



## Delta Vision Strategic Plan Actions Status

Thursday, April 28, 2011

### Action Status Key

- 0 No Action
- 1 Authorized
- 2 Initiated
- 3 In Progress, Early
- 4 In Progress, Late
- 5 Completed

Acronymns and Abbreviations are listed on the last page

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
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### 1-Near-Term Actions

NTA01	<b>Water Diversion Information</b>	State Board	State Board, DWR	4/6/2011
<i>Obtain needed information on water diversion and use.</i>				

1	<p>The legislation (SBX7-1) directed the State Board to establish an effective system of Delta watershed diversion data collection and public reporting by December 31, 2010. As required by the legislation, the State Board appointed Craig Wilson as the Delta Watermaster, effective August 1, 2010 and delegated authority to him on October 5, 2010. The State Board has an online reporting tool for water rights diversion reporting. SBX7-8 requires diverters to report annually now and monthly after January 1, 2012. Additional research required to identify status of State Board investigations on diversions and use and regulations development.</p> <p>The State Board has create a computer database and online information system for water rights reporting, the Electronic Water Rights Information Management System (eWRIMS). eWRIMS contains information on water right permits and licenses that have been issued by the State Water Resources Control Board and its predecessors. The eWRIMS Report Management System provides water right holders the ability to report monthly diversion and use electronically. Four types of water use reports are supported by the system: Supplemental Statements of Diversion and Use, Report of Licensee, Progress Report by Permittee, and Groundwater Extraction Notices.</p> <p>eWRIMS consists of both a tabular database and an integrated geographic information system (GIS). You can search eWRIMS data by several criteria, including the water right owner's name, watershed, stream system, and county. After you have executed a water right search, you can plot the results. The GIS will visually display the point(s) of diversion for each of the water rights that matched your search criteria. In the GIS, you can view important information about each water right that you've selected.</p>	Water Code Sections 85086(a), 85230, and 5100
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NTA02	<b>Delta Information Collection</b>	Delta Protection Commission	DWR, DFG, DPC, DSC, and Local Govts	3/31/2011
<i>Initiate collection of improved socio-economic, ecosystem, and physical structure data about the Delta to inform policy processes and project level decision making by all public agencies, local, state, and federal.</i>				
	Further research required to determine responsible agencies and data collection and management plans.			
NTA03	<b>In-stream Flow Analysis</b>	Fish and Game	DFG, USFWS, NMFS	3/31/2011
<i>Accelerate completion of in-stream flow analyses for the Delta watershed by the Department of Fish and Game.</i>				
1	Delta Reform Act directed DFG, in consultation with USFWS and NMFS, to develop and recommend to the State Board Delta flow criteria and quantifiable biological objectives for aquatic and terrestrial species of concern dependent on the Delta by November 2010. DFG completed its report "Quantifiable Biological Objectives and Flow Criteria for Aquatic and Terrestrial Species of Concern Dependent on the Delta" on November 23, 2010.			Water Code Section 85084.5
NTA04	<b>Middle River Two Barrier Project</b>	Department of Water Resources	DWR, DFG, CVRWQCB, SLC, Reclamati	3/31/2011
<i>Conduct a Middle River Corridor Two Barrier pilot project.</i>				
1	The legislation directed DFG to coordinate with the State Board, the regional water quality control boards, and the State Lands Commission and their efforts to cooperate with Reclamation to construct and implement the Two-Gates Fish Protection Demonstration Project by December 1, 2010. The legislation appropriated \$28M to DWR for the project.			Water Code Sections 85085 and 85350

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NTA05	<b>CCWD Alternate Intake Project</b>	Contra Costa Water District	CCWD	3/27/2011
<i>Complete construction of an alternative intake for the Contra Costa Water District.</i>				
5	The Alternate Intake Project is complete and was dedicated on July 20, 2010.			
NTA06	<b>Three Mile Slough Barrier</b>	Department of Water Resources	DWR, Reclamation, DFG	4/24/2011
<i>Evaluate the effectiveness of a Three Mile Slough Barrier project.</i>				
2	The legislation directed DFG to evaluate the effectiveness of the Three Mile Slough Barrier project. This project is being evaluated as part of the Franks Tract investigations. In February 2009, Reclamation published the Initial Alternatives Investigation Report on potential improvements in the North and Central Delta. The report recommends further investigation of the Three Mile Slough Barrier and the West False River Barrier. The Draft EIR on the projects is expected in Spring 2011, a Record of Decision in Spring 2012, and construction beginning in Summer 2012.			Water Code Section 85085(b)
NTA07	<b>Clifton Court Fish Screen Demonstration</b>	Department of Water Resources	DWR, DFG	4/24/2011
<i>Construct a demonstration fish protection screen at Clifton Court Forebay.</i>				
2	On October 5, 2010, MWD of So Cal, CCWD, SCVWD, ACWD, and Zone 7 submitted an application to DSC for a low-flow fish screening alternatives study funded by the applicants. The study builds on DWR's Low-flow Intake Technical Analysis Report (12/09). The DSC Early Actions Committee recommended the project for inclusion in the DSC Interim Plan. The final report is expected by late May 2011, which will be followed by an independent science review. Preliminary results indicate that there would be fish and water supply benefits from installing fish screens at Clifton Court that would operate only during low flow diversion periods (typically in the winter).			

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NTA08	<b>Near-term Ecosystem Restoration</b>	Department of Water Resources	DWR, DC, DFG	4/24/2011
<i>Advance near-term ecosystem restoration opportunities.</i>				
1	The legislation directed DFG to expeditiously move ahead with other near term actions as identified in the Strategic Plan and assist in implementing early action ecosystem restoration projects, including, but not limited to, Dutch Slough tidal marsh restoration and Meins Island tidal marsh restoration. Further research needed on status.  Meins Island restoration planning complete. Project may be revised to accommodate existing pipelines on the island. Dutch Slough planning complete. Working to determine responsibilities and funding for O&M.	Water Code Sections 85085(c) and (d)		
NTA09	<b>Emergency Response Materials</b>	Department of Water Resources	DWR	3/31/2011
<i>Stockpile rock and other emergency response materials.</i>				
3	In October, 2010, DWR informed the DSC Early Actions Committee that stockpiles of rock have been placed in the Delta. Further research required on the current status of stockpiles.	Water Code Section 83002.7		
NTA10	<b>Emergency Response Capacity Improvement</b>	Emergency Management Agency	Cal-EMA, DPC, BTH, DFG, DWR	3/31/2011
<i>Assess and improve state capacity to respond to catastrophic events in the Delta.</i>				
1	The legislation directed that the Delta Plan shall attempt to reduce risks to people, property, and state interests and that DSC may incorporate into the Delta Plan the emergency preparedness and response strategies for the Delta developed by the California Emergency Management Agency pursuant to Public Resources Code Section 12994.5 (Sacramento-San Joaquin Delta Multi-Hazard Coordination Task Force). Further research required to determine Task Force status (most recent information on DPC website is November 2009).	Water Code Section 85305(a)		

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### 2-Legal and Procedural Milestones

1.1.1	<b>Statutory Co-equal Goals</b>	Legislature	Governor and Legislature	3/27/2011
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*Write the co-equal goals into the California Constitution or into statute.*

5	Enacting legislation complete. Accurately defines the Delta Vision Strategic Plan (DVSP) objectives including coequal goals and policy objectives.	Public Resources Code Section 29702, Water Code Sections 85054, 85020, 85021, 85022(c), and 85023		
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2.1.1	<b>NHA Designation</b>	Natural Resources Agency	Resources, DPC	3/27/2011
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*Apply by 2010 for the designation of the Delta as a federally recognized National Heritage Area.*

2	The Legislature directed DPC to include in their proposed Delta protection plan to the DSC a plan for achieving state and federal special designation for the Delta.	Water Code Section 85301		
	Senator Dianne Feinstein's 2010 bill to designate the Delta as an NHA without completion of a feasibility study was dropped in December of 2010. As a result, the DPC was required to move forward with a feasibility study. In January 2011, DPC issued a timeline targeting completion of the feasibility study by December 2011. If the feasibility study shows broad community support, then Congressional approval and funding will be needed. Feinstein's bill was reintroduced on January 25, 2011. It requests funding of \$10 Million.			

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2.4.1	<b>Delta Investment Fund</b>	Legislature	Governor and Legislature	3/27/2011
<i>Initiate the Delta Investment Fund with state funding.</i>				
5	The Legislature established the Delta Investment Fund, which may receive funds from federal, state, local, and private sources. The funds must be used in accord with DSC Economic Sustainability Plan. The Legislature provided an initial allocation of \$250,000.		Public Resources Code Section 29778.5	
2.4.2	<b>Delta Investment Fund Structure</b>	Legislature	Governor and Legislature	3/27/2011
<i>Structure the Delta Investment Fund so that it can accept revenues from federal, state, local, and private sources.</i>				
5	The Legislature established the Delta Investment Fund, which may receive funds from federal, state, local, and private sources. The funds must be used in accord with DSC Economic Sustainability Plan. The Legislature provided an initial allocation of \$250,000.		Public Resources Code Section 29778.5	
2.4.3	<b>Delta Investment Fund Management</b>	Delta Protection Commission	Governor and Legislature	4/26/2011
<i>Place the Fund under the joint management of the Delta Protection Commission and a consortium of local governments.</i>				
1	The Legislature established the Delta Investment Fund, which may receive funds from federal, state, local, and private sources. The funds must be used in accord with DSC Economic Sustainability Plan. The Legislature provided an initial allocation of \$250,000. The Fund is subject to appropriation by the Legislature to the DPC. The restructuring of the DPC incorporates local government into the management of the Delta Investment Fund.		Public Resources Code Section 29778.5	

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3.1.2	<b>Tidal Habitat Restoration</b>	Fish and Game	DFG, DC, DWR	3/28/2011
<i>Restore tidal habitats and protect adjacent grasslands and farmlands throughout the Delta, with active near-term pursuit of restoration targets.</i>				
1	<p>DFG is charged to "assist in implementing early action ecosystem restoration projects, including, but not limited to, Dutch Slough tidal marsh restoration and Meins Island tidal marsh restoration."</p> <p>DFG issued final ERP Conservation Strategy for the Delta on July 21, 2010.</p> <p>DWR issued Final Habitat Expansion Plan (HEP) February 3, 2011; implementation of habitat expansion action(s) will begin in 2011.</p> <p>Delta Conservancy (DC) issued Interim Strategic Plan February 3, 2011.</p>	Water Code Sections 85085(c) and (d)		
3.2.2	<b>Fish Migration Flows</b>	State Board	State Board, DWR, Reclamation	3/31/2011
<i>Provide adequate flows at the right times to support fish migrations, and reduce conflicts between conveyance and migration, by 2012.</i>				
2	<p>State Board mandated actions completed. Need further research on action by other agencies. State Board had 9 months to set new flow criteria according to 85086(c)(1). On August 3, 2010, the State Board adopted Resolution 2010-0039 approving the final report on new flow criteria for the Delta ecosystem. On August 25, 2010 the State Board submitted the final flow criteria report to the Delta Stewardship Council.</p> <p>Per statutory requirements, in December 2010 the SWRCB submitted to the legislature a prioritized schedule and estimate of costs to complete instream flow studies for the Delta and for high priority rivers and streams in the Delta watershed and Sacramento River watershed by 2018.</p>	Water Code Sections 85084.5 and 85086		



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3.4.1	<b><i>Instream Flows</i></b>	Fish and Game	Governor and Legislature, DFG	3/31/2011
<i>Charge the Department of Fish and Game with completing recommendations for in-stream flows for the Delta and high priority rivers and streams in the Delta watershed by 2012 and for all major rivers and streams by 2018.</i>				
1	<p>Per legislative mandate, DFG submitted final “Quantifiable Biological Objectives and Flow Criteria for Aquatic and Terrestrial Species of Concern Dependent on the Delta” to SWRCB on November 23, 2010. A draft version had been released in September 2010.</p> <p>As a result of the settlement in California Coastkeeper Alliance v. McCamman, (Super. Ct. Sacramento County, 2007, No. 07-CS-01353, Notice of Final Settlement and Dismissal, May 30, 2008), DFG instituted its “Instream Flow Program” website in 2010 (<a href="http://www.dfg.ca.gov/water/instream_flow_docs.html">http://www.dfg.ca.gov/water/instream_flow_docs.html</a>). DFG continues to seek funding through grant programs and other efforts for implementation of the Instream Flow Program per the “DFG Instream Flow Program Annual Report 2010” released February 9, 2010.</p> <p>DFG’s first in-stream flow study, “Minimum Instream Flow Recommendations: Butte Creek, Butte County” was transmitted to the SWRCB in May 2009. DFG anticipates transmitting flow recommendations for the McCloud River in 2011.</p>	Water Code Sections 85084.5 and 85087		

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3.4.2      **Wet Period Diversions**      State Board      State Board, DFG, DWR, Fed. Agencies      3/31/2011

*Develop and adopt management policies supporting increased diversion during wet periods, a joint effort of the State Water Resources Control Board, the Department of Fish and Game, the Department of Water Resources, and related federal agencies, by 2012*

2	<p>Legislation enacted. State Board flow report issued. On August 3, 2010, SWRCB adopted Resolution 2010-0039 approving the final report "Development of Flow Criteria for the Sacramento-San Joaquin Delta Ecosystem Prepared Pursuant to the Sacramento-San Joaquin Delta Reform Act of 2009." DFG, USFWS, NMFS reviewed the report. It contains the Action 3.4.2 recommendations on increased diversion during wet periods. On August 25, 2010 the SWRCB submitted the final flow criteria report to DSC.</p> <p>Note 1: The above report will be used by the SWRCB in its on-going and subsequent proceedings, including the review and development of flow objectives in the San Joaquin River, the currently-underway update to the 2006 Bay-Delta Plan, and the associated water rights proceedings to implement the Bay-Delta Plan updates. The SWRCB's adoption of draft changes to the Bay-Delta Plan and Water Right decision/order is scheduled for the end of the fourth quarter of 2011.</p> <p>Note 2: On March 15, 2011, the Delta Watermaster recommended that both the SWRCB's Water Quality Control Plan for the San Francisco-San Joaquin Delta Estuary and Strategic Workplan for Activities in the San Francisco-San Joaquin Delta Estuary be incorporated into the Delta Stewardship Council's Delta Plan.</p>	Water Code Section 85086(c)(1)
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3.4.3      **Delta Outflow**      State Board      State Board      3/31/2011

*Adopt new State Water Resources Control Board requirements by 2012 to increase spring Delta outflow. Commence implementation no later than 2015.*

2	<p>Legislation enacted. State Board flow report issued. On August 3, 2010, SWRCB adopted Resolution 2010-0039 approving the final report "Development of Flow Criteria for the Sacramento-San Joaquin Delta Ecosystem Prepared Pursuant to the Sacramento-San Joaquin Delta Reform Act of 2009." DFG, USFWS, NMFS reviewed the report. It includes the Action 3.4.3 recommendation on increased spring outflow. On August 25, 2010 the SWRCB submitted the final flow criteria report to DSC. In addition, see Action 3.4.2, notes 1 and 2.</p>	Water Code Section 85086(c)(1)
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3.4.5	<b>San Joaquin River Flow Objectives</b>	State Board	State Board	3/31/2011
<i>Increase San Joaquin River flows between February and June by revising the State Water Resources Control Board's Vernalis flow objectives and the state and federal water projects' export criteria. Revise the flow objectives and criteria no later than 2012</i>				
2	Legislation enacted. State Board flow report issued. On August 3, 2010, SWRCB adopted Resolution 2010-0039 approving the final report "Development of Flow Criteria for the Sacramento-San Joaquin Delta Ecosystem Prepared Pursuant to the Sacramento-San Joaquin Delta Reform Act of 2009." DFG, USFWS, NMFS reviewed the report. It includes the Action 3.4.5 recommendations on increased spring flows. On August 25, 2010 the SWRCB submitted the final flow criteria report to DSC. In addition, see Action 3.4.2.	Water Code Section 85086(c)(1)		

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3.5.1a	<b>Wastewater Discharges</b>	Central Valley Regional Water Quality Control Board	CVRWQCB	4/24/2011
	<i>Require the Central Valley Regional Water Quality Control Board to immediately re-evaluate wastewater treatment plant discharges into Delta waterways and upstream rivers and set discharge requirements at levels that are fully protective of human health and ecosystem needs.</i>			
2	<p>The CVRWQCB has taken positive administrative action. The CVRWQCB issued a new NPDES permit on December 9, 2010 to the Sacramento Regional WWTP. The Sacramento Regional WWTP is the largest wastewater discharger in the Delta, discharging 14 tons of ammonia/ammonium per day. The new permit imposes new ammonia effluent limits and requires tertiary treatment and nitrogen removal (Sacramento County Regional Sanitation District, Regional Wastewater Treatment Plant, NPDES Permit Order No. R5-2010-0014).</p> <p>The second largest POTW discharging treated sewage into the Delta is the Stockton Regional Wastewater Control Facility (WWCF). The Stockton Regional WWCF was upgraded over the last decade to include treatment processes for ammonia. The upgraded facility is significantly reducing ammonia in the treated effluent (per the U.S. EPA Unabridged Advance Notice of Proposed Rulemaking: Water Quality Challenges in the San Francisco Bay/Sacramento-San Joaquin Delta. February, 2011, pages 27-29).</p> <p>1. On March 11, 2011 the Aquatic Science Center (under a Joint Powers Authority of the SWRCB and CVRWQCB and the Bay Area Clean Water Agencies) issued "The Pulse Of The Delta 2011: Monitoring And Managing Water Quality In The Sacramento–San Joaquin Delta. Re-Thinking Water Quality Monitoring." Intended to be the first in an annual series supporting the goals of the Delta Regional Monitoring Program and highlighting water quality issues within the Delta including wastewater treatment plant discharges.</p> <p>2. Per Executive Officer’s Report of April 7-8, 2011:</p> <p>A. The Delta Regional Monitoring Program (RMP) Planning team continues to work with the State Board staff and stakeholders to discuss the use of Delta dischargers as a pilot for coordinating and improving the use of CEDEN (California Environmental Data Exchange Network) for data, potentially using CIWQS (California Integrated Water Quality System) as a conduit for information as warranted.</p> <p>B. Internal discussion to coordinate data submittal, storage, and availability amongst programs continues.</p> <p>C. Next steps for the RMP will focus on developing an overall framework, including monitoring objectives.</p> <p>Further research required to determine additional CVRWQCB plans and actions.</p>			

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3.5.1b	<b><i>Irrigated Agricultural Lands Discharges</i></b>	Central Valley Regional Water Quality Control Board	CVWRCB	4/24/2011
<i>Require the Central Valley Regional Water Quality Control Board to adopt by 2010 a long-term program to regulate discharges from irrigated agricultural lands.</i>				

3	<p>CVRWQCB has proposed a long-term program to regulate irrigated lands. The CVRWQCB released a draft programmatic Environmental Impact Report (PEIR) for a proposed long-term Irrigated Lands Regulatory Program (ILRP) in July 2010. The final PEIR and CVRWQCB action are planned for 2011.</p> <p>Per Executive Officer's Report of February 3, 2011, staff is currently working on modifications to the Draft PEIR and recommended ILRP in response to comments received. The next major milestone of the project, circulation of a Final EIR and recommended long-term ILRP in March 2011 has been delayed. Board orders to implement the long-term ILRP are proposed to be developed for Board consideration during the year following Board certification of the PEIR.</p>		
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3.5.1c	<b>Urban Runoff</b>	Central Valley Regional Water Quality Control Board	CVRWQCB	4/24/2011
<i>Require the Central Valley Regional Water Quality Control Board to review by 2012 the impacts of urban runoff on Delta water quality and adopt a plan to reduce or eliminate those impacts.</i>				
0	<p>The CVRWQCB operates under the California Nonpoint Source Pollution Control Program. This program was fully approved by the U.S. EPA in 2000 under Section 319 of the Clean Water Act and Section 6217 of the Coastal Zone Reauthorization Amendments of 1990 (CZARA). Statewide, the program continues to receive at least \$10 million from EPA annually. The EPA characterized the Program as an “effective and dynamic” program as recently as February 2011 (U.S. EPA Unabridged Advance Notice of Proposed Rulemaking: Water Quality Challenges in the San Francisco Bay/Sacramento-San Joaquin Delta. February, 2011, page 17).</p> <p>Other related information: Per Executive Officer’s Report of February 3, 2011:</p> <p>A. On July 29, 2010 the Central Water Board adopted Resolution No. R5-2010-0079 directing staff to establish a drinking water policy for the Sacramento-San Joaquin Delta and Upstream Tributaries.</p> <p>B. Funding from a Proposition 50 grant was reinstated following the Resolution and staff has been meeting bi-weekly with the Central Valley Drinking Water Policy Workgroup to complete the grant scope-of-work before the grant expires on March 31, 2011.</p> <p>C. The grant focuses on evaluation of three major sources of drinking water constituents of concern; agriculture, urban runoff and wastewater and will fund modeling efforts to identify relative contributions from each of the three sources and assess potential load reductions at drinking water intake facilities.</p> <p>D. This work will help inform the process of developing the Central Valley Drinking Water Policy. Staff will complete an outline, work plan, and funding proposal for the Policy by July 29, 2011 and bring a final Policy to the Board by July 29, 2013.</p>			

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4.1.2	<b>Urban Water Demand</b>	Department of Water Resources	DWR, CUWCC, Others	3/31/2011
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*Reduce urban per-capita water demand through specific recommended actions.*

2	<p>The Legislature enacted SBX7-7 to establish methods for urban retail water suppliers to determine targets for achieving increased water use efficiency by the year 2020, in accordance with the overall goal of a 20-percent reduction.</p> <p>In February 2011, DWR published "Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use." DWR has also published "Guidebook to Assist Urban Water Suppliers to Prepare a 2010 Urban Water Management Plan" incorporating the requirements of SBX7-7 (March 2011).</p>	Water Code Section 10608
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5.1.1	<b>Dual Conveyance Feasibility</b>	Natural Resources Agency	Governor and Legislature, Resources,	4/27/2011
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*Direct the Department of Water Resources and other allied agencies to further investigate the feasibility of a dual conveyance facility, building upon the Bay-Delta Conservation Plan effort.*

1	<p>The Legislature directed that the BDCP should review and analyze a “reasonable range of Delta conveyance alternatives”, including “through-Delta, dual conveyance, and isolated conveyance alternatives and including further capacity and design options of a lined canal, an unlined canal, and pipelines.” The legislation further directs that the Delta Plan promote options for new and improved infrastructure relating to the water conveyance in the Delta, storage systems, and for the operation of both to achieve the coequal goals.</p> <p>The BDCP Working Draft (November 2010) describes construction and operation of a north of Delta diversion up to 15,000 cubic feet per second (cfs) to be operated in conjunction with and preferentially to south Delta diversion facilities, except at times necessary to meet fish conservation goals.</p> <p>The Natural Resources Agency is establishing working groups to evaluate critical operational issues associated with alternate conveyance facilities. The draft environmental review is planned for 2012.</p>	Water Code Sections 85020(f), 85304, and 85320(b)(2)(B)
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5.1.2	<b>Storage and Conveyance Recommendations</b> Legislature	Governor and Legislature, Resources,	3/31/2011
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*Direct the Department of Water Resources, the Department of Fish and Game, and other allied agencies to recommend the size and location of new storage and conveyance facilities by the end of 2010. Develop a long-term action plan to guide design, construction, and operation, and present the recommendation and plan to the California Delta Ecosystem and Water Council for a consistency determination.*

0	<p>The Legislature specified the evaluation and compliance requirements for conveyance alternatives in the BDCP process. The legislation provides general statements regarding the importance of storage for improving water supply reliability, but there is no additional direction to DWR. The proposed water bond would provide funding for the public benefits associated with storage and conveyance.</p> <p>In November 2010, DWR published a progress report on the CALFED storage investigations. That report notes that the four storage projects discussed could produce a long-term average increase in annual yield of approximately 800,000 acre-feet. The planning schedule included in the report estimated that storage studies would continue through 2013, with Federal and State decisions occurring in 2014.</p>	
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6.1.1	<b>Delta Emergency Response Plan</b> Emergency Management Agency	Cal-EMA, DPC, DWR, and Local Govern	4/26/2011
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*Complete a Delta-wide regional emergency response plan by 2010 that establishes legally binding regional coordination.*

1	<p>Water Code Section 12994.5 established a task force, led by Cal-EMA, to develop a draft emergency preparedness and response strategy for the Delta by January 1, 2011. The task force included DPC, DWR, and a representative of each of the 5 Delta counties. The task force was also directed to conduct emergency preparedness exercises in the Delta region.</p> <p>Cal-EMA conducted a daylong workshop to draft preliminary recommendations on October 14, 2010. Per Cal EMA's briefing to the Delta Stewardship Council of November 18, 2010, Cal-EMA has no funding to begin operations.</p> <p>Consistent with the legislation, Section 12994.5 sunset on January 1, 2011. Further research required to determine if recommendations were provided to the Governor and the Legislature as required by January 1, 2011.</p>	Water Code Section 12994.5 and Water Code Section 85305
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6.1.2	<b>Emergency Management Actions</b>	Emergency Management Agency	Cal-EMA, DPC, DWR, and Local Govern	3/27/2011
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*Immediately begin a comprehensive series of emergency management and preparation actions.*

1	<p>Water Code Section 12994.5 established a task force, led by Cal-EMA, to develop a draft emergency preparedness and response strategy for the Delta by January 1, 2011. The task force included DPC, DWR, and a representative of each of the 5 Delta counties. The task force was also directed to conduct emergency preparedness exercises in the Delta region.</p> <p>Cal-EMA conducted a daylong workshop to draft preliminary recommendations on October 14, 2010. Per Cal EMA's briefing to the Delta Stewardship Council of November 18, 2010, Cal-EMA has no funding to begin operations.</p> <p>Consistent with the legislation, Section 12994.5 sunset on January 1, 2011. Further research required to determine if recommendations were provided to the Governor and the Legislature as required by January 1, 2011.</p>	Water Code Sections 12994.5 and 85305
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7.1.1	<b>Delta Stewardship Council</b>	Legislature	Governor and Legislature	3/27/2011
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*Establish a California Delta Ecosystem and Water Council to replace the Bay-Delta Authority and take over CALFED programs.*

5	<p>DSC has been established as an independent state agency with proposed 2011-2012 budget of \$43,972,000. Per the First Staff Draft of the Delta Plan, the fundamental purpose of the DSC's "legally enforceable management plan" is to achieve the coequal goals and to "...develop, adopt, and commence implementation of the Delta Plan by January 1, 2012."</p>	Water Code Sections 85300 and 85057.5
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7.1.2	<b>Delta Conservancy</b>	Legislature	Governor and Legislature	3/27/2011
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*Establish a California Delta Conservancy as early as possible in the 2009 legislative session.*

5	<p>Currently a crucial lack of funding exists for 2011-2012.</p> <p>The Delta Conservancy was established to act as a primary state agency to implement ecosystem restoration in the Delta. Executive Officer, Campbell Ingram, selected in March. Strategic Plan due within 2 years.</p> <p>All DVSP recommendations met except: the Chair is elected by members, not appointed by the Governor as recommended. On February 17, 2011 Cindy Messer, Delta Conservancy Interim Executive Officer, reported to DC Board that no funding is available for fiscal year 2011-12 for strategic plan implementation, rent, and student services and that funding is uncertain for future years.</p>	Public Resources Code Sections 32320 and 32322
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7.1.3	<b>Delta Protection Commission</b>	Legislature	Governor and Legislature	3/27/2011
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*Strengthen the Delta Protection Commission through legislation.*

5	<p>The Legislature made the following changes to the DPC's governance and authority:</p> <ul style="list-style-type: none"> <li>- Directed the DPC to prepare and submit to the Legislature recommendations regarding the potential expansion of, or change to, the Primary Zone or the Delta.</li> <li>- Tasked the DPC with issuing recommendations to the Stewardship Council on "methods of preserving the Delta."</li> <li>- Reduced the terms of office of DPC members from 4 years to 2 years.</li> <li>- Reduced Commission size from 23 members to 15 members.</li> <li>- Instructed the Commission to develop an economic sustainability plan for the Delta.</li> <li>- Gave the Commission authority to facilitate implementation of joint habitat restoration and enhancement plans.</li> </ul>	Public Resources Code Sections 29735
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## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
7.2.1	<b>Delta Plan</b>	Delta Stewardship Council	Governor and Legislature, DSC	4/26/2011
<i>Develop a legally enforceable California Delta Ecosystem and Water Plan.</i>				
2	Legislature required DSC to develop a Delta Plan.	Water Code Section 85300		
	DSC issued Third Staff Draft Delta Plan on April 22, 2011. Four more drafts are calendared, with final document for approval in November 2011.			
7.4.2	<b>Coastal Zone Management Act Consistency</b>	Delta Stewardship Council	DSC	3/27/2011
<i>Prepare the California Delta Ecosystem and Water Plan according to guidelines of the Coastal Zone Management Act, in order to achieve ongoing federal consistency.</i>				
2	DSC is mandated to craft the Delta Plan consistent with the federal Coastal Zone Management Act of 1972 (16 U.S.C. Sec. 1451 et 9 seq.), and submit the Plan for approval to the United States Secretary of Commerce. DSC will seek CZMA approval per first staff draft of the Delta Plan.	Water Code Sections 85300(d)(1) and 85082		
	Under Water Code Section 85082, DSC is also required to seek "active engagement" of federal agencies re CZMA.			

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		

### 3-Recommended Actions

1.1.2	<b>Administrative Co-Equal Goals</b>	Governor	Governor and Legislature	3/28/2011
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*Incorporate the co-equal goals into the mandated duties and responsibilities of all state agencies with significant involvement in the Delta.*

1	At this stage, it is difficult to evaluate the degree to which the administration and executive leadership have directed state agencies to incorporate the co-equal goals. Interviews with primary responsible agencies will identify the mechanisms for and extent of implementation.	
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1.1.3	<b>Funding Co-Equal Goals</b>	Legislature	Governor and Legislature, Resources,	3/28/2011
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*Require the achievement or advancement of the co-equal goals in all water, environmental, and other bonds, and operational agreements and water contracts or water rights permits that directly or indirectly fund activities in the Delta.*

1	The proposed water bond (SBX7-2) funds both ecosystem restoration and water supply reliability activities. Bond measure scheduled for November 2012 ballot. Further research required to determine inclusion of co-equal goals in operating agreements, water contracts, and water rights permits.	Division 26.7, Section 79700
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## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
2.1.2	<b>Delta Recreation Area</b>	Natural Resources Agency	Resources, DPR	3/31/2011
<i>Expand by 2010 the State Recreation Area network in the Delta, combining existing and newly designated areas.</i>				
2	<p>In 2009, DPR published the Central Valley Vision Implementation Plan (<a href="http://www.parks.ca.gov/?page_id=23483">http://www.parks.ca.gov/?page_id=23483</a>) for parks and recreation, including the Delta. The plan included the following initiatives summary: "To meet growing demand, existing units will be improved and the Delta's 'sense of place' enhanced. Initiatives, which are consistent with the Governor's Delta Vision Committee recommendations, are: Develop 320-340 campsites, about 175 picnic sites and 700-750 acres of land; restore about 500 acres of wildlife habitat." Specific parks and locations are summarized in the plan.</p> <p>The Legislature directed DPR to prepare a proposal for submission to the commission, to expand within the Delta the network of state recreation areas, combining existing and newly designated areas, including any plans or concepts included in the Central Valley Vision Implementation Plan.</p>		Water Code Section 85301(c)(1)	
2.2.1	<b>Delta Agriculture Support</b>	Food and Agriculture	CDFA, DPC, DC, USDA	3/28/2011
<i>Establish special Delta designations within existing federal and state agricultural support programs.</i>				
	Additional research required.			
2.2.2	<b>Agricultural Sustainability Research</b>	Food and Agriculture	CDFA, DPC, USDA	3/28/2011
<i>Conduct needed research and development for agricultural sustainability in the Delta.</i>				
1	Water Code Section 85301(c)(2) directs CDFA to prepare Delta agriculture enhancement proposal. Further research required to determine CDFA activities.		Water Code Section 85301(c)(2)	

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
2.2.3	<b>Delta Agricultural Markets</b>	Food and Agriculture	CDFA, DPC, USDA	3/28/2011
<i>Establish new markets for innovative agricultural products and enterprises in the Delta.</i>				
	Water Code Section 85301(c)(2) directs CDFA to prepare Delta agriculture enhancement proposal. Further research required to determine CDFA activities.			Water Code Section 85301(c)(2)

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
2.3.1	<b>Delta Economic Development Plan</b>	Delta Protection Commission	Governor and Legislature, DPC, Local C	4/26/2011
<i>Charge the Delta Protection Commission with facilitating a consortium of local governments to create a regional economic development plan that addresses agriculture, recreation, tourism, and other innovative land uses.</i>				
2	<p>The Legislature required the DPC to prepare and adopt an Economic Sustainability Study for the Delta. The DSC shall review the plan for consistency with the Delta Plan and may adopt the recommendations. The DPC has initiated the Economic Sustainability Plan (ESP) for the Delta.</p> <p>Phase I – Framework Study. Developed through stakeholder input, the Framework Study includes the following key components: key drivers, and the identification of industries and assets that further affect the Delta economy. The results of Phase I can be found in the ESP Framework Study Report Volume I &amp; Volume II (<a href="http://www.delta.ca.gov">www.delta.ca.gov</a>). Complete December 6, 2010.</p> <p>Phase II – Developing the ESP. This phase will include defining a baseline of economic values for Delta activities (agriculture, recreation, tourism, commercial). Additionally, alternative planning scenarios to sustain legacy towns, evaluation of impacts (positive and negative) of the various programs being discussed to obtain the co-equal goals, and evaluation of projected risks (sea level rise, seismic risk) to the Delta will be studied as to the impacts on the economic sustainability of the Delta. This will then become the basis for developing an ESP for the Delta.</p> <p>The second phase is being completed by a team of consultants headed by the University of the Pacific, in conjunction with the University of California Berkeley. Input is also being received from the California Department of Parks and Recreation and California Department of Food and Agriculture.</p> <p>The schedule anticipates the final plan will be submitted to DSC in September 2011. Key milestones:                      5/20/11 Working Papers: (1) Review of Key Delta Policy Studies; (2) Delta Public Safety &amp; Infrastructure Plan; (3) Delta Legacy Community Action Plans; (4) Delta Skills Development Strategy; (5) Delta Agriculture Plan; (6) Delta Recreation &amp; Tourism Plan; and (7) Other Economic Sectors Plan.                      6/3/11 Key Stakeholders Outreach Report.                      6/17/11 Administrative Draft Economic Sustainability Plan.                      7/1/11 Public Draft Economic Sustainability Plan.                      7/29/11 Revised Legacy Community Action Plans.                      8/12/11 General Public Outreach Report.                      9/2/11 Final Economic Sustainability Report, Final Outreach Summary Report.</p>	Public Resources Code Section 29759		

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
2.3.2	<b>Delta Enterprise Zones</b>	Office of Planning and Research	OPR, Local Governments, Legislature	3/28/2011
	<i>Establish special enterprise zones at the major "gateways" to the Delta as part of the economic development plan.</i>			
	On Monday, January 10, 2011, Governor Brown proposed the elimination of Enterprise Zone tax incentives and similar tax incentives for specific areas. Additional research required.			
3.1.1	<b>Floodplain Inundation</b>	Fish and Game	DFG, DC, DWR	4/7/2011
	<i>Increase the frequency of floodplain inundation and establish new floodplains.</i>			
	Yolo Bypass - The BDCP Program proposed an eastside bypass floodplain project. In August 2010, the Yolo Basin Foundation proposed a west side alternative developed by local stakeholders.			
	Further research required to determine status of these proposals and floodplain activities in the Mokelumne and San Joaquin rivers and upstream.			
3.2.1	<b>Habitat Corridors</b>	Fish and Game	DFG, DC, DWR	4/24/2011
	<i>Improve physical habitats along selected corridors by 2015.</i>			
1	Habitat corridor improvements expected to be implemented through DFG's Ecosystem Restoration Program (ERP), DWR's Floodsafe Environmental Stewardship Program, and the Delta Conservancy Strategic Plan. Further research required to determine the current status of planning, coordination, and implementation.			



## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
3.2.3	<b>Flood Conveyance Capacity Expansion</b>	Department of Water Resources	DWR	4/7/2011
<i>Immediately use the Central Valley Flood Protection Plan to identify areas of the San Joaquin River within and upstream of the Delta where flood conveyance capacity can be expanded.</i>				
1	According to the CVFPP Progress Report (January 2011), place-based flood management actions will be developed in the next phase, underway now. Further research required on the status of the CVFPP.  Water Code Section 85306 requires DSC, in consultation with CVFPB to recommend in the Delta Plan priorities for state investments in levee operation, maintenance, and improvements in the Delta, including both levees that are a part of the State Plan of Flood Control and nonproject levees.	Water Code Section 85306		
3.2.4	<b>Delta Recreational Investment</b>	Delta Protection Commission	DPC, Local Governments, DC, DPR	4/7/2011
<i>Using the National Heritage Area and regional economic development planning efforts, begin immediately to identify ways to encourage recreational investment along the key river corridors.</i>				
1	NHA designation and Economic Sustainability Plan are in progress.			
3.3.1	<b>Fish Entrapment</b>	Department of Water Resources	DWR, Reclamation, Others?	4/24/2011
<i>Reduce fish kills in Delta pumps by instituting diversion management measures by 2009, implementing near-term conveyance improvements by 2015, and relocating diversions.</i>				
1	The courts have implemented revised requirements for SWP and CVP diversions. Further research is required to determine DWR plans for near-term conveyance improvements.			

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
3.3.2	<b><i>Invasive Species</i></b>	Fish and Game	DFG, DWR, State Board	4/24/2011
<i>Control harmful invasive species at existing locations by 2012, and minimize or preclude new introductions and colonization of new restoration areas to non-significant levels.</i>				
1	<p>DFG published its Aquatic Invasive Species Management Plan in January 2008, which focused on threats from more than 300 invasive species. The plan identified 163 actions, including five top priority actions:</p> <ol style="list-style-type: none"> <li>1. Formalize the creation of two major new coordinating entities, one entirely for state agencies and one for a broader range of AIS interests (Action 1A2 and 1A3).</li> <li>2. Formalize a process for the team of state AIS managers to share information with and get input from agency executives (Action 1A1).</li> <li>3. Secure funding for state AIS staff (Action 1C3).</li> <li>4. Conduct a statewide assessment of the risk from four specific AIS vectors: commercial fishing, recreational boating, live bait, and live imported seafood (Actions 2B7, 2C1, 2D1, and 2D4).</li> <li>5. Fund and launch early detection and rapid response actions, including efforts to coordinate various AIS monitoring programs and expand monitoring of freshwater systems (Strategies 3A and 4A, and Appendix A).</li> </ol> <p>Further research required to determine the status of actions specifically related to the Delta.</p>			
3.4.4	<b><i>Fall Delta Outflow</i></b>	State Board	State Board	3/31/2011
<i>Adopt new State Water Resources Control Board requirements by 2012 to reintroduce fall outflow variability no later than 2015.</i>				
2	<p>Legislation enacted. State Board flow report issued. On August 3, 2010, SWRCB adopted Resolution 2010-0039 approving the final report "Development of Flow Criteria for the Sacramento-San Joaquin Delta Ecosystem Prepared Pursuant to the Sacramento-San Joaquin Delta Reform Act of 2009." DFG, USFWS, NMFS reviewed the report. It includes the Action 3.4.4 recommendation on fall outflow variability. On August 25, 2010 the SWRCB submitted the final flow criteria report to DSC. In addition, see Action 3.4.2, notes 1 and 2.</p>	Water Code Section 85086(c)(1)		

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
3.4.6	<b>San Joaquin Fall Pulse Flows</b> <i>Provide short-duration San Joaquin River pulse flows in the fall starting by 2015.</i>	State Board	State Board	3/31/2011
2	Legislation enacted. State Board flow report issued. On August 3, 2010, SWRCB adopted Resolution 2010-0039 approving the final report "Development of Flow Criteria for the Sacramento-San Joaquin Delta Ecosystem Prepared Pursuant to the Sacramento-San Joaquin Delta Reform Act of 2009." DFG, USFWS, NMFS reviewed the report. It includes the 3.4.6 recommendations on short duration pulse flows. On August 25, 2010 the SWRCB submitted the final flow criteria report to DSC. See action 3.4.2.	Water Code Section 85086(c)(1)		
3.4.7	<b>Delta Waterway Geometry</b> <i>Reconfigure Delta waterway geometry by 2015 to increase variability in estuarine circulation patterns.</i>	Fish and Game	DFG, DWR	4/24/2011
1	Water Code Section 85302(e): "The following subgoals and strategies for restoring a healthy ecosystem shall be included in the Delta Plan... (4) Restore Delta flows and channels to support a healthy estuary and other ecosystems."  According to the Delta Plan Ecosystem Restoration Policy 5 (4/22/11 draft): "New or amended local or regional land use plans shall not substantially reduce opportunities for ecosystem restoration, habitat creation, channel modification for ecosystem benefit, or increased connectivity between water and land; or direct such uses away from their most effective locations as identified in the maps, legends and accompanying text of Figures 4 and 5 of the Draft Ecosystem Restoration Program's Conservation Strategy for Stage 2 Implementation for the Sacramento-San Joaquin Delta Ecological Management Zone (California Department of Fish and Game 2010)."  DFG issued final ERP Conservation Strategy for the Delta on July 21, 2010. The proposed Stage 2 Actions for Channel Geometry include: Action 1: Conduct further Delta Cross Channel operational studies Action 2: Conduct further experiments with salinity control gates in Suisun Marsh. Action 3: Study Two-Gates and the effectiveness of barges as barriers. Action 4: Study bubble curtain effectiveness as barriers, and their effects on other species.	Water Code Section 85302€		

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
3.5.2	<b>Drinking Water Intake Relocation</b>	Department of Water Resources	DWR and local water agencies	4/24/2011
<i>Relocate as many Delta drinking water intakes as feasible away from sensitive habitats and to channels where water quality is higher.</i>				
2	<p>Contra Costa Water District - CCWD completed its Alternate Intak Project in July 2010 (Near-term Action #5).</p> <p>City of Stockton - The City of Stockton's Delta Water Project is approved and under construction. The project will initially divert and treat 30 million gallons per day (mgd) from the San Joaquin River on Empire Tract. At full capacity (2050), the plant can treat 160 mgd.</p> <p>North Bay Aqueduct - DWR has proposed to implement the North Bay Aqueduct Alternate Intake Project (NBA AIP) to improve water quality and to provide reliable deliveries of State Water Project (SWP) supplies to its contractors, the Solano County Water Agency (SCWA) and the Napa County Flood Control and Water Conservation District (Napa County FC&amp;WCD). Public Scoping for the EIR was completed in January 2010. The Draft EIR is expected in late 2011.</p> <p>Further research required to determine if other intake relocations are planned.</p>			
3.5.3	<b>Mercury TMDL Programs</b>	Central Valley Regional Water Quality Control Board	CVRWQCB	4/24/2011
<i>Establish Total Maximum Daily Load programs by 2012 for upstream areas to reduce organic and inorganic mercury entering the Delta from tributary watersheds.</i>				
2	<p>The Delta Methylmercury TMDL Stakeholder Group published a working draft Adaptive Management Plan for Implementing the Delta Methylmercury Control Program on June 22, 2010. Other Mercury TMDLs underway in the American River, Cache Creek, Bear Creek, Sulphur Creek, and Harley Gulch. Further research required to determine current status of Mercury TMDL activities.</p> <p>The State Water Board is accepting written comments on its proposed approval of April 22, 2010 amendments to the Water Quality Control Plan for the Sacramento River and San Joaquin River Basins to include a TMDL program for the control of methylmercury and total mercury in the Sacramento-San Joaquin Delta Estuary. Comments are due by May 23, 2011 by noon. No comments received to date.</p>			

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
3.5.4	<b>Comprehensive Delta Monitoring</b> <i>Begin comprehensive monitoring of water quality and Delta fish and wildlife health in 2009.</i>	Delta Stewardship Council	ISB, IEP, State Board, CVRWQCB, USGS	4/24/2011
	Numerous agencies and programs are collecting data related to water quality and Delta fish and wildlife health, including the State Board, CVRWQCB, DWR, IEP, and DFG. Further research with these agencies and the ISB is required to determine the degree to which comprehensive, coordinated monitoring programs are in effect and where the gaps are.			
4.1.1	<b>Statewide Water Use Efficiency</b> <i>Improve statewide water use efficiency and conservation.</i>	Department of Water Resources	DWR, State Board, CUWCC, AWMC, O	3/31/2011
1	The Legislature enacted SBX7-7, which addresses urban and agricultural water use efficiency and conservation. SBX7-1 requires that the Delta Plan promote statewide water conservation, water use efficiency, and sustainable use of water.			Water Code Sections 10608, 85303
4.1.3	<b>Agricultural Water Efficiency</b> <i>Ensure the most efficient use of water in agriculture.</i>	Department of Water Resources	DWR, AWMC, CDFA, Reclamation, USI	

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		

4.2.1	<b>Water Recycling</b>	Legislature	Governor and Legislature	
<i>Modify the Water Recycling Act of 1991 to add a statewide target to recycle on the order of 1.5 million acre-feet of water annually by 2020.</i>				


4.2.2	<b>Desalination</b>	Legislature	Governor and Legislature	
<i>Enact legislation now to encourage local water agencies to at least triple the current statewide capacity for generating new water supplies through ocean and brackish water desalination by 2020.</i>				


## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		

4.2.3 **Urban Stormwater Goals** Legislature Governor and Legislature, State Board 4/26/2011

*Request that the State Water Resources Control Board set goals by 2015 for infiltration and direct use of urban storm water runoff throughout the Delta watershed and its export areas.*

<<Legislative action?>>	<p>On March 16, 2011 the State Board’s “Status of Water Boards' Strategic Priority Actions” list identified the following actions among their highest priority for timely completion and committed to direct the resources needed to ensure completion of these priorities by the end of 2012.</p> <p>SWB Action Item 3 is the statewide Phase II Small Municipal Separate Storm Sewer System (MS4) General Permit. The MS4 General Permit, which currently covers more than 250 entities in California, expired in May 2008. State Water Board staff is developing a second five-year term period through collaborative process involving key stakeholders, including the California Stormwater Quality Association (CASQA).</p> <p>SWB Action Item 4 is the Stormwater Industrial General Permit Reissuance. The statewide General Permit for Discharges of Stormwater Associated with Industrial Activities (commonly referred to as the Industrial General Permit, or IGP), was last reissued in 1997. It is due to be reissued using the approach and principles (including numeric limits) adopted in the 2009 General Construction Permit (GCP).</p> <p>SWB Action Item 5 is the Caltrans MS4 Permit. Stormwater discharges from the California Department of Transportation (Caltrans) Municipal Separate Storm Sewer system (MS4) are regulated under an individual NPDES permit. The updated draft permit contains many new and revised requirements, which include: requirements for hydrograph modification; post-construction treatment controls; monitoring and reporting (significantly upgraded to transition from a program of characterization monitoring to compliance monitoring); sustainability/low impact development; effectiveness assessment; and detailed implementation requirements for more than 50 Total Maximum Daily Loads (TMDLs) for which Caltrans has been assigned a Waste Load Allocation (the first statewide permit do so).</p>	
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## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
Status	Status Description	Authorizing Legislation		
4.2.4	<b><i>Diversion Data Collection</i></b>	State Board	Governor and Legislature, State Board	4/6/2011
<i>Request agencies to ensure that accurate and timely information is collected and reported on all surface water and groundwater diversions in California by 2012.</i>				
1	<p>The legislation (SBX7-8) modified the reporting requirements for surface water diversions. The State Board or DWR are allowed to promulgate emergency regulations to implement the reporting requirements. The law requires any diverter who diverts water after December 31, 1965 to report by July 1 their diversions from the previous year. There are some limited exceptions. Diverters are required to begin reporting monthly starting January 1, 2012.</p> <p>The penalty for willful misstatements is \$1,000 and/or 6 months in jail. The State Board may impose penalties of \$1,000 and \$500 per day for failure to submit reports. The legislation also continuously appropriates \$3.75M annually from the Water Rights Fund for 25 enforcement personnel at the State Board.</p>	Water Code Section 5100		



## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		

4.2.5 **Drought Contingency Plans** Department of Water Resources Governor and Legislature, State Board 4/26/2011  
*Require that all water purveyors develop an integrated contingency plan by 2015 in case of Delta water supply curtailments or drought.*

1	<p>Water Code Section 85021 requires that “each region that depends on water from the Delta watershed shall improve regional self-reliance for water through investment in water use efficiency, water recycling, advanced water technologies, local and regional water supply projects and improved regional coordination of local and regional water supply efforts.”</p> <p>On February 22, 2011, DWR awarded \$21,046,952 in Planning Grants to 30 regional entities. These grants are intended to foster development or completion of Integrated Regional Water Management (IRWM) Plans, to enhance regional planning efforts, and to assist more applicants to become eligible for Implementation Grant funding.</p> <p>The #1 DWR evaluation criteria for regional grant applications reads:</p> <p>“Grant proposals that effectively address long-term drought preparedness by contributing to sustainable water supply and reliability during water shortages. Drought preparedness projects do not include California Water emergency response actions, such as trucking of water or lowering well intakes. Desirable proposals will achieve one or more of the following:</p> <ul style="list-style-type: none"> <li>- Promote water conservation, conjunctive use, reuse and recycling</li> <li>- Improve landscape and agricultural irrigation efficiencies</li> <li>- Achieve long term reduction of water use</li> <li>- Efficient groundwater basin management</li> <li>- Establish system inerties”</li> </ul>	Water Code Section 85021
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## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
4.2.6	<b>Integrated Water Management</b>	Department of Water Resources	Governor and Legislature, State Board	4/26/2011
<i>Establish a regulatory framework that encourages efficient and integrated management of water resources at local, regional, and statewide levels, with a focus on specific actions.</i>				
1	<p>Water Code Section 85021 says “The policy of the State of California is to reduce reliance on the Delta in meeting California's future water supply needs through a statewide strategy of investing in improved regional supplies, conservation, and water use efficiency. Each region that depends on water from the Delta watershed shall improve its regional self-reliance for water through investment in water use efficiency, water recycling, advanced water technologies, local and regional water supply projects, and improved regional coordination of local and regional water supply efforts.”</p> <p>On February 22, 2011, DWR awarded \$21,046,952 in Planning Grants to 30 regional entities. These grants are intended to foster development or completion of Integrated Regional Water Management (IRWM) Plans, to enhance regional planning efforts, and to assist more applicants to become eligible for Implementation Grant funding.</p>	Water Code Section 85021		
5.1.3	<b>Storage and Conveyance Construction</b>	Department of Water Resources	Resources, DWR, Reclamation	4/24/2011
<i>Complete substantial development and construction of new surface and groundwater storage and associated conveyance facilities by 2020, with the goal of completing all planned facilities by 2030.</i>				
1	<p>Construction of Los Vaqueros Reservoir expansion initiated April 1, 2011.</p> <p>Construction of other storage and conveyance projects is pending completion of feasibility studies, environmental documentation, and permitting.</p>			
5.2.1	<b>Reservoir Operations</b>	Department of Water Resources	DWR, Reclamation, Army Corps	4/7/2011
<i>Change the operating rules of existing reservoirs to incorporate and reflect modern forecasting capabilities.</i>				
2	<p>The legislation (SBX7-1, Section 85309) directs DWR, in consultation with the Army Corps and the CVFPB to prepare a proposal to coordinate flood and water supply operations of the SWP and the CVP, and submit the proposal to the council for consideration for incorporation into the Delta Plan. In drafting the proposal, the department shall consider all related actions set forth in the Strategic Plan.</p> <p>DWR has initiated a reservoir re-operations study. Further research required to determine the status of the study.</p>	Water Code Section 85309		

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
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**Action Description**

Status	Status Description	Authorizing Legislation
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5.2.2	<b>San Joaquin Flood Bypass</b>	Department of Water Resources	Governor and Legislature, Resources, 4/27/2011
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*Require the Department of Water Resources to immediately create a flood bypass along the lower San Joaquin River.*

1	<p>As part of the Central Valley Flood Protection Act of 2008, the Legislature directed DWR and the Central Valley Flood Protection Board to "investigate and evaluate the feasibility of potential bypasses or floodways that would significantly reduce flood stage in the San Joaquin River Watershed, upstream and south of Paradise Cut."</p> <p>In January 2011, DWR's Division of Flood Management issued its Early Implementation Program (EIP) Guidelines for award of Proposition 1E funds for projects that are or will be in the State Plan of Flood Control, which includes projects in the Sacramento River and San Joaquin River Watersheds. It is an "early" program for improving or repairing facilities of the State Plan of Flood Control before the adoption of the Central Valley Flood Protection Plan.</p> <p>Further research required to determine the status of planning for a San joaquin Flood Bypass.</p>	Water Code Sction 9613(c)
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## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
5.2.3	<b><i>Infiltration Planning in Watersheds</i></b>	Legislature	Governor and Legislature, Resources,	4/27/2011
<i>Request that the Department of Water Resources encourage greater infiltration as part of watershed management planning.</i>				
1	<p>Water Code Section 85021 says “The policy of the State of California is to reduce reliance on the Delta in meeting California's future water supply needs through a statewide strategy of investing in improved regional supplies, conservation, and water use efficiency. Each region that depends on water from the Delta watershed shall improve its regional self-reliance for water through investment in water use efficiency, water recycling, advanced water technologies, local and regional water supply projects, and improved regional coordination of local and regional water supply efforts.”</p> <p>On February 22, 2011, DWR awarded \$21,046,952 in Planning Grants to 30 regional entities. These grants are intended to foster development or completion of Integrated Regional Water Management (IRWM) Plans, to enhance regional planning efforts, and to assist more applicants to become eligible for Implementation Grant funding.</p> <p>On Friday April 15, 2011, DWR's IRWM Program received 41 grant applications for the Prop 1E Stormwater Flood Management Round 1 solicitation requesting approximately \$265M with a total project cost of \$599M.</p> <p>Further research required to determine DWR's direction to incorporate infiltration as part of watershed planning and IRWM planning.</p>			
6.1.3	<b><i>Highway Protection Strategies</i></b>	Department of Transportation	Caltrans	4/24/2011
<i>Conduct a comprehensive analysis of the costs and benefits of highway protection strategies, and adopt a policy based on its findings by 2012.</i>				
0	<p>“The council, in consultation with the Department of Transportation, may address in the Delta Plan the effects of climate change and sea level rise on the three state highways that cross the Delta.” (Water Code Section 85307(c))</p> <p>Further research required to determine Caltrans actions to address highway risk.</p>	Water Code Section 85307(c)		

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
6.1.4	<b>Infrastructure Protection Strategies</b>	Business, Transportation, and Housing Agency	BTH	4/24/2011
<i>Complete a comprehensive analysis of the costs and benefits of infrastructure protection strategies. Adopt a policy based on its findings by 2012.</i>				
0	Water Code Section 85307. "(c) The council, in consultation with the Department of Transportation, may address in the Delta Plan the effects of climate change and sea level rise on the three state highways that cross the Delta.  (d) The council, in consultation with the State Energy Resources Conservation and Development Commission and the Public Utilities Commission, may incorporate into the Delta Plan additional actions to address the needs of Delta energy development, energy storage, and energy transmission and distribution."  Futher research required to determine the status of BTH infrastructure protection strategies.	Water Code Section 85307		
6.2.1	<b>South Delta Land Use Oversight</b>	Delta Protection Commission	Legislature, DPC	3/31/2011
<i>Immediately strengthen land use oversight of the Cosumnes/Mokelumne floodway and the San Joaquin/South Delta lowlands.</i>				
2	The Legislature directed the DPC to prepare and submit to the Legislature recommendations regarding the potential expansion of, or change to, the Primary Zone or the Delta. In December 2010, DPC completed the "Sacramento San Joaquin Delta Primary Zone Study," which recommended that the Cosumnes/Mokelumne River Central, Bethel Island and Andrus/Brannan Island be redesignated as part of the Primary Zone and that the area within the City of Rio Vista city limits be changed from the Primary Zone to Secondary Zone.	Public Resources Code Section 297735		
6.2.2	<b>Central Delta Land Use Oversight</b>	Delta Protection Commission	Legislature, DPC	3/31/2011
<i>Immediately strengthen land use oversight for Bethel Island, the city of Isleton, and Brannan-Andrus Island.</i>				
2	The Legislature directed the DPC to prepare and submit to the Legislature recommendations regarding the potential expansion of, or change to, the Primary Zone or the Delta. In December 2010, DPC completed the "Sacramento San Joaquin Delta Primary Zone Study," which recommended that the Cosumnes/Mokelumne River Central, Bethel Island and Andrus/Brannan Island be redesignated as part of the Primary Zone and that the area within the City of Rio Vista city limits be changed from the Primary Zone to Secondary Zone.	Public Resources Code Section 297735		

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
6.2.3	<b>Delta At-Risk Lands Plans</b>	Department of Water Resources	DWR, DPC, Local Governments	
<i>Immediately prepare local plans for these five at-risk locations within the primary zone: Walnut Grove (including the residential area on Grand Island), Locke, Clarksburg, Courtland, and Terminous.</i>				
6.2.4	<b>Delta Land Use Consortium</b>	Department of Water Resources	DWR, Local Agencies	
<i>Immediately form a landowner consortium to create a new land use strategy that fosters recreation, increases habitat, reverses subsidence, sequesters carbon, improves handling of dredged material, and continues appropriate agriculture on Sherman, Twitchell, and Jersey Islands.</i>				

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
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**Action Description**

Status	Status Description	Authorizing Legislation
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6.3.1	<b>Delta Levee Investment Plan</b>	Delta Stewardship Council	Governor and Legislature, Resources,	4/27/2011
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*Require the Department of Water Resources, in cooperation with local Reclamation Districts and other agencies, to develop a comprehensive plan for Delta levee investments.*

1	<p>Water Code Section 85306 requires DSC, in consultation with CVFPB to recommend in the Delta Plan priorities for state investments in levee operation, maintenance, and improvements in the Delta, including both levees that are a part of the State Plan of Flood Control and nonproject levees.</p> <p>The DSC has included the following recommendation in the draft Delta Plan (DSC Delta Plan Finance Plan Recommendation 11, Third Draft 4/22/2011, p. 113):</p> <p>"By January 2015, the Department of Water Resources should complete a report on recommendations for prioritized State investments for levee operations, maintenance, and improvements in the Delta. The report should be developed, based upon a Delta-wide comparative benefit/cost analysis. Benefits should be specifically identifiable and calculable but broadly based, not limited to an analysis of the value of land behind a levee. Such a report should be developed in collaboration with the Council, local agencies, federal agencies and the proposed new Delta Flood Management Assessment District."</p>	Water Code Section 85306
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6.3.2	<b>Levee Bond Fund Priorities</b>	Department of Water Resources	DWR, CVFPB?
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*Prioritize the \$750 million appropriated by Proposition 1E and Proposition 84 funds for the improvement of Delta levees, including in legacy towns.*

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## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
6.3.3	<b>Delta Levees Classification Table</b>	Delta Stewardship Council	Governor and Legislature, Resources,	4/4/2011
<i>Require those preparing the comprehensive levee plan to incorporate the Delta Levees Classification Table to ensure consistency between levee designs and the uses of land and water enabled by those levees.</i>				
2	The DSC has incorporated the Delta Levees Classification Table into the 2nd Draft of the Delta Plan.			
6.3.4	<b>Levee Subventions Program</b>	Department of Water Resources	DWR	4/7/2011
<i>Continue the existing Department of Water Resources levee subventions program until the comprehensive levee plan is completed.</i>				
1	From the DWR website: The Flood Control Subventions Section along with the CVFPB (formerly Reclamation Board) provide financial assistance to local agencies cooperating in the construction of federally authorized flood control projects. The CVFPB administers the State financial assistance for major Army Corps projects in the Central Valley while the Flood Control Subventions Section is responsible for disbursing funds for all other State authorized projects. DWR notes that they have unpaid claims for levee improvements of \$137M as of February 2011 (all outside the Central Valley). Further research required to determine the status of CVFPB projects and funding.			
6.3.5	<b>Levee Priorities Authority</b>	Delta Stewardship Council	Governor and Legislature, DSC, CVFPB	4/7/2011
<i>Vest continuing authority for levee priorities and funding with the California Delta Ecosystem and Water Council to ensure a cost-effective and sustainable relationship between levee investments and management of the Delta over the long term.</i>				
1	The legislation (SBX7-1, Section 85306) directs DSC, in consultation with the Central Valley Flood Protection Board, to recommend in the Delta Plan priorities for state investments in levee operation, maintenance, and improvements in the Delta, including both levees that are a part of the State Plan of Flood Control and nonproject levees.			Water Code Section 85306



## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
7.1.4	<b>Delta Science and Engineering Program</b>	Legislature	Governor and Legislature	4/4/2011
<i>Require the California Delta Ecosystem and Water Council to create a Delta Science and Engineering Program and a Delta Science and Engineering Board by September 1, 2009.</i>				
5	<p>The Sacramento-San Joaquin Delta Reform Act of 2009 (Delta Reform Act) establishes the Delta ISB, whose members are to be appointed by the Delta Stewardship Council. The ten current Delta ISB members were appointed by the Council on May 27, 2010 for five-year terms. The Council developed and approved a "Charge to the Delta ISB" on August 26, 2010. The Delta ISB replaces the previous CALFED Independent Science Board. The ISB has been reviewing and commenting on the drafts of the Delta Plan.</p> <p>As required by the legislation, the DSC also has appointed a lead scientist, Clifford Dahm.</p>	Water Resources Code Section 85280		
7.1.5	<b>Water Diversion Compliance</b>	State Board	State Board, DWR	4/4/2011
<i>Improve the compliance of diversions water use with all applicable laws.</i>				
1	<p>The legislation (SBX7-1) requires the State Board to "establish an effective system of Delta watershed diversion data collection and public reporting by December 31, 2010.</p> <p>SBX7-1 also requires the State Board to appoint a Delta Watermaster and delegate authorities to "exercise the board's authority to provide timely monitoring and enforcement of board orders and license and permit terms and conditions.... The Delta Watermaster's authority shall be limited to diversions in the Delta, and for the monitoring and enforcement of the board's orders and license and permit terms and conditions that apply to conditions in the Delta.</p> <p>The legislation (SBX7-8) modified the reporting requirements for surface water diversions. The State Board or DWR are allowed to promulgate emergency regulations to implement the reporting requirements. The law requires any diverter who diverts water after December 31, 1965 to report by July 1 their diversions from the previous year. There are some limited exceptions. Diversions are required to begin reporting monthly starting January 1, 2012.</p> <p>The penalty for willful misstatements is \$1,000 and/or 6 months in jail. The State Board may impose penalties of \$1,000 and \$500 per day for failure to submit reports. The legislation also continuously appropriates \$3.75M annually from the Water Rights Fund for 25 enforcement personnel at the State Board.</p>	Water Code Sections 85086, 85230, and 5100		

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
7.2.2	<b>Delta Plan Adaptive Management</b>	Delta Stewardship Council	Governor and Legislature, DSC	3/27/2011
<i>Institutionalize adaptive management through updates to the California Delta Ecosystem and Water Plan every five years.</i>				
2	Legislature required updates to the Delta Plan every five years.	Water Code Section 85300		
7.2.3	<b>Adaptive Management Program</b>	Independent Science Board	Governor and Legislature, DSC, ISB	4/4/2011
<i>Charge the Delta Science and Engineering Board, with support of the Delta Science and Engineering Program, to develop a science-based adaptive management program to provide for continued learning of, and adaptation to, actions implemented by state, federal, and local agencies in the Delta.</i>				
1	The legislation established the Delta Independent Science Board with a mission to "provide the best possible unbiased scientific information to inform water and environmental decision-making in the Delta. That mission shall be carried out through funding research, synthesizing and communicating scientific information to policymakers and decision makers, promoting independent scientific peer review, and coordinating with Delta agencies to promote science-based adaptive management. The Delta Science Program shall assist with development and periodic updates of the Delta Plan's adaptive management program."	Water Resources Code Section 85280		
7.3.1	<b>Financing Principles</b>	Legislature	Governor and Legislature	4/4/2011
<i>Enact a series of principles regarding design of financing into legislation authorizing the California Delta Ecosystem and Water Council.</i>				
1	The legislation specified an intent to fund the DSC and DC initially "from funds made available pursuant to the Disaster Preparedness and Flood Prevention Bond Act of 2006 (Chapter 1.699 (commencing with Section 5096.800) of Division 5 of the Public Resources Code) and the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Division 43 (commencing with Section 75001) of the Public Resources Code)." The Water Bond does not mention the DSC.	Water Resources Code Section 85350		

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
Status	Status Description	Authorizing Legislation		
7.3.2	<b>Delta Governance Funding</b>	Legislature	Governor and Legislature, DSC	4/4/2011
<i>Establish a base of revenues outside the state General Fund for the work of the California Delta Ecosystem and Water Council, the Delta Conservancy, the Delta Protection Commission, and related core activities of the Department of Fish and Game, the Department of Water Resources, and the State Water Resources Control Board.</i>				
0	Other than the Water Bond (SBX7-2), no apparent direction has been provided on financing the work of the DSC, DC, DPC, and other agencies.  Senator Wolk has proposed legislation (SB571) that would direct the CWC to develop a financing plan for water projects across the state and review and approve funding allocations, similar to the California Transportation Commission.			
7.3.3	<b>New Funding Sources</b>	Legislature	Governor and Legislature, DSC, Others	4/4/2011
<i>Find new revenue sources beyond the traditional bond funds or public allocations.</i>				
0	No apparent action. Further research required.			
7.4.1	<b>Federal Participation</b>	Delta Stewardship Council	DSC, Others?	4/4/2011
<i>Use existing authority under the CALFED Record of Decision to maximize participation of federal agencies in implementation of the Delta Vision Strategic Plan until the California Delta Ecosystem and Water Plan is completed.</i>				
1	Further research required to determine state actions to increase federal participation and cooperation.			

## Delta Vision Strategic Plan Actions Status

Action #	Action Name	State Lead	Responsible Entities	Status Date
<i>Action Description</i>				
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### Acronymns and Abbreviations

Army Corps	U.S. Army Corps of Engineers	DVSP	Delta Vision Strategic Plan
AWMC	Agricultural Water Management Council	DWR	California Department of Water Resources
BDCP	Bay-Delta Conservation Plan	ERP	Ecosystem Restoration Program
BTH	California Business, Transportation, and Housing Agency	FEMA	Federal Emergency Management Agency
Cal EMA	California Emergency Management Agency	NMFS	National Marine Fisheries Service
CalEPA	California Environmental Protection Agency	Reclamation	Bureau of Reclamation
Caltrans	California Department of Transportation	Regional Board	Regional Water Quality Control Board
CCWD	Contra Costa Water District	Resources	California Natural Resources Agency
CDFA	California Department of Food and Agriculture	State Board	California State Water Resources Control Board
CUWCC	California Urban Water Conservation Council	SWP	State Water Project
CVFPB	Central Valley Flood Protection Board	USDA	U.S. Department of Agriculture
CVFPP	Central Valley Flood Protection Plan	USEPA	U.S. Environmental Protection Agency
CVP	Central Valley Project	USFWS	U.S. Fish and Wildlife Service
CVRWQCB	Central Valley Regional Water Quality Control Board	USGS	U.S. Geological Survey
CWC	California Water Commission		
DC	Sacramento-San Joaquin Delta Conservancy		
Delta	Sacramento-San Joaquin River Delta		
DFG	California Department of Fish and Game		
DOC	U.S. Department of Commerce		
DOI	U.S. Department of the Interior		
DPC	Delta Protection Commission		
DRA	Delta Reform Act of 2009 (SB7X-1)		