

APPENDIX J

**Carmel River benthic macroinvertebrate taxa lists from
samples collected in March and May 1982
(Fields 1984)**

Benthic Insect Samples from the Carmel River, March 10-12, 1982.

Source: Fields, W.C. 1986.

INSECTS: Sampling Sites (three Surber samples/site)*												
Order	Family	Genus & Species	San Clemente Road	Filter Plant	Paso Hondo Road	Boronda Road	Garland Park	Riverside Park	San Carlos Road	Total Number	Percent by Number	
Ephemeroptera	Heptageniidae	Epeorus longimanus		1						1	0.03%	
	Baetidae	Baetus tricaudatus	50	37	20	27	25	4	2	165	4.98%	
	Leptophlebiidae	Paraleptophlebia sp.	2							2	0.06%	
	Tircorthyidae	Triorthyodes sp.			1		2		5	8	0.24%	
Plecoptera	Nemouridae	Amphinemura sp.			1					1	0.03%	
	Taeniopterygidae	Taenionema pacificum		1	3	1	13			18	0.54%	
	Capniidae	Capnia umpqua	1	2	52	90	87	3	6	241	7.27%	
	Perlodidae	Isoperla pinta				1					1	0.03%
		Cultus sp.		2				1			3	0.09%
		Kogotus sp.		1							1	0.03%
Unidentified		1							1	0.03%		
Megaloptera	Corydalidae	Neohermes sp.		1						1	0.03%	
Trichoptera	Brachycentridae	Micrasema sp.				8	2			10	0.30%	
	Glossosomatidae	Agapetus marlo		1		9	66		2	78	2.35%	
		Glossosoma sp.						1			1	0.03%
	Hydropsychidae	Cheumatopsyche mickeli			4	6	14				24	0.72%
		Hydropsyche californica			2	3	8	5			18	0.54%
		Symphitopsyche sp.			2						2	0.06%
	Lepidostomatidae	Lepidostoma sp.					1			1	0.03%	
	Leptoceridae	Oecetis avara				1				1	0.03%	
	Philopotamidae	Wormaldia gabriella		3						3	0.09%	
	Psychomyiidae	Tinodes sp.					1			1	0.03%	
	Rhyacophilidae	Rhyacophila argelita		4						4	0.12%	
	Sericostomatidae	Gumaga griseola							1	1	0.03%	

Diptera	Tipulidae	Antocha sp.			2		1			3	0.09%
	Blephariceridae	Agathon doanei				2				2	0.06%
		Agathon comstocki	1							1	0.03%
	Simuliidae	Prosimulium dicum	285	115	230	132	1	5	2	770	23.24%
		Simulium arcticum	181	19	6	9	1			216	6.52%
		Simulium aureum	67	11	16	30	3	4		131	3.95%
		Simulium canadense	3							3	0.09%
		Simulium sp. A	98	79	308	194	114	70	34	897	27.08%
		Simulium argus	3	2	1					6	0.18%
	Chironomidae	Thienemannimyia Group							1	1	0.03%
		Micropsectra sp.				1				1	0.03%
		Paratanytarsus sp. A				1				1	0.03%
		Rheotanytarsus sp.	2							2	0.06%
		Microtendipes sp.	1	1						2	0.06%
		Polypedilium sp. A	5	2	1		5		2	15	0.45%
		Phaenopsectra sp.				1	2			3	0.09%
		Brillia sp.			1	8				9	0.27%
		Cricotopus (laricomalis gp.)	4		1		5		1	11	0.33%
		Cricotopus (trifascia gp.)					1			1	0.03%
		Eukiefferiella (discoloripes gp.)	3	1		2	1			7	0.21%
		Heterotrissocladius latilaminus		1						1	0.03%
		Orthocladius obumbrus	4	1		10	11		4	30	0.91%
		Orthocladius euorthocladius	21	6	155	86	244	48	33	593	17.90%
		Parakeifferiella sp.					4	1	1	6	0.18%
		Thienemanniella sp.						1		1	0.03%
		Cricotopus (intersectus gp.)	1	2		2	2			7	0.21%
		nid Diamesine pupa					1			1	0.03%
	Ceratopogonidae	Bezzia/Probezzia sp.			1					1	0.03%
	Stratiomyidae	Euparyphus sp.							1	1	0.03%
	Empididae	Chelifera					1			1	0.03%
		Hemerodromia					1			1	0.03%
		Wiedemannia					1			1	0.03%
											0.00%
Overall Total			736	290	807	624	620	141	95	3,313	100.0%
Average										473.29	