









Banta-Carbona Irrigation District, Broadview Water District, Byron Bethany Irrigation District (CVP), Central California Irrigation District, Centinella Water District, City of Tracy, Columbia Canal Company, Del Puerto Water District, Eagle Field Water District, Firebaugh Canal Water District, Fresno Slough Water District, Grasslands Water District, James Irrigation District, Laguna Water District, Mercey Springs Water District, Oro Loma Water District, Pacheco Water District, Pajaro Valley Water Management Agency, Panoche Irrigation District, Patterson Irrigation District, Pleasant Valley Water District, Reclamation District 1606, San Benito County Water District, San Luis Canal Company, San Luis Water District, Santa Clara County Water District, Tranquillity Irrigation District, Turner Island Water District, West Side Irrigation District, West Stanislaus Irrigation District, Westlands Water District, Widren Water District.



Why is the Delta so important?

- Fresh water from the Delta supports:
 - 25 million Californians;
 - Regional ecologies;
 - Agriculture and Industry.
- \$400 billion of the State's economy
- Any loss impacts our economy and environment.



Endangered Species Act

and other Species of Concern



1993 - Threatened (CESA/FESA)



Longfin smelt

2007 – Petition under consideration (FESA & CESA)



Chinook Salmon

1989 – Winter-Run: Endangered (CESA) 1990 – Winter-Run: Endangered (FESA) 1999 – Spring-Run: Threatened (CESA/FESA)



Steelhead

1998 – Threatened (FESA) No CESA listing



Sacramento Splittail

1999 – Threatened (FESA) 2003 – FESA listing removed No CESA listing



Key Delta Risks







Exhibit D The Pelagic Organism Decline





Past and Future Seismic Events in the Bay-Delta Region



Reclaimed Delta has generally been in a relatively low seismic period

Increased probability for future large earthquakes



Near-Term Other Stressors Toxics, Unscreened diversions, etc.

Stockton

South San Joaquin Valley Pyrethroid Usage



Other Stressors

- **Toxic pollutants**
- Upstream diversions
- In-Delta diversions
- Invasive species
- Predation
 - Climate change
 - Recreation/commercial activities
- Intentional take
 - Ocean conditions
 - Water quality
 - Food supply
 - Stock recruitment

Forums Considering Delta "Solutions"

- Bay Delta Conservation Plan
- CALFED
- Delta Vision
- Governor's Office
- Public Policy Institute of California
- State Water Resources Control Board

DELTA VISION

	2008				prepared by	Delta Vision	and the CAL	FED Bay-D	elta Program				August	21-22, 2008
	January	Føb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	2009	2010
Delta Vision Committee	[Committee Meeting	J	Committee Meeting	J	:	:	: I	early September Committee Meeting	J	mid-Movember Committee Meeting	early-mid Dec. Committee Meeting		
	Monting (3						· (=				1	Report to Governor and Legislature] •	
Blue Ribbon Task Force	FINAL Datta Vision					DRWFT	ř –	Brained drafts		FINAL Strategic Plan to Committee			1 1	
	Report Research		-	-		Strategic Plan		:		and Governor			I I	
Stakeholder Coordination	Dates		: :		: (*)	:	. 2	:	: (*)	-	5	÷	: :	
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(DRMS)						ADMIN DISAFT	<u>ا</u>			aport	Public		·	
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(OCAP)			Assessment	Assessment			-		Opinion	1		Opinion		
CALFED Stage 2 Planning					Stage 2 Plane	wing and Implementati	on Effort, in coordinat	ion with Delta Vision-	and the Bay-Delta Con	servation Plan				
SWRCB Bay-Delta	Pelagic Organism	Update on Strategic	Public Comment 4	& Board Direction			FINAL Strategic Workplan for		San Joaquin River			:		
Strategic Workplan	Decline Workshop	History Lan	on Strategi	ic Workplan			SWRCE Adoption		Flow Workshop				· ·	
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DRAFT: Delta Outflow, Upstream Consumptive Use, In-Delta Consumptive Use, and Exports



- Impacts of Water Supply to San Joaquin Valley Agriculture
- •
- •
- Water Loss since CVPIA 1992
- 1992 Enactment of CVPIA
- Section 3406(d) Reallocated water from south-of-Delta CVP Ag service contractors to Level 2 Refuge Supplies: 156,000 acre-feet
- 1994 Bay-Delta Accord
- South-of-Delta CVP and SWP contractors agreed to dedicate, on a temporary basis, water to Delta fisheries restoration: 1,000,000 acre-feet from CVP and SWP contractors in a dry year. The Accord provided that management of CVP water under the Accord to be counted toward section 3406(b)(2) obligation. (Reduced south-of-Delta CVP and SWP contract reliability by approximately 25%)
- 1997 Decision on Implementation of CVPIA section 3506(b)(2)
- November 1997 and subsequent decisions prescribed management of section 3406(b)(2): 183,000 275,000 acre-feet. (Reduced south-of- Delta CVP contract reliability by an additional 10 15%.)
- 2000 Trinity River Record of Decision
- Prescribed new flow criteria for Trinity River: 100,000 600,000 acre-feet depending on year type (Average supply reduction for south-of-Delta CVP contractors approximate 5% (91,500 acre-feet).)
- 2007 Wanger Decision
- Prescribed additional actions to protect Delta smelt: Water cost 650,000 acre-feet

•	On Farm Job Loss						
•	2006 - 100% water supply acres not farmed			140,000			
•	2007 - 50% water supply	25% full time decrease of on farm jobs	225,000 acres not farmed				
•	2008 - 40% water supply	65% full time decrease of on farm jobs	235,000 acres not farmed				
•	2009 - 0% water supply	60,000 Employment Loss **					
•		\$1.4 Billion Income Loss **					
•	\$1.2 Billion Farm Revenue Loss **						

• ** The Economic Impacts on Agriculture of the Biological Opinion & Drought in 2009; Richard Howitt, Duncan MacEwan & Josue Medellin; UC Davis Dept of Agricultural & Resource Economics, & UC Davis Center for Watershed Sciences

- California is facing a water supply crisis.
 - 2009 Central Valley Project allocation for SOD water service contractors 10%
 - UC Davis projections based on 0% allocation 60,000 80,000 jobs and \$2.2 billion in lost income
 - 2009 State Water Project allocation for all contractors 30%
- Since 1992 water supplies for ag and urban water agencies that depend on the CVP and SWP have been reduced not by hydrology, but by regulations that have reallocated water to environmental uses and that prevent the movement of water from storage facilities to areas where the demand for water exists.
- The narrow-minded focus on the export pumps while ignoring OTHER FACTORS has, by all measures, not been of benefit to the ESA listed fish.
- Solutions
 - Bay-Delta Conservation Plan A comprehensive program to address multiple factors that affect the abundance of species in the Delta
 - New Delta conveyance facilities An isolated conveyance facility would:
 - Eliminate conflict between efforts to recover at-risk species and to supply water;
 - Restore water supplies for ag and urban agencies that depend on CVP and SWP;
 - Improve water quality; and,
 - Eliminate risk to water supply resulting from seismic risk and sea level rise.
 - Water Agencies that would benefit from facility willing to pay costs of design, environmental review, and construction.
 - New Surface Storage Five feasibility studies nearing completion.
 - Federal agencies must play an active role. Implementation of these solutions will require participation of Bureau of Reclamation, Fish and Wildlife Service, NOAA Fisheries, and Army Corp of Engineers.

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