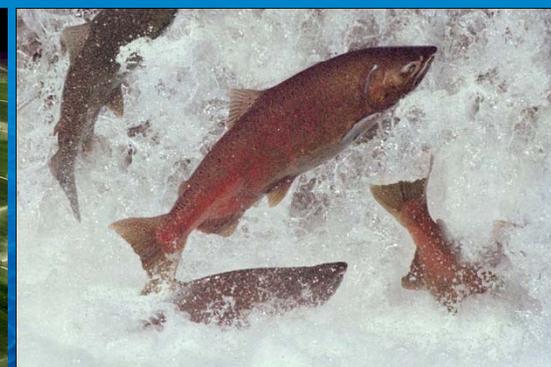




Planned Content of Update 2013

*Prepared for:
California Water Plan Update 2013 Public Advisory Committee*



*Prepared by:
Multi-Agency Water Plan Update Team*

November 9, 2010

Water Plan Update 2013

Content Overview

FOUNDATIONAL COMPONENTS – Elements carried over from Update 2009

ENHANCEMENTS – New components or concepts for Update 2013

COMPLETING THE WORK – Project Management Tools



Indicates corresponding workbook page

Water Plan Update 2013

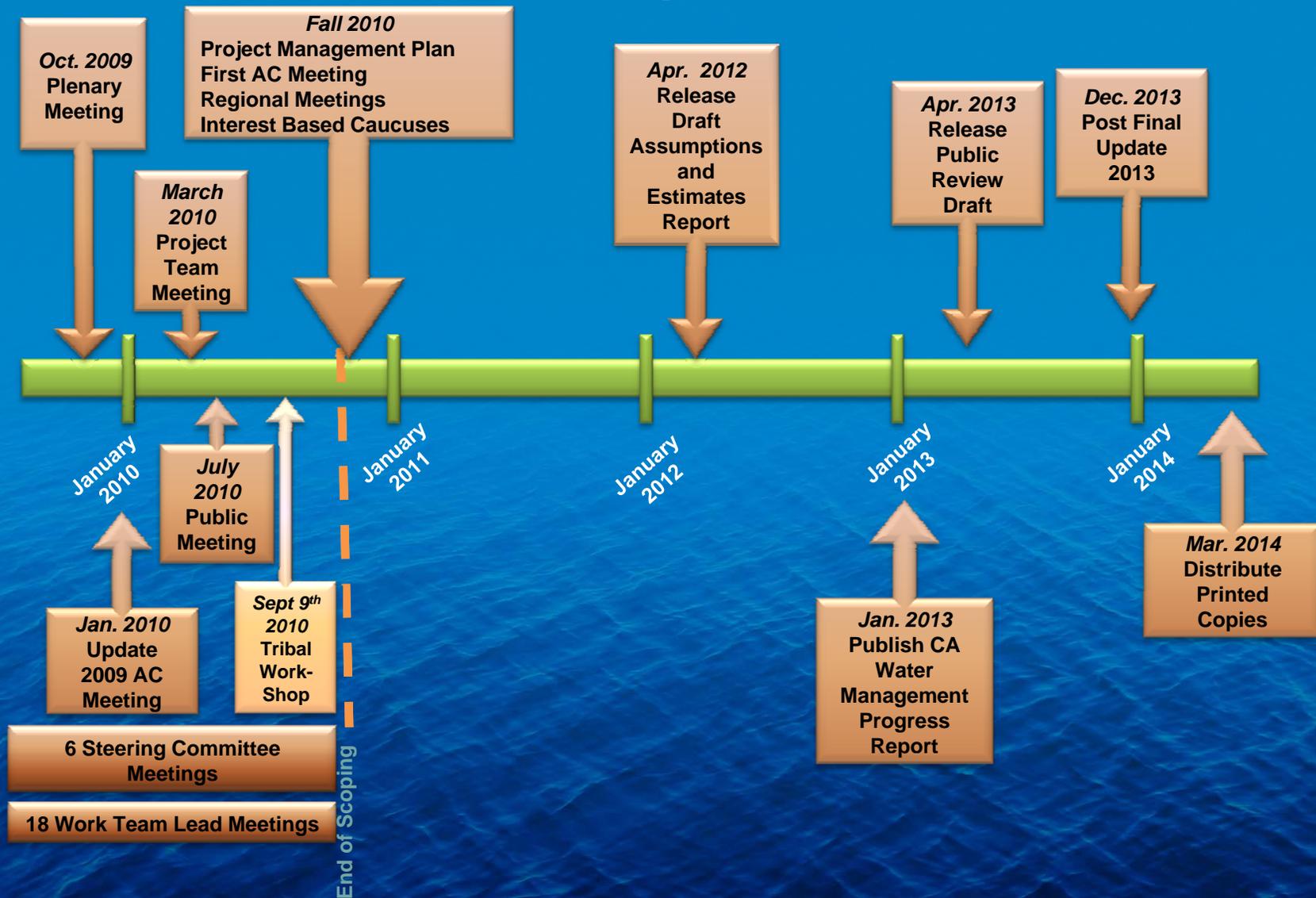
Scoping Process

Scoping Coordination and Considerations

- Plenary meeting (*October 2009*)
- Update 2009 Advisory Committee Meeting (*January 2010*)
- Five Steering Committee meetings
- Water Plan Project Team meeting (*March 2010*)
- Twelve Work Team Lead Meetings
- “Parking Lot” of issues carried over from Update 2005 process
- Tribal Water Summit proceedings
- Update 2009 Steering Committee *Issues and Initiatives Summary*
- Current scope of Water Plan Update process
- Feasibility within Update 2013
- July 7th Public Meeting

Water Plan Update 2013

Timeline and Major Deliverables



Water Plan Update 2013

Improvement Themes



Foundational Components

Foundational Component – An Update 2009 feature with sufficient value to retain for Update 2013.

Content*

- Strategic Plan
- Water Balances and Portfolios
- Regional Reports
- Future Scenarios
- Resource Management Strategies
- Companion State Plans
- Reference Guide
- Technical Guide
- Assumptions and Estimates Report

Process

- Public Advisory Committee
- State Steering Committee
- Regional Outreach and Coordination
- Work Team Matrix
- Tribal Outreach and Coordination
- Statewide Water Analysis Network
- Plenary Meetings

**This Agenda Item*



Water Plan Update 2013

Strategic Plan

Purpose:

Characterize stakeholder goals, vision and objectives for resource management in California

Planned Expansion:

- (1) Continue to see stakeholder convergence on a common strategic vision for inter-regional resource management issues
- (2) Expand engagement at the regional and local levels to properly characterize regional visions, preferred actions and implementation strategies



Water Plan Update 2013

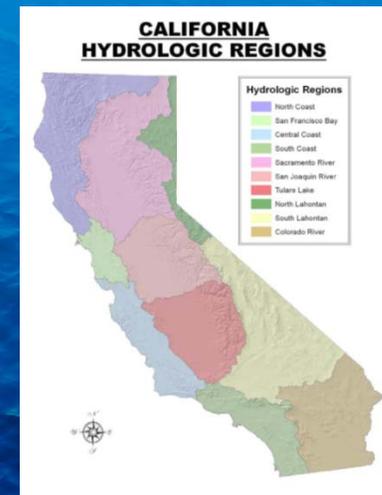
Regional Reports

Purpose:

- (1) Make regional reports more relevant to regions;
- (2) Support both regional and statewide resource management objectives/values

Planned Expansion:

Recommend implementation of resource management strategies with increased specificity and regional emphasis



Water Plan Update 2013

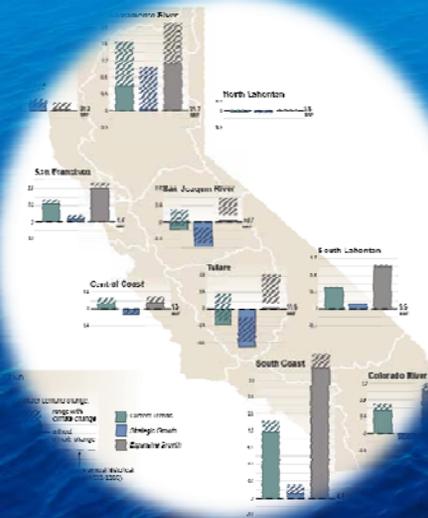
Future Scenarios

Purpose:

Maintain relevance and utility of estimates by accurately reflecting emerging conditions, assumptions and programs

Planned Expansion:

New themes, additional data and updated assumptions



Water Plan Update 2013

Resource Management Strategies

Purpose:

- (1) Make reported benefits additive across RMS'
- (2) Couple scenarios with response packages to assess trade-offs
- (3) Report trade-offs in terms of evaluation criteria

Planned Expansion:

Work through SWAN to implement Shared Vision Planning and analytical tool improvements to capture interrelationships of various RMS' and demand/supply relationships



Water Plan Update 2013

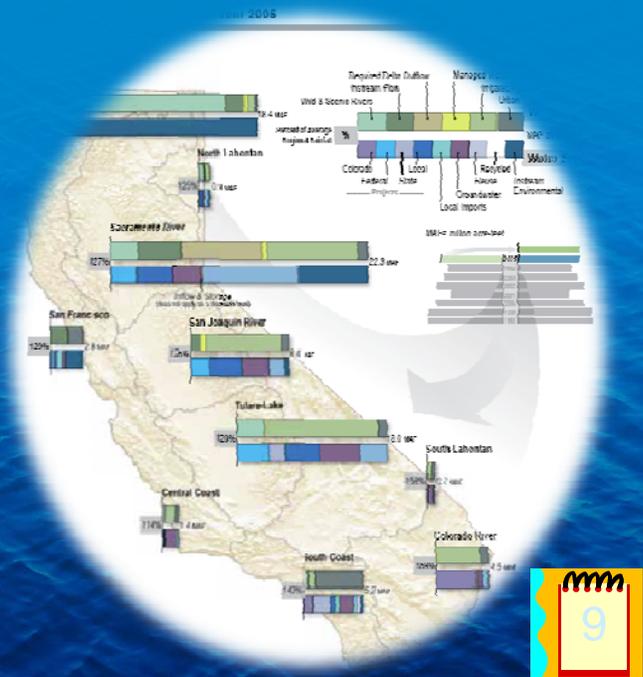
Water Balances and Portfolios

Purpose:

Ensure data (and metadata) timeliness and continuity

Planned Expansion:

Complete balances through 2010; maintain 3-year (maximum) lag time



Water Plan Update 2013

Companion State Plans

Purpose:

Increase consistency and efficiency among many State agencies and initiatives

Planned Expansion:

Expand Companion State Planning feature, potentially include additional federal, local and tribal plans as appropriate



Water Plan Update 2013

Reference and Technical Guides

Purpose:

Increase transparency through data sharing and source referencing

Planned Expansion:

Update and release Reference and Technical Guides with “drill down” features; potentially involving Water Planning Information Exchange (Water PIE)



Water Plan Update 2013

Additional *Planned Enhancements*



Water Plan Update 2013 Planned Enhancements

PROPOSED CONTENT ENHANCEMENTS FOR UPDATE 2013



Water Resources

- A. Expand water quality discussions
- B. Continue integration of flood and water planning
- C. Expand groundwater discussion
- D. Include near-coastal ecosystems and issues

Regional Planning

- E. Expand discussion on linkages between land use and water management
- F. Incorporate Urban Water Management Plans into regional reports and plans
- G. Create an Economic and Financial Planning work team



Collaboration

- H. Clarify and refine State leadership
- I. Increase and coordinate involvement of federal agencies
- J. Continue to work with Tribes and refine Tribal involvement

Data, Metrics and Analysis

- K. Improve data management and sharing
- L. Enhance inter-disciplinary collaboration of technical analysis
- M. Develop new evaluation metrics and sustainability indicators
- N. Develop California Water Management progress report



Adaptive Management

- O. Revisit concept of environmental water
- P. Implement a "Living Document" approach
- Q. Incorporate shorter planning horizon(s)
- R. Identify and remove outdated codes and laws

Instruction for worksheets on following pages:

Select three enhancements that are most important to you and answer the following:

1. What issues or considerations are most important for a particular enhancement?
2. What resources or references can inform a given enhancement?

YOU WILL HAVE ____ MINUTES TO COMPLETE THIS SECTION.



Planned Enhancements



Water Resources

- A. Expand water quality discussions
- B. Continue integration of flood and water planning
- C. Expand groundwater discussion
- D. Include near-coastal ecosystems and issues

Planned Enhancements



Regional Planning

- E. Expand discussion on linkages between land use and water management
- F. Incorporate Urban Water Management Plans into regional reports and plans
- G. Create an Economic and Financial Planning work team

Planned Enhancements



Collaboration

- H. Clarify and refine State leadership
- I. Increase and coordinate involvement of federal agencies
- J. Continue to work with Tribes and refine Tribal involvement

Planned Enhancements



Data, Metrics and Analysis

K. Improve data management and sharing

L. Enhance inter-disciplinary collaboration of technical analysis

M. Develop new evaluation metrics and sustainability indicators

N. Develop California Water Management progress report

Planned Enhancements



Adaptive Management

- O. Revisit concept of environmental water
- P. Implement a “Living Document” approach
- Q. Incorporate shorter planning horizon(s)
- R. Identify and remove outdated codes and laws

Water Plan Update 2013

Enhancement Incorporation Process

- 
- Compile and Articulate Planned Enhancements
 - State Agency Steering Committee Review
 - Update 2009 Public Advisory Committee Review
 - Enhancement Refinement/Elaboration
 - Project Team Meeting
 - Public Meeting
 - Update 2013 Public and Tribal Advisory Committee Meetings

***Update 2013 Project Management Plan
January 2011***

Group Discussion

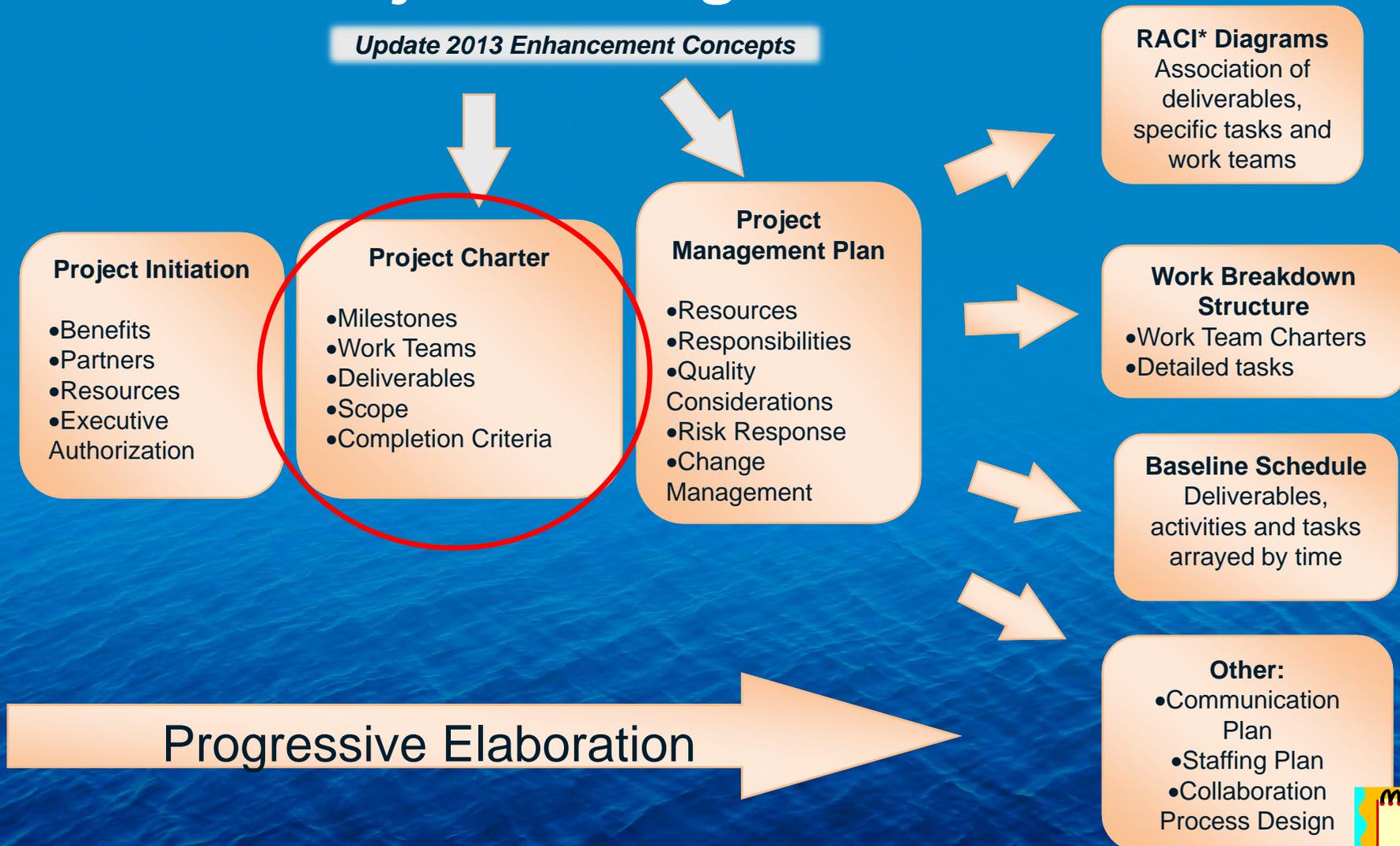
See Workbook

California Water Plan Update 2013

Completing the Work

Completing the Work Project Management Plan

Update 2013 Enhancement Concepts



* Tool for assigning **R**esponsibility, **A**ccountability, **C**onsultation and **I**nformation Roles



Accessing Deliverable and Activity Charters

<http://www.waterplan.water.ca.gov/cwpu2013/workteams/index.cfm>

Update 2013 Work Teams and Coordinators - Windows Internet Explorer

http://www.waterplan.water.ca.gov/cwpu2013/workteams/index.cfm

File Edit View Favorites Tools Help

Update 2013 Work Teams and Coordinators

DWR Home
Water Plan Home
Alphabetical Index

* Products:
Update 2009
Update 2005
Previous Reports
Brochures & Briefings
Water PIE (Data sites)

* Subjects:
Analytical Tools
Climate Change
Management Strategies
Regional Reports
Scenarios
Water Quality

* Participation:
Calendar and Materials
Steering Committee
Advisory Committee
Administrative Corner
Regional Outreach
SWAN
Tribal Communication
Contacts and Comments

DEPARTMENT OF WATER RESOURCES
PLANNING AND LOCAL ASSISTANCE

California Water Plan

Home > Update 2013 Work Teams and Coordinators > **Draft Charters**

Update 2013 Work Team Leads and Lead Coordinators

Team/ Subject Matter	Project Management Plan Chartered Activities	Team Lead/ Coordinator	Co-Lead/ Coordinator
Analytical Tools and Data	Future Scenarios	Rich Jurichich	Abdul Khan
CA Water Management Progress Reporting	Progress Report	Paul Massera	Megan Fidell
Climate Change Adaption		Megan Fidell (Technical)	Elissa Lynn (Policy)
Drought Planning		Megan Fidell	Lew Moeller
Facilitation and Logistics		Lisa Beutler	Judie Talbot
Economics and Finance	Finance Plan	Ray Hoagland (Economics)	Paul Massera (Finance)
Ecosystem Planning	Ecosystem Restoration Strategy (Ecosystem Goods and Services)	Michael Perrone	Emily Alejandrino
Groundwater	Groundwater Enhancement	Abdul Khan	Dan McManus

Done, but with errors on page.

start Update 2013 Work T... Microsoft PowerPoint ... Internet 100% 2:17 PM

Project Charters for Key Deliverables and Activities

Project Charter (Version 1)

Date: 10/14/2010

Project Name: *Write out the entire, specific name.*

Groundwater Enhancement - Expand information about groundwater conditions in the California Water Plan Update 2013

Sponsor/Program Manager Paul Massera

Project Manager Abdul Khan

Project Objective Statement: *What must the project do? By When? Keep this statement to 25 words or less. Make it SMART (Specific, Measurable, Achievable, Relevant, and Time-based).*

Better inform groundwater management actions and policies through improved data and analysis.

Triple Constraint Trade-off

Resources	S	<i>Select a different flexibility letter for each constraint N= Not Flexible S= Somewhat Flexible M= Most Flexible</i>
Schedule	N	
Scope	M	

Estimated Start Date: 7/1/2010 **Estimated End Date:** 9/1/2013

Project Deliverables: *What is the project going to produce? Create a list of tangible products that will result from project.*

- Integration of groundwater information from various State planning activities to compile and organize information about California's groundwater conditions including water level contour maps.
- A narrative discussion on groundwater conditions and management activities in each Regional Report as well as a statewide assessment with some site specific examples, indicating groundwater problem areas.
- Data gaps for the State's groundwater basins.
- Quantification and report on change in groundwater storage for planning areas/groundwater basins.
- Case Studies for selected groundwater basins to illustrate locally beneficial, regional resources management strategies.
- Identification and inventory of opportunities for conjunctive management of groundwater and other supplies.
- Identification and inventory of opportunities for groundwater banking and integrated flood management.
- Preliminary sustainability indicators for both groundwater quantity and quality.

Strategic Fit: *What is the Strategic Initiative Identifier for this project?*

- Supports Water Supply and Balance Team in their work.
- Supports California's Groundwater (Bulletin 118).
- Supports resource management strategies such as conjunctive management and groundwater storage, groundwater and aquifer remediation, recharge areas protection, and flood risk management.
- Supports recommendations of the California Water Plan Update 2009.

Customer: *Who are you doing the project for?*

- Department of Water Resources for support of DWR programs and projects.
- Local and regional water planning entities for consideration of locally beneficial resource management strategies.
- California Legislature to meet Water Code requirements.
- General public for education on groundwater water quantity and quality issues.

Customer Benefits: *What customer requirements does this project address? Relate these to: increase revenue, avoid costs, improve service, and/or comply with a mandate? Create a short list of customer benefits.*

- Provides in a single document, groundwater related information from different State initiatives.
- Furnishes the status of regional groundwater conditions, management activities, and problem areas to help identify data gaps to better inform future groundwater monitoring needs and activities.

Project Charter (Version 1)

Date: 10/14/2010

- Provides estimates of change in groundwater storage as a first step towards quantifying groundwater budget.
- Includes Case Studies to help illustrate locally beneficial, regional resources management strategies.
- Identifies opportunities for management strategies such as conjunctive management of groundwater and other supplies, and groundwater banking and integrated flood management.
- Provides assessment of groundwater sustainability from both quantity and quality perspectives.

Successful Completion Criteria: *How will the success of the project be determined from the customer's perspective? Make criteria measurable so there is no doubt as to the project's success. Create a short list.*

- Number of entities outside the Water Plan using groundwater information generated by the Water Plan.
- Number of water managers outside the Water Plan working with the Water Plan to improve the groundwater content.

Project Background: *What is the primary motivation for this project? Include a brief high level description of the business area, the current situation, the desired situation, and the gaps that exist. This summary builds on your description in the Project Initiation form.*

As part of the Water Plan Updates 2005 and 2009 processes, advisory committee members as well as other water stakeholders highlighted the need to have access to better information about California's groundwater conditions. For example, the 1-2 million acre-feet of annual groundwater overdraft that is mentioned in both Updates 2005 and 2009 have been questioned for lack of rigorous analysis and associated documentation. Water Plan Update 2009, as Update 2005, provided limited quantitative information about groundwater resources in the Water Portfolios developed as part of the Updates. Changes in groundwater storage estimates in Update 2009 do not adequately characterize actual storage conditions because these estimates reflect net groundwater uses for many areas of the state. As a result, there is a great need to improve our understanding and quantification of groundwater resources in California. Without reliable data and analysis on groundwater, the state's goal to better manage the resource will likely remain unattainable. In the absence of data and analysis, also ineffectual will be the state's goal of increasing conjunctive management of groundwater with other water supplies as part and parcel of Integrated Regional Water Management (IRWM) programs and projects.

Of note is that the most current update of California's Groundwater (Bulletin 118, published in 2003) provided only minimal quantitative information about California's groundwater conditions for the 10 different hydrologic regions of the state. Quantitative information was limited to basic well statistics, well yields, and supply well water quality. Because of resource and schedule constraints, there was no attempt to compile data in an adequate manner and conduct analysis to capture change in groundwater storage or furnish detailed groundwater budget for any of the groundwater basins or DWR planning areas.

Another issue of concern is how to address long-term sustainability of groundwater from a quantity and a quality perspective. The major impediment, again, is lack of data to undertake the appropriate analysis to assess sustainability of the resource through the development and on-going tracking of a set of relevant sustainability indicators.

Update 2013 will confront the issue of lack of groundwater data directly with the vision of achieving a set of short-term goals, while keeping in the view a broader set of long-term goals to be attained in future Water Plan Updates beyond 2013. The major short-term goals are: quantification of change in storage, identification of data gaps, integration of information among various State initiatives, and Case Studies to illustrate utility of groundwater information for local resource management. The most critical long-term goal is to develop groundwater budget for groundwater basins or planning areas.

Project Scope:

In Scope: *List areas and functionality included in project.*

- Integration of groundwater information from various State planning activities.
- Identification of data gaps for the State's groundwater basins.
- Quantification of change in groundwater storage for planning areas/groundwater basins.
- Case Studies for selected groundwater basins.

Out of Scope: *List areas and functionality not included in project.*

- Detailed groundwater budget for all groundwater basins/planning areas of the state.
- Detailed groundwater quality information.

Water Plan Update 2013

Content Schedule and Major Milestones

2010	2011	2012	2013	2014
<p>May 2010 Finalize Update 2013 Steering Committee Charter</p> <p>September 2010 Complete Project Management Plan</p> <p>October 2010 Form Update 2013 Advisory Committee</p>	<p>Spring - Summer 2011 Revise Project Management Plan per new administration</p>	<p>April 2012 Release Draft Assumptions and Estimates Report</p>	<p>January 2013 Publish CA Water Management Progress Report</p> <p>April 2013 Release Public Draft</p> <p>August 2013</p> <ul style="list-style-type: none"> • Final water portfolios • Finalize Resource Management Strategies • Complete Regional Reports <p>October 2013 Administrative Draft for Executive Review</p> <p>December 2013 Release Final CWP Update 2013 on Internet</p>	<p>March 2014 Distribute printed copies of Update 2013</p>
<p>Scoping</p>				
<p>Content Development</p>				
			<p>Refinement</p>	
				<p>Release</p>





Thank you

