

	Aliso Creek AC-CCR			Arroyo Trabuco ATC-AP			San Juan Creek SJC-74			Murrieta Creek MC-GS			Temecula Creek TC-I15			Rainbow Creek RC-WGR			Sandia Creek SC-DR			Sandia Creek SC-SCR			Santa Marg SMR-W	
Site:	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
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
ABL Laboratory Number:	3872	3873	3874	3878	3879	3880	3875	3876	3877	3893	3894	3895	3890	3891	3892	3884	3885	3886	3902	3903	3904	3899	3900	3901	3887	3888
Taxonomic Richness	17	16	18	21	17	16	21	18	19	20	21	21	18	20	18	13	18	18	29	35	32	22	27	30	21	18
Cumulative Taxa	26			28			31			31			25			27			48			40			28	
Percent Dominant Taxon	47	34	39	30	42	32	30	56	28	47	41	30	32	36	41	31	25	22	24	13	21	30	26	16	32	32
Ephemeroptera Taxa	2	2	2	2	2	2	3	2	3	3	3	2	3	1	3	1	1	2	2	2	3	2	3	4	3	4
Plecoptera Taxa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Trichoptera Taxa	1	1	1	0	0	0	1	1	0	2	3	1	4	3	4	0	0	1	7	7	5	7	5	5	4	4
EPT Taxa	3	3	3	2	2	2	4	3	3	5	6	3	7	4	7	1	1	3	10	9	9	9	8	9	7	8
Cumulative EPT Taxa	3			2			4			7			7			3			14			11			8	
EPT Index (%)	24	22	22	47	74	58	40	64	45	14	50	43	19	8	30	5	2	15	31	35	21	78	45	55	43	69
Sensitive EPT Index (%)	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	7	8	4	2	9	11	0	0
Shannon Diversity	1.8	1.7	1.9	2.1	1.6	1.8	2.1	1.6	1.9	1.9	2.1	2.1	1.9	1.8	2.0	1.7	2.1	2.2	2.6	2.9	2.8	1.9	2.5	2.7	2.1	2.2
Tolerance Value	5.9	5.5	5.8	5.2	4.7	4.9	5.1	5.1	4.9	7.0	5.8	5.9	5.5	5.7	5.5	6.1	8.0	6.0	4.8	5.6	6.2	4.7	5.0	5.1	6.1	5.2
Percent Intolerant Taxa (0-2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	0	0	0	1	0
Percent Tolerant Taxa (8-10)	17	10	16	13	2	1	12	4	11	62	22	26	4	7	5	21	72	32	13	31	40	1	6	9	33	10
Percent Chironomidae	8	30	20	20	13	13	8	15	13	16	14	12	67	73	59	62	21	25	40	20	18	11	31	24	13	9
Percent Collectors	45	60	55	84	90	74	55	76	61	84	81	74	53	46	39	57	68	51	50	51	56	35	59	60	77	49
Percent Filterers	47	35	41	10	4	15	2	3	0	13	15	20	37	45	54	40	2	5	21	25	15	56	21	25	12	37
Percent Grazers	1	2	1	1	4	1	0	1	0	2	2	1	1	1	2	0	26	22	6	14	16	2	3	7	5	7
Percent Predators	6	3	3	5	2	9	43	19	38	2	3	5	9	8	5	1	3	21	6	5	7	7	16	7	6	7
Percent Shredders	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	1	5	5	7	0	2	1	0	0
Abundance (#/ sample)	798	836	472	907	1911	1796	1847	3311	1639	1733	1240	3527	4354	8063	2734	2396	475	1531	3186	1245	1465	1353	2687	1035	2003	7134

	Santa Margarita	Santa Margarita			Santa Margarita			Keys Creek			San Luis Rey R.			San Luis Rey R.			San Luis Rey R.			Loma Alta Cr.			Buena Vista		
	GR	SMR-DP			SMR-CP			KC-LR			SLRR-PG			SLRR-395			SLRR-MR			LAC-ECR			BVR-SVW		
<i>Site:</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>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>ABL Laboratory Number:</i>	3889	3896	3897	3898	3881	3882	3883	3911	3912	3913	3914	3915	3916	3908	3909	3910	3905	3906	3907	3917	3918	3919	3920	3921	3922
Taxonomic Richness	19	21	14	14	17	17	14	31	32	27	26	16	18	21	22	19	9	16	20	19	20	16	13	12	14
Cumulative Taxa		31			22			46			35			29			22			29			18		
Percent Dominant Taxon	53	35	33	46	32	49	54	17	33	37	20	44	30	36	23	35	33	24	40	33	44	29	33	41	24
Ephemeroptera Taxa	3	4	2	3	5	6	5	1	1	1	4	3	2	1	1	1	3	3	3	0	1	0	1	0	2
Plecoptera Taxa	0	0	0	0	0	0	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trichoptera Taxa	3	1	3	3	1	1	0	5	4	4	5	5	4	0	0	1	0	0	0	0	0	1	0	1	1
EPT Taxa	6	5	5	6	6	7	5	7	8	7	10	8	6	1	1	2	3	3	3	0	1	1	1	1	3
Cumulative EPT Taxa		8			7			12			12			2			3			2			3		
EPT Index (%)	74	48	45	85	89	78	90	52	36	32	22	57	38	3	4	10	70	55	35	0	0	7	1	0	22
Sensitive EPT Index (%)	0	0	2	2	2	1	0	15	6	22	4	5	2	0	0	0	0	0	0	0	0	0	0	0	0
Shannon Diversity	1.8	2.0	1.8	1.7	1.8	1.8	1.5	2.6	2.5	2.3	2.4	1.8	2.1	2.0	2.5	2.1	1.7	2.0	1.9	2.2	1.9	2.1	1.8	1.7	2.2
Tolerance Value	5.2	5.5	5.2	4.9	4.5	4.8	4.5	4.7	4.9	4.7	6.1	5.6	5.8	6.0	7.0	5.9	5.3	5.5	5.6	6.8	7.7	7.1	7.8	7.0	6.6
Percent Intolerant Taxa (0-2)	1	0	0	0	0	0	0	16	8	22	4	5	2	0	0	0	0	0	0	0	0	0	0	0	0
Percent Tolerant Taxa (8-10)	5	13	7	3	7	10	6	4	3	8	26	20	17	15	58	23	10	14	9	43	69	62	76	49	41
Percent Chironomidae	5	31	34	4	2	6	3	18	40	46	38	19	17	75	31	61	3	8	14	30	8	24	23	50	38
Percent Collectors	73	79	83	60	87	89	87	33	59	52	61	80	61	56	77	69	79	73	58	60	77	82	82	55	70
Percent Filterers	12	17	15	34	1	7	4	38	21	13	36	16	36	39	19	29	21	26	40	12	1	3	17	41	10
Percent Grazers	7	2	0	0	0	1	7	2	3	5	1	4	1	0	0	0	0	0	0	1	1	7	0	2	19
Percent Predators	6	2	2	6	2	1	1	11	10	9	1	0	2	5	4	2	0	1	2	26	21	8	0	2	0
Percent Shredders	1	1	0	0	11	2	1	15	5	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Abundance (#/ sample)	4432	8429	7403	7156	786	1014	850	952	1137	952	820	697	518	1365	873	1252	1318	282	811	159	400	608	1163	1594	511

	Agua Hedionda AHC-ECR			San Marcos Cr. SMC-M			San Marcos Cr. SMC-LCCC			Encinitas Creek ENC-RSFR			Encinitas Creek ENC-GVR			Chicarita Creek CC-ECR			Escondido Cr. EC-EF			Santa Ysabel Cr. SYC-79			Rattlesnak RC-HI	
<i>Site:</i>	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
<i>Transect Number:</i>	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
<i>ABL Laboratory Number:</i>	3923	3924	3925	5050	5051	5052	3926	3927	3928	3932	3933	3934	3929	3930	3931	3935	3936	3937	5044	5045	5046	5053	5054	5055	5047	5048
Taxonomic Richness	20	19	25	15	17	18	21	22	28	24	11	11	13	21	12	17	12	10	17	19	15	17	28	21	16	15
Cumulative Taxa	29			23			42			27			25			20			25			39			21	
Percent Dominant Taxon	34	24	35	52	48	71	33	19	17	24	61	61	62	56	89	44	32	24	28	20	39	65	23	41	34	31
Ephemeroptera Taxa	2	2	2	2	2	2	2	2	3	0	0	0	0	0	0	2	2	2	2	3	3	3	3	5	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	1	0	0	0
Trichoptera Taxa	0	0	2	1	1	1	2	2	0	1	0	1	0	0	0	1	1	1	4	4	4	2	2	2	1	1
EPT Taxa	2	2	4	3	3	3	4	4	3	1	0	1	0	0	0	3	3	3	6	7	7	5	6	7	3	3
Cumulative EPT Taxa	4			3			6			2			0			3			7			11			3	
EPT Index (%)	38	29	33	18	15	7	50	46	9	0	0	0	0	0	0	55	20	49	62	49	77	12	12	18	8	28
Sensitive EPT Index (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	6	0	0
Shannon Diversity	2.2	2.2	2.2	1.5	1.8	1.2	2.2	2.4	2.7	2.4	1.2	1.2	1.4	1.7	0.6	1.9	1.9	1.9	2.0	2.2	1.9	1.5	2.3	1.9	2.1	1.9
Tolerance Value	5.9	6.6	6.2	7.1	6.9	7.5	5.5	5.7	6.7	6.8	8.5	8.5	6.1	6.1	6.1	5.3	5.5	5.6	4.8	5.0	4.9	5.8	5.7	5.8	5.9	6.1
Percent Intolerant Taxa (0-2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	4	6	0	0
Percent Tolerant Taxa (8-10)	29	47	43	71	59	84	13	20	45	44	93	92	10	12	4	6	2	1	1	2	0	8	8	12	21	38
Percent Chironomidae	20	13	11	7	22	4	15	16	13	41	5	1	75	66	93	22	42	38	15	23	6	12	46	47	70	33
Percent Collectors	82	67	83	93	94	94	66	60	53	52	94	89	21	19	9	69	42	44	46	41	52	20	33	25	74	53
Percent Filterers	14	23	9	1	4	4	19	2	29	26	4	1	74	72	90	14	43	18	32	35	26	71	53	62	8	3
Percent Grazers	0	0	1	2	0	1	3	16	0	4	0	0	2	4	0	3	1	24	2	4	6	6	6	10	4	32
Percent Predators	5	9	7	4	2	1	11	22	18	18	2	10	1	3	1	15	14	15	20	19	16	3	7	3	14	13
Percent Shredders	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Abundance (#/ sample)	606	932	1191	1734	3412	2207	1867	1213	997	401	148	269	1095	2920	1991	1722	3086	2840	2019	1191	1542	6825	2620	963	1322	1493

Transect Number: ABL Laboratory Number:	Site:	Carroll Canyon CCC-805			San Diego R. SDR-MT			Tecolote Creek TC-TCNP			Troy Canyon Cr. TCC-TC			Pine Creek PC-H80			Cottonwood Cr. CC-H80		
	e Cr. P	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3
	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3	T1	T2	T3
	5049	3938	3939	3940	5056	5057	5058	3941	3942	3943	5041	5042	5043	5038	5039	5040	5035	5036	5037
Taxonomic Richness	16	18	14	15	16	12	17	19	13	14	38	33	33	39	24	35	26	27	27
Cumulative Taxa		23			25			23			62			51			42		
Percent Dominant Taxon	38	23	33	27	38	37	27	51	37	46	18	58	59	15	23	16	19	22	26
Ephemeroptera Taxa	2	2	2	2	2	2	2	0	0	0	4	5	5	6	3	5	4	2	2
Plecoptera Taxa	0	0	0	0	0	0	0	0	0	0	1	3	3	0	1	0	1	3	1
Trichoptera Taxa	1	2	1	2	4	4	2	1	1	1	7	9	4	9	4	8	5	5	7
EPT Taxa	3	4	3	4	6	6	4	1	1	1	12	17	12	15	8	13	10	10	10
Cumulative EPT Taxa		4			6			1			23			19			16		
EPT Index (%)	21	48	45	56	23	52	41	1	3	2	41	25	15	41	48	46	44	35	48
Sensitive EPT Index (%)	0	0	0	0	0	0	0	0	0	0	30	14	12	17	14	26	35	24	34
Shannon Diversity	1.9	2.2	1.9	2.0	1.9	1.8	2.3	1.7	1.9	1.7	2.9	2.0	1.9	3.0	2.3	2.9	2.7	2.6	2.5
Tolerance Value	6.5	5.5	5.4	5.3	5.0	5.0	5.8	7.0	7.1	6.9	4.4	4.4	4.8	4.8	4.2	4.4	4.7	4.6	4.1
Percent Intolerant Taxa (0-2)	0	0	0	0	0	0	0	0	0	0	22	13	11	18	14	27	36	25	36
Percent Tolerant Taxa (8-10)	50	12	2	3	3	1	17	56	58	50	6	0	3	9	2	19	28	7	6
Percent Chironomidae	27	22	15	14	28	7	2	39	32	39	34	64	72	39	20	11	21	48	37
Percent Collectors	51	64	50	56	37	34	41	87	66	67	42	69	69	33	49	35	30	46	40
Percent Filterers	3	19	34	25	16	19	37	4	18	19	23	13	12	23	33	15	8	8	13
Percent Grazers	39	3	3	9	3	9	10	2	3	3	6	7	4	25	13	42	25	8	8
Percent Predators	7	14	12	9	44	38	10	7	13	10	8	5	10	18	6	6	8	18	9
Percent Shredders	0	0	0	0	0	0	0	0	0	0	20	7	6	2	0	1	29	20	31
Abundance (#/ sample)	1038	1552	1497	1116	1349	1691	876	1027	3171	2955	887	733	2696	1847	2074	804	1470	####	3018