

## **Appendix I: Spring Creek Monitoring Report**



## Biomonitoring Results for Spring Creek (Chaska High School VSMP Site)

Last Date Sampled: September 16, 2003

| Date      | Family Biotic Index | Habitat Score | EPT | Number of Families | Dominant Family | Dominant Family % Overall |
|-----------|---------------------|---------------|-----|--------------------|-----------------|---------------------------|
| 10/2/2001 | 5.1                 | N/A           | 3   | 13                 | Baetidae        | 38.3%                     |
| 5/10/2002 | 4.3                 | 165           | 2   | 6                  | Gammaridae      | 88.1                      |
| 9/16/2002 | 4.2                 | 164           | 1   | 6                  | Gammaridae      | 86.7                      |
| 6/13/2003 | 4.4                 | N/A           | 1   | 5                  | Gammaridae      | 78.3%                     |
| 9/16/2003 | 4.2                 | 196           | 1   | 7                  | Baetidae        | 58.3%                     |

\* for details refer to pages 2-4 and 2-5  
\*\* fall 2003 results not final QA/AC

### Summary of Results:

- 2003 FBI results are consistent with 2002 data in that they all indicate good to very good water quality.
- Dominant families in all monitoring sessions have similar tolerance values. Such tolerance values signify moderate to low pollution tolerance.
- In order to draw further conclusions, more research must be conducted at this site.

### Current Dominant Families:



**Family Name:** Gammaridae  
**Common Name:** scud  
**Tolerance Value:** 4  
**Occurrence:** widespread  
**Of note:** feed on organic debris



**Family Name:** Baetidae  
**Common Name:** small minnow mayflies  
**Tolerance Value:** 4  
**Occurrence:** widespread  
**Of note:** very common when conditions permit