

Table IX-6

Biological metric values for benthic macroinvertebrate (BMI) assemblages sampled from the Carmel River in October/November 2006, Monterey County.

Metrics	Carmel River Sites				
	CRLP	CRCA	CRSH	CRSP	CRRR
Taxonomic Richness	40	25	24	20	23
EPT Taxa	19	6	7	11	8
Ephemeroptera Taxa	7	2	2	2	2
Plecoptera Taxa	6	0	1	2	1
Trichoptera Taxa	6	4	4	7	5
EPT Index (%)	41	45	30	75	77
Sensitive EPT Index (%)	18	3.9	1.0	6.7	20
Shannon Diversity	2.7	2.3	2.2	1.8	2.3
Dominant Taxon (%)	21	27	35	46	25
Tolerance Value	4.4	5.7	5.7	4.9	3.9
Intolerant Organisms (%)	18	3.9	1.0	6.7	20
Tolerant Organisms (%)	4.3	15	6.0	3.9	8.0
Collector-Gatherers (%)	59	45	39	49	24
Collector-Filterers (%)	13	25	39	33	28
Scrapers (%)	13	10	7.7	6.3	3.9
Predators (%)	9.6	14	13	4.3	13
Shredders (%)	3.3	0.0	1.2	2.9	0.4
Other (%)	1.8	5.1	0.6	4.5	31
<b>Estimated Abundance</b>					
Composite sample (18 ft <sup>2</sup> )	2300	4100	1600	3600	8900
Site (BMIs/ft <sup>2</sup> )	128	228	89	200	494
Site (BMIs/m <sup>2</sup> )	1376	2452	957	2153	5323
<b>Estimated Biovolume</b>					
ml/ft <sup>2</sup>	0.23	0.58	0.16	0.34	1.0
ml/m <sup>2</sup>	2.5	6.2	1.7	3.7	11
<b>IBI Metrics</b>					
Intolerant Individuals (%)	18	3.9	1.0	6.7	20
CG Taxa + CF Taxa (%)	35	44	54	50	35
Non-Insect Taxa (%)	10	36	29	25	39
Tolerant Taxa (%)	13	28	25	20	35
Coleoptera Richness	4	0	1	0	1
Predator Richness	13	10	7	5	7
EPT Richness	19	6	7	11	8

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