

Item	Plan Objectives ¹	Qualitative Measurement	Quantitative Measurement	Addresses Plan Goal(s):	Thoughts and Questions to Consider/Notes	Priority
Education and Awareness Focus						
1	<p>Annually provide and promote use of educational curricula designed to increase awareness of watershed and resource stewardship and how individual stewardship relates to community health and well-being for 600-K-12 students and expose 5,000 people within the region to educational information designed to increase awareness of watershed and resource stewardship and how individual stewardship relates to community health and well-being starting July 2013 through the planning period.</p>		<p>Availability of curricula suitable to each grade and student population within the region.</p> <p><u>Number of schools contacted each year to promote use of curricula.</u> Target: Contact 50% of all schools in region each year.</p> <p>Number of students provided who receive instruction from with grade-suitable curricula. Target: Reach 30% of student population each year starting in 2014.</p> <p>Estimated number of people reached with information available on websites and other media for general</p>	2, 3, 7, and 11	<p>How do determine suitability and effectiveness?</p> <p>Measurement for education of general public (e.g. number of information brochures distributed by water agencies at community events, number of times educational information on water agencies' websites are accessed)</p>	Medium

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			public.			
2	<u>Provide educational information designed to increase awareness of watershed and resource stewardship and how individual stewardship relates to community health and well-being for the adult population within the region starting July 2013 through the planning period.</u>		<u>Number of people who receive the educational materials/messages within the region each year.</u> <u>Target: 3% of population annually.</u>			<u>Medium</u>
Habitat Focus						

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<u>23</u>	Restore 15 acres of native vegetation along riparian corridors, canals and ditches throughout the region annually to provide stream shading, habitat enhancement and increased biological diversity through 2035.		Acres restored along corridors, canals and ditches; improvement in shading, survey of biological diversity (birds, fish) Number of native plants planted; <u>Improved connectivity of habitat corridors, etc.</u> <u>Target: Support goals established within NCCP's and HCP's for the region.</u>	1, 5, and 8, and 13	What are the other parameters besides acreage? (e.g., width, species, topography, etc.)	High
<u>3a4</u>	Quantify the extent of suitable spawning habitat currently accessible to threatened, endangered, or imperiled native fish within the region by December 31, 2014.		<u>Existence of documentation of extent of suitable spawning habitat currently accessible to threatened, endangered, or imperiled native fish within the region.</u> <u>Is the study complete? Yes or no.</u>	<u>3, 5, 8, and 11</u>		High
<u>3b5</u>	Prioritize, plan, and schedule improvements in suitable spawning		<u>Is the plan</u> Existence of <u>a document with planned, prioritized, and scheduled</u>	<u>3, 5, 8, and 11</u>		High

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	habitat accessible to threatened, endangered, or imperiled native fish within the region by December 31, 2015.		complete with prioritized improvements. ? Yes or no.			
3e6	Increase availability of suitable spawning habitat for threatened, endangered, or imperiled native fish as designated in result of Objective 3b5 .		<u>Change in the Area</u> of suitable spawning habitat that is accessible to target species.	<u>45, 8, and 13</u>		High

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Invasives Focus						
47	Prevent colonization of any regional water body by Quagga mussels or Zebra mussels and eliminate or prevent the spread of New Zealand mud snails from Putah Creek during the planning period.		Presence (or absence) of target invasive species.	5, 8, 9, and 12		High
5a8	Establish an invasive plant management plan (including specific and measurable targeted outcomes for species of concern and a schedule to accomplish target outcomes) for the entire region by December 31, 2015.		<u>Existence of an invasive plant management plan for the region.</u>	<u>3, 5, 8, 10, and 11</u>		High

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<u>5b9</u>	Implement programs and projects to meet the designated outcomes defined in the Invasive Plant Management Plan developed in Objective <u>5b8</u> (according to the schedule provided in that plan).		Measures appropriate to the targeted outcomes designated in the <u>Invasive Plant Management Plan</u> created from <u>according to</u> Objective <u>5a8</u> .	5, 8, and 10		High
Infrastructure Focus						
<u>Orig 7</u>	Sustain and modernize existing water supply, water quality, and flood management infrastructure throughout the planning period.	Reliability of service; operational efficiency; customer satisfaction.	-	6, 9, 10, and 12	Concerns were raised about the wording of this objective during Meeting 6.	High
<u>Alt 7a10</u>	Create an <u>regional inventory of Asset Management Plan for significant key water management infrastructure within the region that consistent with the guidance provided in</u>		<u>Is the regional inventory complete? Existence of Asset Management Plan</u>	<u>2, 3, 6, 9, 10, 11, and 12</u>	<u>SCWA supports the original language and opposes this new language as impractical.</u>	High

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	<p><u>the International Infrastructure Management Manual</u> includes an estimated useful life remaining for the infrastructure and a list of desired additions, repairs, or improvements by December 31, 2014.</p>					
Alt-7b	<p>Develop a region-wide capital improvement and major maintenance schedule that identifies priority investments planned within the next 10 years to sustain and modernize the existing water supply, water quality, and flood management infrastructure by December 31, 2015.</p>		<p>Is the region-wide capital improvement schedule complete?</p>	6, 9, 10, and 12	<p>SCWA supports the original language and opposes this new language as impractical.</p>	High
<p>Reasonable Use Focus</p>						

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<u>811</u>	Meet 20% by 2020 statewide water conservation targets by December 31, 2020.		Water conservation measured in gallons per capita day as defined by the Water Conservation Act of 2009 and DWR guidance methodologies. Use UWMP's to measure progress.	7, 9, and 12	Suggest deciding whether non-UWMP municipalities would also like to adopt a GPCD water use target.	Medium
<u>912</u>	Increase adoption of locally cost effective agricultural best management practices (BMPs) throughout the planning period.	<u>Number of training workshops held.</u>	Compliance with SBX7-7. Number of required Efficient Water Management Practices (EWMPs) adopted and number of optional EWMPs adopted.	<u>2, 4, 6, 7, 8, 9, and 12</u>	<u>Is data available re: current use of BMP's?</u>	High
Recreation Focus						
<u>1013</u>	Maintain and increase water-related recreational opportunities within the region <u>by 25% by December 31, 2035 throughout the planning period.</u>	<u>Qualitative measurement only.</u>	<u>Describe maintenance activities performed annually.</u> <u>Describe additional or enhanced water-related recreational opportunities provided annually.</u>	5 and 12		Medium

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Risk Management Focus						
<u>1114</u>	Provide adequate flood protection for all urban and rural areas within the region by December 31, 2050.		<u>Change in calculated level of flood protection.</u> Targets: Provide flood protection consistent with the Central Valley Flood Protection Plan; for urban and urbanizing areas meet the urban level of flood protection; for other developed areas meet the FEMA standard of flood protection; for rural areas provide the level of protection warranted for the assets subject to damage.	4, 10, and 12		High
<u>15</u>	<u>Manage watershed activities and conditions to reduce the risk of large erosion events that could increase undesirable sediment loading to water</u>		<u>Number of large erosion events documented each year.</u> <u>Estimates of total sediment loads to specific water bodies caused by large erosion</u>	<u>5, 6, 7, and 10</u>		

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	<u>bodies throughout the planning period.</u>		<u>events.</u>			

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Understand Watershed Function Focus						
13 16	Understand-Monitor the local impacts from planning of state and federal water related projects and programs in the Delta and estimate potential local impacts throughout the planning period, by December 31, 2020.	Scientific information and studies available that characterize potential impacts to region. Active participation and engagement in specifically identified State and Federal water resources planning and projects.		3 and 11	Difficult to predict future pumping restrictions; Potential State and Federal projects in early planning stages now.	Medium
14 17	Monitor conditions and improve understanding to support sustainable use of groundwater basins within the Region as an important part of the Region's water supply throughout the planning period.	Information to understand and predict status of aquifer functions over the long-term; Understand opportunities to improve regional water supply portfolio through conjunctive management.		2 -3, 6, 9, 11, and 12		High

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1518	Maintain and enhance monitoring network and information sharing to support management of watersheds and natural resources within the region throughout the planning period.	Availability of important information; ease of access <u>to data and information</u> across agency boundaries.		2, 3, 6, 9, 10, 11, and 12		High
Water Quality Focus						
1619	Address pollutant sources in order to meet the targets as described in specific TMDL's within the region throughout the planning period.		Actions taken and targets met that are identified in specific TMDL's within the region.	4, 5, 6, and 8	<u>Can we set a meaningful objective (or sub-objective) to be completed sooner?</u>	High
1920	Minimize accidental spillage/discharges of wastewater <u>by public entities</u> to receiving waters <u>by December 31, 2020</u> throughout the planning period.		Number of spills reported per year; <u>gallons volume</u> of wastewater spilled <u>that reached receiving waters</u> . <u>Target: Less than 5% spills by volume per year.</u>	4, 5, 6, 8, and 12	<u>Do we want to get to 0 spills per year? Or, is there some other threshold that is more appropriate?</u>	Medium

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<u>2021</u>	Reduce public health risks by reducing contaminants of concern in drinking water sources throughout the planning period.		Improvements in source water quality; cost savings for meeting quality standards for drinking water at point of delivery; reductions in concentration of constituents of concern in drinking water at point of delivery.	3, 6, and 9, and <u>12</u>		High
<u>2122</u>	Meet all drinking water, wastewater discharge, and runoff standards within the region throughout the planning period.		Compliance with all relevant quality standards.	4, 5, 6, 8, and <u>612</u>		High

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Water Supply Focus						
<u>2223</u>	Provide 100% reliability of municipal and industrial (M&I) water supplies of appropriate quality to meet forecasted demands within the region throughout the planning period.		Number of days M&I water suppliers invoke drought ordinances and number of days rationing is required. {Target: =0 days per year.}	1, 6, 9 and 12	This can include a variety of approaches such as increased supplies, conjunctive management, water transfers, long-term demand management, etc.	High
<u>2324</u>	Provide agricultural water supplies of appropriate quality to meet forecasted demands support a robust agricultural industry within the region throughout the planning period.	<u>Changes in agricultural outputs within the region over time.</u>	Number of acres of irrigated land fallowed each year due to lack of suitable water supply. Target: within Solano County = 100% reliability of meeting <u>Meet</u> forecasted demands [kwk1] for agricultural water supply <u>within Solano County with 100% reliability.</u> <u>Do we want to set other targets?</u>	1, 6, 9, and 12	<u>Can we track number of acres of irrigated land fallowed due to lack of water supply? This approach does not consider questions of economic viability. We do not have precise forecasts for demand for agricultural water supply.</u>	High



Notes:

1. If it becomes not practical to satisfy any of the objectives on a region-wide basis, work to satisfy the objectives may proceed at a sub-regional level.