

# BROWNS VALLEY CREEK

Date 4/15/2002

ID BRV2002

Site Description Johnston Street

Elevation (ft) 80

Reach Length (ft) 536

## Chemical Characteristics

Water Temp (C/F)	13.8	57
Specific Conductivity	636	
pH	7	
Dissolved Oxygen (mg/L)	10.39	

## Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft)	44
Riffle Width (ft)	5.9
Riffle Depth (ft)	0.3
Riffle Velocity (ft/sec)	2
Gradient (%)	1.6
Riffle Substrate (%)	
<i>Fines</i>	25
<i>Gravel</i>	35
<i>Cobble</i>	7
<i>Boulder</i>	2
<i>Bedrock</i>	33

Consolidation

## Habitat Characteristics

Canopy Cover (%)	98	
<u>Scale 0-20</u>		
Substrate	8	Marginal
Embeddedness	6	Marginal
Substrate Complexity	8	Marginal
Velocity/Depth Regime	11	Suboptimal
Sediment Deposition	7	Marginal
Water Flow	16	Optimal
Channel Alteration	2	Poor
Riffle Frequency	9	Marginal
<u>Scale 0-10</u>		
Bank Stability (Left)	5	Marginal
Bank Stability (Right)	5	Marginal
Vegetation (Right)	6	Suboptimal
Riparian (Right)	4	Marginal
Vegetation (Left)	6	Suboptimal
Riparian (Left)	4	Marginal

**Total Habitat Score 89 Marginal**

0-50 = Poor

51-100 = Marginal

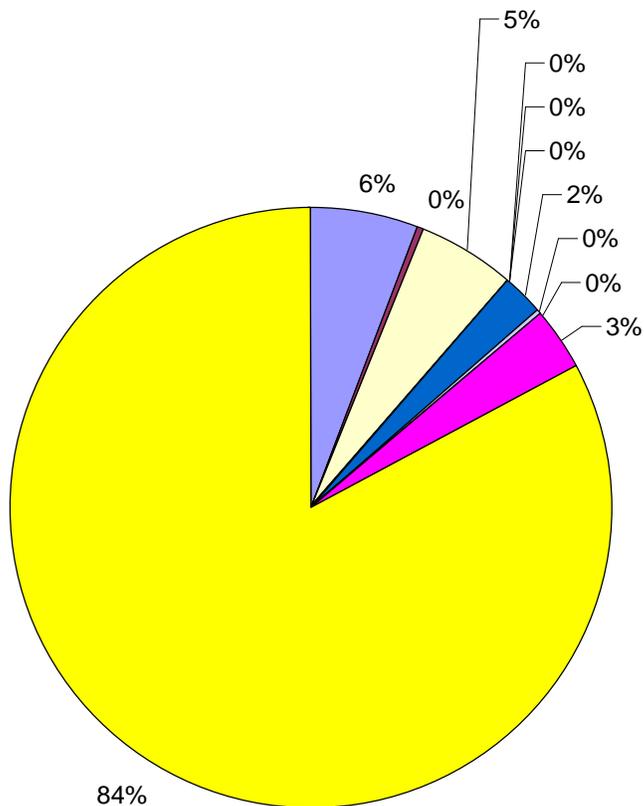
101-150 = Suboptimal

151-200 = Optimal

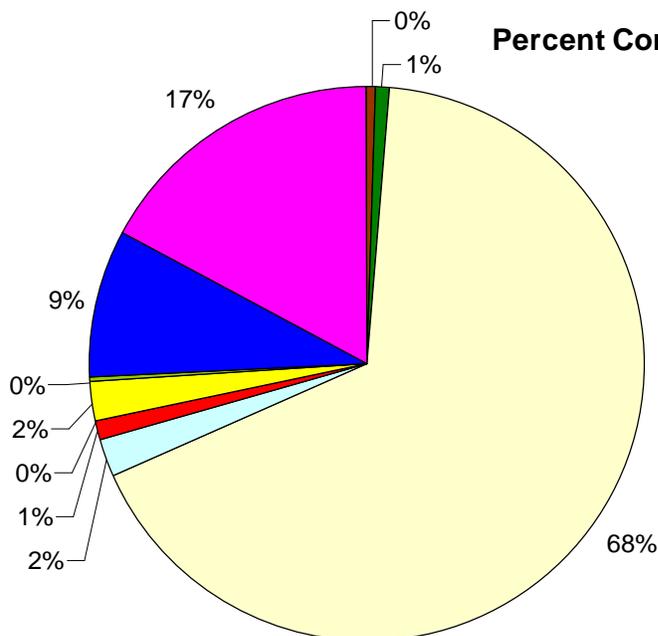
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## Benthic Macroinvertebrate Characteristics

Abundance	2,257	Percent Dominant Taxa	43.15	<b>Index of Biological Integrity (IBI)</b> <b>5</b> 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	29	Number of Tolerant Taxa	5	
Number of Taxa (CA)	29	Percent Tolerant Taxa	6.83	
Number of EPT	3	Number of Intolerant Taxa	1	
Hilsenhoff	6.64	Percent Intolerant Taxa	0.05	



**Percent Composition by Taxa**



**Percent Composition by Functional Feeding Group**

