

Public Safety System Improvement Subcriteria Definitions			
Feature/Benefit	Low = 0	Medium = 5	High = 10
People and Property at Risk (Level of Protection)	Maintain or restore existing level of protection.	Increases existing level of protection.	Provides 200-year level of protection for urban areas, 100-year level of protection for nonurban areas, and/or restores rural areas to design capacity or equivalent.
Flood System Flexibility/Robustness	No change.	Incremental increase in system flexibility.	Significant increase in system flexibility.
Increased Hydraulic Capacity	Maintains existing hydraulic capacity.	Returns system to design capacity or equivalent.	Increases hydraulic capacity in system above design capacity.
Flood System Resiliency (Damage Reduction)	No change in potential damage.	Incremental reduction in potential damage.	Significant reduction in potential damage.
Asset Condition	No change or maintains capability.	Asset is repaired or enhanced to improve capabilities.	Asset is replaced to upgrade and modernize.
Wise Floodplain Management/Emergency Management (Improved Flood Fighting and Response, information and tools)	Supports existing levels of flood fighting capabilities in the area.	Enhances levels of flood fighting capabilities in the area (i.e., provides for additional manpower, materials, and improved coordination).	Modernizes flood fighting capabilities in the area (i.e., provides for new systems, equipment, monitoring, notification).
Subsidence	Results in no change in subsidence issue.	Results in incrementally addressing subsidence issue.	Results in significant reduction in subsidence or addressing subsidence issue.
Climate Change Adaptability	No changes are assumed for climate change.	Developed to provide an incremental increase in capacity.	Developed to include components to address climate change or significantly increase capacity.
<b>Total</b>			

Note: All values are based on percent compared to existing condition.

Environmental Stewardship System Improvement Subcriteria Definitions				
	Feature/Benefit	Low=0	Medium=5	High=10
Ecosystem Processes	Increased Flood Inundation - Sustained Spring Flows	Increase the total area of floodplain inundation during sustained spring flows (i.e., between March 15 and May 15 for fewer than 7 days) by a net increase of less than 5% compared to existing conditions.	Increase the total area of floodplain inundation during sustained spring flows (i.e., between March 15 and May 15 and for fewer than 7 days) by a net increase of between 5% and 50% compared to existing conditions.	Increase the total area of floodplain inundation during sustained spring flows (i.e., between March 15 and May 15 and for fewer than 7 days) by a net increase of greater than 50% compared to existing conditions.
	Increased Flood Inundation - 2-Year Flows	Increase the total area of floodplain inundation during 50 percent chance flows by a net increase of less than 10% compared to existing conditions.	Increase the total area of floodplain inundation during 50 percent chance flows by a net increase of between 10% and 50% compared to existing conditions.	Increase the total area of floodplain inundation during 50 percent chance flows by a net increase of greater than 50% compared to existing conditions.
	Increased Riverine Geomorphic Process - River Meander	Increase channel migration through a net increase of less than 1 acre of river meander potential.	Increase channel migration through a net increase of between 1 and 30 acres of river meander potential.	Increase channel migration through a net increase of more than 30 acres of river meander potential.
	Increased Riverine Geomorphic Process - Natural Bank	Increase the length of natural bank by a net increase of less than 10% compared to existing conditions.	Increase the length of natural bank by a net increase of between 10% and 50% compared to existing conditions.	Increase the length of natural bank by a net increase of greater than 50% compared to existing conditions.
Habitats	Extension and Continuity of SRA Coverage	Increase the extent of SRA cover by a net increase of less than 10% compared to existing conditions.	Increase the extent of SRA cover by a net increase of between 10% and 50% compared to existing conditions.	Increase the extent of SRA cover by a net increase of greater than 50% compared to existing conditions.
	Riparian Habitat Coverage	Increase the quantity of native riparian vegetation by less than 10% compared to existing conditions.	Increase the quantity of native riparian vegetation by a net increase of between 10% and 50% compared to existing conditions.	Increase the quantity of native riparian vegetation by a net increase of greater than 50% compared to existing conditions.
	Riparian Habitat Connectivity	Median riparian vegetation patch size increases by less than 10% compared to existing conditions.	Median riparian vegetation patch size increases by a net increase of between 10% and 50% compared to existing conditions.	Median riparian vegetation patch size increases by a net increase of greater than 50% compared to existing conditions.
	Marsh Habitat Coverage	Increase the quantity of native marsh/wetland vegetation by less than 10% compared to existing conditions.	Increase the quantity of native marsh/wetland vegetation by a net increase of between 10% and 50% compared to existing conditions.	Increase the quantity of native marsh/wetland vegetation by a net increase of greater than 50% compared to existing conditions.
	Floodplain Agriculture	Increase the quantity of wildlife-friendly floodplain agriculture by less than 10% compared to existing conditions.	Increase the quantity of wildlife-friendly floodplain agriculture by a net increase of between 10% and 50% compared to existing conditions.	Increase the quantity of wildlife-friendly floodplain agriculture by a net increase of greater than 50% compared to existing conditions.
Species	Improved Conditions for Threatened and Endangered Target Species - Aquatic (Steelhead, Chinook Fall Run, Chinook Spring Run, Sturgeon)	Minor improvements to critical habitat for identified aquatic T&E species for the San Joaquin Basin.	Moderate improvements to critical habitat for identified aquatic T&E species for the San Joaquin Basin.	Significant improvements to critical habitat for identified aquatic T&E species for the San Joaquin Basin.
	Improved Conditions for Threatened and Endangered Target Species - Wetlands and Seasonally-Flooded (Delta Button Celery, Slough Thistle, GGS, CA Black Rail, Greater Sandhill Crane)	Minor improvements to critical habitat for identified aquatic T&E species for the San Joaquin Basin.	Moderate improvements to critical habitat for identified aquatic T&E species for the San Joaquin Basin.	Significant improvements to critical habitat for identified aquatic T&E species for the San Joaquin Basin.
	Improved Conditions for Threatened and Endangered Target Species - Riparian (VELB, Bank Swallow, Least Bell's Vireo, Swainson's Hawk, Yellow Billed Cuckoo, Brush Rabbit, Riparian Woodrat)	Minor improvements to critical habitat for identified aquatic T&E species for the San Joaquin Basin.	Moderate improvements to critical habitat for identified aquatic T&E species for the San Joaquin Basin.	Significant improvements to critical habitat for identified aquatic T&E species for the San Joaquin Basin.

Environmental Stewardship System Improvement Subcriteria Definitions				
	Feature/Benefit	Low=0	Medium=5	High=10
Stressors	Improved Fish Passage	No change to fish passage.	New facility that improves or incorporates fish passage.	Implement solution for barrier(s) needing remediation at one SPFC facility.
	Invasive Plant Management and Prevention	Reduce by less than 10% the area of vegetation dominated by invasive plants on DWR-managed land by integrating Best Management Practices (BMPs) into maintenance practices and implementing invasive plant management actions.	Reduce between 10% and 50% the area of vegetation dominated by invasive plants on DWR-managed land by integrating BMPs into maintenance practices and implementing invasive plant management actions.	Reduce by more than 50% the area of vegetation dominated by invasive plants on DWR-managed land by integrating BMPs into maintenance practices and implementing invasive plant management actions.
	Revetment Removal or Improvement	Remove or improve revetment along channel bank to increase river meander potential and natural bank by less than 10% compared to existing length of revetment.	Remove or improve revetment along channel bank to increase river meander potential and natural bank between 10% and 50% compared to existing length of revetment.	Remove or improve revetment along channel bank to increase river meander potential and natural bank by greater than 50% compared to existing length of revetment.
	Levee Relocation or Removal	Remove or relocate levees by less than 10% compared to existing length of levees.	Remove or relocate levees between 10% and 50% compared to existing length of levees.	Remove or relocate levees by greater than 50% compared to existing length of levees.
<b>Total</b>				

Note: All values are based on percent compared to existing condition

<b>Economic Stability System improvement Subcriteria Definitions</b>			
<b>Feature/Benefit</b>	<b>Low = 0</b>	<b>Medium = 5</b>	<b>High = 10</b>
Compliance with PL 84-99	No change in PL 84-99 compliance.	Partially addresses PL 84-99 compliance.	Addresses PL 84-99 compliance.
Reduced Liability	No change in liability.	Incremental reduction in liability.	System improvement reduces liability by meeting State or Federal legislative requirements, compliance with court decisions, and improves system beyond existing standards.
Protect Critical Infrastructure or Resource	No change in protection of critical infrastructure.	The system improvement protects at least one piece of critical infrastructure (i.e., hospital, school., major highway or evacuation routes).	The system improvement protects more than one piece of critical infrastructure (i.e., hospital, school., major highway or evacuation routes).
Protection of Farmlands of Statewide Significance	No change in protection of farmland of local or Statewide significance.	Provides incremental protection to the acreage of farmland of local or Statewide significance.	Protects significant acreage of farmland of local or Statewide significance.
Groundwater Recharge	Provides no water recharge benefits.	Provides Incremental water recharge benefits.	Provides significant water recharge benefits.
Improved O&M	No change in O&M cost per mile.	Provides incremental reduction in O&M costs per mile.	Significantly reduces O&M costs per mile.
Agency Funding	No change in agency revenue base.	Incremental increases in agency revenue base.	Significantly increases in agency revenue base.
IWM System improvement (Multibenefit)	Single-purpose system improvement.	Multiple purposes <u>or</u> sponsors system improvement.	System improvement has multiple sponsors <u>and</u> multiple purposes.
<b>Total</b>			

Note: All values are based on comparison to existing condition.

Regional Issues System improvement Subcriteria Definitions			
Feature/Benefit	Low = 0	Medium = 5	High = 10
Within the SPFC Boundaries	Outside SPFC boundary and does not protect areas within SPFC boundary.	Outside SPFC boundary but protect areas within SPFC boundary.	Inside SPFC boundary and protects areas within SPFC boundary.
Services or Protects Small Communities or DAC	Either not a DAC or system improvement maintains existing level of flood protection for small communities or DAC.	Provides increased flood protection for small communities or DAC.	Provides increased flood protection for small communities or meets SB 5 requirements for DAC .
Provides Recreational Benefit	Results in no change in recreational benefit.	Results in incremental change in recreational benefits.	Results in recreational benefits.
Services or Protects Tribes	Either no tribal lands exist or system improvement does not change existing level of flood protection for tribes.	Increases level of flood protection to design capacity for tribes.	Provides increased flood protection for tribes.
Improved Governance	No change in governance.	Develops framework toward agreements and/or funding, coordination, or planning efforts.	Formalizes existing agreements and/or improves funding, coordination, or planning efforts.
Systemwide Benefits	No change in system benefits.	Only protects or provides benefit within USJR region.	Provides systemwide benefits.
SPFC Facility	Not an SPFC facility.	Provides benefit to a SPFC facility.	Provides benefits to more than one SPFC facility.
Compatibility with SJRRP	No benefit to SJRRP goals.	Compatible with at least one SJRRP goal.	Compatible with multiple SJRRP goals.
Public Awareness	No public awareness component.	Investment in new tools, datasets, or websites for information sharing.	Outreach component developed to increase public awareness of flood risk, emergency preparedness, and safety.
Self-Mitigating System improvement (Capital and O&M)	Needs mitigation credits.	Minimal to no mitigation is required.	Self-mitigating or provides mitigation credits.
<b>Total</b>			

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