

Table 5. Physical Habitat Quality Data for Benthic Macroinvertebrate Sites on Silver Fork American River Section, El Dorado Irrigation District, FERC Project 184, Fall 1999.

[illegible]

Table 5 (Cont.)

	Woods Creek				Sherman Canyon Creek			
	WC-B1	WC-B1-2	WC-B1		SH-B1	SH-B1	SH-B1-3	
	Riffle sampled				Riffle sampled			
	1	2	3	Mean	1	2	3	Mean
Sampling information								
Date Sampled				10/24/1999				10/26/1999
Time Sampled				1530				1500
Latitude	38° 41' 50"	38° 41' 40"	38° 41' 47"		38° 41' 24"	38° 41' 22"	38° 41' 23"	
Longitude	120° 01' 56"	120° 01' 52"	120° 01' 49"		120° 11' 54"	120° 11' 55"	120° 11' 52"	
Site characteristics								
Canopy cover (%)	8.3	50.0	10.0	22.8	5.0	5.0	38.3	16.1
Gradient (%)	1.0	1.0	1.0	1.0	2.5	2.5	2.5	2.5
Transect Location								
Elevation (Ft)				7800				5600
Reach Length (ft)				1500.0				183.0
Physical characteristics								
Riffle Length (ft)	180.0	106.0	118.0	134.7	4.7	82.0	67.0	51.2
Avg. Riffle Width (ft)	2.3	4.0	2.7	3.0	3.0	3.0	5.0	3.7
Avg. Riffle Depth (ft)	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3
Riffle Velocity (ft/s)	0.83	0.93	1.13	1.0	0.27	0.60	0.73	0.5
Substrate Complexity	15	16	16	15.7	16	17	17	16.7
Embeddedness (%)	10	10	10	10.0	10	10	10	10.0
Substrate Consolidation	Med	Med	Med	Med	Med	Med	Med	Med
Water Quality								
Specific Conductance (<i>u s</i>)				0.01				0.03
Dissolved Oxygen (mg/l)				7.3				10.2
Water Temp (C°)				5.8				7.8
pH				7.4				7.6
Physical Habitat Quality Score				166				154
Substrate Composition								
Fines (<0.1")	10.0	0.0	8.3	6.1	16.7	8.3	11.7	12.2
Gravel (0.1-2")	80.0	80.0	83.3	81.1	10.0	21.7	8.3	13.3
Cobble (2-10")	10.0	20.0	8.3	12.8	45.0	53.3	40.0	46.1
Boulder (>10")	0.0	0.0	0.0	0.0	25.0	10.0	40.0	25.0
Bedrock (solid)	0.0	0.0	0.0	0.0	3.3	6.7	0.0	3.3