

RECTOR CREEK

Date 4/28/2002

ID REC2002

Site Description Below first large pool from top

Elevation (ft) 971

Reach Length (ft) 487

Chemical Characteristics

Water Temp (C/F)	11.1	52
Specific Conductivity	121	
pH	6.5	
Dissolved Oxygen (mg/L)	9.57	

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft)	24
Riffle Width (ft)	10.3
Riffle Depth (ft)	0.3
Riffle Velocity (ft/sec)	1.2
Gradient (%)	11
Riffle Substrate (%)	
<i>Fines</i>	5
<i>Gravel</i>	15
<i>Cobble</i>	32
<i>Boulder</i>	47
<i>Bedrock</i>	5

Consolidation Loose

Habitat Characteristics

Canopy Cover (%)	42	
<u>Scale 0-20</u>		
Substrate	15	Suboptimal
Embeddedness	16	Optimal
Substrate Complexity	15	Suboptimal
Velocity/Depth Regime	14	Suboptimal
Sediment Deposition	18	Optimal
Water Flow	20	Optimal
Channel Alteration	20	Optimal
Riffle Frequency	12	Suboptimal

Scale 0-10

Bank Stability (Left)	6	Suboptimal
Bank Stability (Right)	6	Suboptimal
Vegetation (Right)	8	Suboptimal
Riparian (Right)	9	Optimal
Vegetation (Left)	8	Suboptimal
Riparian (Left)	9	Optimal

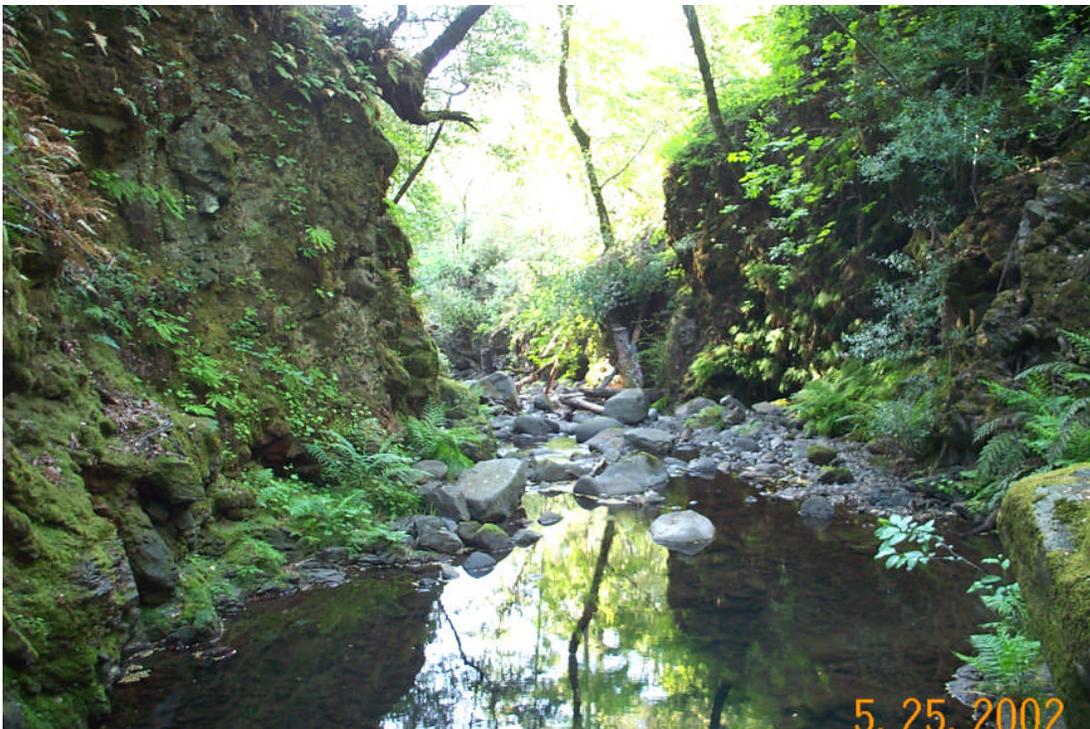
Total Habitat Score 161 Optimal

0-50 = Poor

51-100 = Marginal

101-150 = Suboptimal

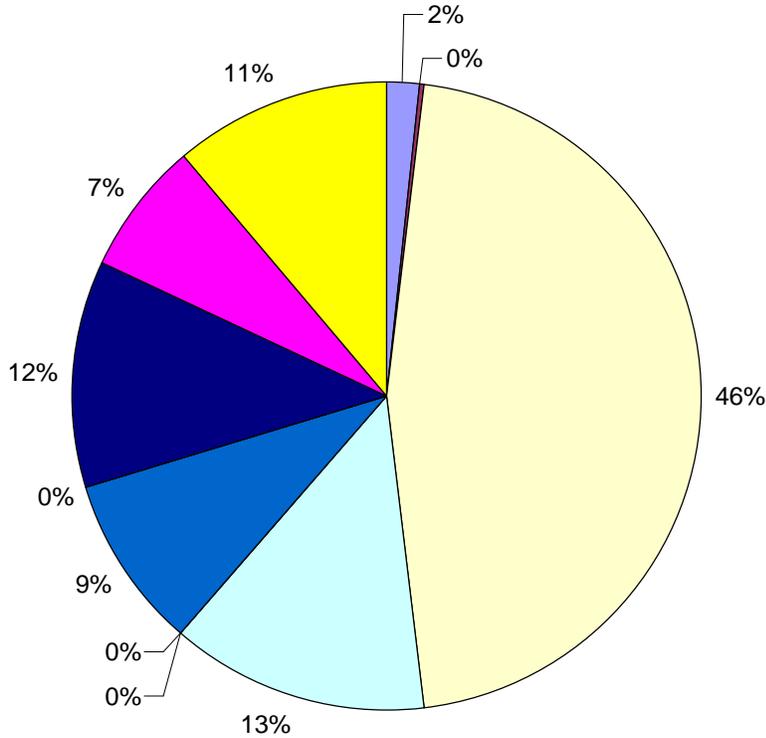
151-200 = Optimal



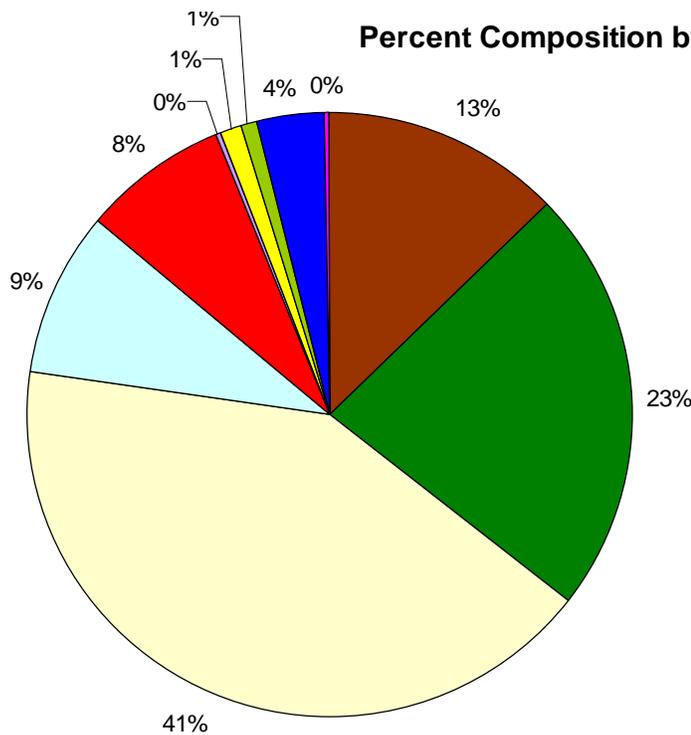
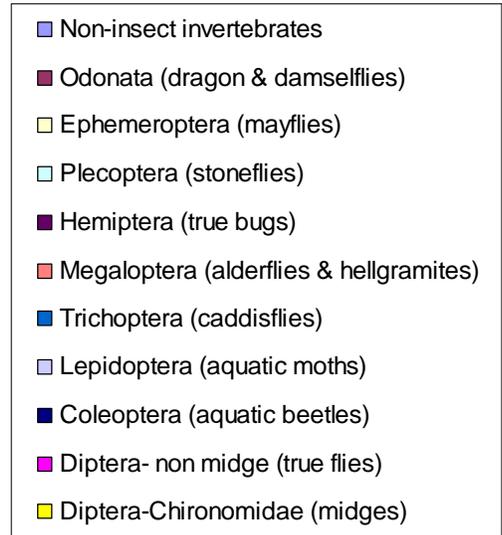
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Benthic Macroinvertebrate Characteristics

Abundance	4,365	Percent Dominant Taxa	24.17	Index of Biological Integrity (IBI) 23 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	70	Number of Tolerant Taxa	4	
Number of Taxa (CA)	69	Percent Tolerant Taxa	2.4	
Number of EPT	30	Number of Intolerant Taxa	21	
Hilsenhoff	4	Percent Intolerant Taxa	29.41	



Percent Composition by Taxa



Percent Composition by Functional Feeding Group

