

MILL CREEK

Date 4/18/2002

Site Description Old Bale Park

Reach Length (ft) 299

ID MILL2002

Elevation (ft) 410

Chemical Characteristics

Water Temp (C/F) 9.3 49

Specific Conductivity 155

pH 6.5

Dissolved Oxygen (mg/L) 11

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft) 50

Riffle Width (ft) 6

Riffle Depth (ft) 0.4

Riffle Velocity (ft/sec) 1.3

Gradient (%) 7.6

Riffle Substrate (%)

Fines 10

Gravel 17

Cobble 20

Boulder 53

Bedrock 0

Consolidation Loose

Habitat Characteristics

Canopy Cover (%) 100

Scale 0-20

Substrate 18 Optimal

Embeddedness 18 Optimal

Substrate Complexity 18 Optimal

Velocity/Depth Regime 20 Optimal

Sediment Deposition 19 Optimal

Water Flow 17 Optimal

Channel Alteration 20 Optimal

Riffle Frequency 19 Optimal

Scale 0-10

Bank Stability (Left) 9 Optimal

Bank Stability (Right) 8 Suboptimal

Vegetation (Right) 8 Suboptimal

Riparian (Right) 10 Optimal

Vegetation (Left) 8 Suboptimal

Riparian (Left) 10 Optimal

Total Habitat Score 184 Optimal

0-50 = Poor

51-100 = Marginal

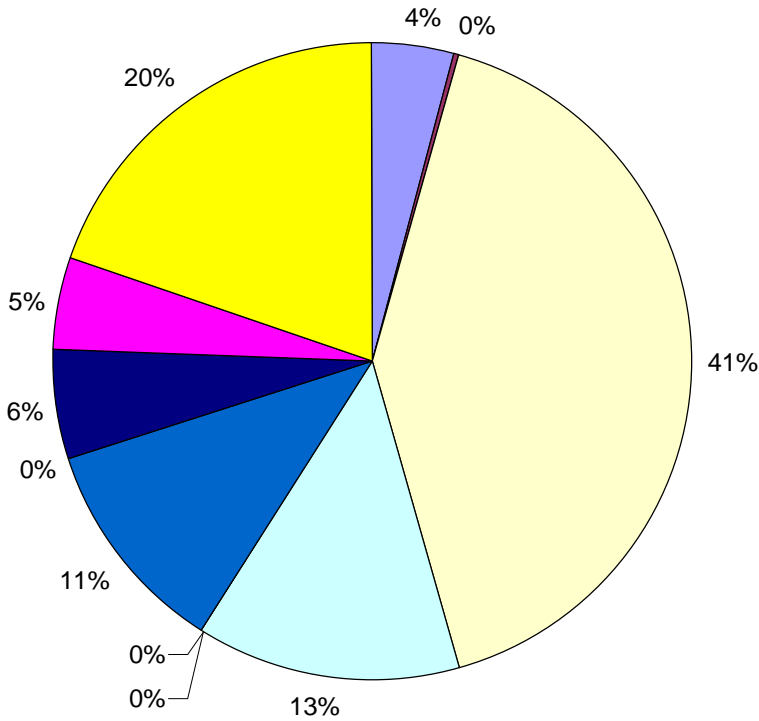
101-150 = Suboptimal

151-200 = Optimal

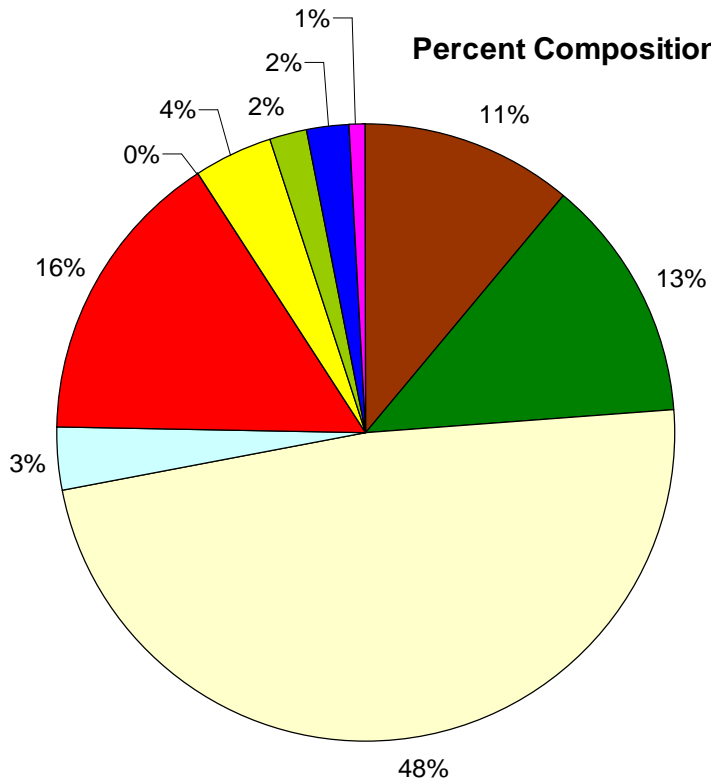
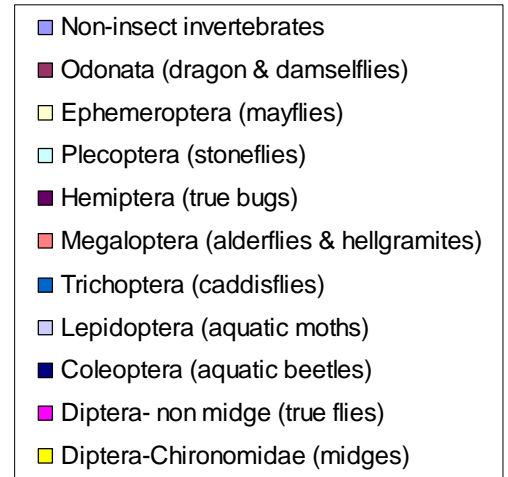
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Benthic Macroinvertebrate Characteristics

Abundance	2,611	Percent Dominant Taxa	14.27	Index of Biological Integrity (IBI) 25 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	76	Number of Tolerant Taxa	4	
Number of Taxa (CA)	71	Percent Tolerant Taxa	0.79	
Number of EPT	35	Number of Intolerant Taxa	26	
Hilsenhoff	4.17	Percent Intolerant Taxa	26.52	



Percent Composition by Taxa



Percent Composition by Functional Feeding Group

