

SODA CREEK

Date 5/1/2002

ID SOD2002

Site Description Downstream of Loma Vista

Elevation (ft) 149

Reach Length (ft) 338

Chemical Characteristics

Water Temp (C/F)	14.5	58
Specific Conductivity	115	
pH	6.5	
Dissolved Oxygen (mg/L)	10.17	

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft)	14
Riffle Width (ft)	5.8
Riffle Depth (ft)	0.25
Riffle Velocity (ft/sec)	0.8
Gradient (%)	1.9
Riffle Substrate (%)	
<i>Fines</i>	7
<i>Gravel</i>	23
<i>Cobble</i>	47
<i>Boulder</i>	23
<i>Bedrock</i>	0

Consolidation Firm

Habitat Characteristics

Canopy Cover (%) 15

Scale 0-20

Substrate

Embeddedness

Substrate Complexity

Velocity/Depth Regime

Sediment Deposition

Water Flow

Channel Alteration 17 Optimal

Riffle Frequency 14 Suboptimal

Scale 0-10

Bank Stability (Left) 9 Optimal

Bank Stability (Right) 9 Optimal

Vegetation (Right) 8 Suboptimal

Riparian (Right) 6 Suboptimal

Vegetation (Left) 8 Suboptimal

Riparian (Left) 7 Suboptimal

Total Habitat Score Suboptimal

0-50 = Poor

51-100 = Marginal

101-150 = Suboptimal

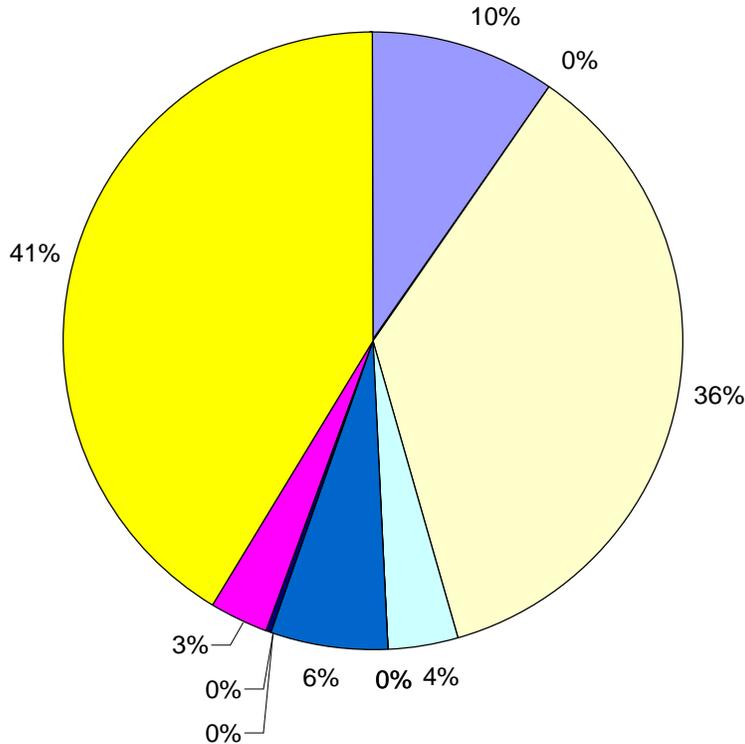
151-200 = Optimal



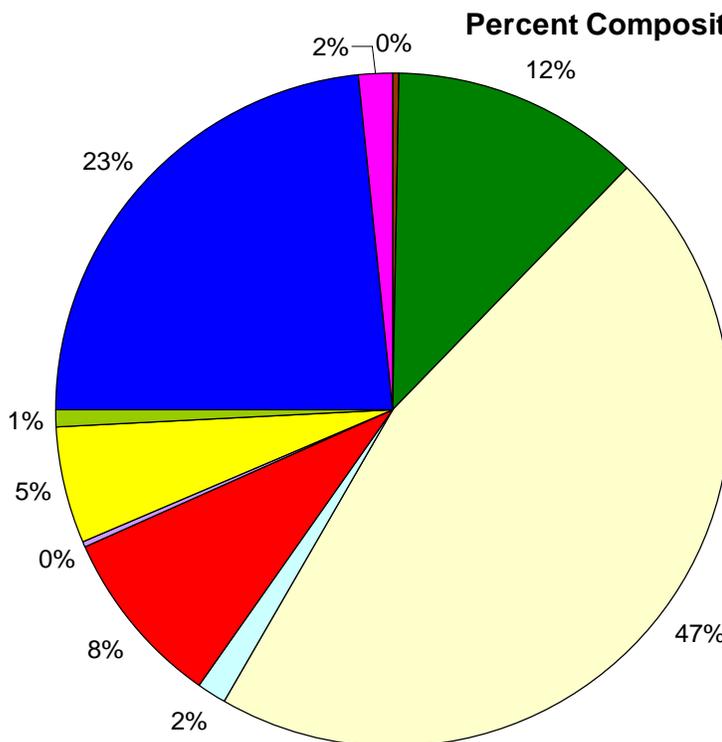
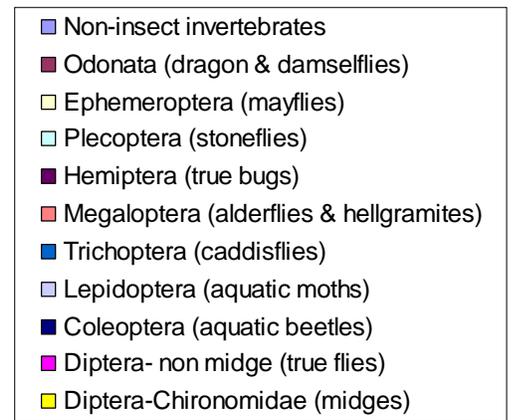
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Benthic Macroinvertebrate Characteristics

Abundance	2,682	Percent Dominant Taxa	19.27	Index of Biological Integrity (IBI) 15 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	55	Number of Tolerant Taxa	5	
Number of Taxa (CA)	55	Percent Tolerant Taxa	10.9	
Number of EPT	20	Number of Intolerant Taxa	12	
Hilsenhoff	5.49	Percent Intolerant Taxa	7.56	



Percent Composition by Taxa



Percent Composition by Functional Feeding Group

