

BLOSSOM CREEK

Date 4/23/2003

ID BL2003

Site Description 2650 Foothill Blvd

Elevation (ft) N/A

Reach Length (ft) 347

Chemical Characteristics

Water Temp (C/F) 12.6

Specific Conductivity 286.3

pH 6.5

Dissolved Oxygen (mg/L) 10.07

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft) 43.6

Riffle Width (ft) 7.2

Riffle Depth (ft) 0.45

Riffle Velocity (ft/sec) 2.25

Gradient (%) 1.33

Riffle Substrate (%)

Fines:46.6

Gravel:46.6

Cobble:6.6

Boulder:43

Bedrock:0

Consolidation:Low

Habitat Characteristics

Canopy Cover (%) 93

Scale 0-20

Embeddedness 10.0 Marginal

Substrate Complexity 11 Suboptimal

Velocity/Depth Regime 16 Optimal

Sediment Deposition 10 Marginal

Water Flow 17 Optimal

Channel Alteration 15 Suboptimal

Riffle Frequency 15 Suboptimal

Scale 0-10

Bank Stability (Left) 7 Suboptimal

Bank Stability (Right) 7 Suboptimal

Vegetation (Left) 7 Suboptimal

Vegetation (Right) 7 Suboptimal

Riparian (Left) 5 Marginal

Riparian (Right) 5 Marginal

Total Habitat Score 131 Suboptimal

0-50 = Poor

51-100 = Marginal

101-150 = Suboptimal

151-200 = Optimal

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Benthic Macroinvertebrate Characteristics

Abundance 3565

Number of Taxa (ABA) 33

Number of Taxa (CA) 32

Number of EPT 9

Hilsenhoff 5.77

Percent Dominant Taxa 49.4

Number of Tolerant Taxa 2

Percent Tolerant Taxa 4.7

Number of Intolerant Taxa 5

Percent Intolerant Taxa 2.3

Index of Biological

Integrity (IBI)

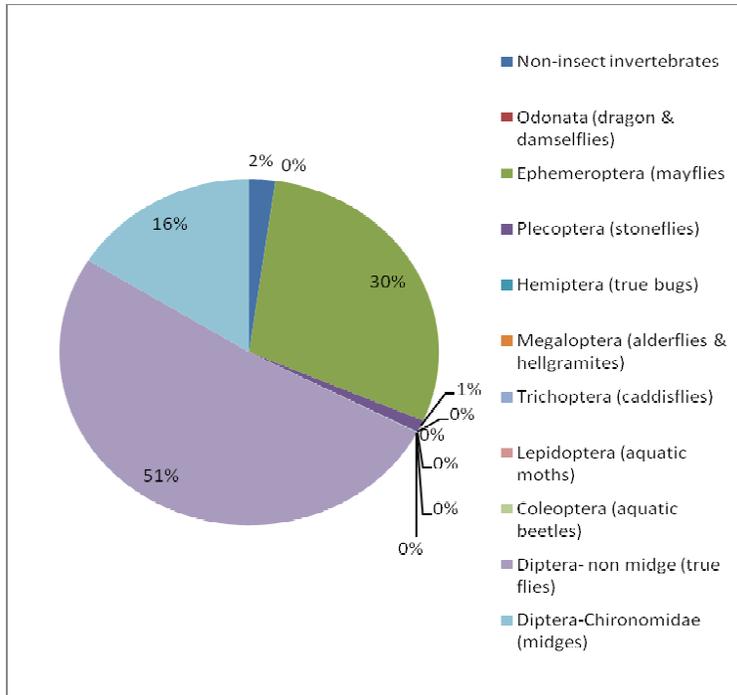
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5-11 = Poor

12-18 = Fair

19-25 = Good

Percent Composition by Taxa



Percent Composition by Functional Feeding Group

