

	Aliso Creek			Aliso Creek			Arroyo Trabuco			Temecula Creek			Rainbow Creek			Sandia Creek			Santa Margarita			Santa Margarita			Santa Mar	
Site:	AC-PPD			AC-CCR			ATC-AP			TC-I15			RC-WGR			SC-SCR			SMR-WGR			SMR-DP			SMR-4	
Transect Number:	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2
BL Laboratory Number:	1	2	3	4	5	6	7	8	9	10	11	12	3674	3675	3676	3671	3672	3673	3677	3678	3679	3668	3669	3670	3665	3666
Taxonomic Richness	19	19	14	16	17	27	21	18	22	22	26	26	29	29	28	26	29	32	23	23	18	21	16	19	24	29
Percent Dominant Taxon	28	27	39	24	40	18	27	49	21	34	23	27	30	22	27	16	18	24	37	45	46	32	38	27	28	36
Ephemeroptera Taxa	1	2	2	2	2	2	3	2	1	2	3	3	3	1	1	2	3	2	3	2	3	3	2	2	2	2
Plecoptera Taxa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera Taxa	0	1	1	1	0	0	2	2	3	3	5	3	4	3	4	6	10	8	5	5	4	3	3	3	1	1
EPT Taxa	1	3	3	3	2	2	5	4	4	5	8	6	7	4	5	8	13	10	8	7	7	6	5	5	3	3
EPT Index (%)	15	21	45	40	44	21	19	9	23	41	40	14	54	32	25	52	72	46	71	73	71	40	50	41	11	11
Sensitive EPT Index (%)	0	0	0	0	0	0	2	1	1	0	1	0	0	0	0	13	17	14	0	0	0	0	0	0	4	6
Shannon Diversity	2.0	2.2	1.6	2.2	1.8	2.6	2.3	1.8	2.2	2.0	2.5	2.4	2.5	2.6	2.5	2.7	2.7	2.6	2.2	2.0	1.9	2.3	1.9	2.2	2.5	2.5
Tolerance Value	6.4	5.6	6.1	5.4	6.1	6.2	5.4	5.7	5.3	5.0	5.1	5.8	4.9	5.6	5.4	4.2	4.2	5.4	4.7	4.6	4.5	4.7	4.5	4.7	6.2	7.3
Percent Intolerant Taxa (0-2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13	8	7	7	12	5	3	1	0	0
Percent Tolerant Taxa (8-10)	47	20	46	4	28	30	7	5	10	3	3	20	5	14	16	1	2	13	1	3	1	4	5	1	33	53
Percent Chironomidae	2	0	1	7	2	10	30	50	11	37	25	2	13	16	4	0	1	5	6	1	1	2	0	1	6	16
Percent Collectors	64	52	94	46	81	75	34	25	44	37	25	24	15	18	11	35	32	67	56	55	63	26	16	20	62	33
Percent Filterers	0	10	1	24	2	1	32	50	11	47	52	17	57	59	37	33	40	5	34	29	27	35	49	40	16	42
Percent Grazers	3	2	3	7	1	4	16	13	23	0	0	0	4	5	10	23	17	15	3	6	4	0	0	1	0	1
Percent Predators	33	35	2	21	15	20	18	13	21	16	20	56	22	14	37	8	10	8	6	10	6	39	35	39	21	23
Percent Shredders	0	0	0	0	0	0	1	0	1	0	3	3	2	4	5	0	1	5	0	0	0	0	0	0	1	1
Abundance (#/ sample)	1489	1443	2322	765	636	936	4656	####	4676	1679	1163	1053	2374	978	2283	4455	4749	2880	1818	5168	4469	3545	1413	1505	846	344

	Paragaita	Keys Creek			San Luis Rey R.			San Luis Rey R.			San Luis Rey R.			San Luis Rey R.			Loma Alta Cr.			Buena Vista Cr.			Buena Vista Cr.		
	Site: CP	KC-LR			SLRR-PG			SLRR-395			SLRR-MR			SLRR-FR			LAC-CB			BVR-ED			BVR-SVW		
<i>Transect Number:</i>	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3
<i>BL Laboratory Number:</i>	3667	3668	3669	###	3671	3672	3673	3674	3675	3676	3677	3678	3679	3680	3681	3682	3683	3684	3685	3686	3687	3688	3689	3690	3691
Taxonomic Richness	15	25	19	21	17	18	15	34	21	22	30	19	29	11	10	6	16	11	14	18	22	22	14	11	5
Percent Dominant Taxon	86	43	23	33	42	38	47	22	42	48	44	29	26	91	84	86	62	80	49	43	26	24	75	59	86
Ephemeroptera Taxa	0	1	1	1	2	2	2	3	3	1	2	2	1	0	0	0	0	0	0	1	2	2	2	1	1
Plecoptera Taxa	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera Taxa	1	5	3	4	3	3	3	2	1	2	3	4	4	0	0	0	0	0	0	1	1	2	1	1	1
EPT Taxa	1	7	5	6	6	5	5	5	4	3	5	6	5	0	0	0	0	0	0	2	3	4	3	2	2
EPT Index (%)	0	70	60	51	61	52	64	27	11	9	16	41	34	0	0	0	0	0	0	9	30	25	7	14	6
Sensitive EPT Index (%)	0	23	31	22	0	1	0	0	0	0	1	4	13	0	0	0	0	0	0	0	0	0	0	0	0
Shannon Diversity	0.7	2.1	2.3	2.1	1.8	1.7	1.6	2.5	2.1	1.9	2.3	2.1	2.4	0.4	0.7	0.5	1.4	0.8	1.6	2.1	2.3	2.3	1.0	1.3	0.6
Tolerance Value	5.2	4.0	4.1	4.6	5.2	5.3	5.0	6.3	8.0	8.2	5.9	5.7	5.8	9.6	9.3	9.4	7.3	7.5	6.0	6.7	6.1	6.3	7.3	6.8	7.6
Percent Intolerant Taxa (0-2)	0	24	30	20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent Tolerant Taxa (8-10)	4	3	6	1	10	12	4	41	69	69	10	17	21	92	84	87	73	85	33	22	24	40	78	60	86
Percent Chironomidae	2	6	7	5	23	32	27	10	9	1	6	10	28	1	3	1	4	1	1	19	12	11	11	26	8
Percent Collectors	94	12	18	16	78	87	81	70	45	28	34	56	52	92	88	88	77	86	37	82	80	75	95	87	97
Percent Filterers	1	48	39	52	18	9	17	16	44	49	49	31	7	1	0	0	1	0	1	1	2	2	1	9	0
Percent Grazers	0	1	2	2	0	1	0	4	2	3	0	2	1	3	3	0	0	0	0	7	8	8	0	3	3
Percent Predators	4	16	12	10	4	3	3	9	8	19	16	12	40	4	8	12	22	13	63	9	11	15	4	0	0
Percent Shredders	0	23	30	20	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abundance (#/ sample)	5740	1366	277	1373	1533	3652	3562	327	1066	669	2730	2385	793	2449	1933	2228	1380	3346	8408	2597	2072	1048	9826	6190	5757

	Agua Hedionda			San Marcos Cr.			San Marcos Cr.			San Marcos Cr.			San Marcos Cr.			Encinitas Cr.			Escondido Cr.			Escondido Cr.			Los Penas	
Site:	AHC-ECR			SMC-SP			SMC-M			SMC-RSFR			SMC-LCCC			ENC-GVR			EC-HRB			EC-EF			LPC-C	
Transect Number:	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2
BL Laboratory Number:	3692	3693	3694	3695	3696	3697	3698	3699	3700	3701	3702	3703	3704	3705	3706	3707	3708	3709	3710	3711	3712	3713	3714	3715	3716	3717
Taxonomic Richness	17	14	10	10	14	21	19	20	22	19	16	19	19	27	22	12	17	15	14	13	14	13	15	14	22	21
Percent Dominant Taxon	21	47	64	56	32	53	21	20	23	22	73	72	40	32	33	24	33	51	48	39	30	39	46	64	35	30
Ephemeroptera Taxa	2	1	0	0	2	2	2	2	2	0	0	1	1	1	0	0	0	0	1	1	1	1	3	2	2	2
Plecoptera Taxa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera Taxa	0	1	0	0	0	0	1	1	1	0	1	1	1	1	1	0	1	0	2	0	1	3	2	2	3	3
EPT Taxa	2	2	0	0	2	2	3	3	3	0	1	2	2	2	1	0	1	0	3	1	2	4	5	4	5	5
EPT Index (%)	2	1	0	0	3	6	24	20	35	0	1	1	8	7	2	0	0	0	53	39	31	81	72	86	54	64
Sensitive EPT Index (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shannon Diversity	2.2	1.8	1.2	1.5	2.1	1.9	2.3	2.5	2.3	2.5	1.1	1.2	1.8	2.4	2.2	2.0	2.1	1.7	1.7	1.7	2.0	1.6	1.7	1.3	2.3	2.1
Tolerance Value	6.8	7.1	7.9	7.7	7.4	5.8	7.4	6.3	5.6	6.4	8.2	7.6	6.8	6.6	6.3	7.6	6.4	6.4	5.5	5.6	6.2	4.5	4.7	4.4	5.1	4.7
Percent Intolerant Taxa (0-2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Percent Tolerant Taxa (8-10)	49	64	84	83	59	23	63	41	25	34	77	79	43	40	31	69	34	25	21	28	34	1	5	2	14	4
Percent Chironomidae	23	11	4	11	9	59	5	22	30	50	18	13	35	26	42	24	37	18	11	21	22	6	11	7	16	15
Percent Collectors	56	65	68	92	68	83	70	71	82	64	87	89	88	67	68	93	67	42	91	89	94	32	34	22	65	43
Percent Filterers	21	11	20	4	12	5	21	14	7	16	10	3	1	8	6	1	18	52	3	5	3	61	51	75	17	33
Percent Grazers	0	1	1	0	0	0	1	2	2	0	1	0	7	6	2	3	3	1	4	0	1	0	4	0	1	1
Percent Predators	24	23	11	4	19	11	7	13	8	17	3	7	2	19	23	3	12	4	2	5	2	6	10	2	16	22
Percent Shredders	0	0	0	0	1	1	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	1
Abundance (#/ sample)	697	1412	815	105	69	561	569	969	1173	111	791	1610	7073	1797	911	68	839	2189	2995	6493	2791	2563	2950	2778	1448	1545

	Penasquitos	Los Penasquitos			Carrol Canyon			San Diego R.			San Diego R.			San Diego R.			Tecolote Creek			Sweetwater R.			Sweetwater R.		
	Site: CR	LPC-BMR			CCC-805			SDR-MD			SDR-MT			SDR-1			TC-TCNP			SR-79			SR-94		
<i>Transect Number:</i>	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3
<i>BL Laboratory Number:</i>	3718	3719	3720	3721	3722	3723	3724	3725	3726	3727	3728	3729	3730	3731	3732	3733	3734	3735	3736	3737	3738	3739	3740	3741	3742
Taxonomic Richness	17	19	15	28	20	21	16	23	21	14	25	21	17	5	18	20	21	16	17	37	30	40	15	20	24
Percent Dominant Taxon	19	30	51	22	39	29	52	33	22	30	20	25	26	98	41	41	26	37	49	25	27	18	46	26	18
Ephemeroptera Taxa	2	2	2	2	2	2	3	2	2	1	3	2	2	0	1	1	0	0	0	2	2	3	0	0	0
Plecoptera Taxa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	3	0	0	0
Trichoptera Taxa	1	3	1	2	2	2	1	1	0	1	4	4	2	0	0	0	2	1	2	4	2	6	1	0	0
EPT Taxa	3	5	3	4	4	4	4	3	2	2	7	6	4	0	1	1	2	1	2	10	8	12	1	0	0
EPT Index (%)	20	59	19	26	12	17	54	3	2	1	57	63	27	0	4	8	27	8	10	27	21	44	0	0	0
Sensitive EPT Index (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	5	27	0	0	0
Shannon Diversity	2.4	2.2	1.7	2.5	2.1	2.3	1.6	2.3	2.3	2.1	2.4	2.2	2.0	0.1	2.0	2.2	2.2	1.8	1.8	2.8	2.5	2.9	1.6	2.2	2.6
Tolerance Value	6.6	5.3	6.4	6.6	5.7	5.6	5.2	7.2	7.0	7.7	4.8	4.9	5.6	6.0	6.8	6.9	6.0	6.4	6.1	5.7	5.8	4.2	7.6	6.7	7.7
Percent Intolerant Taxa (0-2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	5	27	0	0	0
Percent Tolerant Taxa (8-10)	30	9	17	28	8	13	20	47	49	58	2	8	20	0	41	36	6	25	9	41	14	4	50	61	79
Percent Chironomidae	11	2	6	6	21	11	19	8	5	6	1	1	1	0	3	7	32	58	58	2	21	24	0	1	6
Percent Collectors	32	45	27	39	28	34	85	23	43	35	36	32	21	0	45	35	44	47	77	48	78	44	50	40	58
Percent Filterers	35	32	65	42	40	31	1	50	29	45	26	39	26	98	42	46	10	37	6	1	3	13	23	0	0
Percent Grazers	0	3	1	4	0	0	1	0	5	6	3	1	1	0	1	14	28	9	10	16	2	20	0	24	18
Percent Predators	33	20	6	13	32	35	13	24	24	14	29	26	52	2	12	5	19	7	6	28	13	15	26	35	23
Percent Shredders	0	0	0	1	0	0	0	3	0	0	6	1	0	0	0	0	0	1	0	7	4	9	0	1	1
Abundance (#/ sample)	363	1381	436	271	1077	1121	1532	3155	2524	3838	989	2341	1515	9298	3559	1905	1436	624	1953	892	4910	3768	293	142	357

Sweetwater R.

Site: **SR-WS**

Transect Number: T1 T2 T3
BL Laboratory Number: 3743 3744 3745

Taxonomic Richness	24	24	26
Percent Dominant Taxon	39	34	28
Ephemeroptera Taxa	1	0	1
Plecoptera Taxa	0	0	0
Trichoptera Taxa	0	0	0
EPT Taxa	1	0	1
EPT Index (%)	0	0	0
Sensitive EPT Index (%)	0	0	0
Shannon Diversity	2.1	2.3	2.4
Tolerance Value	7.0	7.0	6.8
Percent Intolerant Taxa (0-2)	0	0	0
Percent Tolerant Taxa (8-10)	32	39	37
Percent Chironomidae	12	5	17
Percent Collectors	19	34	44
Percent Filterers	63	22	38
Percent Grazers	2	2	1
Percent Predators	15	41	17
Percent Shredders	1	1	0
Abundance (#/ sample)	529	1023	826