

BELL CREEK

Date 4/19/2002

ID BEL2002

Site Description Crystal Springs Road

Elevation (ft) 289

Reach Length (ft) 258

Chemical Characteristics

Water Temp (C/F)	13.7	57
Specific Conductivity	69	
pH	7.7	
Dissolved Oxygen (mg/L)	10.75	

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft)	7.7
Riffle Width (ft)	8.2
Riffle Depth (ft)	1.7
Riffle Velocity (ft/sec)	0.7
Gradient (%)	5
Riffle Substrate (%)	
<i>Fines</i>	1
<i>Gravel</i>	4
<i>Cobble</i>	60
<i>Boulder</i>	35
<i>Bedrock</i>	0

Consolidation Loose

Habitat Characteristics

Canopy Cover (%)	70	
<u>Scale 0-20</u>		
Substrate	12	Suboptimal
Embeddedness	16	Optimal
Substrate Complexity	12	Suboptimal
Velocity/Depth Regime	9	Marginal
Sediment Deposition	19	Optimal
Water Flow	20	Optimal
Channel Alteration	12	Suboptimal
Riffle Frequency	17	Optimal

Scale 0-10

Bank Stability (Left)	5	Marginal
Bank Stability (Right)	3	Marginal
Vegetation (Right)	3	Marginal
Riparian (Right)	2	Poor
Vegetation (Left)	6	Suboptimal
Riparian (Left)	9	Optimal

Total Habitat Score 133 Suboptimal

0-50 = Poor

51-100 = Marginal

101-150 = Suboptimal

151-200 = Optimal



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Benthic Macroinvertebrate Characteristics

Abundance	5,614	Percent Dominant Taxa	12.56	Index of Biological Integrity (IBI) 15 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	60	Number of Tolerant Taxa	5	
Number of Taxa (CA)	60	Percent Tolerant Taxa	2.13	
Number of EPT	17	Number of Intolerant Taxa	10	
Hilsenhoff	5.48	Percent Intolerant Taxa	8.08	

