

QUANTIFICATION OF PROJECT BENEFITS

Project Title: _____

SWRP Project ID Number: _____ (SWRP Evaluation Team Only)

Submitted By: _____

Please complete the table as follows:

1. Indicate which benefits your project provides in the “Provides Benefit” column.
2. For at least two of the main benefits your project provides, quantify those benefits in the “Estimated Value” column using at least one of the metrics associated with that benefit.

Please note that, while you only need to provide quantitative benefit measures for two “State Identified” Main Benefits, projects providing more quantifications will likely receive a higher prioritization.

		Benefit Code	Benefit	Provides Benefit	Estimated Value	Units of Measurement	Explanation of Metric			
“State Identified” Main Benefits (Must Quantify at Least Two)	Water Quality	M1	Increased Filtration and/or Treatment of Runoff	<input type="checkbox"/> Yes <input type="checkbox"/> No		lb/year	Amount of aluminum, manganese, and mercury captured in an average year			
						lb/year	Amount of sediments captured in an average year			
						sq-ft of bank	Reduction of sediment load in an average year by bank stabilization			
						MPN/mL	Reduction in average coliform bacteria concentration in receiving water body			
						lb/year	Amount of diazinon captured in an average year			
						lb/year	Amount of total nitrogen and phosphorus captured in an average year			
						mg/L	Increase in average dissolved oxygen content in receiving water body			
						% reduction	Percent decrease in average specific conductivity in receiving water body			
	Water Supply	M2	Water Supply Reliability	<input type="checkbox"/> Yes <input type="checkbox"/> No		acre-feet/year	Amount of new onsite storage and use in a dry year			
						acre-feet/year	Amount of infiltration into groundwater in an average year			
						acre-feet/year	Volume of potable water offset use in a dry year			
	Flood Management	M3	Conjunctive Use	<input type="checkbox"/> Yes <input type="checkbox"/> No		acre-feet/year	Amount stored/recharged in an average year			
					M4	Decreased Flooding Rate/Volume	<input type="checkbox"/> Yes <input type="checkbox"/> No		% reduction	Peak flow rate reduction in a 100-year event
									acre-feet/year	Volume reduced or captured in a 100-year event
	Environment & Habitat Protection	M5	Wetland Enhancement	<input type="checkbox"/> Yes <input type="checkbox"/> No		acres	Amount of wetland enhanced			
					New Wetlands	<input type="checkbox"/> Yes <input type="checkbox"/> No		acres	Amount of new wetland created	
							Riparian Enhancement	<input type="checkbox"/> Yes <input type="checkbox"/> No		sq-ft
					Instream Flow Improvement	<input type="checkbox"/> Yes <input type="checkbox"/> No				% of seasonal flow
M6							Increased Urban Green Space	<input type="checkbox"/> Yes <input type="checkbox"/> No		acres
Community	M7	Employment Opportunities	<input type="checkbox"/> Yes <input type="checkbox"/> No		FTE	Expected number of full time equivalent positions created				
				M8	Public Education	<input type="checkbox"/> Yes <input type="checkbox"/> No		people/year	Expected number of people reached	
“State Identified” Additional Benefits	Water Quality	A1	Nonpoint Source Pollution Control				<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Yes/No	Project includes non-point source pollution control
		A2	Re-establish Natural Drainage/Treatment	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Yes/No	Project re-establishes natural drainage and treatment			
	Water Supply	A3	Water Conservation	<input type="checkbox"/> Yes <input type="checkbox"/> No		acre-feet/year	Volume water use reduction in an average year			
	Flood Management	A4	Reduced Sanitary Sewer Overflows	<input type="checkbox"/> Yes <input type="checkbox"/> No		SSOs/year	Number of sanitary sewer overflows expected to be avoided			
	Environment & Habitat Protection	A5	Reduced Energy Use	<input type="checkbox"/> Yes <input type="checkbox"/> No		kWh/year	Amount of energy saved			
			Reduced Greenhouse Gasses	<input type="checkbox"/> Yes <input type="checkbox"/> No		lb CO ₂ e/year	Amount reduction of greenhouse gas emissions			
			Provides Carbon Sink	<input type="checkbox"/> Yes <input type="checkbox"/> No		Mg/acre	Amount of carbon sequestered per acre			
	Community	A6	Re-establish Natural Hydrograph	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	Yes/No	Project restores a natural hydrograph			
			A7	Temperature Improvement	<input type="checkbox"/> Yes <input type="checkbox"/> No		degrees Celsius	Amount of temperature reduction during the critical season		
A8			Community Involvement	<input type="checkbox"/> Yes <input type="checkbox"/> No		people/year	Expected number of people reached			
Community	A9	Improve/Create Recreation Area	<input type="checkbox"/> Yes <input type="checkbox"/> No		miles	Pedestrian paths created				
					people/year	Expected number of users				