

Biomonitoring Results for Assumption Creek (Chaska High School VSMP Site)

Last Date Sampled: October 1, 2003

Date	Family Biotic Index	Habitat Score	EPT	Number of Families	Dominant Family	Dominant Family % Overall
5/16/2002	3.2	N/A	4	10	Garmmaridae	55%
10/3/2002	4.2	N/A	3	8	Baetidae	39.6%
5/21/2003	5.1	N/A	3	7	Chironomidae	55.1%
10/1/2003	3.7	207	5	10	Hydrophychidae	22.9

* for details refer to pages 2-4 and 2-5

** fall 2003 results not final QA/AC

Summary of Results:

- Spring 2003 FBI was substantially higher when compared to other results.
- Corresponding with the high spring FBI, EPT, number of families and the dominant family point towards possible pollution during this sampling period.
- Fall 2003 data are comparable to that of past data in that the water quality is very good with possible slight organic pollution.
- Possible differences in the spring 2003 data may be: spring snow melt time differences, sampling of different microhabitats, differences in hatch times for organisms or difference in stream flow.
- In order to further evaluate water quality at this site more research must be conducted.

Current Dominant Families:



Scientific Name: Chironomidae
Common Name: midge larvae
Tolerance Value: 6
Of note: important as fish food and as indicators of water quality



Scientific Name: Hydrophychidae
Common Name: common net-spinners
Tolerance Value: 4
Of note: most commonly collected caddisflies