

DIAMOND MOUNTAIN CREEK

Date 4/23/2002

ID DIA2002

Site Description Diamond Mountain Road

Elevation (ft) 510

Reach Length (ft) 293

Chemical Characteristics

Water Temp (C/F)	13	55
Specific Conductivity	121	
pH	6.5	
Dissolved Oxygen (mg/L)	10.1	

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft)	32
Riffle Width (ft)	10
Riffle Depth (ft)	0.4
Riffle Velocity (ft/sec)	1.2
Gradient (%)	2.3
Riffle Substrate (%)	
<i>Fines</i>	12
<i>Gravel</i>	18
<i>Cobble</i>	20
<i>Boulder</i>	50
<i>Bedrock</i>	3

Consolidation Loose

Habitat Characteristics

Canopy Cover (%)	98	
<u>Scale 0-20</u>		
Substrate	18	Optimal
Embeddedness	15	Suboptimal
Substrate Complexity	18	Optimal
Velocity/Depth Regime	18	Optimal
Sediment Deposition	16	Optimal
Water Flow	13	Suboptimal
Channel Alteration	15	Suboptimal
Riffle Frequency	19	Optimal

Scale 0-10

Bank Stability (Left)	6	Suboptimal
Bank Stability (Right)	8	Suboptimal
Vegetation (Right)	9	Optimal
Riparian (Right)	6	Suboptimal
Vegetation (Left)	6	Suboptimal
Riparian (Left)	5	Marginal

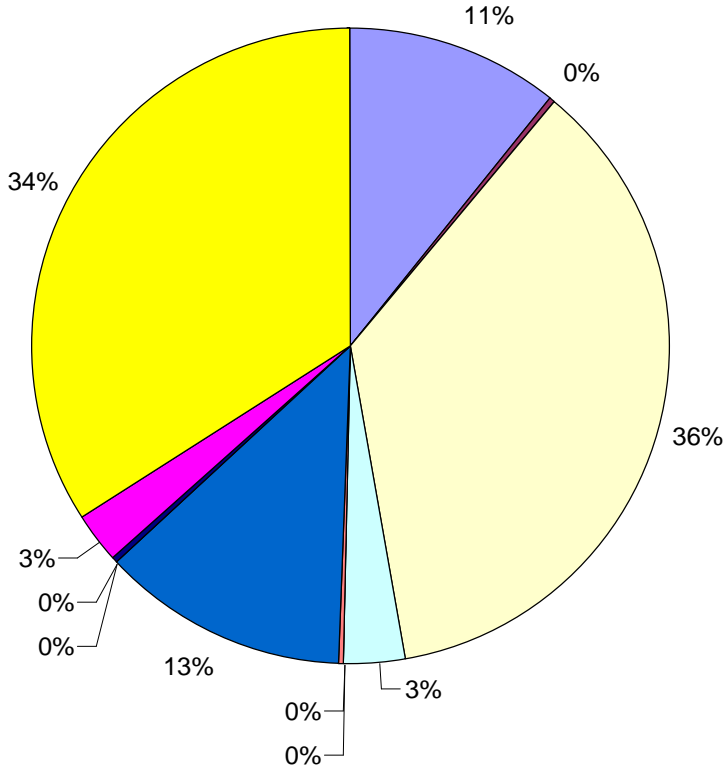
Total Habitat Score 154 **Optimal**

0-50 = Poor
 51-100 = Marginal
 101-150 = Suboptimal
 151-200 = Optimal

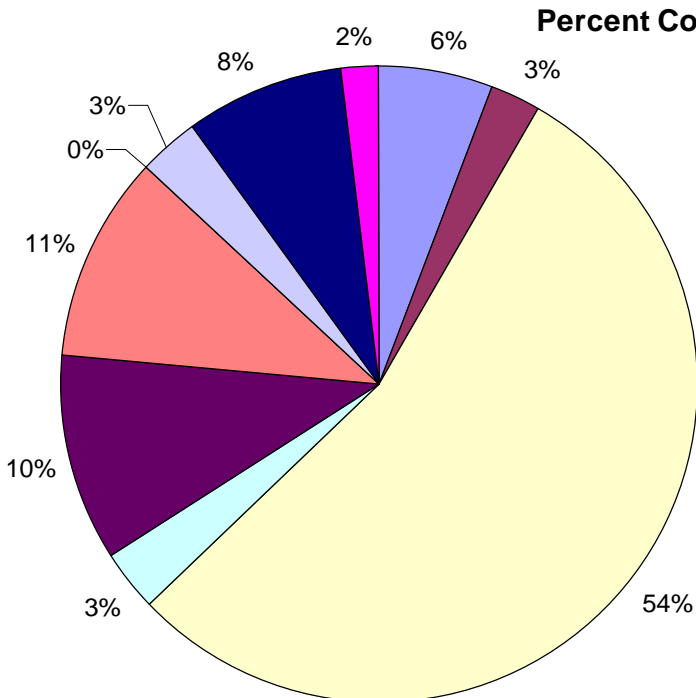
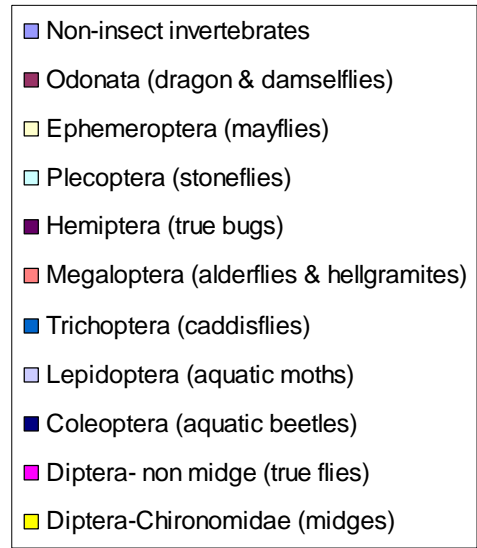
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Benthic Macroinvertebrate Characteristics

Abundance	2,298	Percent Dominant Taxa	14.47	Index of Biological Integrity (IBI) 21 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	63	Number of Tolerant Taxa	5	
Number of Taxa (CA)	61	Percent Tolerant Taxa	3.92	
Number of EPT	26	Number of Intolerant Taxa	21	
Hilsenhoff	4.39	Percent Intolerant Taxa	23.87	



Percent Composition by Taxa



Percent Composition by Functional Feeding Group

