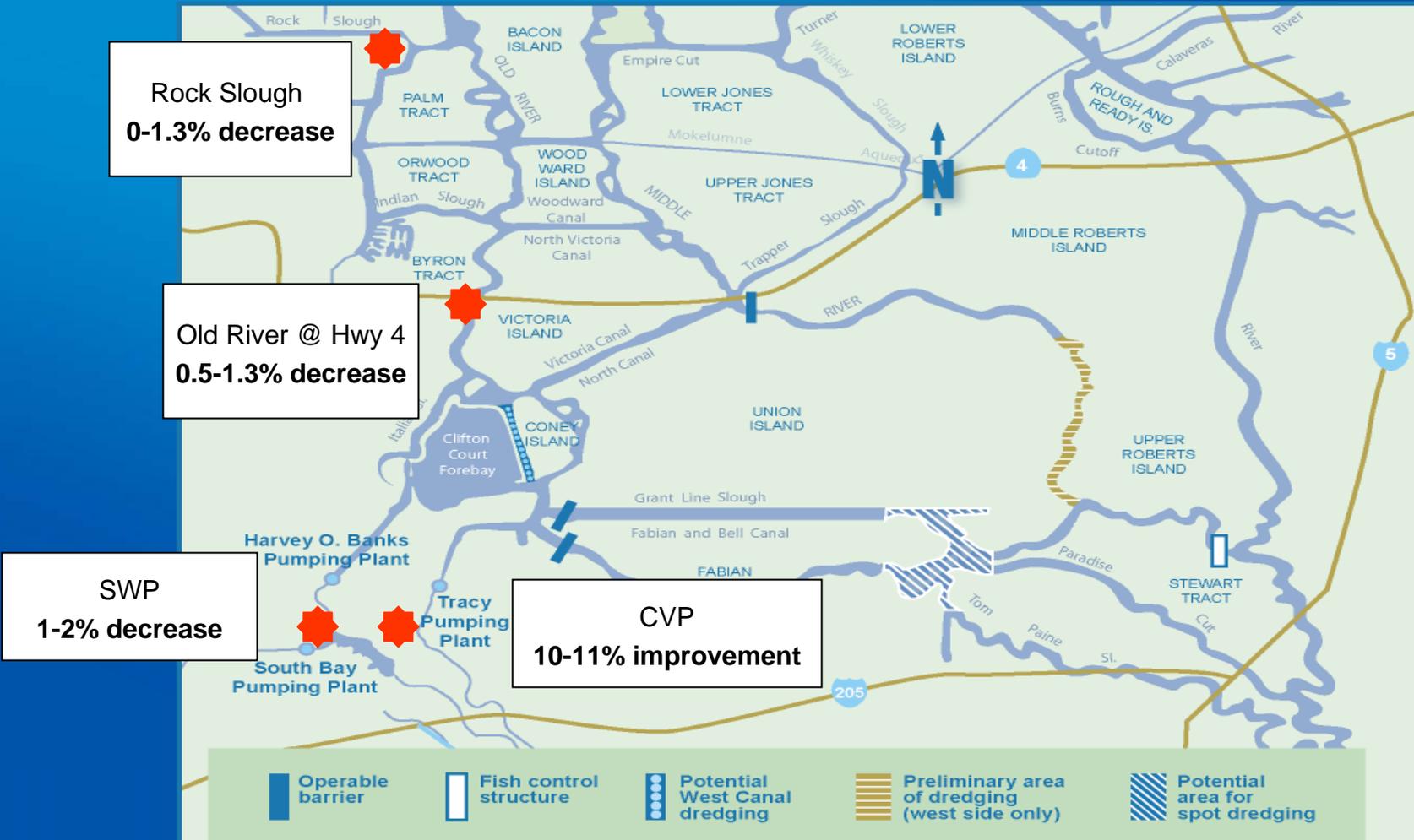
- **Construction/Dredging/Gate Operation – Less than significant**
- **Proposed 8500 Operations**
 - Less-than-significant level requires long-term EWA or avoidance/crediting measures
- **Avoidance/crediting measures**
 - “Free cuts” down to current export limit if equal cut is taken by EWA (November - June)
 - EWA Pumping-reduction credits of 10-30% of non-EWA pumping above current export limit during November - March

South Delta Water Agency Water Quality*



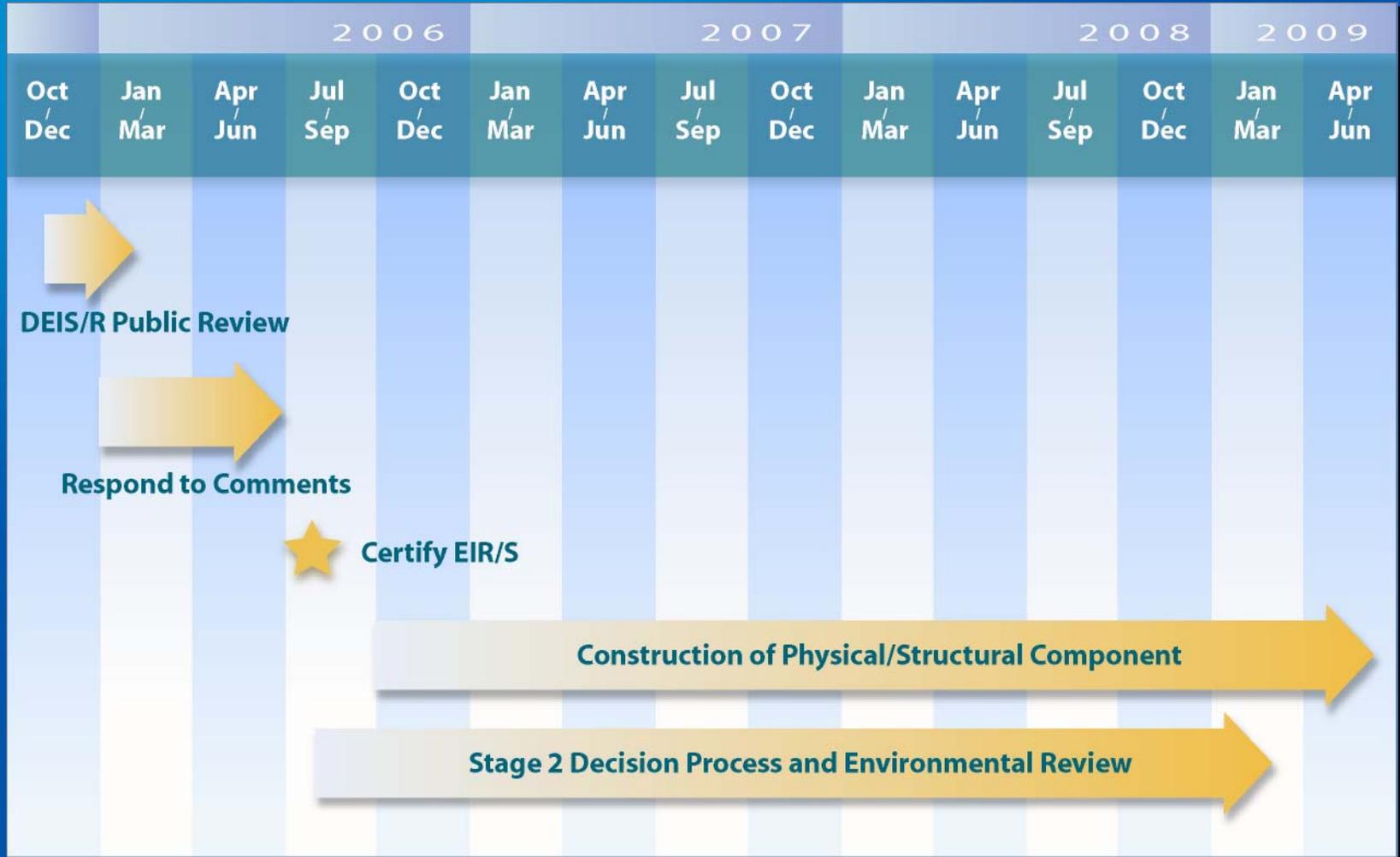
*Average change in electroconductivity, a measurement of salinity

CCWD, SWP & CVP Water Quality*



*Average change in electroconductivity, a measurement of salinity

SDIP Schedule



California Department of Water Resources

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