

FAGAN CREEK

Date 4/24/2002

ID FAG2002

Site Description Upstream of South Kelly Road

Elevation (ft) 119

Reach Length (ft) 315

Chemical Characteristics

Water Temp (C/F)	13.5	56
Specific Conductivity	1,140	
pH	6.5	
Dissolved Oxygen (mg/L)	8.69	

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft)	16.3
Riffle Width (ft)	2.7
Riffle Depth (ft)	0.25
Riffle Velocity (ft/sec)	1.2
Gradient (%)	2.8
Riffle Substrate (%)	
<i>Fines</i>	18
<i>Gravel</i>	73
<i>Cobble</i>	5
<i>Boulder</i>	3
<i>Bedrock</i>	0

Consolidation Loose

Habitat Characteristics

Canopy Cover (%)	70	
<u>Scale 0-20</u>		
Substrate	12	Suboptimal
Embeddedness	12	Suboptimal
Substrate Complexity	12	Suboptimal
Velocity/Depth Regime	13	Suboptimal
Sediment Deposition	9	Marginal
Water Flow	18	Optimal
Channel Alteration	13	Suboptimal
Riffle Frequency	12	Suboptimal

Scale 0-10

Bank Stability (Left)	3	Marginal
Bank Stability (Right)	3	Marginal
Vegetation (Right)	6	Suboptimal
Riparian (Right)	4	Marginal
Vegetation (Left)	6	Suboptimal
Riparian (Left)	5	Marginal

Total Habitat Score 116 Suboptimal

0-50 = Poor

51-100 = Marginal

101-150 = Suboptimal

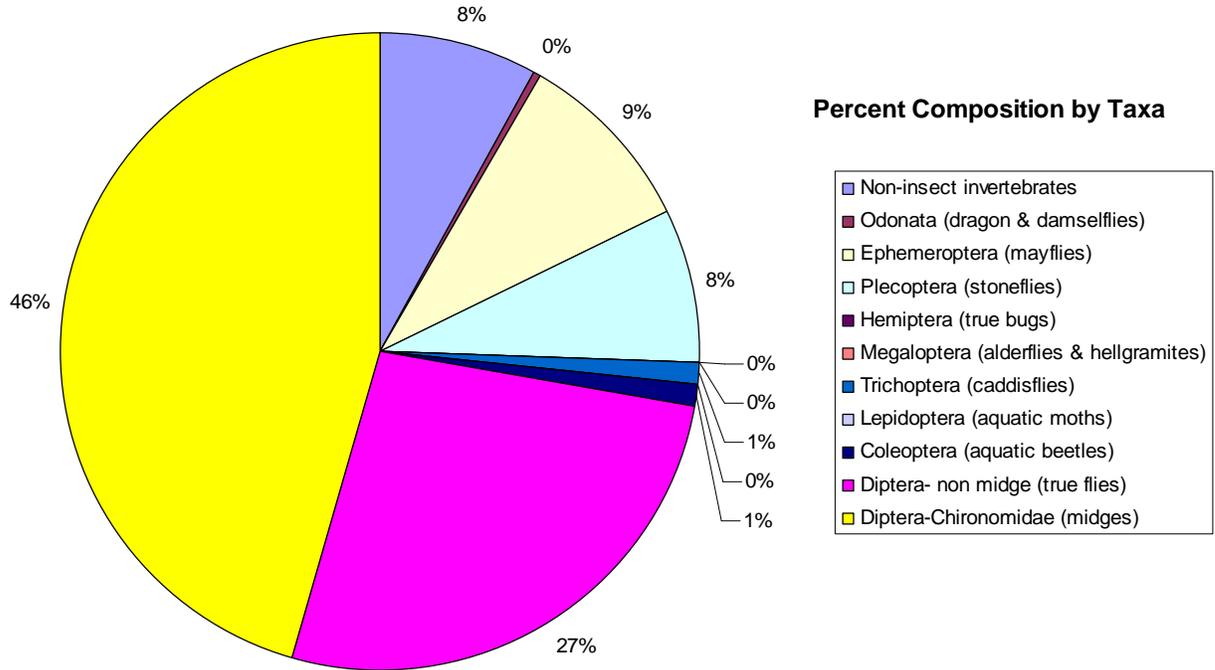
151-200 = Optimal



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Benthic Macroinvertebrate Characteristics

Abundance	7,111	Percent Dominant Taxa	27.65	Index of Biological Integrity (IBI) 7 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	45	Number of Tolerant Taxa	5	
Number of Taxa (CA)	45	Percent Tolerant Taxa	29.96	
Number of EPT	10	Number of Intolerant Taxa	3	
Hilsenhoff	6.12	Percent Intolerant Taxa	8.71	



Percent Composition by Functional Feeding Group

