

MOORE CREEK

Date 4/23/2002

ID MOR2002

Site Description Above Lake Hennessy

Elevation (ft) 429

Reach Length (ft) 226

Chemical Characteristics

Water Temp (C/F)	12.1	54
Specific Conductivity	393	
pH	6.5	
Dissolved Oxygen (mg/L)	9.63	

Physical Characteristics

(Average values for 3 riffles)

Riffle Length (ft)	33
Riffle Width (ft)	6.5
Riffle Depth (ft)	0.3
Riffle Velocity (ft/sec)	1.4
Gradient (%)	3
Riffle Substrate (%)	
<i>Fines</i>	7
<i>Gravel</i>	27
<i>Cobble</i>	53
<i>Boulder</i>	13
<i>Bedrock</i>	0

Consolidation Medium

Habitat Characteristics

Canopy Cover (%)	48	
<u>Scale 0-20</u>		
Substrate	12	Suboptimal
Embeddedness	11	Suboptimal
Substrate Complexity	12	Suboptimal
Velocity/Depth Regime	10	Marginal
Sediment Deposition	17	Optimal
Water Flow	19	Optimal
Channel Alteration	18	Optimal
Riffle Frequency	17	Optimal

Scale 0-10

Bank Stability (Left)	8	Suboptimal
Bank Stability (Right)	6	Suboptimal
Vegetation (Right)	8	Suboptimal
Riparian (Right)	9	Optimal
Vegetation (Left)	8	Suboptimal
Riparian (Left)	9	Optimal

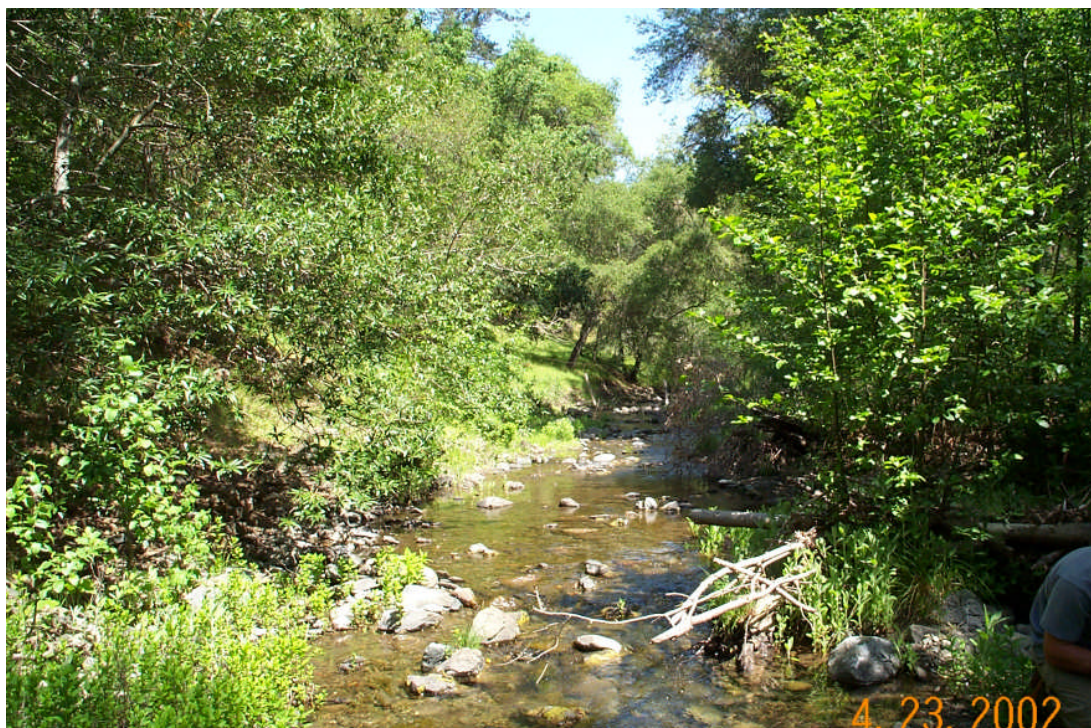
Total Habitat Score 152 Optimal

0-50 = Poor

51-100 = Marginal

101-150 = Suboptimal

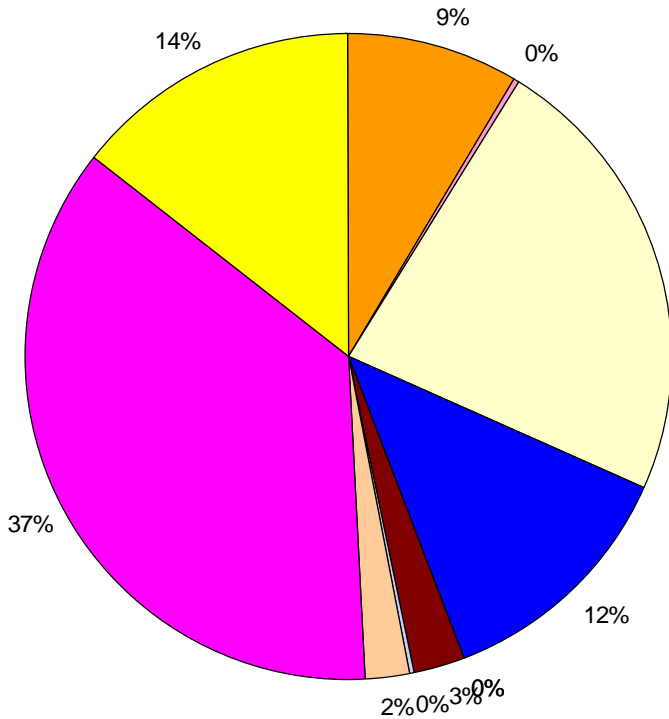
151-200 = Optimal



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Benthic Macroinvertebrate Characteristics

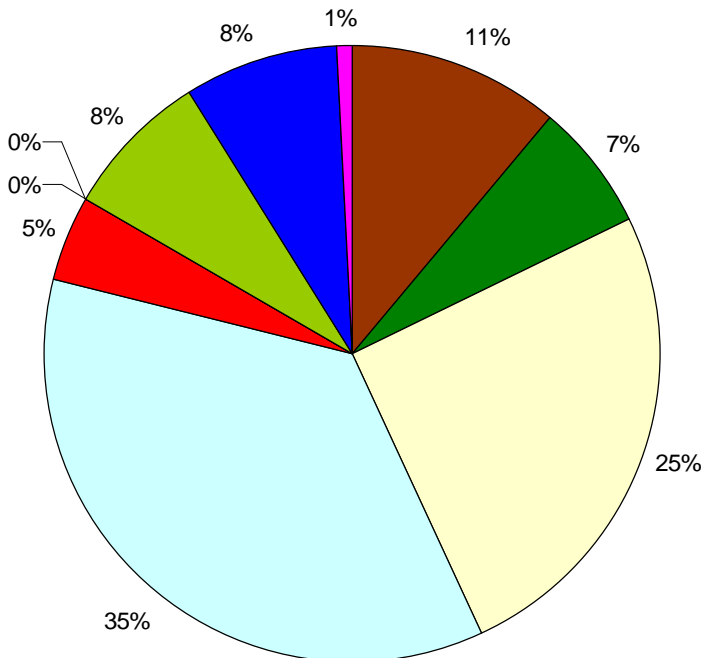
Abundance	6,992	Percent Dominant Taxa	17.07	Index of Biological Integrity (IBI) 21 5-11 = Poor 12-18 = Fair 19-25 = Good
Number of Taxa	75	Number of Tolerant Taxa	5	
Number of Taxa (CA)	74	Percent Tolerant Taxa	1.41	
Number of EPT	30	Number of Intolerant Taxa	20	
Hilsenhoff	4.47	Percent Intolerant Taxa	16.02	



Percent Composition by Taxa

- Non-insect invertebrates
- Odonata (dragon & damselflies)
- Ephemeroptera (mayflies)
- Plecoptera (stoneflies)
- Hemiptera (true bugs)
- Megaloptera (alderflies & hellgramites)
- Trichoptera (caddisflies)
- Lepidoptera (aquatic moths)
- Coleoptera (aquatic beetles)
- Diptera- non midge (true flies)
- Diptera-Chironomidae (midges)

Percent Composition by Functional Feeding Group



- Shredder
- Scrapper
- Collector-gatherer
- Collector-filterer
- Predator
- Macrophyte-herbivore
- Piercer-herbivore
- Parasite
- Omnivore
- Other