

# BLOSSOM CREEK

Date 4/17/2002

Site Description Hwy 128

Reach Length (ft) 164

ID BLO2002

Elevation (ft) 415

## Chemical Characteristics

Water Temp (C/F) 12.1 54

Specific Conductivity 193

pH 6

Dissolved Oxygen (mg/L) 10.25

## Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft) 10.3

Riffle Width (ft) 6.5

Riffle Depth (ft) 0.3

Riffle Velocity (ft/sec) 2

Gradient (%) 2.7

Riffle Substrate (%)

*Fines* 37

*Gravel* 62

*Cobble* 2

*Boulder* 0

*Bedrock* 0

Consolidation Loose

## Habitat Characteristics

Canopy Cover (%) 33

### Scale 0-20

Substrate 13 Suboptimal

Embeddedness 18 Optimal

Substrate Complexity 13 Suboptimal

Velocity/Depth Regime 14 Suboptimal

Sediment Deposition 11 Suboptimal

Water Flow 15 Suboptimal

Channel Alteration 7 Marginal

Riffle Frequency 14 Suboptimal

### Scale 0-10

Bank Stability (Left) 7 Suboptimal

Bank Stability (Right) 5 Marginal

Vegetation (Right) 3 Marginal

Riparian (Right) 2 Poor

Vegetation (Left) 3 Marginal

Riparian (Left) 2 Poor

**Total Habitat Score 114 Suboptimal**

0-50 = Poor

51-100 = Marginal

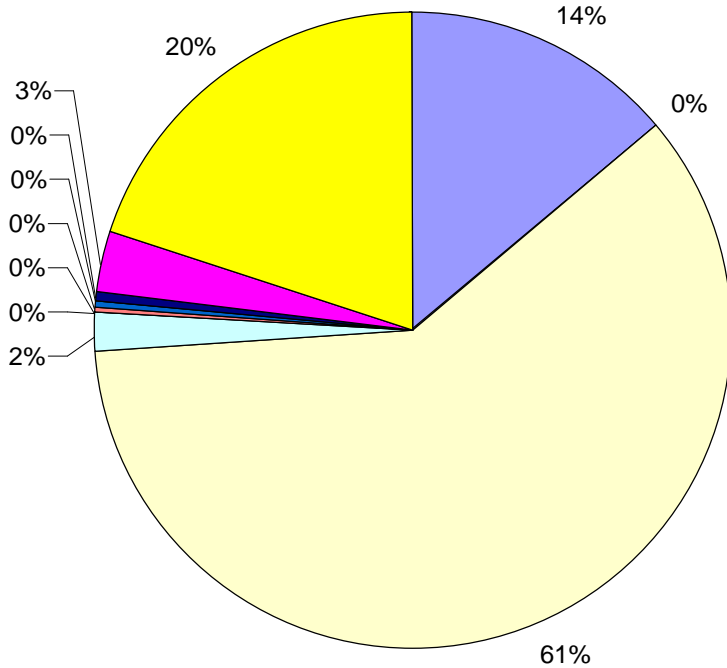
101-150 = Suboptimal

151-200 = Optimal

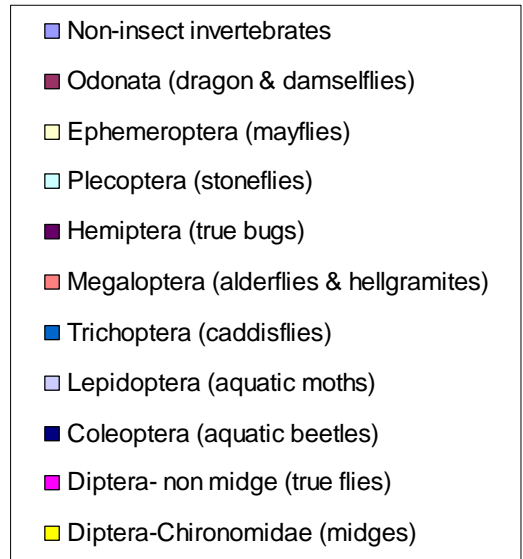
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## Benthic Macroinvertebrate Characteristics

Abundance	2,039	Percent Dominant Taxa	54.49	<b>Index of Biological Integrity (IBI)</b> <b>7</b> 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	40	Number of Tolerant Taxa	5	
Number of Taxa (CA)	40	Percent Tolerant Taxa	2.3	
Number of EPT	10	Number of Intolerant Taxa	8	
Hilsenhoff	5.58	Percent Intolerant Taxa	3.23	



**Percent Composition by Taxa**



**Percent Composition by Functional Feeding Group**

