



CALIFORNIA
WATER FIX
RELIABLE. CLEAN. WATER.



CALIFORNIA WATERFIX OVERVIEW



INTRODUCTION

- **Background**
- **Summary of California WaterFix (CWF)**
 - Physical Components
 - Operations
 - Collaborative Science and Adaptive Management





SWP/CVP FACILITIES IN THE SOUTH DELTA





CWF FUNDAMENTAL PURPOSE AS DESCRIBED IN THE EIR/EIS

- **To make physical and operational improvements to the system to restore and protect:**
 - Ecosystem health
 - Water supplies of the SWP and CVP south of the Delta
 - Water quality within a stable regulatory framework, consistent with statutory and contractual obligations



Protect our state's water supplies from climate change through water system upgrades



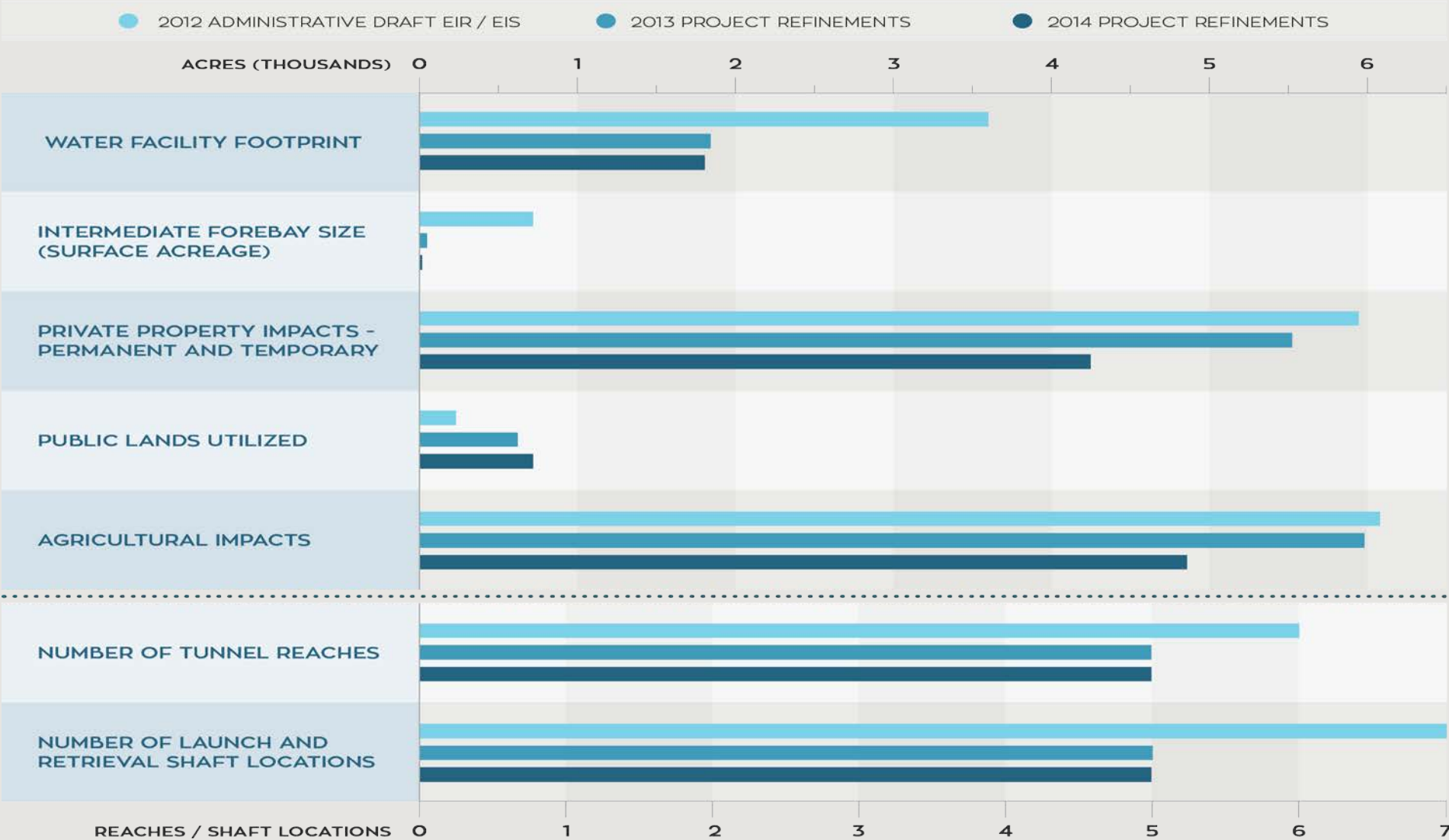
Improve river flows for threatened fish species



Ecosystem restoration and protection



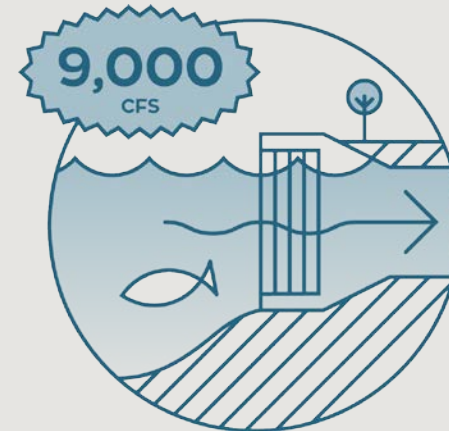
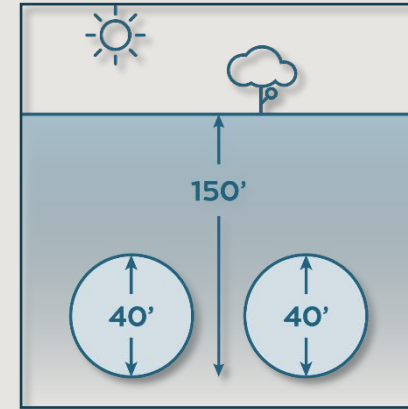
PROJECT REFINEMENTS

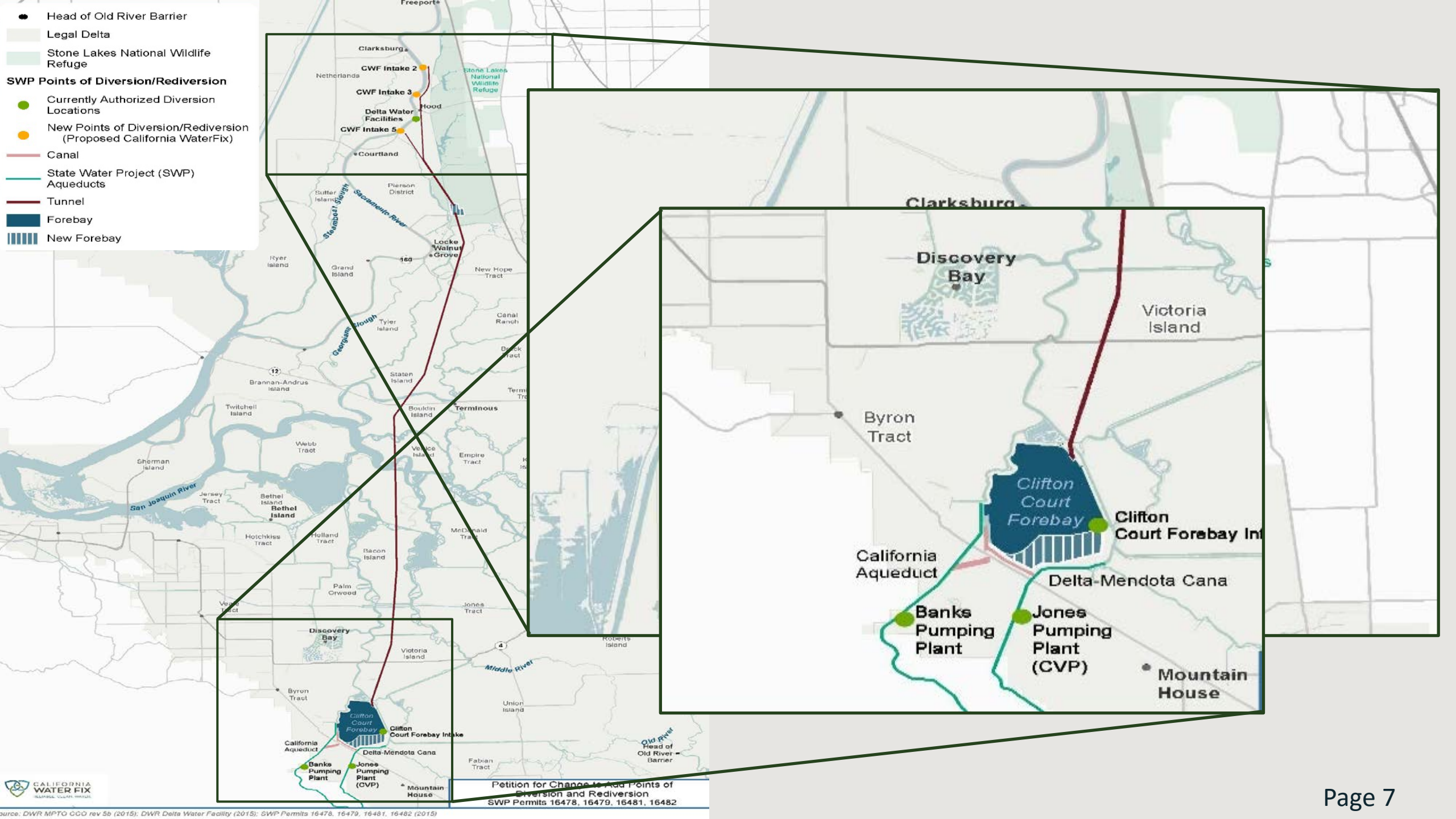


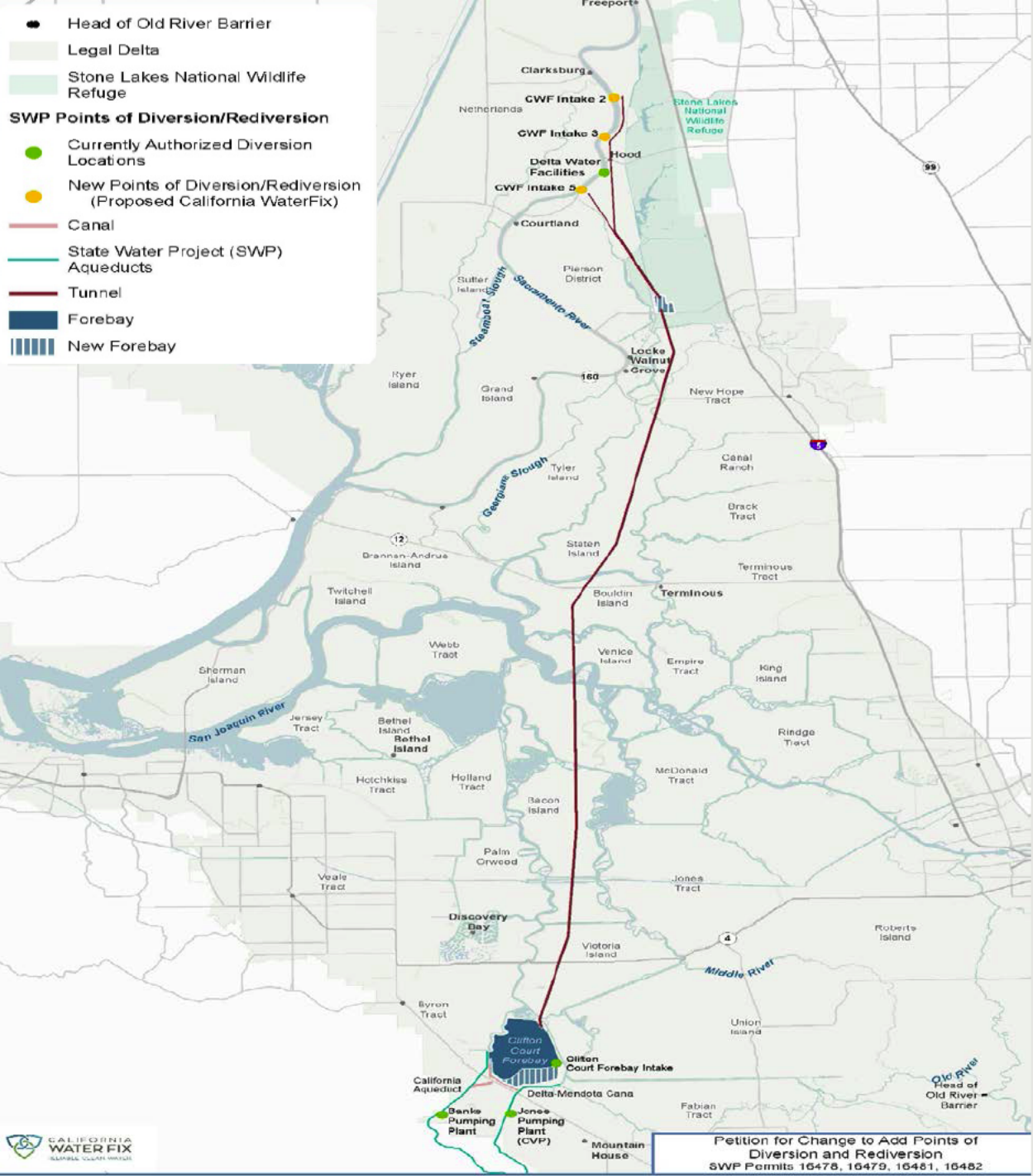


PHYSICAL COMPONENTS OF THE PROJECT

- 2 tunnels up to 150' below ground designed to protect California's water supplies
- 3 new intakes, each with 3,000 cubic-feet per second (cfs) capacity. **Average annual yield of 4.9 million acre-feet**







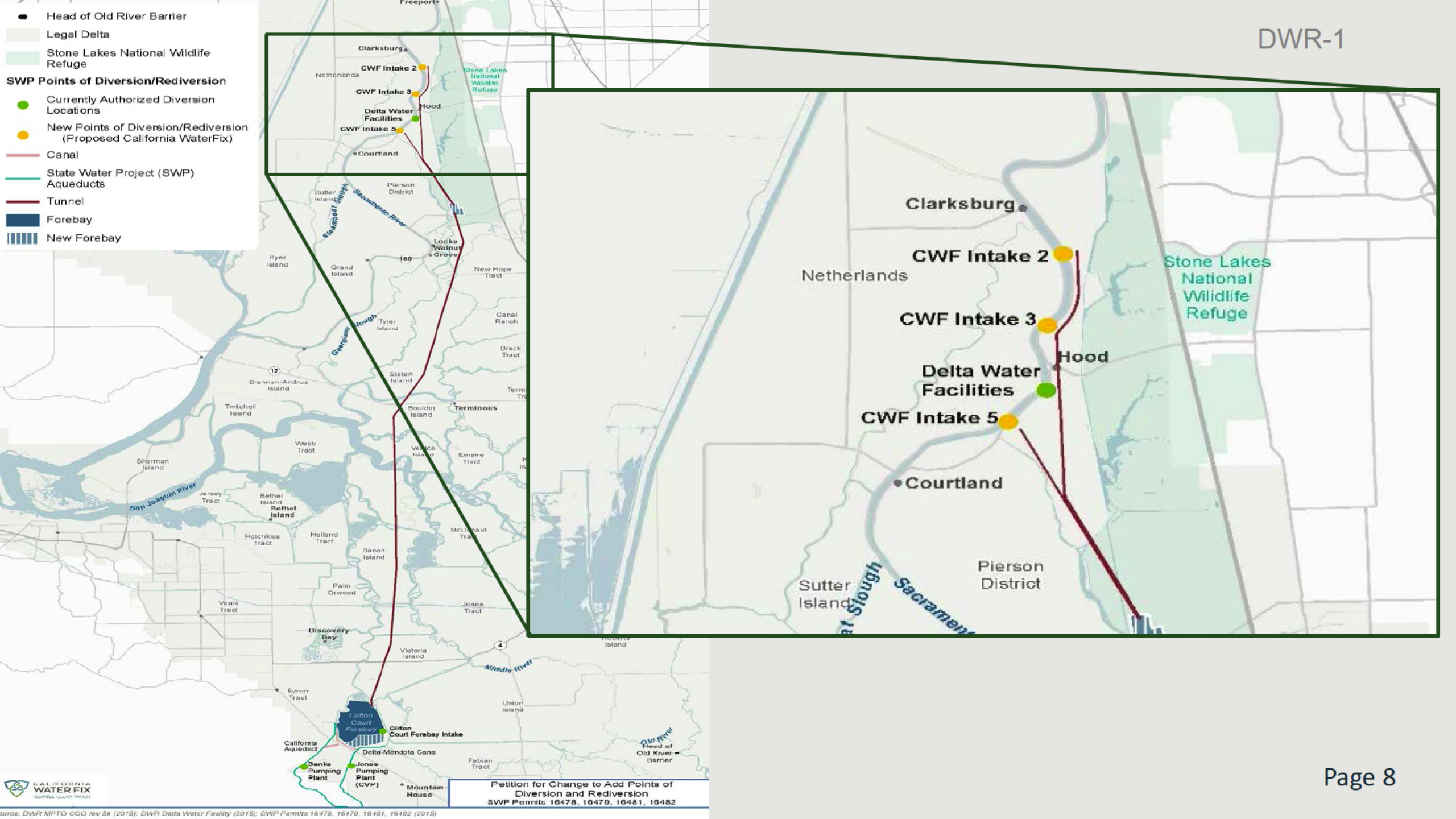




TABLE OF MODELING OPERATIONS

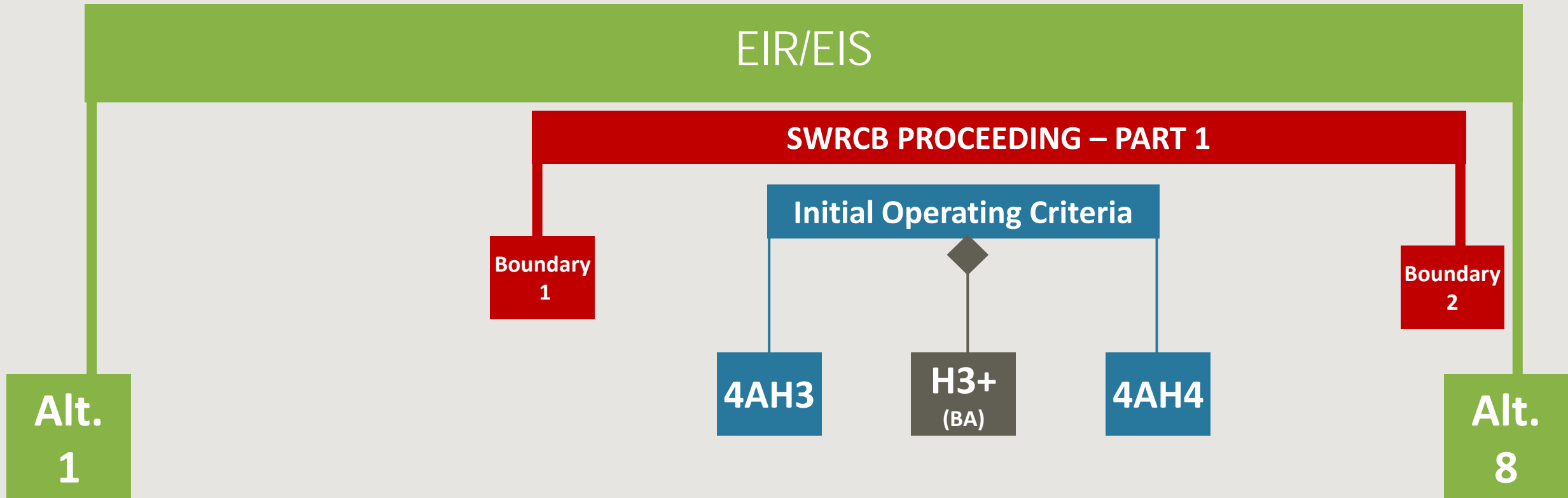
Regulatory Context	Proposed Conveyance	Operations Analyzed
EIR/EIS	Alternative 4A	H3-H4
ESA draft BA	Alternative 4A	H3+
SWRCB Proceeding	Alternative 4A	Boundary 1 – Boundary 2



ALTERNATIVES COMPARISON

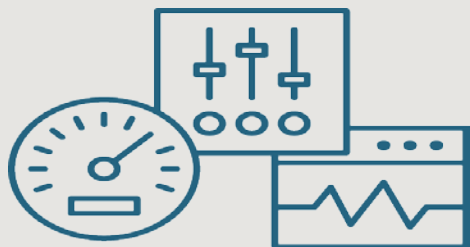
Similar to
Existing
Outflow

High
Outflow





WHAT ISN'T CHANGING



**Upstream operations
of SWP/CVP**



**Water contractor
service areas**



**No change to quantity,
rate, timing, place or
purpose of use under
the existing permits**



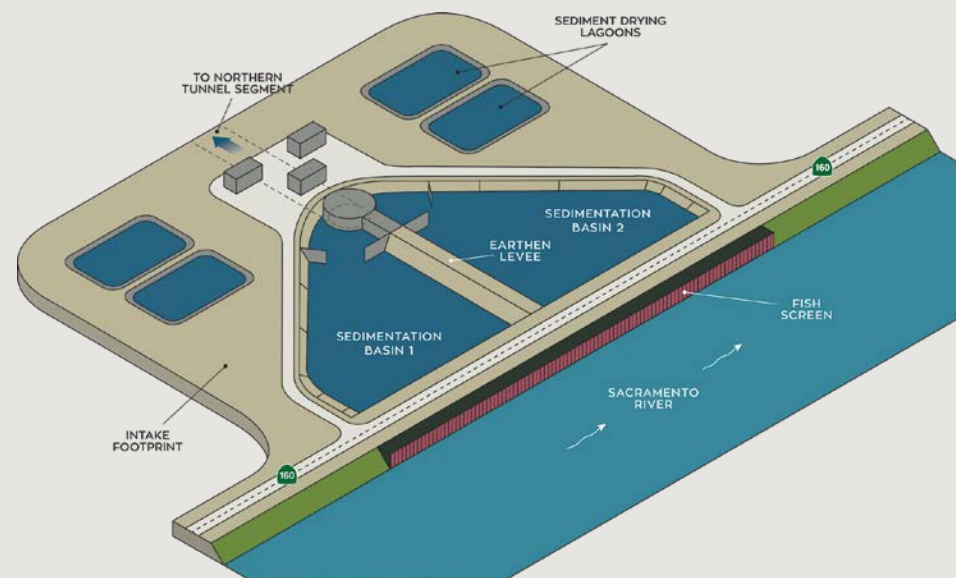
OPERATIONAL COMPONENTS

- **CWF Initial Operational Criteria**
- **Real Time Operations**
- **Collaborative Science and Adaptive Management**
 - Consistent with applicable water quality control plan requirements
 - Decision making coordinating with state and federal fish and wildlife agencies.
 - The framework is developed consistent with existing state and federal adaptive management programs



CWF INITIAL OPERATIONAL CRITERIA

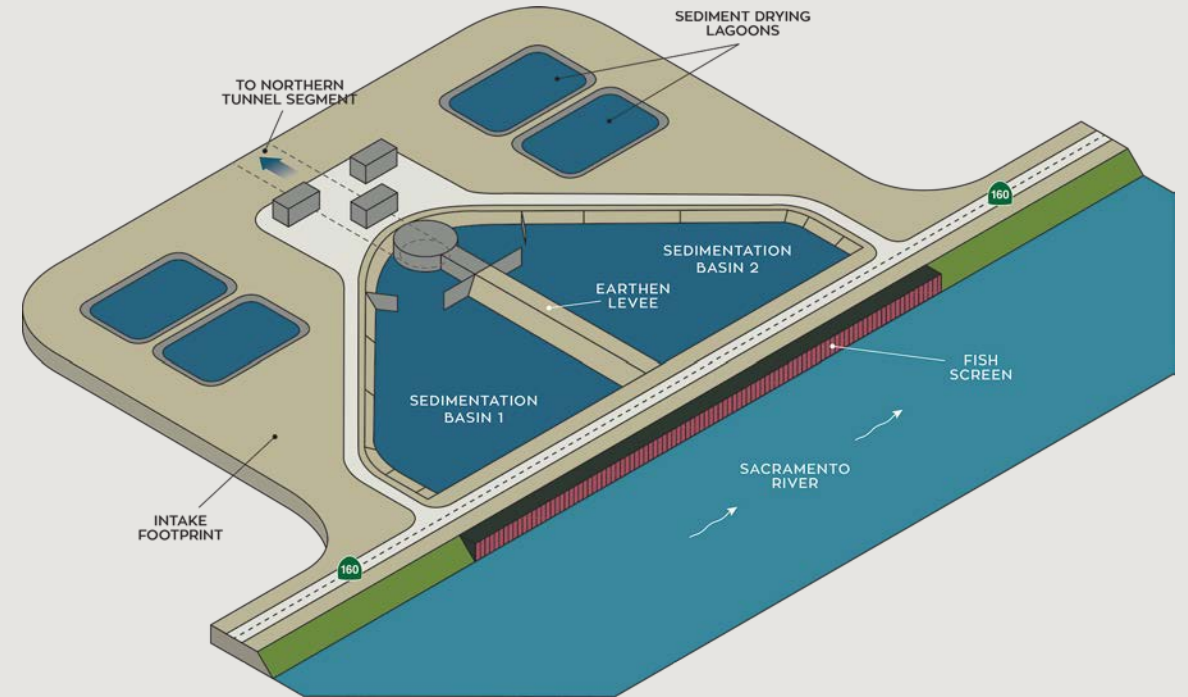
- Continued compliance with D-1641
- No change to Delta Cross Channel, Suisun Salinity Control Gate operations, or Fall X2
- Consistent with existing water rights





CWF INITIAL OPERATIONAL CRITERIA (CONT'D)

- **New criteria for:**
 - North Delta Diversions Bypass Flows
 - South Delta OMR
 - Head of Old River Gate
 - Rio Vista minimum flows
 - Potential spring outflow





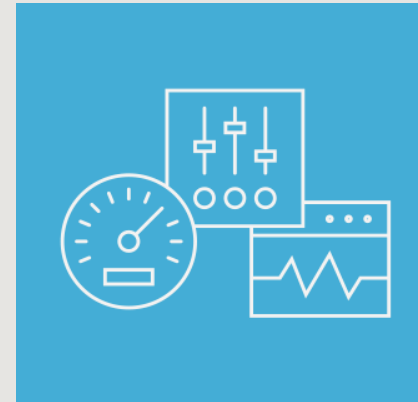
	9,000 cfs North Delta Diversion	Fall X2	Delta Outflow requirements	NMFS BiOp SJR i/e ratio	OMR Requirements	Head of Old River Barrier/Gate
No Action Alternative	No	Yes	Per D-1641	Yes	Yes; per BiOps	Temporary barrier installed in fall months
Boundary 1	Yes	No	Per D-1641	No	Yes; per BiOps	Permanent gate operating in fall months consistent with NAA
H3	Yes	Yes	Per D-1641	No	Yes; more restrictive of either BiOps or new OMR requirements identified in the RDEIR/SDEIS for Alternative 4A	Permanent gate operating in fall, winter and spring months (partial closure)
H4	Yes	Yes	Per D-1641 and increased Delta Outflow requirements during March-May	No		
Boundary 2	Yes	Yes	Per D-1641 and increased Delta Outflow goals in all months	No	Yes; more restrictive of either BiOps or new OMR requirements identified in the RDEIR/SDEIS Appendix C	Permanent gate operating in fall, winter and spring months (full closure)



COLLABORATIVE SCIENCE & ADAPTIVE MANAGEMENT

- **Focused on**

- North Delta Diversion screen design
- Habitat restoration
- Delta Operational Criteria





COLLABORATIVE SCIENCE & ADAPTIVE MANAGEMENT FRAMEWORK

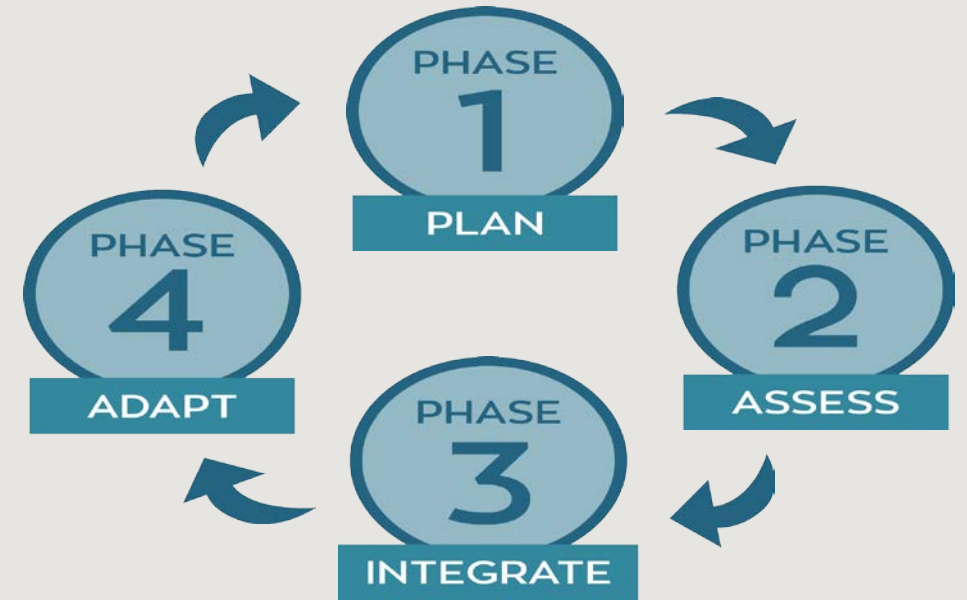
- **Provides framework for targeted scientific research to address uncertainties and make adjustments over time**
- **Consistent with applicable water quality control plan requirements**
- **Decision making coordinating with state and federal fish and wildlife agencies**
- **The framework is developed consistent with existing state and federal adaptive management programs**



COLLABORATIVE SCIENCE AND ADAPTIVE MANAGEMENT (CONT'D)

- **Key Concepts include:**

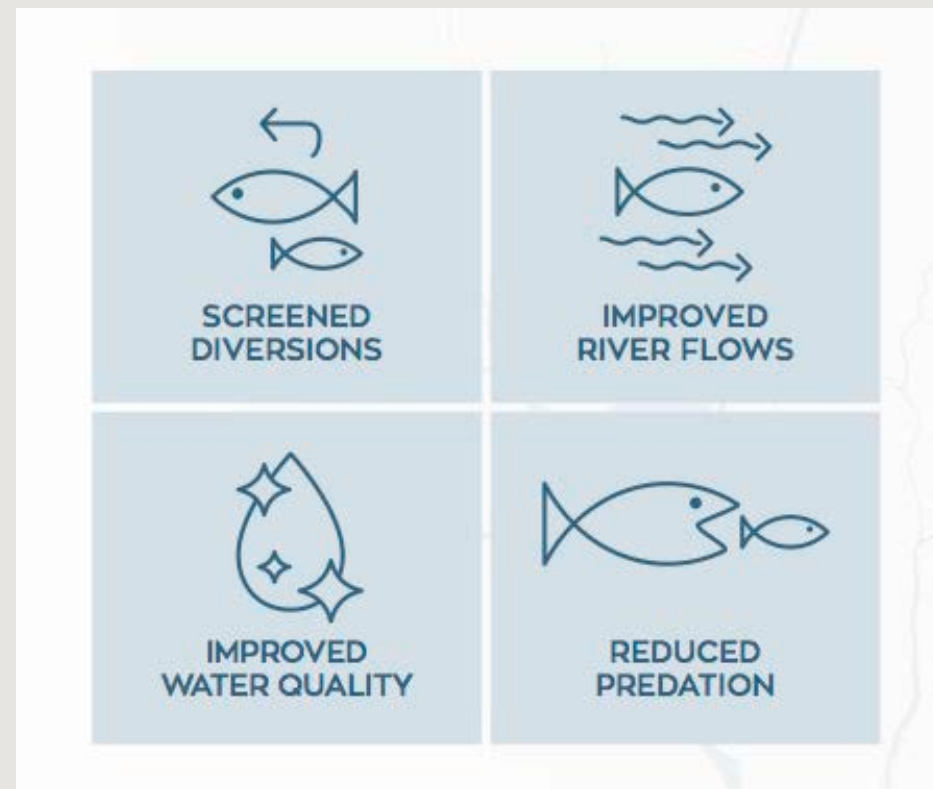
- Undertake collaborative science
- Guide the development and implementation of scientific investigations and monitoring
- Apply new information to management decisions and actions





TESTIMONY OVERVIEW

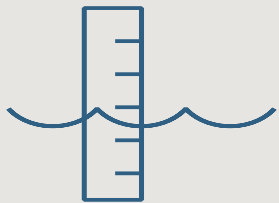
- **Engineering testimony will provide detail about mitigation for project construction**
- **Operations testimony will provide detail about existing and continued real time operations:**
 - Real-time adjustments to North Delta Diversion, south Delta facilities, and Head of Old River Gate to continue to operate to D-1641





TESTIMONY OVERVIEW

Modeling testimony will provide detail regarding the assumptions and modeling results completed for the boundary analysis:



Water Levels



Water Supply



Water Quality



Reservoir Storage



TESTIMONY OVERVIEW

Water Rights testimony will provide detail about:



Water Rights



Overview of Settlement
Agreements



NEXT PRESENTER

Engineering/Facility Description



