

Site: Gainer Spring #1C

Date: 5/18/10

Investigator: L. Hester; P. Madden

| Transect (m) | Point<br>1=right<br>9=left | Algal Thickness<br>(0 - 5) | Algae Type | Canopy<br>Cover | Transect (m)                                                                                                                   | Point<br>1=right<br>9=left | Algal Thickness<br>(0 - 5) | Algae Type     | Canopy<br>Cover |            |           |
|--------------|----------------------------|----------------------------|------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|----------------|-----------------|------------|-----------|
| 0            | 1                          | 3                          | (F) D O    | 22/96           | 60                                                                                                                             | 1                          | 4                          | (F) D O        | 34/96           |            |           |
|              | 2                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 3                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 4                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 5                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 6                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 7                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 8                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 9                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
| 10           | 1                          | 1                          | F (D) O    | 11/96           | 70                                                                                                                             | 1                          | 3                          | (F) D O        | 20/96           |            |           |
|              | 2                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 3                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 4                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 5                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 6                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 7                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 8                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 9                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
| 20           | 1                          | 1                          | F (D) O    | 6/96            | 80                                                                                                                             | 1                          | 0                          | F D O          | 41/96           |            |           |
|              | 2                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 3                          | 4                          | (F) D O    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 4                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 5                          | 0-1                        | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 6                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 7                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 8                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 9                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
| 30           | 1                          | 0                          | F D O      | 11/96           | 90                                                                                                                             | 1                          | 1                          | F (D) O        | 76/96           |            |           |
|              | 2                          | 0                          | (F) D O    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 3                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 4                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 5                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 6                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 7                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 8                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 9                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
| 40           | 1                          | 1                          | (F) D O    | 93/96           | 100                                                                                                                            | 1                          | 0                          | F D O          | 73/96           |            |           |
|              | 2                          | 0-3                        | (F) D O    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 3                          | 0                          | F D O      |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 4                          | 3                          | (F) D O    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 5                          | 1                          | F (D) O    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 6                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 7                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 8                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 9                          | 4                          | (F) D O    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
| 50           | 1                          | 0                          | F D O      | 27/96           | Algal Thickness Rank                                                                                                           |                            |                            |                |                 |            |           |
|              | 2                          | 0                          | (F) D O    |                 | 0                                                                                                                              | 1                          | 2                          | 3              | 4               | 5          | 6         |
|              | 3                          | 0                          | F D O      |                 | 0 mm                                                                                                                           | <0.5 mm<br>or slimy        | 0.5 - 1<br>mm              | >1 to <6<br>mm | 6 - 20<br>mm    | 2-10<br>cm | >10<br>cm |
|              | 4                          | 0                          | F D O      |                 | Record an "X" for points where algae is not sampled because the substrate cannot be seen or reached with the hand.             |                            |                            |                |                 |            |           |
|              | 5                          | 0                          | F D O      |                 | Algae Type: F = Filamentous D = Diatoms O = Other                                                                              |                            |                            |                |                 |            |           |
|              | 6                          | 1                          | F D (O)    |                 | Record canopy cover as the number of small densimeter squares (out of 96) that HAVE TREE COVER. Measure while facing upstream. |                            |                            |                |                 |            |           |
|              | 7                          | 5                          | (F) D O    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 8                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |
|              | 9                          | 1                          | F D (O)    |                 |                                                                                                                                |                            |                            |                |                 |            |           |

Notes: -many snails in run

-algae type "other" is flocculating algae

-flocculating algae difficult to measure;

automatically given rank of 1 for this site