

Strategic Workplan Update for the Bay-Delta

**Schedule of Element Actions Table**

See End Notes for additional information

For up-to-date information, please refer to the <a href="#">lead contacts</a> .			<u>Original Date</u>	<u>Revised Date</u>
<b>1.0</b>	<b>Water Quality and Contaminant Control</b>			
	<b>1.1</b>	<b>Total Maximum Daily Loads (TMDLs)</b>		
		<b>1.1.1</b>	<b>Implementation of San Joaquin River at Vernalis Salt &amp; Boron TMDL</b>	
			Management Agency Agreement (MAA) with U.S. Bureau of Reclamation (USBR)	October 2008
			USBR's draft monitoring and evaluation plan	January 1, 2009 <b>October, 2009<sup>1</sup></b>
			USBR's final monitoring and evaluation plan incorporating stakeholder and Regional Water Board comments	July 1, 2009 <b>February 2011<sup>1</sup></b>
			USBR's draft compliance monitoring report	January 1, 2010 <b>February 2011<sup>1</sup></b>
			USBR's final compliance monitoring report incorporating Regional Board comments	July 1, 2010 <b>February 2011<sup>1</sup></b>
			Revised Management Agency Agreement with USBR approved by Regional Board	July 1, 2010 <b>February 2011<sup>1</sup></b>
		<b>1.1.2</b>	<b>Upstream San Joaquin River Salinity Objectives</b>	
			Scoping meeting to solicit public input regarding Basin Plan Amendment and potential environmental impacts	March 2009 <b>See Section 9.4<sup>2</sup></b>
			Funding from State Water Board Cleanup and Abatement Account will be requested to establish a contract for California Environmental Quality Act (CEQA) technical support services in preparing environmental documentation for Basin Plan Amendment	July 2009 <b>February 2009<sup>3</sup></b>
			Subcommittee of the Central Valley Salinity Alternatives for Long-term Sustainability (CV-SALTS) established to develop the objectives and prepare material supporting a Basin Plan Amendment	June 2010
		<b>1.1.3</b>	<b>Stockton Deep Water Ship Channel Dissolved Oxygen TMDL</b>	
			First of two studies required by the TMDL	Completed
			Contracting for final round of TMDL studies, initiating two years of new studies	Delayed <b>See Endnote<sup>4</sup></b>
		<b>1.1.4</b>	<b>Implementation of Delta Waterways Diazinon and Chlorpyrifos TMDL</b>	
			Approved by U.S. Environmental Protection Agency (USEPA)	October 2007
			Implemented using the Irrigated Land Program. Compliance dates vary by watersheds (tributary to the Delta)	Ongoing

		<b>1.1.5</b>	<b>Implementation of Stockton Urban Waterways Pathogen TMDL</b>		
			Approved by USEPA	June 2008	
			TMDL requirements are implemented through the City of Stockton and San Joaquin Counties National Pollutant Discharge Elimination System (NPDES) municipal stormwater permits	Ongoing	
		<b>1.1.6</b>	<b>Delta Methyl-Mercury TMDL and San Francisco Bay Mercury TMDL</b>		
			The San Francisco Bay mercury TMDL was approved by USEPA and is currently being implemented	February 2008	
			The Central Valley Water Board opened a hearing for the Delta methyl-mercury TMDL	April 2008	
			Stakeholder process to address stakeholder concerns expressed during the April 2008 Delta methyl-mercury TMDL hearing meeting	July 2009	
			The Central Valley Water Board adopted the Delta methyl-mercury TMDL and Basin Plan Amendment	April 2009	
			Stakeholder process to develop a detailed implementation plan for the Delta methyl-mercury TMDL	December 2010	<b>Ongoing</b> <sup>5</sup>
		<b>1.1.7</b>	<b>North San Francisco Bay Selenium TMDL</b>		
			Proposed numeric targets were presented to the advisory committee and other interested parties	September 2008	
			Draft Preliminary Project report	Fall 2009	<b>2010</b> <sup>6</sup>
			Final technical TMDL report	Spring 2010	<b>2011</b> <sup>6</sup>
		<b>1.1.8</b>	<b>San Francisco Bay PCB TMDL</b>		
			TMDL approved by the San Francisco Bay Water Board	February 2008	
			TMDL approved by the State Water Board, Office of Administrative Law (OAL) and USEPA	March 2009	<b>March 2010</b> <sup>7</sup>
		<b>1.1.9</b>	<b>Old &amp; Middle Rivers Dissolved Oxygen TMDL</b>		
			The Central Valley Water Board is assessing relevant data to understand the impairment, and if needed, prioritize TMDL development	Ongoing	
		<b>1.2</b>	<b>Drinking Water Policy for the Central Valley</b>		
			Staff held public scoping meetings for this project	August 2008	
			The Central Valley Water Board staff is working with a stakeholder work group to complete technical studies necessary to develop a policy recommendation	August 2009	<b>See Endnote</b> <sup>8</sup>
			Preparation of Central Valley Drinking Water Policy staff report describing process and products to date and policy options	October 2009	<b>See Endnote</b> <sup>8</sup>

		Develop staff report and Board resolution based on preferred policy option	January 2010	See Endnote <a href="#">8</a>
		Conduct peer review (if necessary) and respond to comments on draft staff report	January 2010	See Endnote <a href="#">8</a>
		Conduct public review	April 2010	See Endnote <a href="#">8</a>
		The Central Valley Water Board Resolution Adoption	June 2010	July 2010 <a href="#">9</a>
	<b>1.3</b>	<b>Once-Through Cooling</b>		
		CEQA scoping document for statewide policy with preliminary draft policy released	March 2008	
		Expert Review Panel will present draft findings on scoping document and preliminary draft policy at the May 2008 scoping meetings	May 2008	August 2008 <a href="#">10</a>
		CEQA scoping meetings on statewide policy-- comments due by May 20, 2008	May 8 and 13, 2008	
		Circulate draft staff report and statewide policy for public review and comment	December 2008	
		Draft Policy released for public review	December 2008	June 30, 2009 <a href="#">11</a>
		Draft Substitute Environmental Document (SED) released for public review	December 2008	July 15, 2009 <a href="#">11</a>
		Hearing to receive comments on the statewide policy	February 2009	September 16, 2009 <a href="#">11</a>
		Response to comments, draft final staff report, and statewide policy released for public review	April 2009	February 2010 <a href="#">11</a>
		Final draft policy proposed for the State Water Board's consideration	June 2009	February 2010 <a href="#">11</a>
		Policy effective		October 1 <sup>st</sup> , 2010 <a href="#">11</a>
		The NPDES permit renewal process for Mirant's Contra Costa Power Plant		Currently on hold <a href="#">12</a>
		Evaluate the need for additional actions to prevent impacts to Fish and Wildlife beneficial uses	On-going	
	<b>1.4</b>	<b>Sediment Quality Objectives (SQOs) for Enclosed Bays &amp; Estuaries</b>		
		The State Water Board adopted Phase I SQOs	February 2008	
		USEPA approval of the Water Quality Control Plan for Enclosed Bays and Estuaries - Part 1 Sediment Quality	August 25, 2009	
		Sediment grab samples were collected throughout southern and central Delta for use in a multiple line of evidence approach	September - May 2008	
		Initiate Phase II of the SQOs	March 2009	
		Phase II CEQA Scoping Document	August 2009	February 2010 <a href="#">13</a>
		CEQA Workshops	October 2009	April 2010 <a href="#">13</a>
		Circulate Draft Staff Report	June 2010	October

				<b>2010</b> <a href="#">13</a>
		The State Water Board Hearing for adoption of Phase II SQOs	October 2010	<b>2011</b> <a href="#">13</a>
		Rule-making file submitted to Office of Administrative Law	December 31, 2010	<b>2011</b> <a href="#">13</a>
	<b>1.5</b>	<b>Invasive Species</b>		
		The State Water Board issued a Final Clean Water Act Section 401 Water Quality Certification for USEPA's NPDES permit for ballast water/ vessel hull maintenance/ other discharges under the Vessel General Permit (VGP)	February 9, 2009	
		Invasive species concerns to be included in the Water Boards' regulatory and grant programs	On-going	
		The State Water Boards' staff continue to work with the California Agencies Aquatic Invasive Species Team (CAAIST)	On-going	
	<b>1.6</b>	<b>Blue-Green Algae (BGA)</b>		
		Department of Public Health (DPH) Contract – Develop and validate liquid chromatography/mass spectrometry (LC/MS) method(s) for cyanotoxins including, but not limited to, saxitoxin, anatoxin, and cylindrospermopsin.	June 2008- Fall 2008	<b>Mid-2009 - March 2011</b> <a href="#">14</a>
		DPH Contract – Develop decision tree and sampling plan for the collection, handling, and shipment of water, algal, and tissue samples	June 2008- December 2008	<b>March 2009 – March 2011</b> <a href="#">15</a>
		Office of Environmental Health and Hazard Assessment (OEHHA) Contract – Final Report on BGA Risk Assessment will be completed	Fall 2008	<b>Mid-2010</b> <a href="#">16</a>
		DPH Contract – Conduct liquid chromatography/mass spectrometry (LC/MS) analysis for microcystins by collecting a maximum of 100 samples per year from throughout the State	June 2008- June 2010	<b>Mid-2009 - March 2011</b> <a href="#">14</a>
		DPH Contract – Perform evaluation of field/test kits for cyanotoxins	June 2009	<b>March 2009 - March 2011</b> <a href="#">15</a>
		Develop a prototype identification guide for common cyanobacteria (e.g. photomicrographs and a list of distinguishing features)	December 2009	<b>March 2009 - March 2011</b> <a href="#">17</a>
		Develop taxonomic identifications using microscopy in order to screen phytoplankton samples for the presence of potentially toxin-producing species	June 2010	<b>Item Deleted</b> <a href="#">18</a>
		The State and Regional Water Boards will assess the need to take additional actions to control for BGA blooms in the Delta and other areas of the State	Ongoing	<b>See Endnote</b> <a href="#">19</a>

	<b>1.7</b>	<b>Characterize Discharges from Delta Islands</b>			
			A contract was executed with UC Davis (UCD), which includes a task to conduct monitoring and evaluate the potential impact of island drainage on beneficial uses in the Delta, with recommendations for future monitoring and studies	June 2008	<b>See Endnote<sup>20</sup></b>
			Coordination with stakeholders and preparation of the final monitoring plan and Quality Assurance Project Plan (QAPP)	June 2009	<b>October 2009<sup>21</sup></b>
			Initiate monitoring activities	May 2009	<b>January 2010<sup>21</sup></b>
			Final report with data and recommendations	March 2010	<b>Delayed<sup>21</sup></b>
	<b>1.8</b>	<b>Ammonia Effects on Delta Smelt and Algal Primary Productivity</b>			
		<b>1.8.1</b>	<b>Delta Smelt Survival Studies</b>		
			The State and Regional Water Boards contracted with researchers at UCD to conduct toxicity tests with larval Delta smelt to determine their sensitivity to ammonia	April 2008	
			Final report: The effects of ammonia/ um and wastewater treatment effluent-associated contaminants on Delta smelt	February 2009	<b>April 3, 2009<sup>22</sup></b>
			Conduct follow-up studies as needed	April - July 2009	<b>April – July 2010<sup>23</sup></b>
			Draft final Report on follow-up studies	November 2009	<b>November 2010<sup>23</sup></b>
		<b>1.8.2</b>	<b>Algal Primary Production</b>		
			Complete San Francisco State University (SFSU) experiments in the northern Delta to determine whether ambient in-stream ammonium concentrations reduce algal growth rates	April 2009	<b>July 2009<sup>24</sup></b>
			Draft Report (preliminary results presented at Ammonia Summit)	June 2009	<b>February 2010<sup>24</sup></b>
		<b>1.8.3</b>	<b>Additional Actions</b>		
			Ammonia Summit to present studies and gather information related to the impact of ammonia on Delta species and develop recommendations for future study	August 18-19, 2009	
			Ammonia Literature Review and Data Analysis Draft UCD synthesis report on existing data, studies, and literature on the effects of ammonia on aquatic species	July 2009	<b>Delayed<sup>25</sup></b>
	<b>1.9</b>	<b>Selenium Screening Study for Delta</b>			
			Results of Moss Landing Marine Laboratory analysis of selenium in about 100 fish collected from the Central Valley and Delta over the last eight years.	July- October 2008	<b>March 2009<sup>26</sup></b>

		The Central Valley Water Board to analyze and assess the data, prepare a written report, and present results to stakeholders for review, comment, and discussion of potential follow-up actions	November 2008- March 2009	<b>April 2010</b> <sup>26</sup>
		Meet with stakeholders to evaluate options for follow-up on study findings, as necessary	March - June 2009	<b>June 2010</b> <sup>26</sup>
	<b>1.10</b>	<b>Agency Cooperation on In-Delta Pesticide Use</b>		
		Meetings with Department of Pesticide Regulations, County Agricultural Commissioners, Department of Food and Agriculture, and Water Quality Coalitions to assess need for increased enforcement or restrictions on pesticide use in the Delta	July- December 2008	<b>Currently on hold</b> <sup>27</sup>
		Gather, compile, and assess information and develop recommendations for future steps including, but not limited to, development of a memorandum of understanding (MOU)	January- June 2009	<b>See Endnote</b> <sup>27</sup>
<b>2.0</b>	<b>Comprehensive Monitoring Program</b>			
		Completion of draft Delta contaminants synthesis report (prepared by UCD)	September 2008	<b>April 2010</b> <sup>28</sup>
		Establish process for stakeholder involvement, hold RMP stakeholder kick-off meeting, and organize stakeholder working groups	September 2008	
		Completion and public distribution of draft final report summarizing existing water quality monitoring programs in the Delta (prepared by Aquatic Science Center)	January 2009	<b>November 2009</b> <sup>29</sup>
		RMP strategy and alternative report(s)	June 2009	<b>October 2010</b> <sup>30</sup>
		Summary of options and needed resources	July 2009	<b>Delayed</b> <sup>30</sup>
		The State and Regional Water Boards' consideration of options and associated resource needs	December 2009	<b>Delayed</b> <sup>30</sup>
<b>3.0</b>	<b>San Joaquin River Flow and Southern Delta Salinity Objectives</b> <sup>31</sup>			
		Evaluate compliance with objectives and take enforcement as needed	Ongoing	
		Independent expert review report of current science regarding salinity objectives	April 2008- 4th Qtr. 2008	<b>November 2009</b>
		Modeling analyses of potential water supplies needed to meet salinity objectives from various sources	August 2007 - 4th Qtr. 2008	<b>See Endnote</b> <sup>32</sup>
		Workshop to solicit information on the Department of Fish and Game's (DFG) San Joaquin River salmon escapement model, review of the Vernalis Adaptive Management Plan (VAMP), and other information	September 2008	<b>See Endnote</b> <sup>33</sup>
		Notice of Preparation (NOP) and Scoping for Bay-Delta Plan and Notice of Public Workshop regarding potential modifications to Salinity and San Joaquin River Flow (SJRF) Objectives	1 <sup>st</sup> Qtr. 2009/June 2011	<b>See Endnote</b> <sup>34</sup>
		Water Quality Control Planning workshops to receive information on potential changes needed to the salinity and SJRF objectives	Multiple Dates	<b>See Endnote</b> <sup>35</sup>

	Prepare staff report (Substitute Environmental Document) regarding potential water quality control planning alternatives	1st – 2nd Qtr. 2009	2 <sup>nd</sup> Qtr. 2009 – 4 <sup>th</sup> Qtr. 2011 <sup>36</sup>
	Modeling analyses for various alternatives and CEQA for potential modifications to Water Quality objectives and implementation	2nd Qtr. 2009 - 2nd Qtr. 2010	See Endnote <sup>37</sup>
	Issue draft Environmental Impact Report (EIR) for comment by responsible agencies	3rd Qtr. 2010	See Endnote <sup>38</sup>
	Issue draft EIR for public comment	4th Qtr. 2010 - 2nd Qtr. 2011	See Endnote <sup>38</sup>
	Prepare Water Quality Control Plan modifications	2nd - 4th Qtr. 2011	2 <sup>nd</sup> Qtr. 2009 – 1st Qtr. 2012 <sup>39</sup>
	Hold Water Right hearing to consider potential changes to Water Right requirements	2nd Qtr. 2011	See Endnote <sup>40</sup>
	Prepare draft Water Right order	2nd - 4th Qtr. 2011	See Endnote <sup>40</sup>
	Draft Water Quality Control Plan (WQCP) modifications and draft Water Right order for public comment	4th Qtr. 2011	See Endnote <sup>41</sup>
	State Water Board meeting on draft WQCP modifications and draft Water Right order	1st Qtr. 2012	See Endnote <sup>42</sup>
	The State Water Board to consider changes to WQCP, Water Right order, and EIR certification	Prior to April 2012	See Endnote <sup>43</sup>
	Consider DWR's petition to change the CDO as necessary	Unspecified	1 <sup>st</sup> Quarter 2010
<b>4.0</b>	<b>Suisun Marsh Management, Preservation, and Restoration</b>		
	The State and Regional Water Boards staff will continue to support the interagency effort to develop a Suisun Marsh Plan (SMP). The Water Boards will also coordinate with the BDCP and Delta Vision related to these issues	Through completion of planning process	
	The State and Regional Water Boards staff will review and provide comments on the draft EIR/ EIS	Early 2009	January 2011 <sup>44</sup>
	The State and Regional Water Boards staff will review the final EIR/ EIS. The Suisun Marsh Charter Group will also provide a proposed plan for determining what if any changes should be made to the water quality objectives included in the Bay-Delta Plan for Suisun Marsh	Early 2010	See Endnote <sup>45</sup>
	The State and Regional Water Boards will regulate, manage, and study pollutants in Suisun Marsh. Region 2 is beginning the initial stages of Suisun Marsh TMDL (Conceptual Model/Impairment Assessment).	Ongoing	
	San Francisco Bay Water Board staff will continue to address development around Suisun Marsh to minimize impacts through the 401 Water Quality Certification Program, review of environmental documents, and working with local agencies	Ongoing	
	The State and Regional Water Boards will consider taking additional actions as needed to protect beneficial uses of water within Suisun Marsh and Bay-Delta	As Needed	
<b>5.0</b>	<b>Comprehensive Review of Bay-Delta Plan</b>		
	Bay-Delta Conservation Plan (BDCP) Coordination	On-going	

	Solicit written input on factual issues concerning Delta's ecology	August 29, 2008	
	Workshop on Periodic Review of the 2006 Bay-Delta Plan	October 8, 2008	
	Staff will finalize a detailed scope of services for the periodic review of the Bay-Delta Plan and obtain a written commitment from BDCP managers for any portion of the final scope of services they choose	As soon as possible after October 2008	<b>See Endnote</b> <a href="#">46</a>
	The State Water Board will review and revise the Bay-Delta Plan	When Necessary	<b>See Endnote</b> <a href="#">47</a>
	Conduct an evidentiary hearing on critical issues affecting Delta's ecology	Nov-08	<b>Canceled</b> <a href="#">48</a>
	Participation in BDCP environmental review process and BDCP Processes, working groups, and steering committee	Ongoing	<b>See Endnote</b> <a href="#">49</a>
	Staff will review and comment on first draft BDCP	3 <sup>rd</sup> Qtr. 2009	<b>Delayed</b> <a href="#">50</a>
	Staff will review and comment on BDCP Public Draft EIR/EIS and Public Draft BDCP	4 <sup>th</sup> Qtr. 2009	<b>Delayed</b> <a href="#">51</a>
	Water Quality Control Planning workshop to consider potential changes to Bay-Delta Plan	1st Qtr 2010	<b>See Endnote</b> <a href="#">52</a>
	Review final BDCP EIR/EIS and final BDCP	2nd Qtr 2010	<b>See Endnote</b> <a href="#">52</a>
	Water Rights hearings to consider potential changes to Water Right license/ permit requirements and other measures to implement changes to Bay-Delta Plan	2nd- 3rd Qtr 2010	<b>See Endnote</b> <a href="#">53</a>
	Prepare proposed changes to Bay-Delta Plan and Water Right decision or order	4th Qtr 2010 - 3rd Qtr 2011	<b>See Endnote</b> <a href="#">53</a>
	Public review of draft changes to Bay-Delta Plan and draft Water Right decision/ order	3rd- 4th Qtr 2011	<b>See Endnote</b> <a href="#">53</a>
	Make any needed changes to draft	4th Qtr 2011	<b>See Endnote</b> <a href="#">53</a>
	State Water Board adoption of draft changes to Bay-Delta Plan, draft Water Right decision/ order	End 4th Qtr 2011	<b>See Endnote</b> <a href="#">53</a>
	Consideration of any petitions related to changes in conveyance	Unspecified	
<b>6.0</b>	<b>Reasonableness Proceeding</b>		
	To be addressed by efforts within the Comprehensive Review of Bay-Delta Plan and through Staff participation in the BDCP process		<b>See Endnote</b> <a href="#">54</a>
<b>7.0</b>	<b>Water Right Investigation &amp; Enforcement</b>		
	Analyze and correlate State Water Board's water right records with property ownership, aerial photographs, crop mapping information, and data from DFG pertaining to diversion works. Compile data on a tracking database.	October 2008- January 31, 2009	
	Prepare and mail property owners a contact letter informing them of the Project and requesting information about the basis of their water rights.	February 15, 2009	
	The State Water Board will analyze individual claims based on submitted and available information, field inspections or aerial reconnaissance of facilities.	April - September 2009	



	Issue notices of enforcement actions.	November - December 2009	<b>Ongoing</b>
	As warranted, conduct additional water right investigations and enforcement actions.	December 2009 - Ongoing	
<b>8.0</b>	<b>Water Use Efficiency</b>		
	<b>8.1 Water Recycling</b>		
	Draft Recycled Water Policy and Staff Report for public comment	November 2008	
	Draft Recycled Water Policy adopted by the State Water Board	February 3, 2009	
	Recycled Water Policy approved by OAL	May 14, 2009	
	Statewide General Permit for Landscape Irrigation Uses of Municipal Recycled Water adopted by State Water Board in WQ Order No. 2009-0006-DWQ	July 7, 2009	
	<b>8.2 20% by 2020</b>		
	Preparation of a multi-agency strategic plan	October 2008	<b>February 2010</b> <a href="#">55</a>
	<b>8.3 Urban Water Conservation</b>		
	The State Water Board consideration of staff recommendations for an urban water conservation regulatory strategy following the 20% by 2020 plan	June 2009	<b>See Endnote</b> <a href="#">56</a>
	<b>8.4 Reasonableness of High Water Use</b>		
	Evaluation of reasonableness of urban and agricultural high water use	End of 2012	
	<b>8.5 Water Measurement Database</b>		
	Feasibility report submitted to the Legislature estimating costs of a coordinated water measurement database	January 2009	
	Feasibility report sent to the Governor's Office for approval prior to legislative review	July 27, 2009	
<b>9.0</b>	<b>Other Activities</b>		
	<b>9.1 Delta Smelt Refuge Population</b>		
	The Cleanup and Abatement Account (CAA) funds have been authorized in the amount of \$600,000 and a contract with DFG has been executed for the establishment and maintenance of a delta smelt refuge, as invoices are received.	August 1, 2008 – June 30, 2011	
	<b>9.2 Screening Diversions in the Delta &amp; Tributaries</b>		
	Actions considered as part of the Periodic Review of the Bay-Delta Plan		
	<b>9.3 Minimum In-Stream Flow Standards</b>		
	DFG submitted a list of 22 priority streams for development of in-stream flow recommendations, including several Delta tributaries	August 2008	

		DFG provided a flow recommendation for Butte Creek to the Board	May 11, 2009	
		The State Water Board's consideration of actions to take to implement DFG's recommendations		
	<b>9.4</b>	<b>Salinity Management Plan for the Central Valley (CV-SALTS)</b>		
		Stakeholders to complete comprehensive work plan for activities leading to a Basin Plan Amendment	May 2009	<b>October 2011</b> <sup>57</sup>
		Regional Board to consider stakeholder progress made and determine how to proceed with associated Basin Planning	June 2010	<b>February 2011</b> <sup>57</sup>
		Stakeholders to identify project director and functioning management team for execution of their comprehensive work plan	August 2009	<b>See Endnote</b> <sup>57</sup>
		Contracting as needed for performance of various tasks in the comprehensive work plan finalized	Ongoing	

## End Notes

<sup>1</sup> A draft plan was submitted in December 2008. A revised draft plan was submitted in June 2009. At that time, USBR, Central Valley Regional Water Quality Control Board (Central Valley Regional Board) staff and interested parties decided to take all MAA-related documents to the Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS) group for input. Since then, USBR and Central Valley Regional Board staffs, working through the stakeholder process, have been working on revisions to USBR's compliance evaluation plan, compliance evaluation report, a revised USBR salt management plan, and a revised MAA. All of these documents have recently been re-released for public review, with the goal of presenting them to the Central Valley Regional Board at their February 2011 meeting.

<sup>2</sup> This work is now under the umbrella of CVSALTS.

<sup>3</sup> Cleanup and Abatement Account funds were received in February 2009.

<sup>4</sup> The contracting effort is still ongoing. Contract execution is contingent on available bonds. In the event bonds are not available, Central Valley Regional Board staff has been meeting with stakeholders to discuss other options for funding the studies.

<sup>5</sup> The Delta Mercury TMDL is delayed due to the addition of a facilitated stakeholder process (using the Center of Collaborative Policy) to address public concerns raised during the TMDL development process. State Board approval hearing not yet scheduled. Development of the detailed Stakeholder implementation plan will begin once the Basin Plan Amendment has been approved by the USEPA.

<sup>6</sup> This activity is delayed due to complexity of the TMDL and the need for additional data collection to address riverine, ocean and refinery inputs to North Bay system.

<sup>7</sup> Delayed due to staffing issues and workload constraints.

<sup>8</sup> Public workshops and CEQA scoping meetings were held on 25, 26, and 27 August 2008 in Rancho Cordova, Stockton and Chico. Funding for the technical studies was suspended as a result of the freeze on bond-funds. A portion of the funds was reactivated in December 2009, and later, the grantee was offered the opportunity for an additional year extension and reinstatement of the entire amount of the grant. California Urban Water Agencies (CUWA), the grantee, did not act on the second grant extension, thus ending the grant with its partial funding on 31 March 2010. The technical studies will

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not be completed. Central Valley Water Board staff will develop a resolution that provides a status of this effort.

<sup>9</sup> On 9 September 2010, bond funds were reinstated under an amended grant agreement between State Water Resources Control Board and CUWA. The original grant Scope of Work was revised due to scheduling constraints of the amended grant agreement. Central Valley Water Board staff will continue to work with the Central Valley Drinking Water Policy Workgroup to fulfill requirements of the grant prior to the grant expiration date of 31 March 2010. As required under the Resolution adopted by the Central Valley Water Board on 29 July 2010 staff will complete the outline, work plan (including key elements of the policy, timelines and cost estimates), and funding proposal of a Central Valley drinking water policy within one year of the adoption date and bring a final drinking water policy to the Board no later than three years after adoption of the Resolution, assuming that resources are available to support policy development.

<sup>10</sup> Delay in expert review process.

<sup>11</sup> Delayed due to staffing issues and workload constraints. Further delays due to U.S. EPA's ruling on February 16, 2009 that exempted older power plants from retrofitting once through cooling systems to a closed loop system.

<sup>12</sup> At this time, it will not be necessary to draft a renewed NPDES Permit. Mirant's Contra Costa Power Plant is scheduled to retire at midnight April 30, 2013 under a Tolling Agreement between GenOn Delta, LLC (formerly known as Mirant Delta, LLC) and Pacific Gas & Electric (PG&E).

<sup>13</sup> Progress on this element is slow due to furloughs and the technical complexity of the issue.

<sup>14</sup> The Department of Public Health (DPH) contract was canceled due to nonperformance of contractor. Task transferred mid-2009 to new SJSURSF contract.

<sup>15</sup> The DPH contract was canceled due to nonperformance of contractor. Task transferred to amended UCSC contract mid-2009.

<sup>16</sup> Peer Reviewers have been identified and will begin review process spring 2011. Peer review is expected to be complete by summer 2011. Comments and final report will be posted here: [http://www.waterboards.ca.gov/water\\_issues/programs/bluegreen\\_algae/index.shtml](http://www.waterboards.ca.gov/water_issues/programs/bluegreen_algae/index.shtml)

<sup>17</sup> University of California Santa Cruz (UCSC) schedule for deliverables disrupted due to delays in approving contract amendments per 2009 Executive Order on contracts: revised deliverable schedule pending.

<sup>18</sup> Contract Terminated in 2009 due to contractor nonperformance; unable to obtain service elsewhere.

<sup>19</sup> Toxin-producing strains in Delta identified by the Department of Water Resources (DWR) and UCSC; some UCSC work funded by SJSURF contract in 2009. Additional funding from the Surface Water Ambient Monitoring Program (SWAMP) is earmarked for monitoring in the Delta and Clear Lake for 2011-2012 by UCSC.

<sup>20</sup> Contract terminated March 2010 without delivery of most work products. State Board's legal is handling proceedings.

<sup>21</sup> Preparation of a final monitoring plan and Quality Assurance Project Plan (QAPP) delayed due to staffing issues and workload constraints. Additional delays may occur if denial of site access to monitoring locations cannot be remedied.

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<sup>22</sup> This element was initially delayed approximately 3 months due to budget problems. Release of the final report on the effects of ammonia and wastewater treatment effluent-associated contaminants on Delta smelt was delayed due to an extension of the review process.

<sup>23</sup> Follow-up studies included: (1) a repeat of the test designed to assess whether Delta smelt survival is negatively impacted by one or more contaminant(s) that are positively correlated with ammonia from Sacramento Regional Wastewater Treatment Plant (SRWTP) and (2) studies to establish ammonia effect concentrations (e.g., LC50) for two Delta smelt life stages (larval and juvenile). Follow-up studies are complete.

<sup>24</sup> Delayed 6 to 12 months due to budget problems and adverse field conditions. The study period was extended to allow for additional sampling efforts and associated experiments.

<sup>25</sup> Delayed due to staffing issues and workload constraints.

<sup>26</sup> The selenium tissue analysis data were received by the Central Valley Regional Water Board in March 2009. The final report was released in December 2010.

<sup>27</sup> As stated in the Strategic Workplan, there are currently no resources dedicated for the tasks associated with the element. Planning associated with this element is currently on hold while awaiting the results from a recent study conducted by Dr. Don Weston (UC Berkeley) concerning the sources, seasonality, and toxicity of pyrethroid pesticides to the Delta; results from a forthcoming study designed to characterize Delta island discharges (Dr. Michael Johnson - UC Davis); and completion of the UC Davis report synthesizing available data on contaminants in the Delta.

<sup>28</sup> Preparation of the Contaminants Syntheses Report was delayed as a result of contracting and work load constraints.

<sup>29</sup> Preparation of the Delta Water Quality Monitoring Summary Report was delayed as a result of contracting and work load constraints.

<sup>30</sup> Release of the summary of options and needed resources for sustainable long-term monitoring program is delayed to allow full analysis of existing data and monitoring systems work and additional stakeholder discussion.

<sup>31</sup> The State Water Board has modified its approach for reviewing and implementing potential changes to the southern Delta salinity and San Joaquin River flow objectives from the approach envisioned in the Strategic Workplan. Originally, the Strategic Workplan called for considering potential changes to the Bay-Delta Plan almost concurrently with consideration of potential changes to water rights and other measures implementing the objectives. The State Water Board is currently conducting this process in a more step-wise manner. As a result, the activities and timelines included for this activity are substantially changed. More information is provided in the endnotes for each activity.

<sup>32</sup> The State Water Board developed a tool to evaluate the water supply impacts of various salinity alternatives as part of its October 2010 Draft Report on the Scientific Basis for Developing Alternative San Joaquin River Flow and Southern Delta Salinity Objectives. The State Water Board held a workshop on January 6 and 7, 2011, to receive information concerning the water supply effects tool and other information. The State Water Board is in the process of determining what additional work is needed to evaluate the water supply effects of alternative salinity and San Joaquin River flow objectives.

<sup>33</sup> The State Water Board held a workshop on January 6 and 7, 2011, concerning its Draft Technical Report on the Scientific Basis for Developing Alternative San Joaquin River Flow and Southern Delta

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Salinity Objectives. The State Water Board will evaluate the need to hold additional workshops to address other San Joaquin River flow issues. The State Water Board does not plan to hold a workshop specifically to discuss the DFG salmon model at this time.

<sup>34</sup> The State Water Board issued a revised notice of preparation and of public scoping on April 1, 2011. Comments are due on May 23, 2011 and the public scoping meeting is scheduled for June 6, 2011.

<sup>35</sup> The following public workshops have been held: (March 18, 2009) Update on Re-Evaluation of Southern Delta Salinity Objectives, (April 22, 2009) Consideration of Potential Amendments Relating to SDS and SJRF Objectives, (June 19, 2009) Continued detailed discussions related to review of the southern Delta salinity and San Joaquin River flow objectives, (August 13, 2009) Dr. Hoffman's presentation and discussion of his draft study report on crop salt tolerance in the southern Delta, (November 4, 2009), workshop on the State Water Board's Draft Technical Report on the Scientific Basis for Developing Alternative San Joaquin River Flow and Southern Delta Salinity Objectives (January 6 and 7, 2011).

<sup>36</sup> Draft SED expected by end of 2011. Consideration of final Substitute Environmental Document and any changes to San Joaquin River flow and southern Delta salinity objectives by June of 2012.

<sup>37</sup> The State Water Board developed a tool to evaluate the water supply impacts of various San Joaquin River flow and salinity alternatives as part of its October 2010 Draft Report on the Scientific Basis for Developing Alternative San Joaquin River Flow and Southern Delta Salinity Objectives. The State Water Board is currently in the process of determining what additional work is needed to evaluate the water supply effects of alternative southern Delta water quality and San Joaquin River flow objectives to consider potential changes to the Bay-Delta Plan. Modeling work to evaluate potential changes to water right requirements implementing changes to the Bay-Delta Plan will be part of a subsequent water rights phase that will take place after modifications to the Bay-Delta Plan are considered.

<sup>38</sup> Preparation and circulation of a draft EIR to address potential changes to water rights and other measures to implement any changes to the Bay-Delta Plan will follow adoption of any updates to the Bay-Delta Plan.

<sup>39</sup> For more information, including a project timeline, visit:  
[http://www.waterboards.ca.gov/waterrights/water\\_issues/programs/bay\\_delta/bay\\_delta\\_plan/index.shtml](http://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/bay_delta_plan/index.shtml).

<sup>40</sup> Following adoption of potential changes to the Bay-Delta Plan, the State Water Board will begin the process to determine what, if any, changes should be made to water right requirements of other measures to implement any changes to the southern Delta water quality and San Joaquin River flow objectives.

<sup>41</sup> The State Water Board plans to release any draft updates to the Bay-Delta Plan for public comment during the 1st quarter of 2012. Any draft water rights order implementing changes to the southern Delta water quality and San Joaquin River flow objectives will be developed following adoption of any changes to the Bay-Delta Plan.

<sup>42</sup> The State Water Board is planning to consider any changes to the southern Delta water quality and San Joaquin River flow objectives included in the Bay-Delta Plan in the 2nd quarter of 2012. A proceeding to determine what, if any, changes are needed to water rights will follow adoption of any changes to the Bay-Delta Plan.

<sup>43</sup> The State Water Board plans to consider any changes to the San Joaquin River flow and southern Delta water quality objectives and the program of implementation for those objectives included in the

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Bay-Delta Plan by June of 2012. Any water right proceeding (including CEQA compliance) to implement those changes will occur following the adoption of potential changes to the Bay-Delta Plan.

<sup>44</sup> The State and Regional Water Boards provided comments on the draft EIR/ EIS in January 2011.

<sup>45</sup> The Draft Suisun Marsh Habitat Management and Preservation Plan (SMP) does not address potential changes to the Suisun Marsh and Suisun Bay salinity objectives included in the Bay-Delta Plan. The State Water Board will continue to coordinate with DWR, USBR, and other parties involved with the SMP to determine what if any changes may be needed to the Suisun Marsh and Suisun Bay salinity objectives.

<sup>46</sup> State Water Board staff have been in consultation with BDCP concerning needed technical and CEQA analyses through meetings and written comments. In addition to providing comments on the two BDCP Notices of Preparation, on April 19, 2011, the State Water Board sent a letter to BDCP providing additional information concerning needed analyses.

<sup>47</sup> As part of this action, on August 4, 2009, the State Water Board adopted the 2009 Staff Report for the Periodic Review of the 2006 Bay-Delta Plan.

<sup>48</sup> On November 18, 2008, the State Water Board voted not to proceed with the fact-finding proceeding discussed in the Bay-Delta Strategic Workplan.

<sup>49</sup> The BDCP process is currently on hold as a new process for moving forward is developed.

<sup>50</sup> Full draft plan has not been released.

<sup>51</sup> Draft EIR/EIS will follow release of draft BDCP.

<sup>52</sup> Development of the BDCP is delayed. The State Water Board will continue to evaluate progress by the BDCP to determine the best process for proceeding with potential changes to the Bay-Delta Plan.

<sup>53</sup> Water rights and water quality control planning process currently delayed.

<sup>54</sup> The Delta Watermaster submitted a report on The Reasonable Use Doctrine & Agricultural Water Use Efficiency to the SWRCB and the Delta Stewardship Council in January 2011, under the provisions of the 2009 Water Reform Legislation. The report can be found here:  
[http://www.waterboards.ca.gov/board\\_info/agendas/2011/jan/011911\\_12\\_reasonableusedoctrine\\_v010611.pdf](http://www.waterboards.ca.gov/board_info/agendas/2011/jan/011911_12_reasonableusedoctrine_v010611.pdf)

<sup>55</sup> The draft 20% x 2020 Water Conservation Plan was released on April 30, 2009 for public review and comment. The 20 x 2020 interagency team met on July 6, 2009 to review and address comments received on the draft plan. The final *20x2020 Water Conservation Plan*, was released in February 2010.

<sup>56</sup> State Water Board members were briefed on staff recommendations for an urban water conservation regulatory strategy as well as conservation activities stemming from the water conservation bill (SB X7 7) that was part of the Delta water bills. Initially, State Water Board staff will assist the DWR in implementing SB X7 7 from the 2009 Water Package and will implement activity 8.4.

<sup>57</sup> Leadership Group (multi-agency representation) meeting scheduled for 24 February 2011 to vet future direction of initiative. Further activities pending recommendations.