

NASH CREEK

Date 4/17/2002

ID NAS2002

Site Description

Elevation (ft) 584

Reach Length (ft) 171

Chemical Characteristics

Water Temp (C/F)	10.6	51
Specific Conductivity	105	
pH	7.3	
Dissolved Oxygen (mg/L)	10.27	

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft)	29.3
Riffle Width (ft)	1.2
Riffle Depth (ft)	0.2
Riffle Velocity (ft/sec)	0.9
Gradient (%)	4.6
Riffle Substrate (%)	
<i>Fines</i>	5
<i>Gravel</i>	20
<i>Cobble</i>	60
<i>Boulder</i>	18
<i>Bedrock</i>	0

Consolidation Firm

Habitat Characteristics

Canopy Cover (%)	95	
<u>Scale 0-20</u>		
Substrate	14	Suboptimal
Embeddedness	12	Suboptimal
Substrate Complexity	14	Suboptimal
Velocity/Depth Regime	14	Suboptimal
Sediment Deposition	15	Suboptimal
Water Flow	19	Optimal
Channel Alteration	17	Optimal
Riffle Frequency	18	Optimal

Scale 0-10

Bank Stability (Left)	5	Marginal
Bank Stability (Right)	4	Marginal
Vegetation (Right)	7	Suboptimal
Riparian (Right)	9	Optimal
Vegetation (Left)	7	Suboptimal
Riparian (Left)	8	Suboptimal

Total Habitat Score 149 Suboptimal

0-50 = Poor

51-100 = Marginal

101-150 = Suboptimal

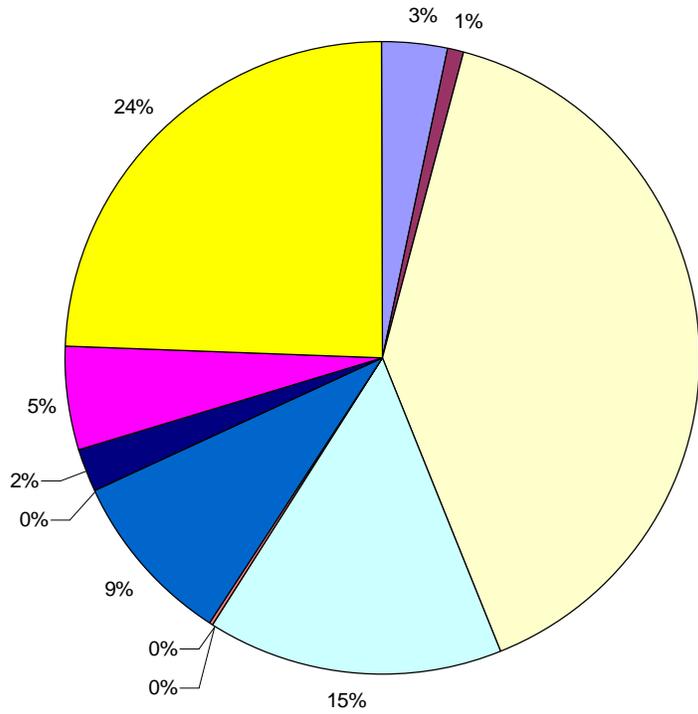
151-200 = Optimal



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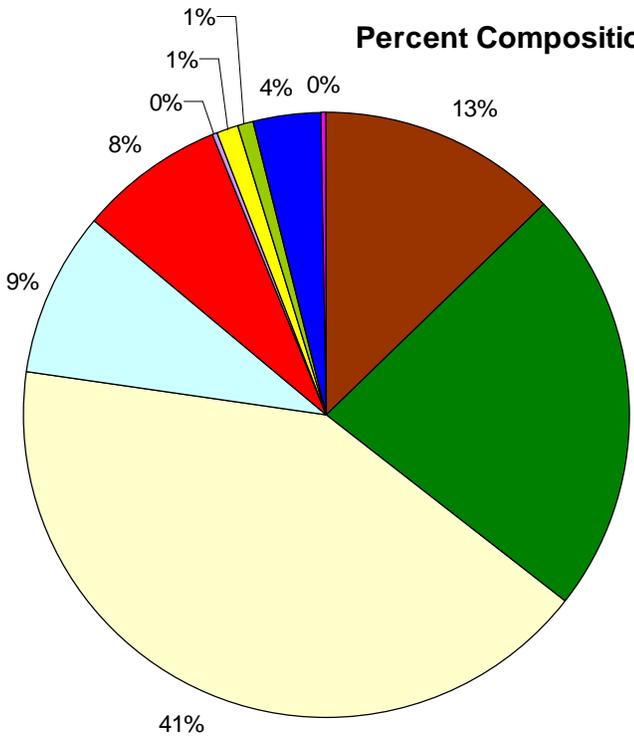
Benthic Macroinvertebrate Characteristics

Abundance	1,491	Percent Dominant Taxa	13.96	Index of Biological Integrity (IBI) 25 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	75	Number of Tolerant Taxa	3	
Number of Taxa (CA)	72	Percent Tolerant Taxa	3.13	
Number of EPT	31	Number of Intolerant Taxa	29	
Hilsenhoff	3.91	Percent Intolerant Taxa	32.13	



Percent Composition by Taxa

- Non-insect invertebrates
- Odonata (dragon & damselflies)
- Ephemeroptera (mayflies)
- Plecoptera (stoneflies)
- Hemiptera (true bugs)
- Megaloptera (alderflies & hellgramites)
- Trichoptera (caddisflies)
- Lepidoptera (aquatic moths)
- Coleoptera (aquatic beetles)
- Diptera- non midge (true flies)
- Diptera-Chironomidae (midges)



Percent Composition by Functional Feeding Group

- Shredder
- Scraper
- Collector-gatherer
- Collector-filterer
- Predator
- Macrophyte-herbivore
- Piercer-herbivore
- Parasite
- Omnivore
- Other