

# MILLIKEN CREEK

Date 4/22/2002

ID MIL5200

Site Description End of Atlas Peak Road

Elevation (ft) 1,336

Reach Length (ft) 116

## Chemical Characteristics

Water Temp (C/F)	18.8	66
Specific Conductivity	78	
pH	6.5	
Dissolved Oxygen (mg/L)	10.32	

## Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft)	24
Riffle Width (ft)	5
Riffle Depth (ft)	0.3
Riffle Velocity (ft/sec)	3
Gradient (%)	5
Riffle Substrate (%)	
<i>Fines</i>	5
<i>Gravel</i>	22
<i>Cobble</i>	37
<i>Boulder</i>	28
<i>Bedrock</i>	8
Consolidation	Medium

## Habitat Characteristics

Canopy Cover (%)	33	
<u>Scale 0-20</u>		
Substrate	15	Suboptimal
Embeddedness	13	Suboptimal
Substrate Complexity	15	Suboptimal
Velocity/Depth Regime	15	Suboptimal
Sediment Deposition	17	Optimal
Water Flow	20	Optimal
Channel Alteration	19	Optimal
Riffle Frequency	7	Marginal
<u>Scale 0-10</u>		
Bank Stability (Left)	6	Suboptimal
Bank Stability (Right)	8	Suboptimal
Vegetation (Right)	9	Optimal
Riparian (Right)	9	Optimal
Vegetation (Left)	7	Suboptimal
Riparian (Left)	9	Optimal

**Total Habitat Score 154 Optimal**

0-50 = Poor

51-100 = Marginal

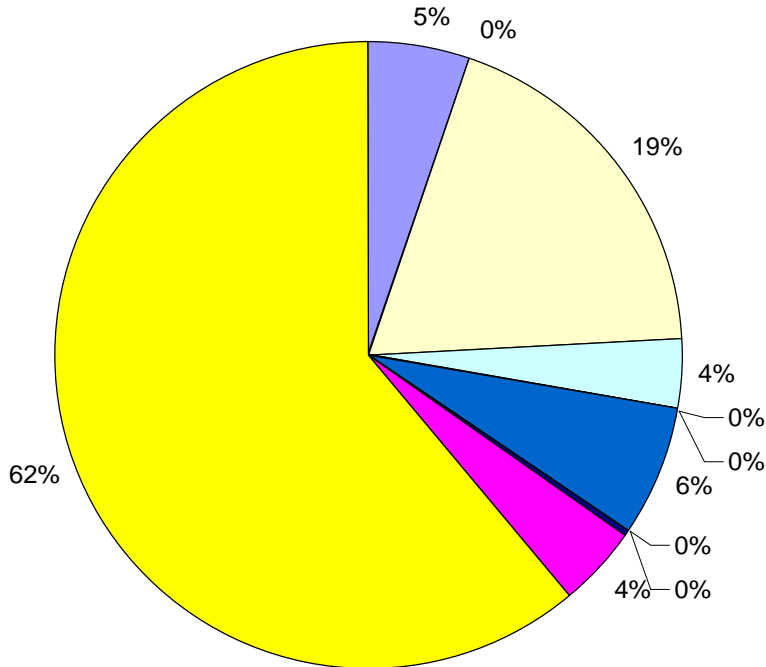
101-150 = Suboptimal

151-200 = Optimal

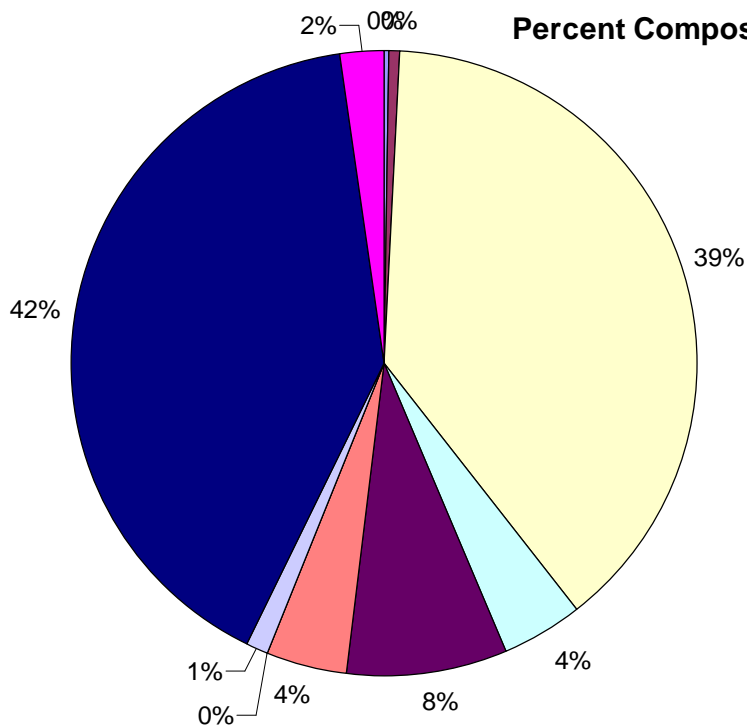
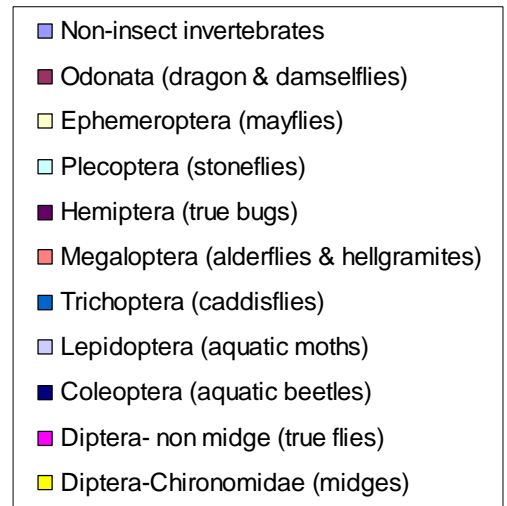
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## Benthic Macroinvertebrate Characteristics

Abundance	3,311	Percent Dominant Taxa	21.63	<b>Index of Biological Integrity (IBI)</b> <b>11</b> 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	42	Number of Tolerant Taxa	5	
Number of Taxa (CA)	42	Percent Tolerant Taxa	17.22	
Number of EPT	11	Number of Intolerant Taxa	8	
Hilsenhoff	5.23	Percent Intolerant Taxa	14.63	



**Percent Composition by Taxa**



**Percent Composition by Functional Feeding Group**

