

**San Juan Coastal Region**

<i>WaterbodyName</i>	<u>Aliso Creek</u>		<u>Bell Canyon Creek</u>		<u>Arroyo Trabuco Ck.</u>		<u>Wood Creek</u>				<u>San Mateo Creek</u>									
<i>StationID</i>	<b>AC-PPD</b>		<b>BCC-SRT</b>		<b>BCC-BCT</b>		<b>ATC-TC</b>		<b>WC-2MM</b>		<b>WC-CRT</b>		<b>WC-EOT</b>		<b>SMC-SMC</b>		<b>SMC-DC</b>		<b>SMC-SMR</b>	
	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV
Taxonomic Richness	11	27	14	4	14	11	22	9	6	9	7	25	10	6	24	7	25	9	17	12
Cumulative Taxa	18		20		23		34		8		11		16		45		35		22	
Percent Dominant Taxon	43	5	34	11	42	18	37	17	57	22	47	54	39	33	31	27	21	29	29	27
Ephemeroptera Taxa	2	0	1	43	1	87	4	25	1	0	1	43	0	173	3	22	3	22	1	43
Plecoptera Taxa	0	-	0	-	0	-	1	43	0	-	0	-	0	-	0	173	0	-	0	-
Trichoptera Taxa	0	173	0	-	0	-	3	17	0	-	0	-	0	-	3	46	6	17	2	35
EPT Taxa	2	25	1	43	1	87	9	13	1	0	1	43	0	173	6	9	9	18	3	0
Cumulative EPT Taxa	3		2		2		13		1		2		1		12		11		4	
EPT Index (%)	66	15	21	44	17	117	27	16	7	28	17	27	1	173	16	32	44	15	8	48
Sensitive EPT Index (%)	0	-	0	-	0	-	14	39	0	-	0	-	0	-	10	31	26	29	0	-
Percent Chironomidae	11	59	12	70	16	21	45	21	27	41	25	53	57	17	55	4	33	11	10	60
Percent Hydropsychidae	0	-	0	-	0	-	1	49	0	-	0	-	0	-	1	87	6	9	1	111
Percent Baetidae	65	19	21	44	17	117	11	27	7	28	17	27	1	173	5	51	12	13	7	53
Shannon Diversity	1.5	16	1.9	8	1.8	7	2.1	7	1.1	9	1.3	34	1.7	12	2.2	3	2.6	7	2.2	9
Tolerance Value	5.1	7	7.0	6	7.0	5	5.3	12	6.0	2	6.2	8	5.7	3	5.8	9	4.9	7	7.0	2
Percent Intolerant Taxa (0-2)	0	-	0	-	0	173	14	38	0	-	0	-	0	-	10	32	8	31	1	114
Percent Tolerant Taxa (8-10)	9	115	49	21	51	28	19	85	8	66	15	98	7	19	15	67	13	51	48	13
Percent Collectors	85	8	53	28	40	81	63	24	41	36	55	50	30	58	56	28	53	14	28	17
Percent Filterers	14	37	14	34	10	52	11	50	58	25	45	62	48	21	37	46	29	29	9	77
Percent Grazers	1	173	31	59	45	64	20	65	0	-	0	173	1	107	3	29	13	24	57	18
Percent Predators	0	173	2	31	4	52	6	34	1	126	0	87	22	44	4	6	5	20	5	79
Percent Shredders	0	-	0	-	0	-	0	87	0	-	0	173	0	-	0	104	0	173	0	-

<i>WaterbodyName</i>	<b>San Juan Coastal Region (cont.)</b>						<b>Santa Margarita River Watershed</b>															
	<b>Devil's Cyn. Ck.</b>		<b>Silverado Creek</b>				<b>Santa Margarita River</b>						<b>Sandia Creek</b>				<b>Roblar Creek</b>		<b>De Luz</b>			
	<i>StationID</i>		<b>DCC-DC</b>		<b>SC-LCR</b>		<b>SC-AS</b>		<b>SMR-WGR</b>		<b>SMR-DP</b>		<b>SMR-DLR</b>		<b>SMR-CP</b>		<b>SC-SCR</b>		<b>SC-DLR</b>		<b>ROB-DLZ</b>	
	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	<b>CV</b>	<b>Mean</b>	
Taxonomic Richness	29	9	19	27	22	14	21	22	18	8	12	5	20	16	27	27	27	4	25	6	23	
Cumulative Taxa	42		29		30		33		27		30		42		41		16		40		38	
Percent Dominant Taxon	18	39	48	7	30	8	35	26	29	25	47	11	33	49	34	23	17	12	37	45	26	
Ephemeroptera Taxa	5	20	2	65	4	13	3	43	3	22	3	22	5	0	3	22	2	25	3	33	2	
Plecoptera Taxa	1	43	1	87	1	0	0	-	0	-	0	-	0	-	1	87	1	0	0	173	1	
Trichoptera Taxa	6	27	1	43	3	22	5	12	4	43	0	-	1	87	6	29	5	22	4	0	6	
EPT Taxa	12	25	4	35	8	13	7	21	7	23	3	22	6	10	9	22	9	18	7	8	8	
Cumulative EPT Taxa	17		7		11		10		8		7		14		12		3		11		12	
EPT Index (%)	38	32	12	30	45	5	29	46	74	11	35	90	62	27	48	20	33	16	19	41	62	
Sensitive EPT Index (%)	18	19	1	70	5	53	2	98	0	-	0	-	0	-	7	33	4	70	7	80	15	
Percent Chironomidae	28	17	70	7	27	27	25	69	15	27	28	76	12	53	24	14	16	31	29	56	14	
Percent Hydropsychidae	6	67	0	-	0	173	11	63	24	94	0	-	1	92	5	61	13	38	7	143	20	
Percent Baetidae	8	46	10	40	18	74	13	56	29	52	14	57	52	37	36	17	15	11	4	85	26	
Shannon Diversity	2.8	3	1.7	13	2.1	4	2.1	16	2.2	12	1.8	7	2.0	10	2.3	12	2.6	5	2.2	15	2.4	
Tolerance Value	5.5	6	5.5	2	5.7	9	5.5	2	5.0	3	5.7	4	5.5	19	5.2	7	5.3	1	6.3	10	4.3	
Percent Intolerant Taxa (0-2)	11	43	2	47	5	30	2	98	0	-	0	-	0	-	7	36	4	70	6	34	10	
Percent Tolerant Taxa (8-10)	26	32	11	38	27	58	2	52	2	26	9	36	15	119	7	74	19	20	45	49	1	
Percent Collectors	44	16	65	9	65	10	40	28	62	41	68	40	74	24	68	6	36	10	30	44	50	
Percent Filterers	22	34	21	40	9	32	46	28	32	72	29	81	20	82	18	34	36	13	24	53	32	
Percent Grazers	23	46	9	26	20	43	5	78	0	102	1	173	0	88	7	32	19	35	38	63	7	
Percent Predators	11	18	5	49	4	21	8	20	5	44	2	132	6	34	6	32	7	30	7	50	10	
Percent Shredders	0	-	0	-	1	53	0	-	0	87	0	-	0	-	1	103	2	52	0	173	1	

<i>WaterbodyName</i> : <u>Creek</u>	<b>San Luis Rey River Watershed</b>										<b>Carlsbad Region</b>		<b>San Dieguito River Watershed</b>							
	<b>Keys Creek</b>		<b>San Luis Rey River</b>				<b>French Creek</b>		<b>Fry Creek</b>		<b>Agua Hedionda</b>		<b>Black Mtn.</b>		<b>Boden Canyon Creek</b>				<b>Santa Ysabel</b>	
	<i>StationID</i> . <i>DLM</i> CV	<b>KC-LR</b> Mean CV	<b>SLRR-PG</b> Mean CV	<b>SLRR-395</b> Mean CV	<b>FC-PSP</b> Mean CV	<b>FC-FCC</b> Mean CV	<b>AHC-ECR</b> Mean CV	<b>BMC-CG</b> Mean CV	<b>BCN-1</b> Mean CV	<b>BCN-2</b> Mean CV	<b>SYC-H79</b> Mean CV									
Taxonomic Richness	24	23 17	17 16	9 11	26 13	29 12	18 11	29 17	24 2	17 18	19 11									
Cumulative Taxa		36	27	15	40	44	28	45	35	26	25									
Percent Dominant Taxon	45	34 32	32 32	55 22	29 44	32 4	44 35	26 42	18 3	39 30	57 24									
Ephemeroptera Taxa	69	2 35	2 50	1 0	4 16	4 16	3 22	4 13	2 50	2 92	5 45									
Plecoptera Taxa	87	1 43	0 173	0 -	0 173	4 42	0 -	1 87	2 35	0 173	0 173									
Trichoptera Taxa	10	5 12	3 58	0 -	4 35	0 173	1 87	7 38	4 13	4 25	1 0									
EPT Taxa	25	8 8	5 39	1 0	8 25	8 15	3 35	12 29	8 22	6 44	6 44									
Cumulative EPT Taxa		12	10	1	13	13	6	17	12	10	9									
EPT Index (%)	12	37 22	36 25	0 52	24 35	17 30	44 79	33 48	32 23	11 49	19 81									
Sensitive EPT Index (%)	23	8 12	1 87	0 -	6 40	16 25	0 -	15 66	26 31	7 32	13 102									
Percent Chironomidae	30	41 35	21 64	25 2	39 68	56 8	11 40	50 25	42 13	50 28	14 34									
Percent Hydropsychidae	47	11 55	1 65	0 -	3 120	0 -	0 173	9 52	3 24	0 173	0 -									
Percent Baetidae	48	17 31	32 32	0 52	5 80	1 68	44 81	5 29	2 72	2 89	5 43									
Shannon Diversity	12	2.2 8	1.9 20	1.2 19	2.4 13	2.3 5	1.8 22	2.6 11	2.6 4	1.9 14	1.6 20									
Tolerance Value	2	5.0 1	5.8 2	5.9 2	5.8 4	4.8 3	5.6 9	5.1 9	4.8 11	6.2 5	6.3 17									
Percent Intolerant Taxa (0-2)	29	8 14	1 90	0 -	5 37	17 24	0 173	8 82	11 82	1 87	13 99									
Percent Tolerant Taxa (8-10)	112	2 71	9 14	1 95	7 73	6 32	12 77	9 17	8 103	32 39	61 26									
Percent Collectors	27	54 15	58 11	56 55	53 28	49 20	63 46	53 17	36 10	49 32	12 26									
Percent Filterers	47	30 21	38 12	44 70	26 26	18 62	33 82	25 26	35 15	37 48	12 61									
Percent Grazers	13	2 52	1 91	0 -	4 19	8 54	1 150	11 65	8 52	8 56	71 13									
Percent Predators	48	11 37	4 74	0 110	14 58	24 84	3 29	10 29	19 10	6 9	4 53									
Percent Shredders	130	5 39	0 -	0 -	4 78	1 89	0 173	0 98	3 93	0 -	1 110									

WaterbodyName	Creek	Los Peñasquitos				San Diego River Watershed					Sweetwater River Watershed						
		Los Peñasquitos Ck.		Boulder Ck.		Cedar Creek		Conejos Creek			Cold Creek		Sweetwater River				
		StationID	SYC-NT Mean CV	LPC-BMR Mean CV	BC-BCR Mean CV	CC-CCR Mean CV	CON-ECR Mean CV	CC-CSP Mean CV	SWR-CSPD Mean CV	SWR-CSPU Mean CV	SWI Mean						
Taxonomic Richness	17	15	14	4	19	29	34	12	13	11	26	23	31	25	25	36	16
Cumulative Taxa	30		21		34		56		23		41		49		40		19
Percent Dominant Taxon	50	11	77	15	32	3	21	10	45	28	30	8	25	38	32	50	43
Ephemeroptera Taxa	4	25	2	0	2	99	4	13	1	87	3	35	4	42	4	63	1
Plecoptera Taxa	1	0	0	-	0	173	1	87	0	-	2	65	2	35	0	-	1
Trichoptera Taxa	2	50	1	100	1	0	5	25	2	89	2	69	4	63	3	57	1
EPT Taxa	7	25	3	33	4	57	10	12	4	57	7	48	9	38	6	60	3
Cumulative EPT Taxa	11		5		8		15		8		12		16		10		4
EPT Index (%)	17	16	9	43	5	56	44	19	5	106	7	38	21	62	19	84	8
Sensitive EPT Index (%)	12	32	0	-	0	110	35	12	1	64	6	48	10	60	8	121	4
Percent Chironomidae	76	5	4	23	70	29	33	19	61	18	52	13	36	46	48	43	50
Percent Hydropsychidae	0	-	0	99	0	-	1	173	0	173	0	-	5	154	1	125	0
Percent Baetidae	4	10	8	50	4	51	5	128	1	90	0	173	3	95	8	54	3
Shannon Diversity	1.7	8	1.0	33	1.9	9	2.7	6	1.5	19	2.1	11	2.7	15	2.3	21	1.7
Tolerance Value	4.9	5	5.9	0	5.7	0	4.3	7	6.8	7	5.2	5	5.8	11	5.6	5	6.1
Percent Intolerant Taxa (0-2)	9	57	0	-	1	61	27	47	0	99	7	44	8	73	5	115	4
Percent Tolerant Taxa (8-10)	2	84	4	64	1	28	8	64	30	25	5	50	24	42	11	28	33
Percent Collectors	65	7	14	52	44	17	46	12	38	29	28	19	47	32	61	11	25
Percent Filterers	29	19	81	7	42	22	27	12	47	22	30	11	30	54	25	8	33
Percent Grazers	1	142	0	43	1	62	19	32	11	118	7	71	5	37	3	89	35
Percent Predators	5	40	4	46	12	29	8	75	4	55	33	14	14	30	7	33	7
Percent Shredders	0	-	0	-	0	-	0	2	0	-	1	36	4	105	4	133	0

WaterbodyName	Otay River Watershed					Tijuana River Watershed										
	Jamul Creek					Kitchen Creek				Long Canyon Ck.		Noble Creek		North Pine Ck.		Troy Car
	StationID	JC-OLR		JC-GS		KC-KCR		KC-BCF		LCC-CFC		NC-PCR		NPC-NC		TCC
R-79	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	
Taxonomic Richness	4	17	20	16	13	26	20	18	24	15	14	21	12	25	2	23
Cumulative Taxa		27		22		41		25		26		34		38		39
Percent Dominant Taxon	17	39	29	39	64	42	37	39	22	42	11	43	9	25	39	41
Ephemeroptera Taxa	0	1	43	1	0	3	33	2	0	3	33	2	65	2	0	1
Plecoptera Taxa	87	0	-	0	-	1	43	1	0	2	50	1	0	2	50	1
Trichoptera Taxa	43	3	0	4	25	2	50	2	0	1	87	1	100	4	25	1
EPT Taxa	33	4	13	5	20	6	9	5	0	6	37	4	13	8	0	3
Cumulative EPT Taxa		6		6		10		6		10		8		11		8
EPT Index (%)	34	63	20	41	50	13	73	18	47	21	59	4	41	31	7	4
Sensitive EPT Index (%)	33	11	34	9	19	11	85	11	34	12	49	2	107	22	23	2
Percent Chironomidae	47	20	44	43	61	69	23	56	7	72	12	52	38	44	22	50
Percent Hydropsychidae	-	13	86	17	70	0	173	0	-	0	-	0	-	0	-	0
Percent Baetidae	25	39	31	16	75	2	76	3	70	9	72	1	87	0	-	0
Shannon Diversity	9	1.9	10	1.9	23	2.0	23	1.9	14	1.6	2	1.8	9	2.4	4	2.0
Tolerance Value	8	5.0	6	5.1	7	4.9	6	5.0	1	5.2	10	5.7	0	5.1	4	6.2
Percent Intolerant Taxa (0-2)	32	0	173	0	-	14	76	11	43	12	47	3	74	20	21	2
Percent Tolerant Taxa (8-10)	65	6	107	2	41	2	46	3	93	4	97	13	19	16	55	35
Percent Collectors	19	61	22	31	39	53	17	49	31	58	15	49	22	57	24	64
Percent Filterers	55	30	36	58	26	10	13	17	25	30	45	12	46	17	41	16
Percent Grazers	57	2	75	2	21	4	66	3	89	0	35	2	55	13	54	1
Percent Predators	45	7	44	9	36	31	18	30	45	12	45	36	46	13	34	18
Percent Shredders	87	0	173	0	-	1	66	0	173	0	104	0	173	0	115	1

**Tijuana River Watershed (cont.)**

<u>WaterbodyName</u> <u>yon Ck.</u>		<u>Wilson Creek</u>		<u>Middle Cottonwood</u>		<u>Pine Creek</u>		<u>Cottonwood Creek</u>		<u>La Posta Creek</u>		<u>Campo Creek</u>	
<i>StationID</i> -TC		WLC-ABL		MCC-BML		PC-H80		CC-H80		LPC-CTT		CC-H94	
	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV	Mean	CV
Taxonomic Richness	11	22	5	16	22	24	6	24	16	27	11	18	6
Cumulative Taxa		34		25		34		37		40		31	
Percent Dominant Taxon	45	31	3	33	20	34	24	41	42	32	55	45	28
Ephemeroptera Taxa	100	2	25	1	87	5	11	2	35	2	25	2	25
Plecoptera Taxa	87	1	43	2	0	1	87	2	0	1	43	1	43
Trichoptera Taxa	0	6	27	1	100	3	17	3	58	5	35	1	100
EPT Taxa	46	9	27	4	42	9	6	7	35	9	29	5	25
Cumulative EPT Taxa		15		5		13		8		12		10	
EPT Index (%)	68	24	9	7	55	25	19	12	68	21	55	9	14
Sensitive EPT Index (%)	55	5	43	3	23	3	69	7	64	4	77	3	120
Percent Chironomidae	41	53	3	63	14	51	15	26	96	43	27	74	18
Percent Hydropsychidae	-	0	173	0	-	2	49	2	123	2	123	0	173
Percent Baetidae	173	15	35	4	87	16	25	3	66	13	56	5	65
Shannon Diversity	11	2.2	6	1.8	8	2.3	7	2.1	20	2.3	19	1.8	21
Tolerance Value	11	5.7	3	5.9	2	5.5	1	5.5	27	5.6	14	5.5	8
Percent Intolerant Taxa (0-2)	48	5	48	3	22	3	75	12	66	3	50	3	124
Percent Tolerant Taxa (8-10)	61	17	20	9	45	8	41	25	165	21	90	10	108
Percent Collectors	22	54	21	42	20	67	11	36	67	74	4	62	15
Percent Filterers	37	32	22	53	16	24	32	16	31	11	23	29	24
Percent Grazers	57	9	50	2	36	3	74	36	67	3	39	2	42
Percent Predators	47	5	62	2	68	5	18	8	41	10	69	6	93
Percent Shredders	127	1	90	2	30	1	36	4	56	1	29	2	135