



**Central Valley Flood Protection Plan
Climate Change Scope Definition Work Group
Meeting #2**

**Handout for Worksheet 4:
Existing Problems and Future Challenges from Meeting #1**

The following list of Problems and Challenges was developed during a brainstorming process in Meeting #1. Please review the information and the tentative category designations to formulate the Problem/Future Challenges statements in Worksheet #4. We will use this as a starting point for discussion in the exercise for Worksheet #4.

PROBLEMS	CHALLENGES	TENTATIVE CATEGORY DESIGNATIONS
<i>Infrastructure</i>		
Delta Levee Instability	Sea Level Rise	Flood system performance
River levee instability	Future growth	Flood system performance
Inadequate operations and maintenance for waterways – O&M standards are constraining and outdated	O&M with system perspective as well as specific to waterway and local system	System maintenance and repairs
No sustainable way to adopt infrastructure to changing conditions	Transition from a project-based perspective to system-based	Policy and institutional issues
<i>Policy and Governance</i>		
Level of protection designated	Changes in hydrology	Level of protection
Land use incursions	Increased flooding and loss of adaptability	Land use
Current land use planning		Land use
Uncoordinated agency policies and processes	Layers of ill-defined requirements at the local level	Policy and institutional issues
Patchwork of local authorities	Fragmentation of land users	Policy and institutional issues
Competition regarding water operations management (resources vs. other uses)	<ul style="list-style-type: none"> - Warmer water - Changes in timing and volume - Storage availability and requirements - In channel storage capacity and flood plain management 	Water supply and quality
Valley-wide floods vs. local responses	Gets worse	Flood system performance
Irreversible commitments and Decisions made now with	<ul style="list-style-type: none"> - Incorporate flexibility to adapt to challenges (factor 	Policy and institutional issues



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PROBLEMS	CHALLENGES	TENTATIVE CATEGORY DESIGNATIONS
uncertain future impacts	<ul style="list-style-type: none"> - in uncertainty) - Flexibility in investment and management decisions 	
Funding for flood management comes from development	Sustainable funding for flood management that is not response-driven, but more proactive	Policy and institutional issues
No mandate for agency coordination	<ul style="list-style-type: none"> - AB 857 – integrated state decision making. Developing a standard - Develop collaborative process for implementing meaningful flood management policy 	Policy and institutional issues
Inadequate flood management policy (not integrated)	Develop multi-objective based management	Policy and institutional issues
No state agency (oversight) to govern land use decisions (i.e. Jones Bill)		Policy and institutional issues
<i>Ecosystem Services</i>		
Declining health of riparian habitats	<ul style="list-style-type: none"> - Ecosystem services will diminish - Gradual reduction of resiliency: how to plan 	Habitat quality, quantity, and connectivity
Stresses on agriculture resources	Declining agriculture production	Water supply and quality
Disconnected/fragmented habitat	Find ways to incorporate it into floodplain management	Habitat quality, quantity, and connectivity
Competition regarding water operations management (resources vs. other uses)	<ul style="list-style-type: none"> - Warmer water - Changes in timing and volume - Storage availability and requirements - In channel storage capacity and flood plain management 	Water supply and quality