

BENTHIC MACROINVERTEBRATE QUANTITATIVE SAMPLE REPORT

Station: 3BAR20011 Cumberland River, Mile 34.4
 LOCATION: Cumberland River at Mile 34.4, Lake Barkley, opposite the mouth of Willow Creek
 UTM: 4,094,130.00 N 395,187.00 E Lat: 36°59'18" Long: 88°10'38"
 USGS Quad: Grand Rivers, KY
 HUC: 05120205
 Maximum Station Depth: 90 feet

Sample Date and Time: Thursday October 19, 2000 at 1730
 Depth: 61

Collection Method(s): Petite Ponar Grab
 Collected By CELRN
 Sampled Area = 0.14 sq. m.
 Total number of samples collected and reported as an aggregate: 6
 Relative position of sample: Main Channel

Biometric Scores for this sample:

Biotic Index: 7.95
 Taxa Richness: 10
 EPT Index: 0
 Shannon Diversity: 2.38
 Pielou Evenness: .72
 Scrapers/Filt. Coll.: 0
 EPT/Chironomids: 0
 % Contrib. Dom. Taxon: 31.67
 Taxa Richness Genera: 9
 % Ephemeroptera: 0
 % Oligochaeta and Chironomids: 47.46
 Number/square meter: 1983
 % EPT: 0
 EPT Taxa Genera: 0

Scientific Name	Common Name	Count	Density #/m2	% of Total Dens
NAIDIDAE	Oligochaete Worms	9	64.0	3.23
Tubificidae w.o.h.c.	Sludge Worms	52	371.0	18.71
Bezzia/Palpomysia gp.	Biting Midges	1	7.0	0.35
CHIRONOMIDAE	Midges, Chironomids	9	64.0	3.23
Coelotanypus	Midges, Chironomids	88	628.0	31.67
Ablabesmyia annulata	Midges, Chironomids	1	7.0	0.35
Chironomus	Midges, Chironomids	25	178.0	8.98
Birgella subglobosus	Globe Siltsnail	9	64.0	3.23
Viviparus georgianus	Banded Mysterysnail	1	7.0	0.35
Musculium transversum	Long Fingernailclam	83	593.0	29.9
Totals:		278	1983	

Sample Note:
 Substrate mud. Observed chironomids (abundant).