

Appendix E-1: Taxonomic Listing of Macroinvertebrates Collected May 2008.

(TV = Tolerance Value: range is 0-10; 0 is intolerant to impairment, 10 is highly tolerant to impairment. FFG = Functional Feeding Group: c=collector, cf=collector-filterer, cg=collector-gatherer, mh=macrophyte herbivore, om=omnivore, p=predator, pa= parasite, ph=piercer herbivore, sc=scrapper, sh=shredder.)

	TV	FFG	RC-WGR	SMR-MLS-2	AHC-ECR	AHC-TWAS-1	BVC-TWAS-1	CC-FB	ESC-MLS	ESC-TWAS-1	LAC-TWAS-1	PC-MLS	PC-TWAS-1	PC-TWAS-2	REF-BCR	REF-DC	REF-SC2	SDC-MLS	SDC-TWAS-1	SDC-TWAS-2	SLR-MLS	SLR-TWAS-1
PHYLUM ARTHROPODA																						
Insecta																						
Ephemeroptera (mayflies)																						
Baetidae																						
<i>Baetis sp</i>	5	cg	7	52	5	107	100		2	18		13	13	28	206	22	68		1	7	78	19
<i>Callibaetis sp</i>	9	cg	3		3					2	2		1		24			2		8		
<i>Fallceon quilleri</i>	4	cg	10	12	215	9	5	17		103		11	3	19	69		7		69	2	1	
Caenidae																						
<i>Caenis sp</i>	7	cg																				1
Ephemerellidae																						
<i>Ephemerella sp</i>	1	cg													4							
<i>Serratella sp</i>	2	cg													2							
Heptageniidae																						
<i>Epeorus sp</i>	0	sc													1							
<i>Ironodes sp</i>	3	sc														9						
Leptohyphidae																						
<i>Tricorythodes sp</i>	4	cg	14	29						7												
Leptophlebiidae																						
<i>Paraleptophlebia sp</i>	4	cg														5						
Siphonuridae																						
<i>Siphonurus sp</i>	7	cg														1						
Odonata (damselflies, dragonflies)																						
Aeshnidae																						
<i>Calopterygidae</i>	5	p								1												
<i>Hetaerina americana</i>	6	p	3	14											1		4					
Coenagrionidae																						
<i>Argia sp</i>	7	p	53	5	1			2		1		6	21		1	1	38		7	7		
<i>Ischnura sp</i>	9	p						23		2		2	5	1				5	4	1		
Cordulegastridae																						
<i>Cordulegaster dorsalis</i>	3	p														2	1					
Libellulidae																						
<i>Brechmorhoga mendax</i>	9	p	3			1			3			1										
<i>Paltothemis lineatipes</i>	9	p	1					13			1											
Plecoptera (stoneflies)																						
Chloroperlidae																						
<i>Sweltsa sp</i>	1	p																				
Nemouridae																						
<i>Malenka sp</i>	2	sh														7	4					
<i>Zapada sp</i>	2	sh														23						
Perlodidae																						
<i>Isoperla sp</i>	2	p													2	4						
Hemiptera (true bugs)																						
Belostomatidae																						
<i>Corixidae</i>	8	p	1												2							
<i>Corisella sp</i>	8	p			3					1		6						157		31		
<i>Trichocorixa sp</i>	8	p																2		5		
Corydalidae																						
<i>Neohermes sp</i>	0	p													4		1					
Trichoptera (caddisflies)																						
Brachycentridae																						
<i>Micrasema sp</i>	1	mh													3		6					
Hydropsychidae																						
<i>Cheumatopsyche sp</i>	5	cf	41	19					2	2					8		8					
<i>Hydropsyche sp</i>	4	cf	213	231											36		26					
Hydroptilidae																						
<i>Hydroptila sp</i>	4	ph							1								4					
<i>Ochrotrichia sp</i>	6	ph	2	6	1		3			65	12	3		2	3				8	2		
<i>Ochrotrichia sp</i>	4	ph	2												3							
Lepidostomatidae																						
<i>Lepidostoma sp</i>	1	sh													2		6					
Leptoceridae																						
<i>Nectopsyche sp</i>	3	om		6																		
Limnephilidae																						
<i>Hesperophylax sp</i>	3	om														9						
Polycentropodidae																						
<i>Polycentropus sp</i>	6	p	2																			
Psychomyiidae																						
<i>Tinodes sp</i>	2	sc								1					1							
Sericostomatidae																						
<i>Gumaga sp</i>	3	sh													2							
Uenoidae																						
<i>Neophylax sp</i>	3	g														9						

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	TV	FFG	RC-WGR	SMR-MLS-2	AHC-ECR	AHC-TWAS-1	BVC-TWAS-1	CC-FB	ESC-MLS	ESC-TWAS-1	LAC-TWAS-1	PC-MLS	PC-TWAS-1	PC-TWAS-2	REF-BCR	REF-DC	REF-SC2	SDC-MLS	SDC-TWAS-1	SDC-TWAS-2	SLR-MLS	SLR-TWAS-1
Lepidoptera																						
Pyrilidae																						
<i>Parapoynx sp</i>	5	sh		7																		
<i>Petrophila sp</i>	5	sc		1																		
Coleoptera (beetles)																						
Dytiscidae																						
<i>Hydroporinae</i>	5	p													2							
<i>Agabus sp</i>	5	p													4			1				
<i>Agabus sp</i>	8	p													1	4				1		
<i>Hygrotus sp</i>	5	p			1		1				3											
<i>Laccophilus sp</i>	5	p													1							
<i>Rhantus sp</i>	5	p				1					1											
<i>Sanfillipodytes sp</i>															1							
<i>Stictotarsus sp</i>	5	p													4	1						
Elmidae																						
<i>Heterelmis sp</i>	4	cg		5																		
<i>Microcylloepus sp</i>	4	cg		3													2					
<i>Ordobrevia nubifera</i>	4	sc													1							
<i>Zaitzevia sp</i>	4	sc															8					
Haliplidae																						
<i>Pelodytes sp</i>	5	mh													3							
Hydraenidae																						
<i>Hydraena sp</i>	5	p													3	1					1	
Hydrophilidae																						
<i>Berosus sp</i>	5	p																			2	
<i>Enochrus sp</i>	5	cg					1											1			2	
<i>Laccobius sp</i>	5	mh			1											3					1	
<i>Tropisternus sp</i>	5	p													1							
Diptera (true flies)																						
Ceratopogonidae																						
<i>Arichopogon</i>	6	cg	4	11												1					1	
<i>Bezzia/Palpomya</i>	6	p			1												2				10	1
<i>Dasyhelea sp</i>	6	cg			1																1	
Chironomidae																						
	6	cg	81	31	88	314	359	28	36	30	168	334	302	130	95	258	297	83	54	148	84	127
Culicidae																						
<i>Anopheles sp</i>	8	cg	1																			
Dixidae																						
<i>Dixa sp</i>	2	cg	1														1					5
<i>Dixella sp</i>	2	cg																				2
Dolichopodidae																						
	4	p			1		2				1									2	1	
Empididae																						
<i>Clinocera sp</i>	6	p														3						
<i>Hemerodromia sp</i>	6	p	3	2			1								1							
<i>Neoplasta sp</i>	6	p															3					
Ephydriidae																						
	6	p		3																	2	
Muscidae																						
	6	p								1												1
Psychodidae																						
<i>Pericoma/Telmatoscopus</i>	4	cg			2		2													1	2	
Sciomyzidae																						
	6	p																			1	
Simuliidae																						
<i>Simulium sp</i>	6	cf		67	26		35		8		27	93	96	71	79	71	42	1	187	1	151	19
Stratiomyidae																						
<i>Caloparyphus/Euparyphus</i>	8	cg	53					17		4		1										
<i>Euparyphus sp</i>	8	cg		4	2						2						3					
<i>Myxosargus sp</i>	8	cg												1				1				
<i>Nemotelus sp</i>	8	cg															1				1	
<i>Stratiomys sp</i>	8	cg																			1	
Tipulidae																						
<i>Dicranota sp</i>	3	p														2	1					
<i>Limonia sp</i>	6	sh	6								1											
<i>Tipula sp</i>	4	om	4					1				1	1	2		2	2			1		
PHYLUM CHELICERATA																						
Arachnida																						
Acari (water mites)																						
Hygrobatidae																						
<i>Atractides sp</i>	8	p			1										3		1					
Mideopsidae																						
<i>Mideopsis sp</i>	5	p	1																			
Sperchontidae																						
<i>Sperchon sp</i>	8	p	5	7		1				1			10	3	1	2	4					
Torrenticolidae																						
<i>Torrenticola sp</i>	5	p															1					
PHYLUM ARTHROPODA																						

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	TV	FFG	RC-WGR	SMR-MLS-2	AHC-ECR	AHC-TWAS-1	BVC-TWAS-1	CC-FB	ESC-MLS	ESC-TWAS-1	LAC-TWAS-1	PC-MLS	PC-TWAS-1	PC-TWAS-2	REF-BCR	REF-DC	REF-SC2	SDC-MLS	SDC-TWAS-1	SDC-TWAS-2	SLR-MLS	SLR-TWAS-1	
Malacostraca																							
Amphipoda (scuds)																							
Crangonyctidae																							
<i>Crangonyx sp</i>	4	cg								7											20	36	
Gammaridae																							
<i>Gammarus sp</i>	4	cg							514												181	221	
Hyalellidae																							
<i>Hyalella sp</i>	8	cg		39	8	7	16		5	118	32	61	46	206	3			171	121	40	6	14	
Decapoda																							
Cambaridae	8	sh		2	2	2	2	7		27			1						5	1			
<i>Procambarus clarki</i>	8	sh						2													1		
Ostracoda (seed shrimp)	8	cg	15	1	198	14	33	456		229	342	12	89	96			12	130	100	13			
PHYLUM PLATYHELMINTHES																							
Turbellaria (flatworms)	4	p	41	6	7	2	6			4	2	6	2	1			1			9			1
PHYLUM CNIDARIA																							
Hydrozoa																							
Hydroida (hydroids)																							
Hydridae																							
<i>Hydra sp</i>	5	p			1	31																	
Nemertea																							
Enopla (tongueworms)																							
Hoplonemertea																							
Tetrastemmatidae																							
<i>Prostoma sp</i>	8	p	15	4		2						1					2						2
Annelida																							
Oligochaeta (earthworms)	5	cg	1	7	17	97	43	11		4	5	53	5	4	6	4	17	30	12	302	43	176	
Mollusca																							
Gastropoda (snails)																							
Pulmonata																							
Ancylidae																							
<i>Ferrissia sp</i>	6	sc		3																		1	
Hypsogastropoda																							
Hydrobiidae	8	sc																					3
Pulmonata																							
Lymnaeidae																							
<i>Lymnea sp</i>	6	sc																				1	
Physidae																							
<i>Physa sp</i>	8	sc	18	1	6	11	4	17			20		1	44	7		2	7	6	43	3		
Planorbidae	6	sc						1															
<i>Gyraulus sp</i>	8	sc		4											1								
<i>Planorbella sp</i>	6	sc															1						
Bivalvia (clams)																							
Veneroida																							
Corbiculidae																							
<i>Corbicula sp</i>	10	cf		26	2									2							34	14	
Pelecypoda																							
Sphaeriidae	8	cf																					
<i>Pisidium sp</i>	8	cf														4							

Appendix E-2: Ranked Abundance of Benthic Macroinvertebrates Collected May, 2008.

Taxon	RC-WGR	SMR-MLS-2	AHC-MLS	AHC-TWAS-1	BVC-TWAS-1	CC-FB	ESC-MLS	ESC-TWAS-1	LAC-TWAS-1	PC-MLS	PC-TWAS-1	PC-TWAS-2	REF-BCR	REF-DC	REF-SC2	SDC-MLS	SDC-TWAS-1	SDC-TWAS2	SLR-MLS	SLR-TWAS1	Grand Total
Chironomidae	81	31	88	314	359	28	36	30	168	334	302	130	95	258	297	83	54	148	84	127	2935
Ostracoda	15	1	198	14	33	456		229	342	12	89	96			12	130	100	13			1724
Gammarus sp							514												181	221	916
Simulium sp		67	26		35		8		27	93	96	71	79	71	42	1	187	1	151	19	907
Hyalella sp		39	8	7	16		5	118	32	61	46	206	3			171	121	40	6	14	854
Oligochaeta	1	7	17	97	43	11		4	5	53	5	4	6	4	17	30	12	302	43	176	829
Baetis sp	7	52	5	107	100		2	18		13	13	28	206	22	68		1	7	78	19	687
Falleon quilleri	10	12	215	9	5	17		103		11	3	19	69		7		69	2	1		530
Corixidae			3					1		6						157		31			198
Physa sp	18	1	6	11	4	17			20		1	44	7		2	7	6	43	3		171
Nemouridae														131							131
Hydroptila sp			1		3			65	12	3		2	3				8	2			99
Argia sp	53	5				23		2		2	5	1	1		38		4	1			77
Crangonyx sp								7											20	36	63
Hydropsyche sp	213	231											36		26						62
Corbicula sp		26	2									2							34	14	52
Cambaridae		2	2	2	2	7		27			1						5	1			47
Coenagrionidae		1	1			2		1		6	21			1			7	7			46
Callibaetis sp	3		3					2	2		1		24			2		8			42
Turbellaria	41	6	7	2	6			4	2	6	2	1			1		9		1		41
Hydra sp			1	31																	32
Trichocorixa sp																23					23
Zapada sp														23							23
Caloparyphus/Euparyphus	53					17		4		1											22
Sperchon sp	5	7		1				1			10	3	1	2	4						22
Cheumatopsyche sp	41	19					2	2					8		8						20
Bezzia/Palpomyia			1												2			10		1	14
Paltothemis lineatipes	1					13			1												14
Plecoptera														12							12
Malenka sp														7	4						11
Tipula sp	4					1				1	1	2		2	2		1				10
Hesperophylax sp														9							9
Ironodes sp														9							9
Micrasema sp													3		6						9
Neophylax sp														9							9
Lepidostoma sp													2		6						8
Zaitzevia sp															8						8
Corisella sp																2		5			7
Dolichopodidae			1		2				1								2	1			7
Euparyphus sp		4	2						2						3						7
Paraponyx sp		7																			7
Pericoma/Telmatoscopus			2		2												1	2			7
Prostoma sp	15	4		2						1					2					2	7
Tricorythodes sp								7													7
Agabus sp													1	4				1			6
Dixa sp	1														1					5	6
Isoperla sp													2	4							6
Nectopsyche sp		6																			6
Atractides sp			1										3		1						5
Brechmorhoga mendax				1			3			1											5
Hetaerina americana	3	14											1		4						5
Heterelmis sp		5																			5
Hydraena sp													3	1				1			5
Hydroporinae													4			1					5
Hydroptilidae	2	6					1								4						5
Hygrotus sp			1		1				3												5
Ischnura sp																5					5
Laccobius sp			1											3				1			5
Neohermes sp													4		1						5
Paraleptophlebia sp															5						5
Stictotarsus sp													4	1							5
Sweltsa sp														5							5
Enochrus sp					1											1		2			4

Appendix E-2: Ranked Abundance of Benthic Macroinvertebrates Collected May, 2008.

Taxon	RC-WGR	SMR-MLS-2	AHC-MLS	AHC-TWAS-1	BVC-TWAS-1	CC-FB	ESC-MLS	ESC-TWAS-1	LAC-TWAS-1	PC-MLS	PC-TWAS-1	PC-TWAS-2	REF-BCR	REF-DC	REF-SC2	SDC-MLS	SDC-TWAS-1	SDC-TWAS2	SLR-MLS	SLR-TWAS1	Grand Total	
Ephemera sp													4								4	
Pisidium sp														4								4
Clinocera sp														3								3
Cordulegaster dorsalis														2	1							3
Dasyhelea sp			1														1	1				3
Dicranota sp														2	1							3
Hydrobiidae																				3		3
Neoplasta sp															3							3
Ochrotrichia sp	2												3									3
Peltodytes sp													3									3
Procambarus clarki						2													1			3
Belostomatidae	1												2									2
Berosus sp																		2				2
Ceratopogonidae														1				1				2
Dixella sp																				2		2
Dytiscidae													2									2
Ephydriidae		3																2				2
Gumaga sp													2									2
Hemerodromia sp	3	2			1								1									2
Microcylloepus sp		3													2							2
Muscidae	3							1											1			2
Myxosargus sp												1				1						2
Nemotelus sp															1				1			2
Planorbidae						1							1									2
Polycentropus sp	2																					2
Rhantus sp				1					1													2
Serratella sp													2									2
Tinodes sp								1					1									2
Aeschnidae								1														1
Agabius sp														1								1
Anopheles sp	1																					1
Atrichopogon	4	11																1				1
Caenis sp																				1		1
Epeorus sp													1									1
Ferrissia sp		3																	1			1
Gyraulus sp		4											1									1
Laccophilus sp													1									1
Libellulidae	3								1													1
Limonia sp	6								1													1
Lymnea sp																		1				1
Mideopsis sp	1																					1
Ordobrevia nubifera													1									1
Petrophila sp		1																				1
Planorbella sp															1							1
Sanfillipodytes sp													1									1
Sciomyzidae																		1				1
Siphonurus sp														1								1
Sphaeriidae															1							1
Stratiomys sp																		1				1
Torrenticola sp															1							1
Tropisternus sp													1									1
Grand Total	607	609	593	599	613	595	571	628	620	604	596	610	592	597	577	614	588	640	604	641	10905	

Appendix E-3: Biological Metric Calculations for Benthic Macroinvertebrates Collected May, 2008.

Metric	RC-WGR	SMR-MLS-2	AHC-MLS	AHC-TWAS-1	BVC-TWAS-1	CC-FB	ESC-MLS	ESC-TWAS-1	LAC-TWAS-1	PC-MLS	PC-TWAS1	PC-TWAS2	REF-BCR	REF-DC	REF-SC2	SDC-MLS	SDC-TWAS-1	SDC-TWAS-2	SLR-MLS	SLR-TWAS-1
Taxa Richness	30	31	24	14	16	12	8	21	15	16	15	15	36	28	33	14	17	29	13	15
Ephemeropteran Taxa	4	3	3	2	2	1	1	4	1	2	3	2	6	4	2	1	2	3	2	2
Plecopteran Taxa	0	0	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0	0	0	0
Trichopteran Taxa	5	4	1	0	1	0	2	3	1	1	0	1	8	2	5	0	1	1	0	0
EPT Taxa	9	7	4	2	3	1	3	7	2	3	3	3	15	12	8	1	3	4	2	2
Dipteran Taxa	9	8	7	1	5	3	2	3	5	4	3	4	3	6	9	3	6	11	3	5
Non Insect Taxa	7	11	9	9	6	5	2	7	5	5	7	7	6	3	10	4	6	6	8	8
% EPT	48%	58%	38%	19%	18%	3%	1%	32%	2%	4%	3%	8%	62%	40%	22%	0%	13%	3%	13%	3%
% Sensitive EPT	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	2.9%	33.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Shannon Diversity	2.3	2.4	1.7	1.5	1.4	1.0	0.4	1.9	1.3	1.5	1.6	1.8	2.2	1.9	2.0	1.7	1.9	1.8	1.8	1.7
Margalef Diversity	4.5	4.7	3.6	2.0	2.3	1.9	1.1	3.1	2.3	2.3	2.2	2.2	6.0	4.2	5.0	2.0	2.5	4.6	1.9	2.2
Tolerance Value	5.5	5.3	6.0	5.7	5.9	7.7	4.2	6.8	7.3	6.1	6.6	7.0	5.2	4.6	5.7	7.6	6.5	6.0	5.4	5.0
% Dominant Taxon	35%	38%	36%	52%	59%	77%	90%	36%	55%	55%	51%	34%	35%	43%	51%	28%	32%	47%	30%	34%
% Chironomidae	13%	5%	15%	52%	59%	5%	6%	5%	27%	55%	51%	21%	16%	43%	51%	14%	9%	23%	14%	20%
% Intolerant Organisms	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	3.2%	28.5%	3.1%	0.0%	0.0%	0.0%	0.0%	1.1%
% Tolerant Organisms	18.9%	14.6%	38.1%	6.3%	9.0%	86.4%	1.4%	61.0%	64.5%	14.6%	28.4%	57.7%	7.1%	1.8%	4.5%	81.1%	40.6%	23.6%	7.3%	5.1%
% Collector Gatherer	31%	32%	91%	91%	91%	89%	98%	83%	89%	80%	77%	79%	69%	49%	71%	68%	61%	83%	68%	94%
% Collector Filterer	42%	56%	5%	0%	6%	0%	2%	0%	4%	15%	16%	12%	21%	13%	13%	0%	32%	0%	31%	5%
% Predator	22%	6%	3%	6%	2%	6%	1%	2%	1%	4%	6%	1%	5%	5%	10%	31%	4%	10%	0%	1%
% Shredder	1%	1%	0%	0%	0%	2%	0%	4%	0%	0%	0%	0%	1%	27%	2%	0%	1%	0%	0%	0%
% Scraper	3%	1%	1%	2%	1%	3%	0%	0%	3%	0%	0%	7%	2%	2%	2%	1%	1%	7%	1%	0%
% Other	1%	2%	0%	0%	0%	0%	0%	10%	2%	1%	0%	1%	2%	2%	2%	0%	2%	0%	0%	0%
Estimated Abundance/ft ²	307	198	898	272	557	10,818	890	4567	939	2928	241	693	196	814	219	1003	950	411	196	121

Table E-4: Water Quality Data For San Diego County Bioassessment Monitoring Sites. May 2008.

Parameter	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	pH	Water Temperature (°C)	Chlorophyll-a (mg/m ³)	Ash Free Dry Mass (g/m ²)	Alkalinity mg/L CaCO ₃	Elevation (ft above sea level)
RC-WGR	1.634	7.08	7.3	19.7	164.8	3.2	244	500
SMR-MLS-2	1.258	7.78	7.7	21.5	74.8	1.6	156	275
SLR-MLS	2.436	7.22	8.1	18.3	15.4	19.1	336	10
SLR-TWAS-1	2.211	7.69	8.0	16.4	7.3	90.6	292	160
LAC-TWAS-1	4.238	4.24	8.0	21.5	178.3	70.3	340	22
BVC-TWAS-1	2.391	7.44	8.0	20.5	164.5	45.9	300	30
AHC-MLS	3.272	12.42	8.0	27.1	55.9	17.3	248	40
AHC-TWAS-1	2.209	7.33	7.8	16.2	125.6	46.8	290	360
ESC-MLS	2.433	8.09	8.2	18.6	310.4	402.0	264	55
ESC-TWAS-1	1.951	7.89	8.2	17.7	60.4	105.7	300	565
SDC-MLS	3.543	9.90	7.9	21.1	189.6	107.8	260	30
SDC-TWAS-1	1.997	6.81	7.8	17.0	165.2	63.7	264	340
SDC-TWAS-2	4.238	4.24	8.0	21.5	21.6	824.5	340	330
PC-MLS	1.838	7.69	8.0	16.5	269.3	144.9	256	40
PC-TWAS-1	3.769	10.05	8.1	19.4	69.0	20.1	200	45
PC-TWAS-2	2.893	6.63	7.8	15.9	134.8	30.0	284	380
CC-FB	3.729	6.95	7.7	18.5	127.7	35.3	224	220
REF-SC2	1.637	9.05	8.0	15.8	32.4	24.4	184	440
REF-DC	0.175	7.85	7.7	13.2	13.4	38.0	56	4950
REF-BCR	0.336	7.91	8.2	19.0	9.3	10.9	124	2655

Appendix E-5: Index of Biotic Integrity Scores for San Diego County Bioassessment Monitoring Sites. May, 2008.

Monitoring Reach	Total IBI Score	IBI Rating	% CF+CG		% Non-Insect Taxa		% Tolerant Taxa		Coleoptera Taxa		Predator Taxa		% Intolerant Individuals		EPT Taxa	
			Metric value	IBI score	Metric value	IBI score	Metric value	IBI score	Metric value	IBI score	Metric value	IBI score	Metric value	IBI score	Metric value	IBI score
REF-DC	58	Very Good	61%	9	11%	9	14%	7	5	8	12	9	28%	10	12	6
REF-BCR	44	Good	90%	2	17%	8	22%	5	10	8	15	10	3%	1	15	8
REF-SC2	30	Fair	84%	4	30%	4	24%	4	2	4	12	9	3%	1	8	4
RC-WGR	28	Fair	73%	6	23%	6	33%	2	0	0	12	9	0%	0	9	5
SMR-MLS-2	20	Poor	88%	3	35%	3	32%	2	2	4	7	4	0%	0	7	4
SDC-TWAS-2	28	Fair	83%	4	21%	7	34%	1	5	8	9	6	0%	0	4	2
SDC-MLS	18	Poor	68%	7	29%	5	64%	0	2	4	5	2	0%	0	1	0
ESC-TWAS-1	16	Poor	83%	4	33%	4	38%	0	0	0	7	4	0%	0	7	4
AHC-MLS	15	Poor	96%	1	38%	3	42%	0	2	4	8	5	0%	0	4	2
BVC-TWAS-1	13	Very Poor	97%	0	38%	3	25%	4	2	4	4	1	0%	0	3	1
LAC-TWAS-1	12	Very Poor	93%	1	30%	4	44%	0	2	4	5	2	0%	0	2	1
ESC-MLS	11	Very Poor	99%	0	25%	6	25%	4	0	0	1	0	0%	0	3	1
SDC-TWAS-1	9	Very Poor	93%	1	35%	3	29%	3	0	0	4	1	0%	0	3	1
PC-MLS	9	Very Poor	96%	1	31%	4	44%	0	0	0	6	3	0%	0	3	1
AHC-TWAS-1	8	Very Poor	91%	2	64%	0	50%	0	1	2	6	3	0%	0	2	1
SLR-TWAS-1	5	Very Poor	99%	0	53%	0	27%	3	0	0	3	0	1%	1	2	1
CC-FB	4	Very Poor	89%	2	42%	2	50%	0	0	0	3	0	0%	0	1	0
PC-TWAS-1	3	Very Poor	93%	1	47%	0	47%	0	0	0	4	1	0%	0	3	1
PC-TWAS-2	3	Very Poor	91%	2	47%	0	40%	0	0	0	3	0	0%	0	3	1
SLR-MLS	3	Very Poor	99%	0	62%	0	31%	2	0	0	1	0	0%	0	2	1

Appendix E-6: Percent Cover of Periphyton For San Diego County Bioassessment Monitoring Sites. May 2008.

Site	Macroalgae	Thin Microalgae (0-1 mm)	Medium Microalgae (1 mm - 2 cm)	None Observed	No Data Collected
RC-WGR	0.0	0.0	97.3	2.7	0.0
SMR-MLS-2	0.0	0.0	35.7	64.3	0.0
SLR-TWAS-1	nd	nd	nd	nd	100.0
SLR-MLS	nd	nd	nd	nd	100.0
BVC-TWAS-1	68.8	10.6	0.0	20.4	0.0
LAC-TWAS-1	68.4	13.4	6.9	11.3	0.0
AHC-TWAS-1	22.4	0.0	71.8	5.8	0.0
AHC-MLS	58.4	2.3	8.1	31.1	0.0
ESC-TWAS-1	74.2	0.0	0.0	25.8	0.0
ESC-MLS	nd	nd	nd	nd	100.0
SDC-TWAS-2	nd	nd	nd	nd	100.0
SDC-TWAS-1	15.6	46.0	nd	5.1	33.3
SDC-MLS	0.0	30.6	59.4	10.0	0.0
PC-TWAS-2	nd	nd	nd	nd	100.0
PC-TWAS-1	38.2	46.9	0.0	14.9	0.0
PC-MLS	63.3	7.8	4.0	24.9	0.0
CC-FB	24.2	19.4	37.7	18.7	0.0
REF-SC2	0.0	13.8	0.0	86.2	0.0
REF-DC	0.0	100.0	0.0	0.0	0.0
REF-BCR	17.1	46.2	0.0	36.7	0.0

nd= no data