

Watershed Resilience Project, Project Scoring, and Proposition 4



July 9, 2026

Watershed Resilience

- Proposition 4
- Report focused on Strategies and Actions
- Watershed Network
- Appendix F – Project Evaluation Scoring Sheet
- Improve Project Readiness

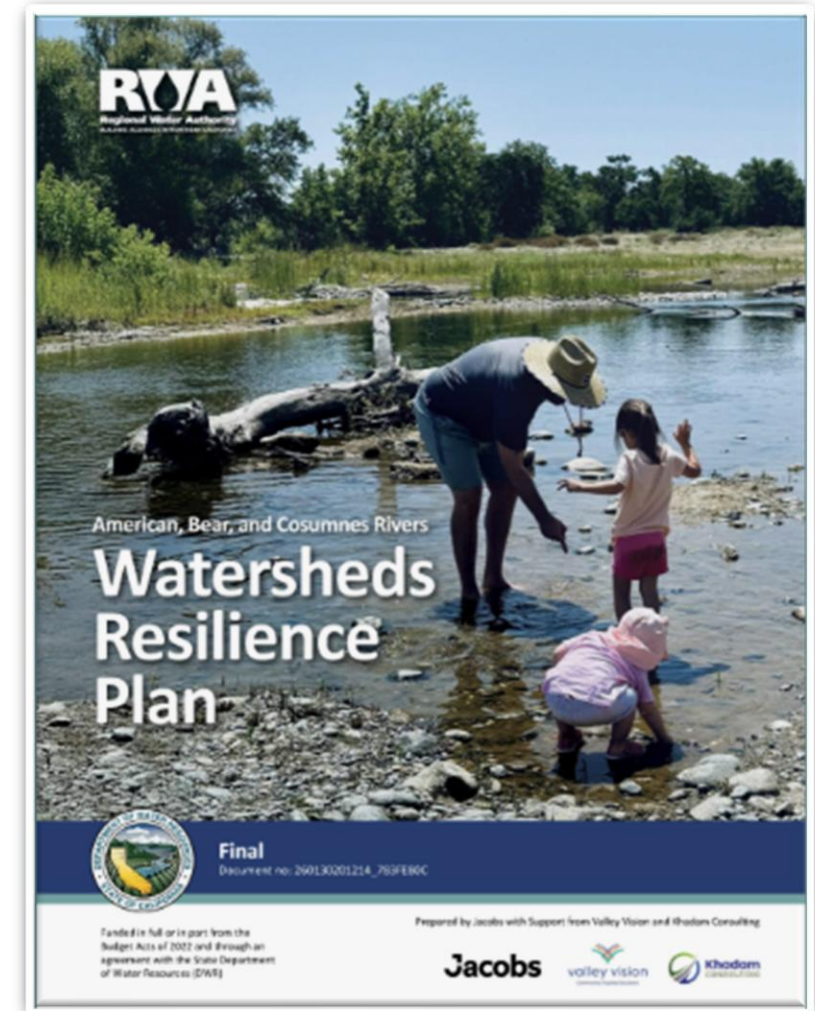
Table 8-1. Summary of Climate Adaptation Strategies and Associated Actions

ADAPTATION STRATEGIES	# ACTIONS	TYPE OF ACTION
1 - Secure Surface Water Supply Entitlements	5	■ ■ ■ ■ ■
2 - Continue and Expand Demand Management	8	■ ■ ■ ■ ■ ■ ■ ■
3 - Implement Sustainable Groundwater Management	11	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
4 - Increase Water Reuse	3	■ ■ ■
5 - Secure Drinking Water Infrastructure	8	■ ■ ■ ■ ■ ■ ■ ■
6 - Manage Stormwater as a Resource	5	■ ■ ■ ■ ■
7 - Improve Drought Preparedness and Response	4	■ ■ ■ ■
8 - Ensure All Residents Have Access to Clean and Affordable Water	3	■ ■ ■
9.1 - Develop Data and Tools for Improved Watershed Understanding, Knowledge Sharing, and Transparency	9	■ ■ ■ ■ ■ ■ ■ ■ ■
9.2 - Implement Sustainable Forest Management	6	■ ■ ■ ■ ■ ■
9.3 - Implement Multi-benefit Watershed Protection and Restoration Projects	9	■ ■ ■ ■ ■ ■ ■ ■ ■
9.4 - Enhance Environmental Flows and Aquatic Habitat Resilience	6	■ ■ ■ ■ ■ ■
10 - Prevent Contamination of Surface Water and Groundwater Resources	9	■ ■ ■ ■ ■ ■ ■ ■ ■
11 - Reduce the Risk of Flooding in Communities	13	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
12 - Promote Fire-Adapted Communities	11	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
13 - Increase Community Capacity for Sustainable Management and Resilience to Major Disasters	7	■ ■ ■ ■ ■ ■ ■
14 - Preserve and Enhance Access to Open Space and Support Sustainable Recreation	2	■ ■
15 - Preserve and Optimize Reservoir and River System Operations	7	■ ■ ■ ■ ■ ■ ■
16 - Enhance and Streamline Policies, Regulations, and Funding for Resilient Watershed Management	5	■ ■ ■ ■ ■

■ = Planning and Strategy
■ = Coordination and Collaboration
■ = Implementation and Operations
■ = Science and Data
■ = Policy and Institutional

Scoring Sheet

- Weighted Scoring Sheet Categories
 - Climate Hazard Sensitivity
 - Ecological Capacity
 - Socioeconomic Capacity
 - Built Infrastructure Capacity
 - Implementation Readiness
 - Funding Alignment and Equity
 - Adaption Action Alignment
 - Community and Institutional Support



Scoring Sheet

Standard Scoring Scale	Score
Does not address the criterion	0
Indirect, minor, or uncertain contribution	1
Clear, moderate contribution	2
Strong, direct, and well-documented contribution	3

How to Use

- Each criterion is scored 0–3 based on documented evidence.
- Criteria can be weighted depending on funding source or decision context.
- Scores support comparative prioritization, not permanent ranking.

Scoring Sheet

American, Bear, and Cosumnes Watersheds Resilience Plan Project Screening & Prioritization Scoring Matrix

Standard Scoring Scale	Score
Does not address the criterion	0
Indirect, minor, or uncertain contribution	1
Clear, moderate contribution	2
Strong, direct, and well-documented contribution	3

How to Use

- Each criterion is scored 0 to 3 based on documented evidence.
- Criteria can be weighted depending on funding source or decision context.
- Scores support comparative prioritization, not permanent ranking.

A. Climate Hazard Sensitivity Drivers Addressed (0 to 21 points)

Metric	Score (0 to 3)	Scoring Guidance
A1. Warming & extreme heat		Reduces heat exposure for people, ecosystems, or infrastructure
A2. Snowpack loss & declining water availability		Improves reliability under reduced snowpack/runoff
A3. Shift from snow to rain & runoff timing		Increases flexibility under altered timing
A4. Increased water demand		Reduces demand or diversifies supply
A5. Intense storms & flashier hydrographs		Reduces flood risk or improves storm response
A6. More frequent/severe droughts		Improves drought preparedness or recovery
A7. Increased wildfire risk		Reduces fire risk or post-fire watershed impacts
Subtotal A:	0	/ 21

B. Ecological Capacity Drivers Addressed (0 to 6 points)

Metric	Score (0 to 3)	Scoring Guidance
B1. Forest health		Improves resilience, reduces fire severity, supports hydrology
B2. Habitat & ecosystem function		Restores connectivity, flow, temperature, or biodiversity
Subtotal B:	0	/ 6

C. Socioeconomic Capacity Drivers Addressed (0 to 9 points)

Metric	Score (0 to 3)	Scoring Guidance
C1. Community & economic resilience		Protects essential services, livelihoods, or public health
C2. Upper watershed agricultural vulnerability		Improves water reliability or adaptive capacity
C3. Land use & development pressures		Reduces climate exposure tied to growth patterns
Subtotal C:	0	/ 9

D. Built Infrastructure Capacity Drivers Addressed (0 to 15 points)

Metric	Score (0 to 3)	Scoring Guidance
D1. Aging & fragile infrastructure		Reduces failure risk or improves reliability
D2. Folsom Reservoir operational constraints		Improves operational flexibility
D3. Limited reservoir storage capacity		Adds storage or functional substitutes
D4. Reservoir operational tradeoffs		Reduces flood/supply/ecosystem conflicts
D5. Levee system fragility		Improves flood protection or levee performance
Subtotal D:	0	/ 15

E. Implementation Readiness & Feasibility (0 to 12 points)

Metric	Score (0 to 3)	Scoring Guidance
E1. Technical feasibility		Proven or low-risk approach
E2. Permitting & regulatory readiness		Path identified; minimal barriers
E3. Institutional capacity		Lead agency and partners identified
E4. Schedule readiness		Can advance in near- or mid-term
Subtotal E:	0	/ 12

F. Funding Alignment & Equity (0 to 12 points)

Metric	Score (0 to 3)	Scoring Guidance
F1. Alignment with climate funding priorities		Matches state/federal criteria
F2. Equity & vulnerable community benefit		Benefits high-vulnerability areas
F3. Multi-benefit outcomes		Addresses multiple objectives
F4. Cost-effectiveness & scalability		Efficient and expandable
Subtotal F:	0	/ 12

G. Alignment with Adaptation Actions (0 to 9 points)

Metric	Score (0 to 3)	Scoring Guidance
G1. Direct linkage to adaptation actions		Explicitly implements one or more adopted adaptation actions
G2. Strength of strategic fit		Core project purpose advances adaptation intent (not incidental)
G3. Multi-action integration		Advances multiple adaptation actions or cross-sector strategies
Subtotal G:	0	/ 9

H. Community & Institutional Support (0 to 15 points)

Metric	Score (0 to 3)	Scoring Guidance
H1. Community support or benefit recognition		Clear local benefit; support expressed or anticipated
H2. Stakeholder engagement readiness		Engagement plan identified; key stakeholders engaged
H3. Multi-agency coordination		Requires and supports coordination across agencies/jurisdictions
H4. Partnership readiness		Partners identified; roles understood
H5. Leverages existing programs or investments	0	Builds on ongoing initiatives, infrastructure, or operations
Subtotal H:	0	/ 15

TOTAL SCORE SUMMARY

Category	Points
A. Climate Hazard Sensitivity	0 / 21
B. Ecological Capacity	0 / 6
C. Socioeconomic Capacity	0 / 9
D. Built Infrastructure Capacity	0 / 15
E. Implementation Readiness	0 / 12
F. Funding Alignment & Equity	0 / 12
G. Adaptation Action Alignment	0 / 9
H. Community & Institutional Support	0 / 15
TOTAL Score	0 / 99

Criteria Relative Weights

Category	Weights
A. Climate Hazard Sensitivity	1
B. Ecological Capacity	1
C. Socioeconomic Capacity	1
D. Built Infrastructure Capacity	1
E. Implementation Readiness	1
F. Funding Alignment & Equity	1
G. Adaptation Action Alignment	1
H. Community & Institutional Support	1
TOTAL Weights	8

TOTAL Weighted Score	0
Priority Tier	Not competitive at this time

Priority Tiers

Priority Classification	Total Score
High priority	80 to 99
Medium priority	60 to 79
Lower priority	40 to 59
Not competitive at this time	Less than 40

Scoring Sheet

Priority Tiers

Priority Classification	Total Score
High priority	70–99
Medium priority	50–69
Lower priority	30–49
Not competitive at this time	< 30

Scoring Sheet

For Demonstration Purposes only - Not actual scores

Weighted Project Evaluation Scores

ID	Project	A. Climate Hazard Sensitivity	B. Ecological Capacity	C. Socioeconomic Capacity	D. Built Infrastructure Capacity	E. Implementation Readiness	F. Funding Alignment & Equity	G. Adaptation Action Alignment	H. Community & Institutional Support	Total Weighed Scores	Priority Tier
1	Upper Watershed Forest Health Initiatives	52%	100%	56%	27%	58%	75%	89%	67%	65	Medium
2	Upper American River WUI Resilience Projects	52%	83%	78%	40%	58%	75%	89%	73%	69	Medium
3	American River Water Instrumentation Network (ARWIN)	19%	33%	33%	27%	75%	58%	78%	60%	48	Lower
4	Pilot Creek Watershed Restoration	48%	100%	44%	20%	50%	75%	89%	60%	61	Medium
5	Sacramento Regional Groundwater Bank	57%	50%	56%	67%	92%	83%	100%	87%	74	High
6	RiverArc Project	57%	50%	56%	67%	58%	75%	89%	73%	66	Medium
7	Water Forum Climate Adaptation Program & Workplan	81%	67%	67%	53%	83%	92%	100%	80%	78	High
8	Folsom Temperature Control Device	29%	83%	44%	53%	58%	58%	89%	60%	59	Medium
9	Forecast-Informed Reservoir Operations (FIRO)	52%	50%	67%	60%	67%	67%	89%	60%	64	Medium
10	Scotts Flat Spillway Replacement Project	38%	17%	67%	33%	83%	42%	56%	67%	50	Medium
11	GDPUD Reservoir Water Storage & Hydroelectric Project	71%	67%	100%	60%	75%	67%	89%	73%	75	High

Next Steps

- Guidelines?
- Watershed Network
- Members should think about how to make their projects more attractive to a grant maker
- Process to assign scores

Table 8-1. Summary of Climate Adaptation Strategies and Associated Actions

ADAPTATION STRATEGIES	# ACTIONS	TYPE OF ACTION
1 - Secure Surface Water Supply Entitlements	5	■ ■ ■ ■ ■
2 - Continue and Expand Demand Management	8	■ ■ ■ ■ ■ ■ ■ ■
3 - Implement Sustainable Groundwater Management	11	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
4 - Increase Water Reuse	3	■ ■ ■
5 - Secure Drinking Water Infrastructure	8	■ ■ ■ ■ ■ ■ ■ ■
6 - Manage Stormwater as a Resource	5	■ ■ ■ ■ ■
7 - Improve Drought Preparedness and Response	4	■ ■ ■ ■
8 - Ensure All Residents Have Access to Clean and Affordable Water	3	■ ■ ■
9.1 - Develop Data and Tools for Improved Watershed Understanding, Knowledge Sharing, and Transparency	9	■ ■ ■ ■ ■ ■ ■ ■ ■
9.2 - Implement Sustainable Forest Management	6	■ ■ ■ ■ ■ ■
9.3 - Implement Multi-benefit Watershed Protection and Restoration Projects	9	■ ■ ■ ■ ■ ■ ■ ■ ■
9.4 - Enhance Environmental Flows and Aquatic Habitat Resilience	6	■ ■ ■ ■ ■ ■
10 - Prevent Contamination of Surface Water and Groundwater Resources	9	■ ■ ■ ■ ■ ■ ■ ■ ■
11 - Reduce the Risk of Flooding in Communities	13	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
12 - Promote Fire-Adapted Communities	11	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
13 - Increase Community Capacity for Sustainable Management and Resilience to Major Disasters	7	■ ■ ■ ■ ■ ■ ■
14 - Preserve and Enhance Access to Open Space and Support Sustainable Recreation	2	■ ■
15 - Preserve and Optimize Reservoir and River System Operations	7	■ ■ ■ ■ ■ ■ ■
16 - Enhance and Streamline Policies, Regulations, and Funding for Resilient Watershed Management	5	■ ■ ■ ■ ■

■ = Planning and Strategy
 ■ = Coordination and Collaboration
 ■ = Implementation and Operations
 ■ = Science and Data
 ■ = Policy and Institutional

Thank you!

