

# HUICHICA CREEK

Date 4/15/2002

Site Description Duhig Road

Reach Length (ft) 530

ID HUI2002

Elevation (ft) 65

## Chemical Characteristics

Water Temp (C/F) 13.5 56

Specific Conductivity 528

pH 7.1

Dissolved Oxygen (mg/L) 7.8

## Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft) 19.3

Riffle Width (ft) 5.7

Riffle Depth (ft) 0.2

Riffle Velocity (ft/sec) 0.26

Gradient (%) 0.7

Riffle Substrate (%)

*Fines* 33

*Gravel* 40

*Cobble* 27

*Boulder* 0

*Bedrock* 0

Consolidation Medium

## Habitat Characteristics

Canopy Cover (%) 82

### Scale 0-20

Substrate 13 Suboptimal

Embeddedness 16 Optimal

Substrate Complexity 13 Suboptimal

Velocity/Depth Regime 15 Suboptimal

Sediment Deposition 15 Suboptimal

Water Flow 18 Optimal

Channel Alteration 12 Suboptimal

Riffle Frequency 7 Marginal

### Scale 0-10

Bank Stability (Left) 6 Suboptimal

Bank Stability (Right) 6 Suboptimal

Vegetation (Right) 6 Suboptimal

Riparian (Right) 6 Suboptimal

Vegetation (Left) 6 Suboptimal

Riparian (Left) 6 Suboptimal

Total Habitat Score 132 Suboptimal

0-50 = Poor

51-100 = Marginal

101-150 = Suboptimal

151-200 = Optimal



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## Benthic Macroinvertebrate Characteristics

Abundance	6,626	Percent Dominant Taxa	43.98	<b>Index of Biological Integrity (IBI)</b> <b>9</b> 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	38	Number of Tolerant Taxa	3	
Number of Taxa (CA)	38	Percent Tolerant Taxa	8.48	
Number of EPT	7	Number of Intolerant Taxa	6	
Hilsenhoff	5.61	Percent Intolerant Taxa	8.26	

