

*BDCP Status*  
*For*  
*The Water Supply Subcommittee*

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# Where are we in the Process ?

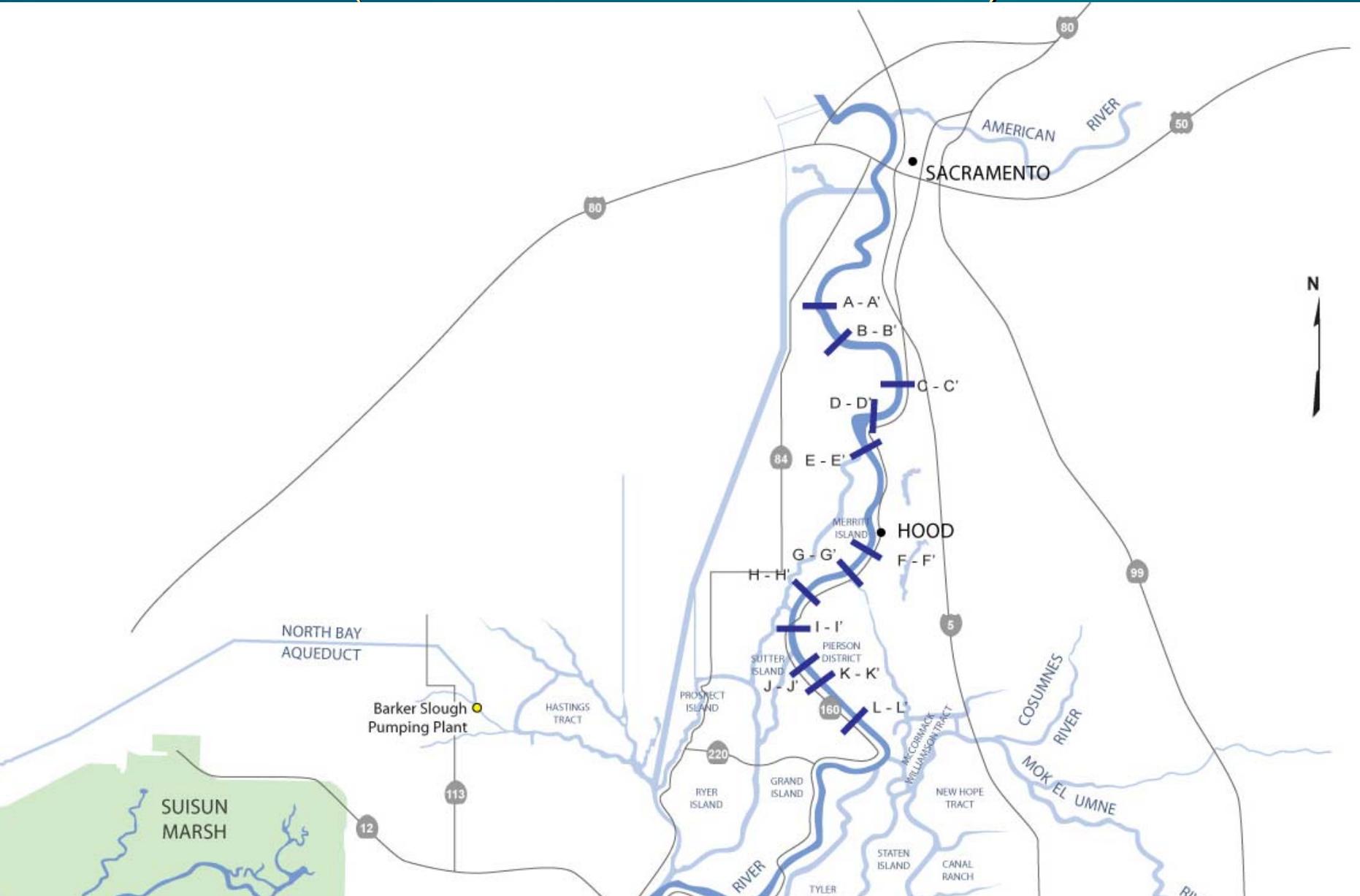
## **BDCP Working Groups**

- Analytical Tools Team
- Conveyance Work Group
- Biological Goals and Objectives Work Group
- Habitat Restoration Program Technical Team
- Other Stressors Workgroup
- Governance Work Group
- Public Outreach Subcommittee

# Conveyance Status

- Technical Teams discuss flows for habitat, X2, Variable Salinity, Flooded Islands, M&I salinity, Exports
- Interactive Scenario Modeling (Callite)
- Fish Facilities Technical Team Report
- Value Engineering Effort
- Bathymetry
- Bypass Flows

# Sacramento River Diversion Bypass (Fish Facilities Technical Team)

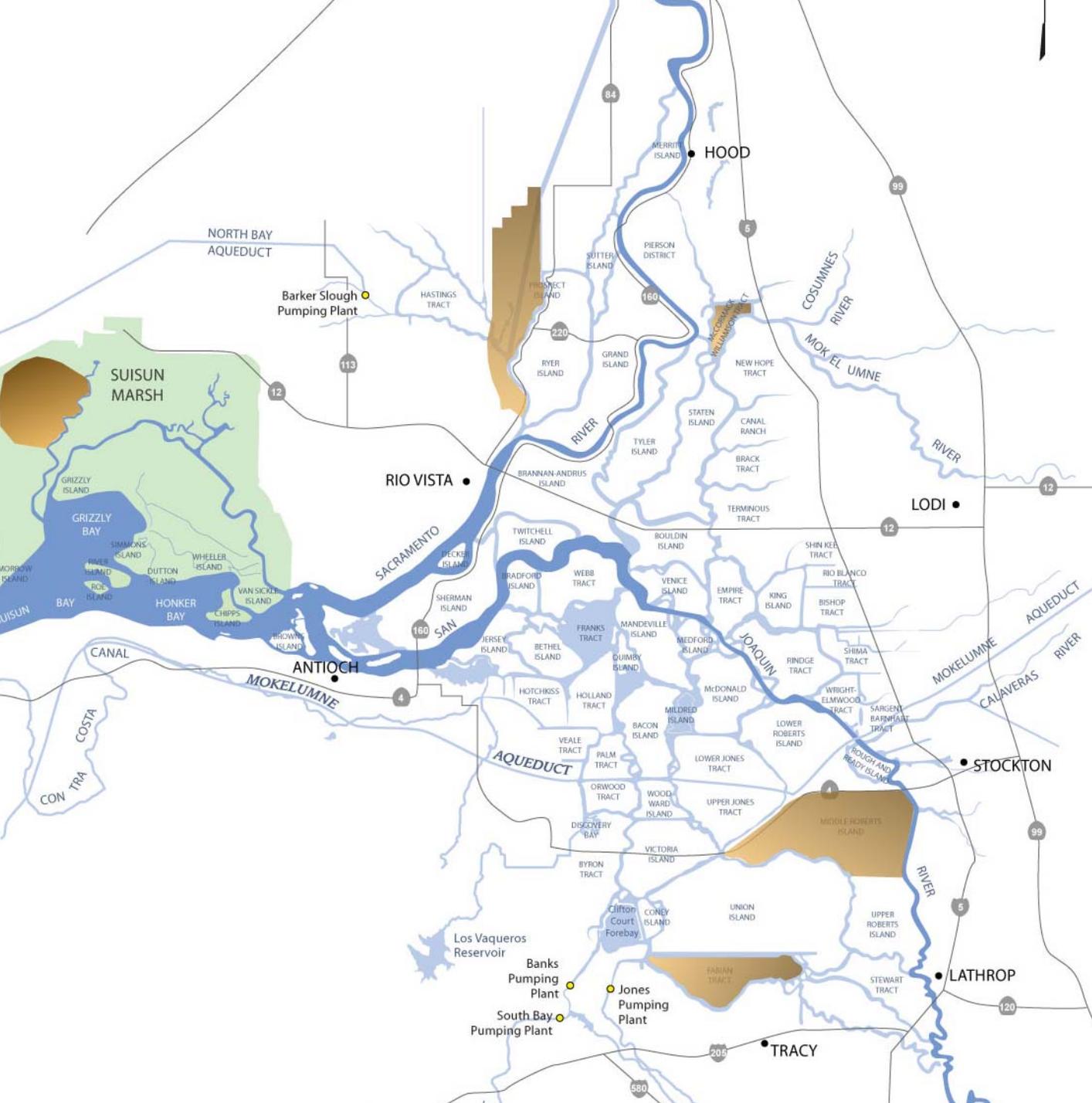


# Habitat Status

- Tidal and Flood Plain Habitat
- Water needed for Flood Plain
- Sacramento River Bypass Flows
- Interaction with Dual Conveyance
- Habitat Corridor concept

# Tidal Habitat

(discussed, but not proposed)



# Yolo Bypass

(Discussed, not proposed)



**Legend**  
Inundated area for different  
model flows at Fremont weir

- b 2000 cfs
- b 3000 cfs
- b 5000 cfs
- b 6000 cfs
- b 7000 cfs
- b 8000 cfs
- b 9000 cfs
- b 10000 cfs

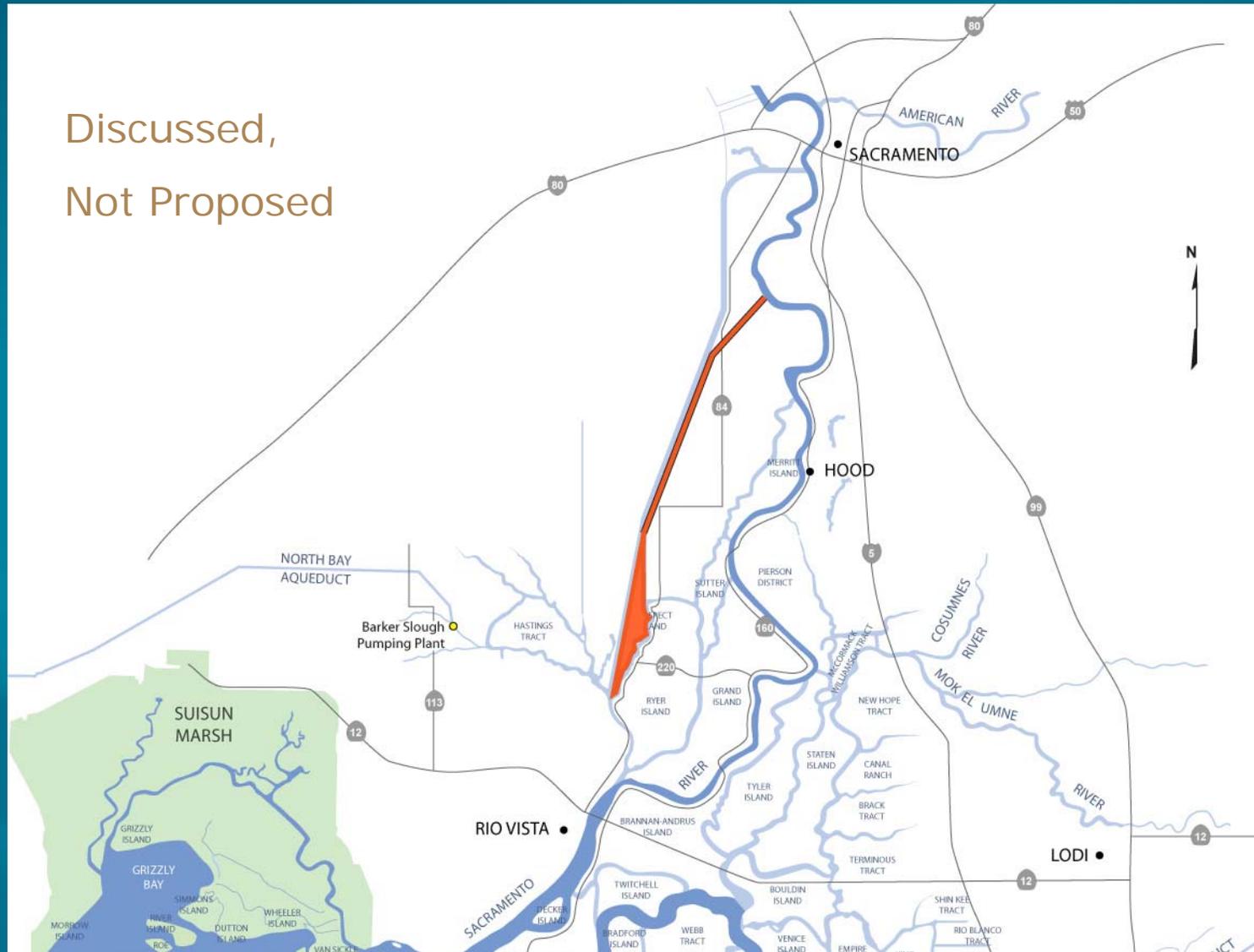
0 2,500 5,000 10,000 15,000  
Meters

0 0.5 1 2 3  
Miles

Results from a Preliminary HEC-RAS run with current elevation conditions obtained from the USGS National Elevation Dataset (NED). Elevations in meters, horizontal datum NAD83 vertical datum NAVD88

# Sacramento Deep Water Ship Channel Flood Bypass

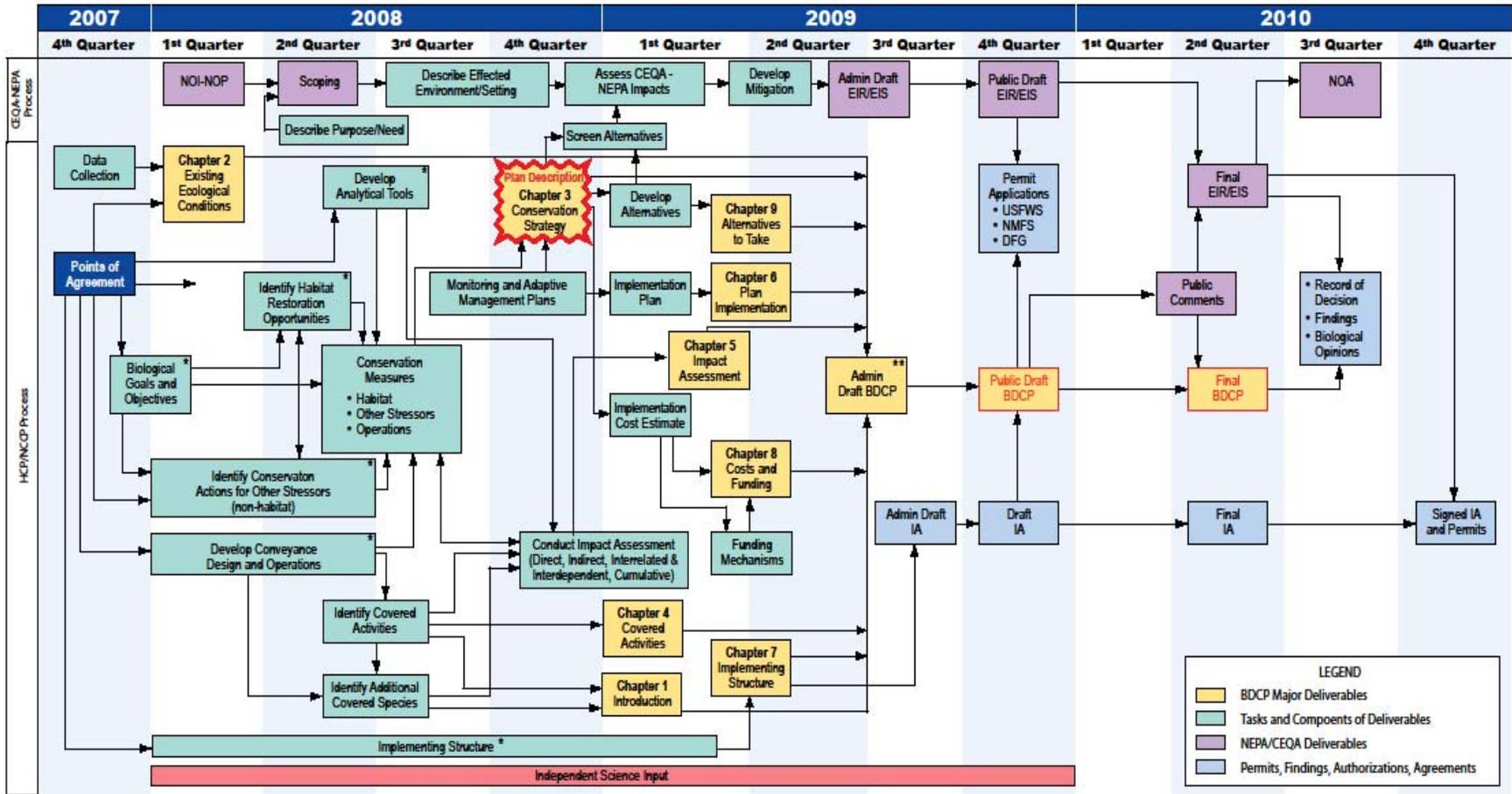
Discussed,  
Not Proposed



# Other Stressors

- Draft Report
- Leans on other agencies
- Contaminants

## BDCP Development Process and Schedule



Acronyms: NOI = Notice of Intent NOP = Notice of Preparation EIR = Environmental Impact Report EIS = Environmental Impact Statement NOA = Notice of Availability IA = Implementing Agreement

\* See corresponding subdiagram for more detail of process for this step.

\*\* Includes additional sections: Chapter 10 Independent Science Advisory Process, Chapter 11 List of Preparers, Chapter 12 References, and Appendices.

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# Analytical Tools Team

## **Purpose:**

To develop recommendations regarding analytical tools and analyses that would be useful for the development and evaluation of the BDCP Team will consider three functional categories of analytical tools:

- Tools that could be employed in 2008 for development of the BDCP
- Tools that could be used to evaluate and assess the sufficiency of the BDCP in meeting ESA and NCCPA permitting requirements
- Tools that would be useful for implementation of the BDCP

# Conveyance Work Group

Overall purpose: to develop, analyze, and recommend proposed actions related to conveyance systems and their operations.

- Proposed physical changes for new diversion and conveyance location
- Consider proposed changes for existing SWP & CVP diversions
- Review model assumptions
- Develop range of operating criteria for evaluation
- Conduct model runs with revised ranges of criteria and assumptions
- Evaluate operating criteria and assumptions for near-term implementation
- Make recommendations on long-term dual conveyance implementation

# Biological Goals and Objectives Work Group

**Principle charge:** The development and refinement of the overall biological goals and objectives for the BDCP that will address the needs of covered species and their habitats to satisfy the requirements of the ESA and NCCPA

- **Overarching goals and objectives for BDCP**
- **Specific conservation measures, including performance standards and metrics**
- **Non-specific Draft document has been created**

# Habitat Restoration Program Technical Team

- Assignment: Further develop the opportunities for a habitat restoration both in the near and long term and to formulate recommendations for such a program that can be further evaluated from a financial, ecological, and feasibility perspective.
- Phased strategy anticipated
- Initial efforts focused on areas with the greatest near-term conservation benefits
- Other efforts may await the completion of new conveyance facilities

# Other Stressors Technical Team

Charge: To evaluate and develop conservation actions designed to help address a number of stressors on covered species other than water conveyance facilities and operations

Other stressors include:

- Invasive species
- Contaminants
- Harvest
- Entrainment at non SWP/CVP facilities
- Reduced genetic diversity and integrity
- Effects of climate change

# Governance Work Group

Charge: To formulate recommendations on how to organize the institutional mechanisms and assignment of responsibilities for implementing the BDCP

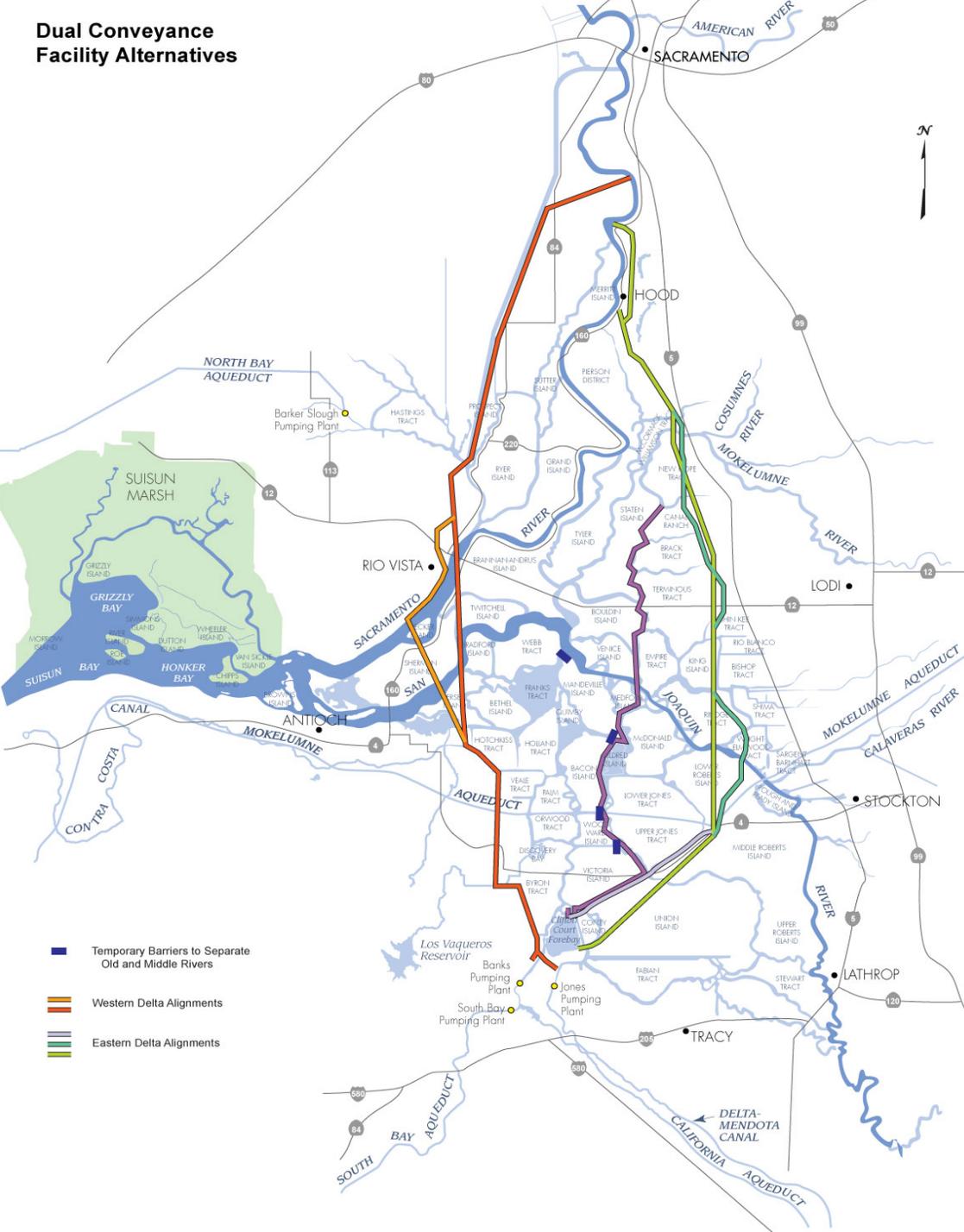
Governance entity responsibilities will include:

- Conservation measures
- Adaptive management and monitoring program
- Plan funding
- Oversight and reporting

# Public Outreach Subcommittee

Implement an outreach program that sustains an open and transparent process; meets NCCPA, and ESA requirements; raises awareness; improves mutual understanding of BDCP, DV, And other Delta efforts; builds trust; identifies issues; and sustains momentum

## Dual Conveyance Facility Alternatives



# Components of Dual Conveyance

- Isolated Conveyance during periods sensitive to Delta fish species
- Through Delta conveyance during periods when Central and South Delta Water Quality are needed

# Exporting Nutrients from Restored Tidal Habitat



Source: [www.sacramento-sjra.com](http://www.sacramento-sjra.com)