

Attachment 6. Monitoring, Assessment, and Performance Measures

The table below summarizes the project goals, outcomes, targets, indicators and measurement tools and methodologies for the three SSRWMG projects. The projects set objectives, quantifiable where possible, and qualifying or descriptive where not quantifiable and constructed performance measures based on the project objectives. Each proponent will be responsible for monitoring indicators and tracking progress towards deliverables and desired outcomes. The grantee will compile and summarize the progress and monitoring data and provide summaries in quarterly and final reports.

The SPUD project is not a construction project, but this proposal sets performance measures for the studies included in the scope of Phase I. Where possible it utilizes the desired accumulation of data as the desired outcomes for Phase I, but not Phase II, the construction project.

The Long Meadow Restoration Project sets specific desired outcomes from the physical implementation of the project. These targets, the desired outcomes and the indicators will be monitored by Sequoia National Forest staff as part of the in-kind contribution to the project.

The Mill Flat Creek Project sets broad goals and specific targets. These may be refined as the NEPA and CEQA processes are completed as part of the project.

Table 17. Project Performance Measures

Project Name	Project goals	Desired outcomes	Targets – measurable targets that are feasible to meet during the life of the project(s)	Performance indicators – measures to evaluate change that is a direct result of the project being built	Measurement tools and methods – to effectively track performance
SPUD	<ol style="list-style-type: none"> 1. Conduct studies to prepare construction project for implementation 2. Baseline biological, hydrological and engineering data 3. Understand 	<ol style="list-style-type: none"> 1. Three biological-ecological studies: recon-level, focused and wetland study 2. Restoration plan 	<ol style="list-style-type: none"> 1. Three biological-ecological studies: recon-level, focused and wetland study 2. One restoration plan 	<ol style="list-style-type: none"> 1. a. Number of studies b. Water quantity data 2. Maps and locations of potential restoration and enhancement areas 3. a. Draft 	Quarterly reports and team meetings reviewing progress towards deliverables.

	<p>construction project benefits</p> <ol style="list-style-type: none"> 4. Prepare CEQA documents 	<ol style="list-style-type: none"> 3. Two engineering studies 4. Information for Round Three grant proposal 5. One draft CEQA document 	<ol style="list-style-type: none"> 3. Two engineering studies 4. <ol style="list-style-type: none"> a. One hydrology study memo b. One water quality lab and analysis report 5. One draft CEQA Document 	<p>discharge quality standards based on water quality data</p> <ol style="list-style-type: none"> c. Systems design 4. Hydrological data 5. Draft document 	
Long Meadow	<ol style="list-style-type: none"> 1. Restore 35-acre wetland meadow 2. Reduce sediment load in the creek 3. Eliminate headcut in the meadow 	<ol style="list-style-type: none"> 1. <ol style="list-style-type: none"> a. Restore wetland habitat b. Reduced erosion/sedimentation c. headcut eliminated 2. <ol style="list-style-type: none"> a. Restored natural stream gradient and channel sides; b. Channel reconnected with floodplain 3. Restored meadow landscape 4. Increased number of native species 	<ol style="list-style-type: none"> 1. Restore 35 Acres of Meadow 2. Restore at least 0.25 miles of stream in meadow 3. <ol style="list-style-type: none"> a. Reconnect 8 miles of stream to floodplains b. Restore connectivity on 800 acres of adjacent meadow complexes 4. Increase biological diversity index 	<ol style="list-style-type: none"> 1. <ol style="list-style-type: none"> a. Groundwater levels; b. Native, wetland vegetation levels 2. <ol style="list-style-type: none"> a. Stream water quality; b. Stream geomorphology; c. Degree of physical floodplain connectivity and complex protection 3. Degree of physical floodplain connectivity and complex protection 4. Biodiversity index: number of species 	<ol style="list-style-type: none"> 1. Piezometer readings 2. <ol style="list-style-type: none"> a. Sediment loading in the creek with water quality samples b. Stream cross section 3. Map and tally number of connected miles of Creek and acres of floodplain 4. Sample vegetation, analyze native wetland plant diversity

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Kings River Critical Aquatic Refuge Water Quality Enhancements: Mill Flat Creek Road decommissioning Project	<ol style="list-style-type: none"> 1. Complete NEPA and CEQA process for the project 2. Improve habitat for aquatic animals in Mill Flat Creek and the Kings River 	<ol style="list-style-type: none"> 1. Completed CEQA and NEPA processes and documents; 2. Road sediment delivery to streams reduced 	<ol style="list-style-type: none"> 1. One NEPA and one CEQA Process and documentation 2. Decommission 3.1 miles of roads, parts of 14 roads 	<ol style="list-style-type: none"> 1. Complete NEPA/CEQA process and documents 2. <ol style="list-style-type: none"> a. Increase in riparian habitat b. Decrease in sediment delivery to streams 	<ol style="list-style-type: none"> 1. <ol style="list-style-type: none"> a. Number of process milestones met b. Quarterly reports and team meetings reviewing progress towards deliverables. 2. <ol style="list-style-type: none"> a. Map riparian habitat restoration and potential, tally number of acres b. Perform targeted water quality measurements and erosion along roads and water courses