



APPENDIX G

Long Term Effectiveness Assessment Tables

Table G-1. Santa Margarita WMA

(WMA)	Percentage of Total Area	Constituents / Stressors of Concern																														Cumulative Score	Benthic Alterations					Toxicity					Cumulative Sub-watershed Score																								
		Heavy metal					Organics					Oil and Grease					Sediments (SS, Turbidity, etc.)					Pesticides					Nutrients						Gross Pollutants					Bacteria / Pathogens																													
		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment		Score**	Priority Level																						
Santa Margarita	Ysidora HA (902.10)	11%	N	0	2	0	0.7	D	N	0	0	0.0	D	N	0	0	0.0	D	N	3	3.0	A	N	2	1	0	1.0	C	Y	0	0	3.0	A	N	0	2	1.0	C	N	2	3	2.5	A	1.4	N	2	2	2.0	B	N	2	0	1.0	C	1.5												
	DeLuz HA (902.20)	29%	N	0	2	0	0.7	D	N	0	0	0.0	D	N	1	0	0.5	D	Y	2	3.0	A	N	3	1	0	1.3	C	Y	1	0	3.0	A	N	0	2	1.0	C	N	1	2	1.5	C	1.4	N	2	2	2.0	B	N	2	0	1.0	C	1.5												
	Pechanga HA (902.50)	12%	N		2	0	1.0	C	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2.0	B	N	1	0	0.5	D	Y	0	0	3.0	A	N	2	2.0	B	N	2	2.0	B	1.3	N	2	2	2.0	B	N	2	0	1.0	C	1.4															
	Aguanga HA (902.80)	28%	N		2	0	1.0	C	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2.0	B	N	1	0	0.5	D	N	0	0.0	D	N	2	2.0	B	N	2	2.0	B	0.9	N	2	2	2.0	B	N	2	0	1.0	C	1.3																
	Oakgrove HA (902.90)	20%	N		2	0	1.0	C	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2.0	B	N	1	0	0.5	D	N	0	0.0	D	N	2	2.0	B	N	2	2.0	B	0.9	N	2	2	2.0	B	N	2	0	1.0	C	1.3																
	MLS Results		2					0					0					3					1					0					2					3						2																							
	ABLM Results		0					0															0																2						0																						
	Rating***		0.87					0.00					0.15					2.40					0.80					1.56					1.60					1.91						2.00						1.00																	
	Priority Level		C					D					D					A					C					B					B					B						B						C																	

Notes:
 * = 303d listing is N (no) or Y (yes). Y automatically scores 3 points-regardless of Dry or MLS scores
 ** = Score Calculated Based on Average of Dry Weather, Wet Weather, and Sediment data sets
 *** = Rating Calculated Based on Area Weighted Averages of Score Value
 Blank = No Data Available
 Green = 303d Listing Confirmed
 Priority Level (Highest to Lowest)
 A = 2.25-3.0
 B = 1.50 - 2.24
 C = 0.75-1.49
 D = 0.0 - 0.74

Table G-2. San Luis Rey River WMA

(WMA)	Percentage of Total Area	Constituents / Stressors of Concern																														Cumulative Score	Benthic Alterations					Toxicity					Cumulative Sub-watershed Score												
		Heavy metal					Organics					Oil and Grease					Sediments (SS, Turbidity, etc.)					Pesticides					Nutrients						Gross Pollutants					Bacteria / Pathogens																	
		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment		Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level				
San Luis Rey	Lower San Luis HA (903.10)	33%	N	0	0	2	0.7	D	N	0	0	0.0	D	N	1	0	0.5	D	Y	3	3.0	A	N	3	0	0	1.0	C	Y	1	0	3.0	A	N	0	0	0.0	D	Y	2	2	3.0	A	1.4	N	3	1	2.0	B	N	1	0	0.5	D	1.3
	Monserate HA (903.20)	30%	N	0	0	2	0.7	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2.0	B	N	2	0	0	0.7	D	N	0	0	0.0	D	N	0	0	0.0	D	N	3	2	2.5	A	0.7	N	2	1	1.5	C	N	1	0	0.5	D	0.9
	Warner Valley HA (903.30)	37%	N	0	0	2	1.0	C	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2.0	B	N	0	0	0.0	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	0.6	N	2	1	1.5	C	N	1	0	0.5	D	0.9	
	MLS Results		0					0					0					3					0					0					2					3					1												
	ABLM Results		2					0										0																				1					0												
	Rating***		0.79					0.00					0.17					2.33					0.53					0.99					0.00					2.48					1.67					0.50							
	Priority Level		C					D					D					A					D					C					D					A					B					D							

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 Priority Level (Highest to Lowest)
 A = 2.25-3.0
 B = 1.50 - 2.24
 C = 0.75-1.49
 D = 0.0 - 0.74

Table G-5. Los Peñasquitos WMA

(WMA)	Percentage of Total Area	Constituents / Stressors of Concern																												Cumulative Score	Benthic Alterations					Toxicity					Cumulative Sub-watershed Score																						
		Heavy metal					Organics					Oil and Grease					Sediments (SS, Turbidity, etc.)					Pesticides					Nutrients					Gross Pollutants					Bacteria / Pathogens																										
		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment		Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather		Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level												
Los Peñasquitos	Miramar Reservoir HA (906.10)	55%	N	1	0	2	1.0	C	N		0	0	0.0	D	N	1	0		0.5	D	Y	3	3.0	A	N	3	1	0	1.3	C	N	1			1.0	C	N	1	0		0.5	D	Y	3	3	3.0	A	1.3	N	3	1	2.0	B	N		0	0	0.0	D	1.1			
	Poway HA (906.20)	45%	N	1	0	2	1.0	C	N		0	0	0.0	D	N	2	0		1.0	C	N		2		2.0	B	N	2	1	0	1.0	C	N	0			0.0	D	N	0	0		0.0	D	N	2	2		2.0	B	0.9	N	2	1	1.5	C	N		0	0	0.0	D	0.8
	MLS Results		0					0					0					3					1					0					0					3						3						0													
	ABLM Results		2					0															0															3						1						0													
	Rating***		1.00					0.00					0.73					2.55					1.18					0.55					0.28					2.55						1.78						0.00													
	Priority Level		C					D					D					A					C					D					D					A						B						D													

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 Priority Level (Highest to Lowest)
 A = 2.25-3.0
 B = 1.50 - 2.24
 C = 0.75-1.49
 D = 0.0 - 0.74

Table G-7. San Diego River WMA

(WMA)	Percentage of Total Area	Constituents / Stressors of Concern																														Cumulative Score	Benthic Alterations					Toxicity					Cumulative Sub-watershed Score											
		Heavy metal					Organics					Oil and Grease					Sediments (SS, Turbidity, etc.)					Pesticides					Nutrients						Gross Pollutants					Bacteria / Pathogens																
		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment		Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level			
San Diego	Lower San Diego HA (907.10)	40%	N	1	0	0.5	D	N	0	0	0.0	D	N	0	0	0.0	D	Y	3	3.0	A	N	2	2	2.0	B	Y	0	0	3.0	A	Y	1	0	3.0	A	Y	3	3	3.0	A	1.8	N	3	3.0	A	N	0	0.0	D	1.6			
	San Vicente HA (907.20)	17%	N	0	0	0.0	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2.0	B	N	2	2	2.0	B	N	1	0	0.5	D	N	0	0	0.0	D	N	2	2	2.0	B	0.8	N	2	2.0	B	N	0	0.0	D	0.9			
	El Capitan HA (907.30)	20%	N	0	0	0.0	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2.0	B	N	3	2	2.5	A	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	0.8	N	2	2.0	B	N	0	0.0	D	0.9			
	Boulder Creek HA (907.40)	23%	N	0	0	0.0	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2.0	B	N	2	2	2.0	B	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	0.8	N	2	2.0	B	N	0	0.0	D	0.9			
	MLS Results		0					0					0					3					2					0					0					3						3					0					
	ABLM Results																																																					
	Rating***		0.20					0.00					0.00					2.40					2.10					1.29					1.20					2.40						2.40					0.00					
Priority Level		D					D					D					A					B					C					C					A						A					D						

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 Priority Level (Highest to Lowest)
 A = 2.25-3.0
 B = 1.50 - 2.24
 C = 0.75-1.49
 D = 0.0 - 0.74

Table G-8. San Diego Bay WMA

(WMA)	Percentage of Total Area	Constituents / Stressors of Concern																														Cumulative Score	Benthic Alterations					Cumulative Sub-watershed Score																
		Heavy metal					Organics					Oil and Grease					Sediments (SS, Turbidity, etc.)					Pesticides					Nutrients						Gross Pollutants						Bacteria / Pathogens															
		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level		303d*	Dry Weather	Wet Weather	Sediment	Score**		Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level			
San Diego Bay	Point Loma HA (908.10)	2%	Y	1		3.0	A	N				D	N	1				D	N	2			2.0	B	N	0			0.0	D	N	0			0.0	D	Y	1		3.0	A	1.6	Y			3.0	A	Y			3.0	A	2.5	
	San Diego Mesa HA (908.20)	9%	Y	1	3	3.0	A	Y	0	3.0	A	N	0	0	0.0	D	N	3	3.0	A	Y	3	3	3.0	A	N	1	0	0.5	D	N	2	2	2.0	B	Y	3	3	3.0	A	2.2	Y	3	3.0	A	Y	2	3.0	A	2.7				
	National City HA (908.30)	2%	N	1		1.0	C	N				D	N	1		1.0	C	N			D	N	3		3.0	A	N	1		1.0	C	N	2		2.0	B	N	3		3.0	A	1.8	Y		3.0	A	Y		3.0	A	2.6			
	Lower Sweetwater HA (909.10)	11%	N	1	0	2	1.0	C	N	0	0.0	D	N	1	0	0.5	D	N	3	3.0	A	N	3	2	0	1.7	B	N	1	0	0.5	D	N	1	0	0.5	D	Y	3	3	3.0	A	1.3	N	3	3	3.0	A	N	2	0	1.0	C	1.8
	Middle Sweetwater HA (909.20)	19%	N	0	0	2	0.7	D	N	0	0.0	D	N	1	0	0.5	D	N	2	2.0	B	N	3	2	0	1.7	B	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	0.9	N	2	2	2.0	B	N	2	0	1.0	C	1.3
	Upper Sweetwater HA (909.30)	22%	N	0	0	2	0.7	D	N	0	0.0	D	N	0	0	0.0	D	N	2	2.0	B	N	3	2	0	1.7	B	N	2	0	1.0	C	N	0	0	0.0	D	N	2	2	2.0	B	0.9	N	2	2	2.0	B	N	2	0	1.0	C	1.3
	Coronado HA (910.10)	2%	N	1		1.0	C	N				D	N	0		0.0	D	N			D	N	2		2.0	B	N	1		1.0	C	N	0		0.0	D	Y	2		3.0	A	1.2	N			D	N			D	1.2			
	Otay Valley HA (910.20)	10%	N	2		2.0	B	N				D	N	1		1.0	C	N			D	N	3		3.0	A	N	1		1.0	C	N	2		2.0	B	N	3		3.0	A	2.0	N			D	N			D	2.0			
	Dulzura HA (910.30)	22%	N	0		0.0	D	N				D	N	0		0.0	D	N			D	N			0.0	D	N	2		2.0	B	N	0		0.0	D	N	0		0.0	D	0.3	N			D	N			D	0.3			
	MLS Results (CC)				3				0					0					3				3																															
	MLS Results (SW)				0				0					0					3				2																															
ABLM Results				2				0										0				0																																
Rating***				0.96				0.45					0.28					2.33				1.59			0.92																													
Priority Level				C				D					D					A				B			C																													

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 Priority Level (Highest to Lowest)
 A = 2.25-3.0
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 C = 0.75-1.49
 D = 0.0 - 0.74

Table G-8. Tijuana River WMA

(WMA)	Percentage of Total Area	Constituents / Stressors of Concern																														Cumulative Score	Benthic Alterations					Toxicity					Cumulative Sub-watershed Score												
		Heavy metal					Organics					Oil and Grease					Sediments (SS, Turbidity, etc.)					Pesticides					Nutrients						Gross Pollutants					Bacteria / Pathogens																	
		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level		303d*	Dry Weather	Wet Weather	Sediment	Score**	Priority Level	303d*	Dry Weather	Wet Weather	Sediment		Score**	Priority Level										
Tijuana Valley HA (911.10)	7%	Y	1	1	0	3.0	A	Y	0	0	3.0	A	N	1	0	0.5	D	Y	3	3	3.0	A	Y	2	3	0	3.0	A	Y	1	3	3.0	A	Y	1	3	3.0	A	Y	2	3	3.0	A	2.7	N	3	2	2.5	A	N	3	0	1.5	C	2.2
Potrero HA (911.20)	18%	N		1	0	0.5	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	N	2	0	1.0	C	N	2	2	2.0	B	N	2	2	2.0	B	N	2	2	2.0	B	1.2	N	2	2	2.0	B	N	2	0	1.0	C	1.4	
Barrett Lake HA (911.30)	20%	N		1	0	0.5	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	N	2	0	1.0	C	N	2	2	2.0	B	N	2	2	2.0	B	N	2	2	2.0	B	1.2	N	2	2	2.0	B	N	2	0	1.0	C	1.4	
Monument HA (911.40)	8%	N	0	1	0	0.3	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	N	2	0	1.0	C	N	0	2	1.0	C	N	1	2	3.0	A	1.0	N	2	2	2.0	B	N	2	0	1.0	C	1.3						
Morena HA (911.50)	5%	N		1	0	0.5	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	N	2	0	1.0	C	N	2	2	2.0	B	N	2	2	2.0	B	N	2	2	2.0	B	1.2	N	2	2	2.0	B	N	2	0	1.0	C	1.4	
Cottonwood HA (911.60)	10%	N	0	1	0	0.3	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	N	2	0	1.0	C	N	0	2	1.0	C	N	1	2	1.5	C	0.9	N	2	2	2.0	B	N	2	0	1.0	C	1.3						
Cameron HA (911.70)	10%	N		1	0	0.5	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	N	2	0	1.0	C	N	2	2	2.0	B	N	2	2	2.0	B	N	2	2	2.0	B	1.2	N	2	2	2.0	B	N	2	0	1.0	C	1.4	
Campo HA (911.80)	23%	N		1	0	0.5	D	N	0	0	0.0	D	N	0	0	0.0	D	N	2	2	2.0	B	N	2	0	1.0	C	N	2	2	2.0	B	N	2	2	2.0	B	N	2	2	2.0	B	1.2	N	2	2	2.0	B	N	2	0	1.0	C	1.4	
MLS Results		1					0					0					3					3					3					3						3																	
ABLM Results		0					0										0																					2																	
Rating***		0.64					0.20					0.03					2.07					1.13					1.89					1.89					2.10						2.03					1.03							
Priority Level		D					D					D					B					C					B					B					B						B					C							

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