

AMERICAN CANYON CREEK

Date 4/22/2002

ID AMC2002

Site Description American Canyon Road

Elevation (ft) 137

Reach Length (ft) 75

Chemical Characteristics

Water Temp (C/F) 12.8 55
 Specific Conductivity 1,230
 pH 7.4
 Dissolved Oxygen (mg/L) 6.51

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft) 7.3
 Riffle Width (ft) 2.5
 Riffle Depth (ft) 0.11
 Riffle Velocity (ft/sec) 5
 Gradient (%) 1.8
 Riffle Substrate (%)
 Fines 35
 Gravel 60
 Cobble 5
 Boulder 0
 Bedrock 0

Consolidation Loose

Habitat Characteristics

Canopy Cover (%) 82
Scale 0-20
 Substrate 4 Poor
 Embeddedness 14 Suboptimal
 Substrate Complexity 4 Poor
 Velocity/Depth Regime 8 Marginal
 Sediment Deposition 13 Suboptimal
 Water Flow 18 Optimal
 Channel Alteration 9 Marginal
 Riffle Frequency 15 Suboptimal

Scale 0-10

Bank Stability (Left) 3 Marginal
 Bank Stability (Right) 3 Marginal
 Vegetation (Right) 4 Marginal
 Riparian (Right) 4 Marginal
 Vegetation (Left) 4 Marginal
 Riparian (Left) 3 Marginal

Total Habitat Score 102 Suboptimal

0-50 = Poor
 51-100 = Marginal
 101-150 = Suboptimal
 151-200 = Optimal

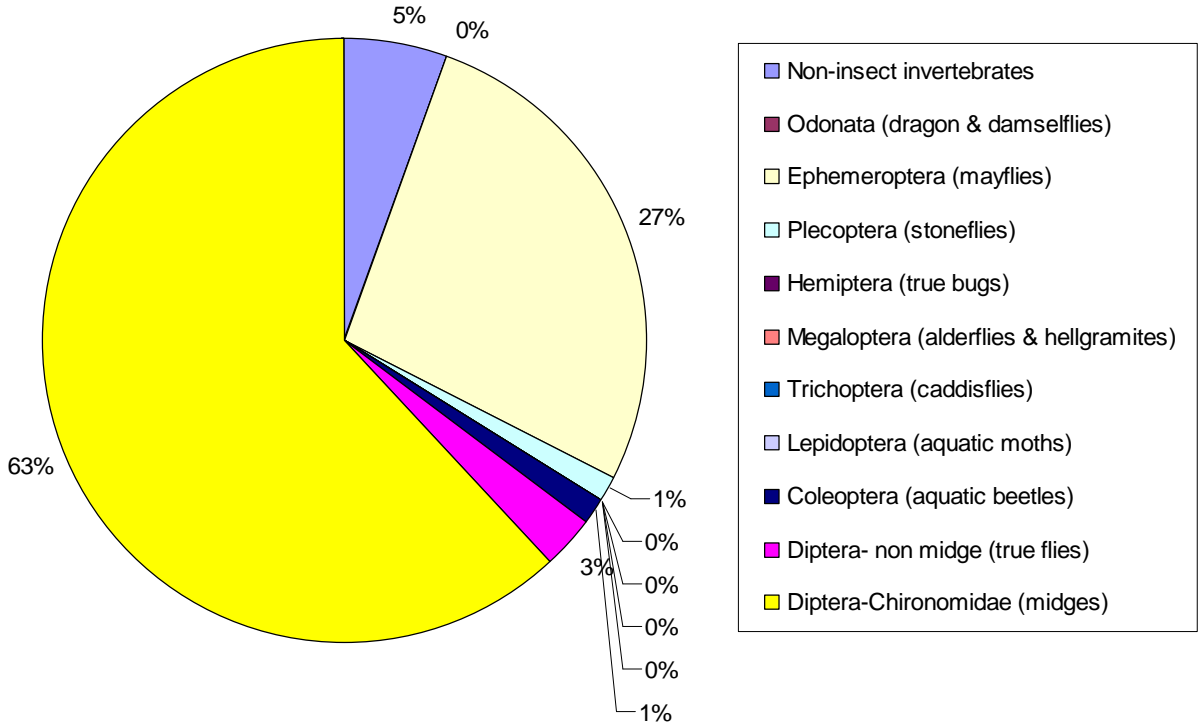


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Benthic Macroinvertebrate Characteristics

Abundance	6,492	Percent Dominant Taxa	22.35	Index of Biological Integrity (IBI) 7 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	29	Number of Tolerant Taxa	3	
Number of Taxa (CA)	29	Percent Tolerant Taxa	4.27	
Number of EPT	5	Number of Intolerant Taxa	1	
Hilsenhoff	5.72	Percent Intolerant Taxa	1.4	

Percent Composition by Taxa



Percent Composition by Functional Feeding Group

