Appendix 5-A PMA Prioritization and Scoring System

Preliminary criteria, and an associated scoring system, were developed to assist in the evaluation and prioritization of the PMA options identified in Chapter 4. This prioritization system is intended to facilitate strategic implementation of PMAs based on factors including effectiveness, cost, and stakeholder support. The criteria and descriptions for each scoring category are shown in Table 1. A template, with the PMAs identified in Chapter 4 for near-term and for future implementation (Tiers II and III), is included as Table 2. Categories and scoring may be modified throughout GSP implementation to reflect the principal objectives for PMAs.

Table 1: PMA prioritization criteria and score descriptions.

		Score		
Category		**1**	**2**	**3**
Effectiveness	**Anticipated Benefit**	Some physical benefit anticipated	Medium level of benefit anticipated (relative to other PMAs identified).	High level of benefit anticipated (i.e., streamflow depletion reversal is expected to be significant).
	Frequency	One-time benefit expected	PMA expected to provide benefit on more than one occurrence.	Benefits expected to occur repeatedly.
	Duration	Only short-term benefits expected (1-2 years)	Benefits expected over 2-5 years.	Benefits expected to occur over the long term (>5 years)
Completeness		No planning or studies have been completed, required permitting and funding sources have not been identified.	Some planning or studies have been completed, required permitting and funding sources may be identified and/ or secured.	Plans or studies have been completed, permitting has been secured, project is funded.
Complexity		Requires little planning and design, labor or materials to implement	Requires some planning, design and/or some labor or materials to implement.	Requires significant planning, design and/or significant labor or material to implement
Cost		Low cost or funding has been secured.	Mid-range cost and/or potential funding sources identified.	High cost and / or funding sources have been identified.
Uncertainty		Unproven technology or mechanism, legal authority unclear or no legal authority, anticipated difficulty obtaining required permits for project implementation.	Proven technology may be unproven in Basin setting or conditions), and/ or modelled results show an expected benefit, legal authority exists, and permits are anticipated to be attainable.	Proven technology and/or modelled results show an expected benefit, clear legal authority and required permitting is attainable.
Acceptability		Low or no support from stakeholders.	Medium support or desirability from stakeholders.	Strong support from stakeholders.

Table 2: Scott River Valley GSP PMA prioritization table template

Scott River Valley GSP Proposed List of Projects and Management Actions																		
									Evaluation Criteria and Score									
Tier	**Project Name**	**Lead Agency**	**Relevant Sustainability Indicators Affected**				**Status**	**Timetable / Circumstances for Initiation**	**Physical Benefit (i.e., stream depletion reversal)**	**Effectiveness**			**Completeness**	**Complexity**	**Cost**	**Uncertainties**	**Acceptability/ Support**	**Total/ Ranking**
			Groundwater Levels and Storage	**Groundwater Quality**	**Land Subsidence**	**SW & GW Interconnection**				**Anticipated Benefits**	**Frequency**	**Duration**						
Tier II Projects (PMAs Planned for Near Term Implementation 2022-2027)																		
II	Avoiding Significant Increase of Total Net Groundwater Use from the Basin	GSA, County of Siskiyou, City of Etna, City of Fort Jones	•			•	Conceptual only	TBD										
II	Beaver Dam Analogues	Scott River Watershed Council					Planning phase	TBD										
II	Conservation Programs and Green	Scott River Watershed Council	•			•	Planning phase	TBD										

	Infrastructure in the Upper Watershed																	
II	Instream Habitat Improvement on the East Fork Scott River	Siskiyou Resource Conservation District					Planning Phase	TBD										
II	Scott River Basin Stream Flow Monitoring	Siskiyou Resource Conservation District				•	Plannning Phase	TBD										
II	Irrigation Efficiency Improvements	GSA, UCCE	•			•	Planning phase	TBD	up to 12% stream depletion reversal									
II	Managed Voluntary Land Repurposing	TBD	•			•	Planning phase	Anticipated 2022-2027										
II	MAR & ILR: NFWF Scott Recharge Project	Scott Valley Irrigation District	•			•	Active	Anticipated Completion by February 2023										
II	MAR & ILR	GSA, Siskiyou Resource Conservation District	•			•	Planning phase	TBD										
II	Stockwater diversion and delivery system improvements	GSA	•			•	Conceptual phase	TBD										
II	Upslope Water Yield Projects	SRWC	•			•	Planning Phase	TBD										
II	Well Inventory	GSA, TBD					Planning Phase	TBD										

Tier III Projects (PMAs with potential implementation in 2027-2042)																		
III	Alternative, lower ET Crops	TBD	•				Conceptual phase											
III	Floodplain Reconnection/ Expansion	TBD	•			•	Conceptual only	TBD										
III	High Mountain Lakes	TBD	•				Conceptual only	TBD										
III	Reservoirs	TBD	•				Conceptual only	TBD	34-184% stream depletion reversal									
III	Sediment Removal and River Restoration	TBD	•			•	Scoping phase	TBD										
III	Strategic Groundwater Pumping Restriction	GSA	•			•	Conceptual only	TBD	7-86% stream depletion reversal									
III	Watermaster Program	Scott Valley and Shasta Valley Watermaster District	•			•	Conceptual only	TBD										