

Pajaro River Watershed Integrated Regional Water Management Plan

Stakeholder Workshop No. 3 Project Integration and Prioritization

November 30, 2006



Meeting Agenda

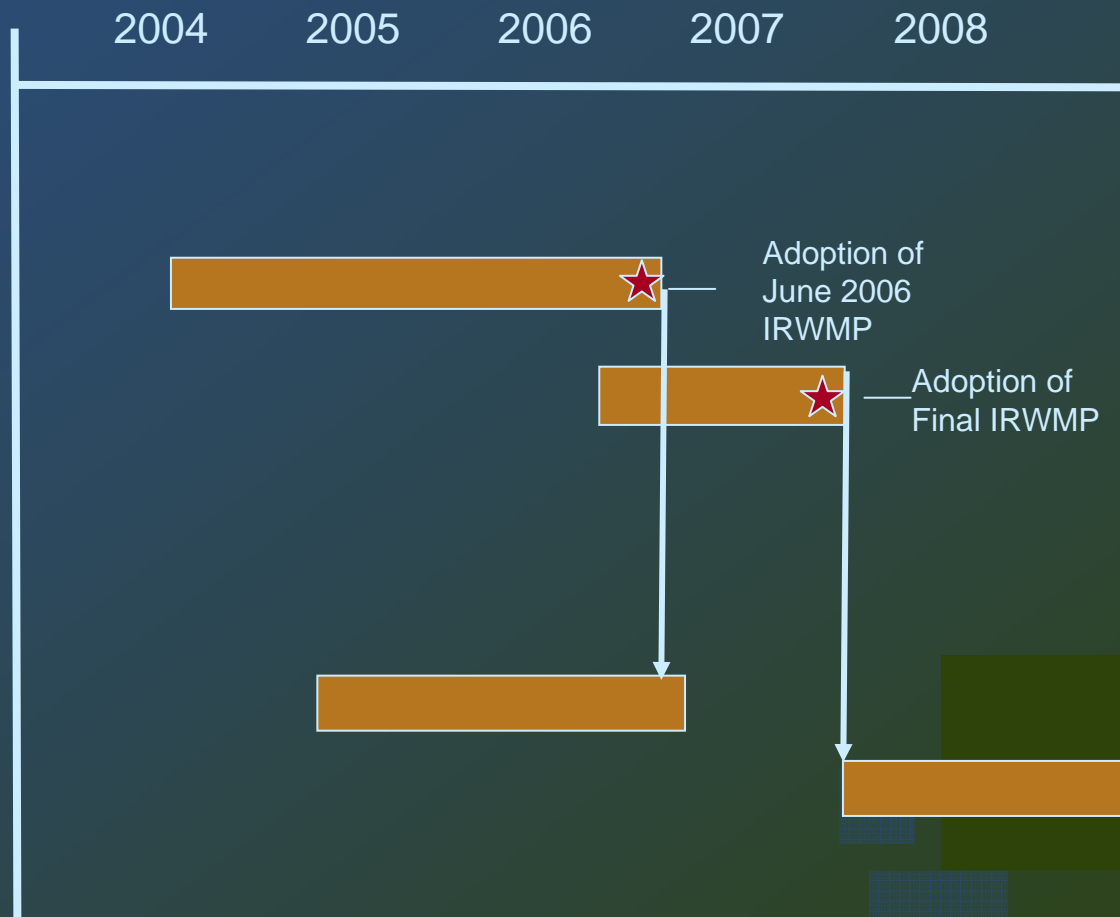
- Background on Integrated Regional Water Management Planning
- Implementation Grant Process
- Work Completed to Date
- Project Prioritization
- Recommendation Process

What is Integrated Regional Water Management Planning?

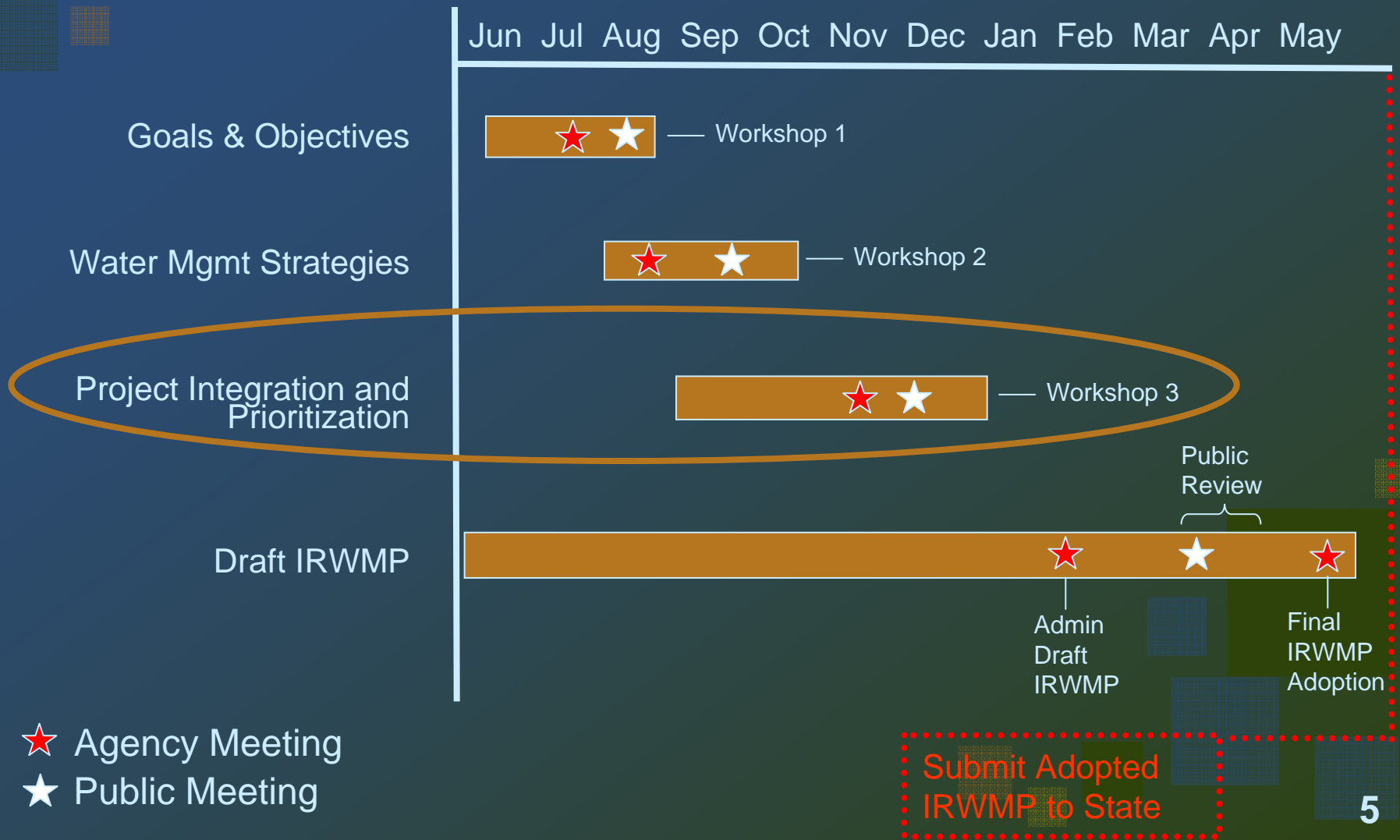
- Integration of regional water resources to satisfy regional water needs
- Framework for regional partnerships
- Process for meeting new State water management planning requirements
- Requirement for future state funding

Integrated Regional Water Management Grant Program

- Planning
 - Draft Plan
 - Final Plan
- Implementation
 - Round 1
 - Round 2



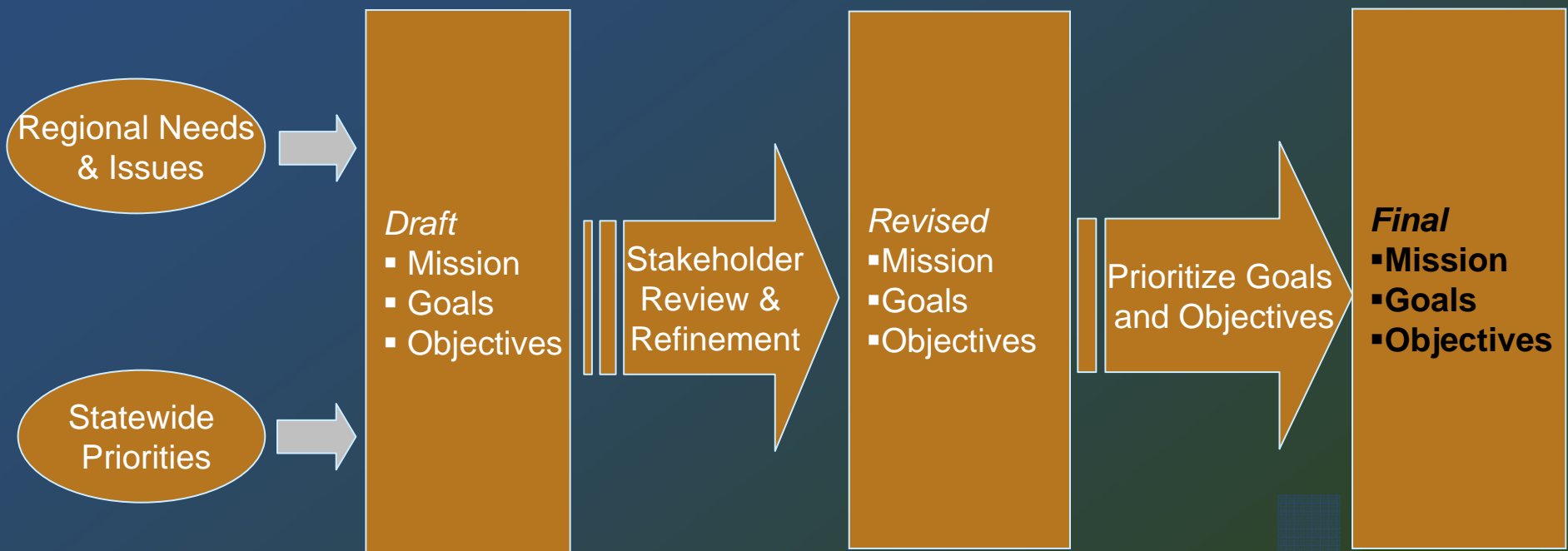
The May 2007 IRWMP will be an Enhancement of the June 2006 IRWMP



Prioritization of Projects based on Integrated Benefits

1. Prioritization and Weighting of Goals and Objectives
2. Scoring of Projects against Objectives
3. Development of Project Priorities (H,M,L)

Prioritization of the Goals and Objectives



Prioritized Goals

1. **Water Supply** – Improve regional water supply reliability, reduce dependence on imported water, and protect watershed communities from drought with a focus on interagency conjunctive use of regional water resources.
2. **Water Quality** – Protect and improve water quality for beneficial uses consistent with regional community interests and the RWQCB basin plan through planning and implementation in cooperation with local and state agencies and regional stakeholders.

Prioritized Goals

3. **Flood Protection** – Ensure flood protection strategies are developed and implemented through a collaborative and watershed-wide approach and are designed to maximize opportunities for comprehensive management of water resources.
4. **Environmental Protection and Enhancement** – Work with the community and environmental stewards to preserve the environmental wealth and well-being of the Pajaro River watershed by identifying opportunities to restore and enhance natural resources of streams and watersheds when developing water supply, water quality, and flood protection strategies.

Prioritized Water Supply Objectives

1. Meet 100% of M&I and agriculture demands (both current and future conditions) in wet to dry years including the first year of a drought
2. Meet 85% M&I and 75% agriculture demands (both current and future conditions) in second and subsequent years of a drought
3. Provide a variety of water supply sources to meet demand
4. Optimize and sustain use of existing import surface water entitlements from the CVP San Felipe Division
5. Optimize the use of groundwater and aquifer storage

Prioritized Water Supply Objectives

6. Target recycled water use to make up 5% of total water use by 2010 and 10% of total water use by 2020
7. Implement water conservation programs for both M&I and agricultural uses consistent with the CVPIA
8. Protect existing appropriated surface water rights

Prioritized Water Quality Objectives

1. Meet or exceed all applicable groundwater, surface water, wastewater, and recycled water quality regulatory standards
2. Protect or improve the quality of water supply sources
3. Meet or exceed water quality targets established by stakeholders
4. Aid in meeting TMDLs established for the Pajaro River Watershed
5. Minimize impacts from stormwater through implementation of established Best Management Practices or other stormwater management projects

Prioritized Flood Protection Objectives

1. Implement flood protection projects throughout the watershed that provide multiple benefits
2. Reach consensus on the Pajaro River Flood Protection Project necessary to protect existing infrastructure and land uses from flooding and erosion from the 100-year event
3. Work with stakeholders to preserve existing flood attenuation by implementing land management strategies throughout the watershed

Prioritized Flood Protection Objectives

4. Develop approaches for adaptive management to minimize maintenance requirements and protect quality and availability of water while preserving ecologic and stream functions, and enhancing when appropriate
5. Provide community benefits beyond flood protection such as public access, open space, recreation, agriculture preservation and economic development

Prioritized Environmental Protection and Enhancement Objectives

1. Identify opportunities to enhance the local environment and protect, enhance, and/or restore natural resources, consistent with urban and agricultural land uses, when developing water management strategies
2. Minimize adverse effects on biological and cultural resources, including riparian habitats, habitats supporting sensitive plant or animal species and archaeological/historic sites when implementing strategies and projects

Prioritized Environmental Protection and Enhancement Objectives

3. Identify opportunities to protect, enhance, or restore habitat to support Monterey Bay marine life in conjunction with water supply, water quality or flood protection projects
4. Identify opportunities for open spaces, trails, parks along creeks and other recreational projects in the watershed that can be incorporated with water supply, water quality or flood protection projects, consistent with public use and property rights

Scoring of Projects against Objectives

- Projects were compared to the regional objectives using a matrix

	WS1	WS2	WS3	WS4	WS5	WS6	WS7	WS8	WQ1	WQ2	WQ3	WQ4	WQ5
Project A	✓	✓			✓	✓	✓						
Project B			✓							✓		✓	✓
Project C	✓	✓							✓	✓			
Project D				✓			✓	✓					

Scoring of Projects against Objectives

- Projects received points for each of the objectives that they helped to meet

	Total Possible Points for the Goal	Breakdown of Points for the Objectives with the Goal
Water Supply	48	17.7, 8.8, 5.9, 4.4, 3.5, 3.0, 2.5, 2.2
Water Quality	24	10.5, 5.3, 3.5, 3, 2.1
Flood Protection	16	7, 3.5, 2.3, 1.8, 1.4
Environmental Protection and Enhancement	12	5.8, 2.9, 1.9, 1.4

Scoring of Projects against Objectives

- Projects that are more integrated score higher

	WS1	WS2	WS3	WS4	WS5	WS6	WS7	WS8	WQ1	WQ2	WQ3	WQ4	WQ5
	17.7	8.8	5.9	4.4	3.5	3.0	2.5	2.2	10.5	5.3	3.5	3.0	2.1
Project A	✓ 17.7	✓ 8.8			✓ 3.5	✓ 3.0	✓ 2.5						
Project B			✓ 5.9							✓ 5.3		✓ 3.0	✓ 2.1
Project C	✓ 17.7	✓ 8.8							✓ 10.5	✓ 5.3			
Project D				✓ 4.4			✓ 3.0	✓ 2.2					

Development of Project Priorities

- High – Values in the 75th percentile or higher
- Medium – Values from the 25th percentile up to but not including the 75th percentile
- Low – Values below the 25th percentile

High Priority Projects

- Regional Mobile Lab
- Coastal Distribution System
- Watsonville Recycled Water Treatment Facility Project
- SCVWD Groundwater Recharge with CVP and local sources
- SBCWD Groundwater Demineralization
- SSCWD Groundwater Demineralization
- Hollister Groundwater Softening
- Groundwater and surface water blending

High Priority Projects

- South County Recycled Water Program
- North San Benito County Regional Recycled Water Project
- Sunnyslope Recycled Water Project
- Morgan Hill Wellhead Treatment
- Aromas Water District Wellhead Treatment
- Soap Lake Floodplain Preservation Project
- North Monterey County Desalination Project
- Pacheco Reservoir Reoperation
- Hernandez Reservoir Reoperation

High Priority Projects

- Import Pipeline Project
- Cienega Valley
- San Juan Basin Surface Drainage
- Pajaro River Watershed Study
- San Juan Bautista Surface Water Treatment Plant
- Mercy Springs
- Non-CVP water transfers and banking agreements

Development of Regional Programs

1. Identify High Priority Projects with Regional Opportunities
 - No Regional Opportunities at this Time
 - With Regional Opportunities outside the Scope of this IRWMP
 - With Regional Opportunities through this IRWMP
2. Categorize High Priority Projects into Regional Water Management Programs
3. Integrate Medium & Low Priority Projects where Appropriate
4. Enhance with Environmental Projects where Appropriate

Questions or Comments?

