# Mud Creek Watershed Fisheries Survey

Data-sheets provided by the U.S. Army Corps of Engineers, New York District;
Analysis provided by the New York State Department of Environmental Conservation,
Bureau of Fisheries

Survey Dates: September 27 and 28, 2005

# Mud Creek Watershed Fisheries Survey

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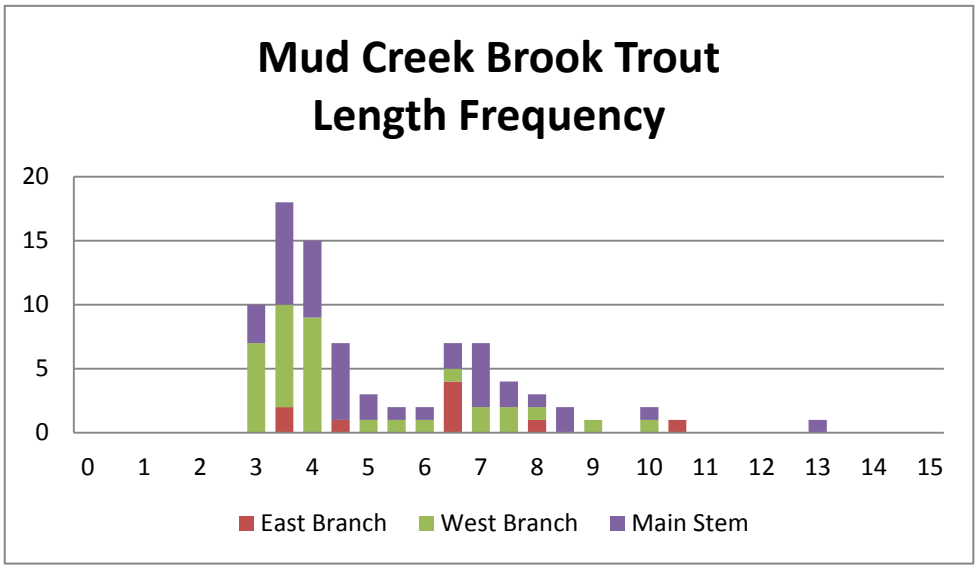
Bureau of Fisheries

# Survey Analysis

Survey Dates: Sept. 27 and 28, 2005

# Mud Creek September 2005 Fish Survey Summary

| Species | Location | Number | Avg len | Min Len | Max Len |
|---|---|---|---|---|---|
| | | | (in) | (in) | (in) |
| Brook Trout | Main stem south of Montauk Hwy. | 41 | 5.5 | 3 | 13.25 |
| *(Salvelinus fontinalis)* | East Branch | 9 | 6.3 | 3.75 | 10.5 |
| | West Branch | 38 | 4.9 | 3 | 10 |
| | Total | 88 | | | |
| | | | | | |
| Eastern Mudminnow | Main stem south of Montauk Hwy. | 70 | 3.1 | 1.75 | 4.75 |
| *(Umbra pygmaea)* | East Branch | 511 | 2.7 | 1.5 | 4.5 |
| | West Branch | 325 | 3.0 | 1.5 | 4.75 |
| | Total | 906 | | | |
| | | | | | |
| American Eel | Main stem south of Montauk Hwy. | 81 | | | |
| *(Anguilla rostrata)* | East Branch | 187 | | | |
| | West Branch | 53 | | | |
| | Total | 321 | | | |



# Mud Creek Fish Survey Field Data - September 2005

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | BT | 3.75 | 95 | 0.8 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.5 | 64 | 3.4 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.5 | 64 | 2.2 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 4.5 | 114 | 15 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3.5 | 89 | 8.3 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3.25 | 83 | 6.5 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.75 | 70 | 3.6 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.5 | 64 | 2.8 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3 | 76 | 5.3 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3 | 76 | 3.7 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3.25 | 83 | 7 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3 | 76 | 5.3 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.75 | 70 | 4.2 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3.25 | 83 | 6.3 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.75 | 70 | 3.9 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3.25 | 83 | 7.1 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3.75 | 95 | 10.9 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3 | 76 | 5.1 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3 | 76 | 5.3 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.75 | 70 | 3.9 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.75 | 70 | 5.1 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | BT | 3.75 | 95 | 7.8 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3 | 76 | 6 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.75 | 70 | 5.4 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3.25 | 83 | 8 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2 | 51 | 2.4 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.75 | 70 | 2.8 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 2.75 | 70 | 3.6 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3.5 | 89 | 8.4 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | MM | 3 | 76 | 5.1 | 1 |
| 9/28/2005 | **EB-1 Culvert N to Bridgetail E** | 1 | eel | | | | 20 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | BT | 6.5 | 165 | 46.6 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | BT | 6.5 | 165 | 47.2 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | BT | 6.5 | 165 | 32 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | BT | 4.75 | 121 | 11.2 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3 | 76 | 6 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3 | 76 | 6 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3 | 76 | 5.2 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3 | 76 | 4.3 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3.25 | 83 | 7.2 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2.75 | 70 | 4 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3 | 76 | 6.5 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3.5 | 89 | 7.8 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3.5 | 89 | 6.8 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2 | 51 | 5.8 | 1 |

KEY

**Species**

**BT**= Brook Trout

**MM**=Eastern Mudminnow

**eel**= American eel

**Location**

EB= East Branch

WB= West Branch

other= Main stem

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2.25 | 57 | 2.5 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3 | 76 | 5.9 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 4 | 102 | 11.8 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2.5 | 64 | 2.9 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3 | 76 | 4.6 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 1.75 | 44 | 0.8 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2.75 | 70 | 3.5 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2.75 | 70 | 4.3 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2.5 | 64 | 3.3 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 1.5 | 38 | 1.2 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2.75 | 70 | 4.5 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2.5 | 64 | 3.6 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 2.75 | 70 | 2 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3 | 76 | 3.7 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | 3.5 | 89 | 2.4 | 1 |
| 9/28/2005 | **EB-2 Land bridge to East** | 2 | MM | | | | 31 |
| 9/28/2005 | **EB-3** | 3 | BT | 6.5 | 165 | 45 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 4.25 | 108 | 14.1 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2.25 | 57 | 1.5 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 3 | 76 | 5.1 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2.75 | 70 | 2.7 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 3.75 | 95 | 6.2 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 3 | 76 | 5 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 3 | 76 | 4.4 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 1.5 | 38 | 0.8 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 1.75 | 44 | 1.1 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2 | 51 | 0.9 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2 | 51 | 0.7 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2.75 | 70 | 3.4 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2.5 | 64 | 3.2 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2.75 | 70 | 3.7 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 3.25 | 83 | 6 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 3 | 76 | 4.4 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2.75 | 70 | 3.9 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 3.25 | 83 | 5.6 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2.5 | 64 | 3 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2 | 51 | | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 3 | 76 | 5.7 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 2 | 51 | | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 3.25 | 83 | | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 1.5 | 38 | 1 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | 1.75 | 44 | 1.2 | 1 |
| 9/28/2005 | **EB-3** | 3 | MM | | | | 143 |
| 9/28/2005 | **EB-3** | 3 | eel | | | | 35 |
| 9/28/2005 | **EB-4** | 4 | BT | 8 | 203 | 8.5 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.5 | 89 | 2.5 | 1 |

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/28/2005 | **EB-4** | 4 | MM | 2 | 51 | 1.2 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.5 | 89 | 1 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3 | 76 | 3.4 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 2.75 | 70 | 3.5 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.5 | 89 | 5.4 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 2.75 | 70 | 3.6 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.5 | 89 | | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.25 | 83 | 5.7 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.5 | 89 | 0.5 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.25 | 83 | 6 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.75 | 95 | 1.62 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 2 | 51 | | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3 | 76 | 6.4 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 4 | 102 | 14.3 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.25 | 83 | 6.3 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 1.75 | 44 | 1.1 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 2.75 | 70 | | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3.25 | 83 | | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 2.75 | 70 | | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 2 | 51 | 1.2 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 2 | 51 | 1.2 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 2.5 | 64 | 3.4 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 2.5 | 64 | 3.5 | 1 |
| 9/28/2005 | **EB-4** | 4 | MM | 3 | 76 | 7.3 | 1 |
| 9/28/2005 | **EB-4** | 4 | eel | | | | 25 |
| 9/28/2005 | **EB-4** | 4 | MM | | | | 34 |
| 9/28/2005 | **EB-5** | 5 | MM | 3.5 | 89 | 8.1 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 3 | 76 | 5.6 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 2.75 | 70 | 6.1 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 2.5 | 64 | 3.4 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 3.25 | 83 | 6.4 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 1.75 | 44 | 0.9 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 1.75 | 44 | 1 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 2 | 51 | 1.4 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 1.75 | 44 | 1.3 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 1.5 | 38 | 0.6 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 2 | 51 | 1.2 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 2.5 | 64 | 2 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 2 | 51 | 1.1 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 1.75 | 44 | 1 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 1.5 | 38 | 0.9 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 2 | 51 | 28 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 3 | 76 | 1.1 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 3 | 76 | 3.2 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 3.25 | 83 | 4 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 1.75 | 44 | 0.8 | 1 |

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/28/2005 | **EB-5** | 5 | MM | 2 | 51 | 1.8 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 1.75 | 44 | 0.7 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 1.75 | 44 | 1.1 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | 2 | 51 | 1.4 | 1 |
| 9/28/2005 | **EB-5** | 5 | MM | | | | 91 |
| 9/28/2005 | **EB-5** | 5 | eel | | | | 68 |
| 9/28/2005 | **EB-6** | 6 | BT | 10.5 | 267 | 157.9 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2 | 51 | 1.4 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2.75 | 70 | 5.3 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2 | 51 | 1.2 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 1.75 | 44 | 1.2 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2.5 | 64 | 3.3 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 3 | 76 | 3 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2.5 | 64 | 4 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 4 | 102 | 11.8 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 3 | 76 | 5.2 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 3 | 76 | 5.2 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 3.5 | 89 | | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2.75 | 70 | 0.9 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | | | 0.9 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 3 | 76 | | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2 | 51 | 1 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2 | 51 | 1 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2.5 | 64 | 3.5 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2 | 51 | 0.9 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2 | 51 | 1.3 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 1.75 | 44 | 0.8 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2 | 51 | 1.8 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 3 | 76 | 0.6 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 1.75 | 44 | 0.5 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 3.25 | 83 | 1.4 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | 2.75 | 70 | 3.5 | 1 |
| 9/28/2005 | **EB-7** | 7 | MM | | | | 60 |
| 9/28/2005 | **EB-7** | 7 | eel | | | | 39 |
| 9/27/2005 | **N Robinson A** | 1A | BT | 10 | 254 | 167.1 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | BT | 13.25 | 337 | 445 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | BT | 8 | 203 | 87.8 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | BT | 4.75 | 121 | 17.7 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | BT | 4.75 | 121 | 19.8 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 3.25 | 83 | 9.1 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 3.5 | 89 | 7.8 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 2.75 | 70 | 5.6 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | BT | 4.25 | 108 | 12.8 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 4.25 | 108 | 15.7 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 3.5 | 89 | 10.1 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 2.75 | 70 | 4.6 | 1 |

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/27/2005 | **N Robinson A** | 1A | MM | 2.75 | 70 | 4.9 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 2 | 51 | 2.3 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 2 | 51 | 1.3 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 3 | 76 | 4 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | BT | 4.25 | 108 | 11.4 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 4.75 | 121 | 21 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 2 | 51 | 1.2 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 4 | 102 | 15 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 3.75 | 95 | 11.9 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 3.5 | 89 | 9.7 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 4.5 | 114 | 20 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 2 | 51 | 3.3 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | MM | 3.25 | 83 | 8 | 1 |
| 9/27/2005 | **N Robinson A** | 1A | eel | | | | 9 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2.5 | 64 | 5.6 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2 | 51 | 1 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 1.75 | 44 | 0.9 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 3.25 | 83 | 7.1 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 3 | 76 | 6.2 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2 | 51 | 1.7 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2.25 | 57 | 3 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | eel | 21 | 533 | 372.8 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2.25 | 57 | 1.8 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 3.5 | 89 | 8.9 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2 | 51 | 1.5 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 3.75 | 95 | 12.6 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2.25 | 57 | 2.2 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2 | 51 | 1.2 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2 | 51 | 1 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2 | 51 | 1.2 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2.25 | 57 | 1.8 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2.75 | 70 | 4.7 | 1 |
| 9/27/2005 | **N Robinson A** | 2A | MM | 2 | 51 | 1 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 5 | 127 | 18.4 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 4.25 | 108 | 14.9 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 3.75 | 95 | 8 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 4 | 102 | 13.7 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 3 | 76 | 6.9 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 3.35 | 85 | 7.5 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 4.25 | 108 | 12.4 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 3.5 | 89 | 9.1 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 3.75 | 95 | 12.7 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 1.75 | 44 | 1.1 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 6.5 | 165 | 40.2 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 4.5 | 114 | 15.4 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 3.5 | 89 | 8.6 | 1 |

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/27/2005 | **Reach B** | 3A | BT | 7 | 178 | 60.4 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 2.75 | 70 | 4 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 4.5 | 114 | 14.7 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 4 | 102 | 15.2 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 4.5 | 114 | 16.7 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 7.5 | 191 | 76 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 3.5 | 89 | 10 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 4 | 102 | 14.2 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 7 | 178 | 50.5 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 2.75 | 70 | 4.2 | 1 |
| 9/27/2005 | **Reach B** | 3A | MM | 3 | 76 | 7.2 | 1 |
| 9/27/2005 | **Reach B** | 3A | BT | 4 | 102 | 11.6 | 1 |
| 9/27/2005 | **Reach B** | 3A | eel | | | | 44 |
| 9/27/2005 | **B** | 4A | MM | 3 | 76 | 5.7 | 1 |
| 9/27/2005 | **B** | 4A | MM | 2 | 51 | 2.4 | 1 |
| 9/27/2005 | **B** | 4A | MM | 3 | 76 | 6.3 | 1 |
| 9/27/2005 | **B** | 4A | MM | 3.25 | 83 | 7.5 | 1 |
| 9/27/2005 | **B** | 4A | BT | 3.5 | 89 | 7.3 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 7 | 178 | 57.7 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 6.75 | 171 | 49.3 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 6 | 152 | 40.4 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 7.5 | 191 | 69.9 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 7 | 178 | 61.2 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 8.5 | 216 | 130.9 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 7 | 178 | 70 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 8.5 | 216 | 105.2 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 5.75 | 146 | 32 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 5 | 127 | 19.2 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 3.25 | 83 | 4.9 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 3.75 | 95 | 8.5 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 3.25 | 83 | 8.7 | 1 |
| 9/27/2005 | **Reach C** | 5A | MM | 4.5 | 114 | 21.2 | 1 |
| 9/27/2005 | **Reach C** | 5A | MM | 4 | 102 | 13.1 | 1 |
| 9/27/2005 | **Reach C** | 5A | MM | 3.25 | 83 | 6.3 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 4.5 | 114 | 16.5 | 1 |
| 9/27/2005 | **Reach C** | 5A | MM | 4 | 102 | 14.6 | 1 |
| 9/27/2005 | **Reach C** | 5A | MM | 3.25 | 83 | 8.5 | 1 |
| 9/27/2005 | **Reach C** | 5A | MM | 4.5 | 114 | 19.3 | 1 |
| 9/27/2005 | **Reach C** | 5A | MM | 2 | 51 | 2.9 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 3.75 | 95 | 8.2 | 1 |
| 9/27/2005 | **Reach C** | 5A | BT | 3.75 | 95 | 9.6 | 1 |
| 9/27/2005 | **Reach C** | 5A | MM | 3.75 | 95 | 10.7 | 1 |
| 9/27/2005 | **Reach C** | 5A | MM | 3.5 | 89 | 4.4 | 1 |
| 9/27/2005 | **Reach C** | 5A | eel | | | | 27 |
| 9/27/2005 | **Reach C** | 6A | MM | 3 | 76 | 5.1 | 1 |
| 9/27/2005 | **Reach C** | 6A | BT | 3.5 | 89 | 6.5 | 1 |

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/27/2005 | **Reach C** | 6A | MM | 3 | 76 | 6.2 | 1 |
| 9/27/2005 | **Reach C** | 6A | MM | 3 | 76 | 5.8 | 1 |
| 9/27/2005 | **Reach C** | 6A | BT | 3.5 | 89 | 6.6 | 1 |
| 9/27/2005 | **Reach C** | 6A | MM | 3.5 | 89 | 8.9 | 1 |
| 9/27/2005 | **Reach C** | 6A | MM | 4 | 102 | 13.5 | 1 |
| 9/27/2005 | **Reach C** | 6A | BT | 4.5 | 114 | 12.8 | 1 |
| 9/27/2005 | **Reach C** | 6A | MM | 2.25 | 57 | 1.6 | 1 |
| 9/27/2005 | **D Culvert N to Road** | 7A | BT | 4 | 102 | 12.7 | 1 |
| 9/27/2005 | **D Culvert N to Road** | 7A | BT | 3 | 76 | 5.7 | 1 |
| 9/27/2005 | **D Culvert N to Road** | 7A | MM | 3.5 | 89 | 4.7 | 1 |
| 9/27/2005 | **D Culvert N to Road** | 7A | MM | 4 | 102 | 12.7 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.75 | 70 | 4 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | BT | 3.5 | 89 | 6.9 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 3 | 76 | 3 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 3 | 76 | 4.8 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.75 | 70 | 3.4 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.5 | 64 | 2.7 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.25 | 57 | 2.5 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | BT | 7.5 | 191 | 62.9 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | BT | 4.5 | 114 | 12.2 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | BT | 3 | 76 | 4.8 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 4.5 | 114 | 16.4 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 3.5 | 89 | 6.8 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | BT | 3.5 | 89 | 6.6 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | BT | 4.25 | 108 | 7.4 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 3 | 76 | 6 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 3.5 | 89 | 4 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.5 | 64 | 2.9 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 4 | 102 | 10.2 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.25 | 57 | 2.3 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.5 | 64 | 3 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 4.6 | 117 | 12.4 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.5 | 64 | 3.5 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 3 | 76 | 4.5 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.5 | 64 | 2.5 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 8A | MM | 2.5 | 64 | 2.2 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.75 | 70 | 3.6 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 3 | 76 | 4.8 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 3.5 | 89 | 4.8 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | BT | 8 | 203 | 91.7 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.5 | 64 | 3.7 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.5 | 64 | 3.3 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.25 | 57 | 2.7 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.5 | 64 | 3.1 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.5 | 64 | 2.5 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 3 | 76 | 6.1 | 1 |

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 3 | 76 | 4.3 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 3.5 | 89 | 7 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.75 | 70 | 2.9 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 4 | 102 | 15.7 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.75 | 70 | 4.4 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 3.5 | 89 | 4.8 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 3.25 | 83 | 5.2 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 3.25 | 83 | 6 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.5 | 64 | 4.6 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.75 | 70 | 4.5 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.5 | 64 | 3.6 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.5 | 64 | 3.7 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 2.25 | 57 | 1.8 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 1.5 | 38 | 0.6 | 1 |
| 9/27/2005 | **Highway N of Culvert WB-1** | 9A | MM | 3.5 | 89 | 7.5 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3 | 76 | 4.6 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3.75 | 95 | 11.8 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 2.75 | 70 | 3.5 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3 | 76 | 5.5 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 2.75 | 70 | 4 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 2.25 | 57 | 2 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 2.75 | 70 | 4.1 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 2.5 | 64 | 2.9 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3.25 | 83 | 6.4 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3.5 | 89 | 8.4 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | BT | 3.25 | 83 | 4.6 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3 | 76 | 3.9 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3.75 | 95 | 10.3 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | BT | 3.5 | 89 | 6.8 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | BT | 4 | 102 | 8.7 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | BT | 4.25 | 108 | 10.3 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3.5 | 89 | 7.4 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 1.75 | 44 | 1.2 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 1.5 | 38 | 0.5 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | BT | 4.25 | 108 | 11.3 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 2.75 | 70 | 4 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 2.25 | 57 | 2.6 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3.75 | 95 | 9.1 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 3.5 | 89 | 5 | 1 |
| 9/27/2005 | **Highway North WB1** | 10A | MM | 4.75 | 121 | 21.2 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3.25 | 83 | 5.8 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3 | 76 | 4.3 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3 | 76 | 4.2 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 2.5 | 64 | 4.3 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3.75 | 95 | 10.1 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3.25 | 83 | 6.8 | 1 |

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/27/2005 | **WB-1** | 11A | MM | 2.5 | 64 | 6.2 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 2.75 | 70 | 0.6 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3.5 | 89 | 3.7 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 4 | 102 | 3.1 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3.5 | 89 | 8 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 2.5 | 64 | 13.3 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 2.75 | 70 | 4.8 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 2.5 | 64 | 3.2 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3.25 | 83 | 4.7 | 1 |
| 9/27/2005 | **WB-1** | 11A | BT | 4 | 102 | 16.1 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3 | 76 | 4.8 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3.25 | 83 | 6.6 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3.25 | 83 | 6.8 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 2.75 | 70 | 4 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 2.5 | 64 | 2.4 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 2.5 | 64 | 3.7 | 1 |
| 9/27/2005 | **WB-1** | 11A | MM | 3 | 76 | 4.9 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.75 | 70 | 3.4 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.25 | 57 | 2.1 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 3.5 | 89 | 4.2 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.25 | 57 | 2.5 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.75 | 70 | 3.4 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 4 | 102 | 11.9 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 3.75 | 95 | 11.6 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 3.75 | 95 | 4.7 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 3.75 | 95 | 6.9 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.25 | 57 | 4.3 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.75 | 70 | 3.5 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.5 | 64 | 2.6 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2 | 51 | 0.7 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.75 | 70 | 3.8 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 1.5 | 38 | 0.5 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.75 | 70 | 2.7 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 3.5 | 89 | 8.2 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 3.5 | 89 | 8 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.5 | 64 | 2.5 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 2.75 | 70 | 4.7 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 1.5 | 38 | 0.9 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 8.5 | 216 | 5.1 | 1 |
| 9/27/2005 | **WB-1** | 12A | BT | 3 | 76 | 5 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 3.25 | 83 | 6 | 1 |
| 9/27/2005 | **WB-1** | 12A | MM | 3 | 76 | 4.6 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3 | 76 | 5 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3.75 | 95 | 10.5 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3.75 | 95 | 4.3 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.75 | 70 | 3 | 1 |

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/27/2005 | **WB-1** | 13A | MM | 3.25 | 83 | 6.7 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.5 | 64 | 2.8 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.75 | 70 | 4.5 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3 | 76 | 4.1 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 4.5 | 114 | 18 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3.25 | 83 | 4 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.25 | 57 | 2.5 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.5 | 64 | 3.1 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.5 | 64 | 3.2 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3.75 | 95 | 9.1 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3.25 | 83 | 4.7 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.25 | 57 | 2.8 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3.75 | 95 | 4.6 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3.25 | 83 | 3.2 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.25 | 57 | 2.2 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.7 | 69 | 3.5 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.5 | 64 | 2.9 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3.25 | 83 | 5.8 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.75 | 70 | 3.4 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 3.5 | 89 | 2 | 1 |
| 9/27/2005 | **WB-1** | 13A | MM | 2.75 | 70 | 2.5 | 1 |
| 9/27/2005 | **WB-1** | 14A | MM | 3.5 | 89 | 7 | 1 |
| 9/27/2005 | **WB-1** | 14A | MM | 4 | 102 | | 1 |
| 9/27/2005 | **WB-1** | 14A | MM | 2.75 | 70 | 4.6 | 1 |
| 9/27/2005 | **WB-1** | 14A | MM | | | | 46 |
| 9/27/2005 | **WB-1** | 15A | BT | 10 | 254 | 135.2 | |
| 9/27/2005 | **WB-1** | 15A | BT | 9 | 229 | 115.6 | |
| 9/27/2005 | **WB-1** | 15A | BT | 7.5 | 191 | 118.9 | |
| 9/27/2005 | **WB-1** | 15A | BT | 9 | 229 | | |
| 9/27/2005 | **WB-1** | 15A | BT | 7.25 | 184 | | |
| 9/27/2005 | **WB-1** | 15A | BT | 6.75 | 171 | 29.7 | |
| 9/27/2005 | **WB-1** | 15A | BT | 5.75 | 146 | 26.6 | |
| 9/27/2005 | **WB-1** | 15A | BT | 5.25 | 133 | 14.9 | |
| 9/27/2005 | **WB-1** | 15A | BT | 4.5 | 114 | 8.9 | |
| 9/27/2005 | **WB-1** | 15A | BT | 4 | 102 | 18.8 | |
| 9/27/2005 | **WB-1** | 15A | BT | 4.25 | 108 | 4.8 | |
| 9/27/2005 | **WB-1** | 15A | BT | 3.25 | 83 | | |
| 9/27/2005 | **WB-1** | 15A | BT | 7 | 178 | | |
| 9/27/2005 | **WB-1** | 15A | BT | 3.5 | 89 | 6.4 | |
| 9/27/2005 | **WB-1** | 15A | BT | 3.5 | 89 | 3 | |
| 9/27/2005 | **WB-1** | 15A | BT | 4 | 102 | 10.6 | |
| 9/27/2005 | **WB-1** | 15A | BT | 3.75 | 95 | 3.9 | |
| 9/27/2005 | **WB-1** | 15A | BT | 3.25 | 83 | 6.2 | |
| 9/27/2005 | **WB-1** | 15A | BT | 3 | 76 | 4.8 | |
| 9/27/2005 | **WB-1** | 15A | BT | 3.75 | 95 | 4.1 | |
| 9/27/2005 | **WB-1** | 15A | BT | 4 | 102 | | |

| Date | Location | PDF Pg# | Species | Len (in) | Len (mm) | Wt (g) | Number |
|---|---|---|---|---|---|---|---|
| 9/27/2005 | **WB-1** | 15A | BT | 3.5 | 89 | 6.8 | |
| 9/27/2005 | **WB-1** | 15A | BT | 6 | 152 | 37.8 | |
| 9/27/2005 | **WB-1** | 15A | BT | 3 | 76 | 3.6 | |
| 9/27/2005 | **WB-1** | 15A | MM | | | | 142 |
| 9/27/2005 | **WB-1** | 15A | eel | | | | 53 |

# Mud Creek Watershed Fisheries Survey

Data-sheets provided by the U.S. Army Corps of Engineers, New York District;
Analysis provided by the New York State Department of Environmental Conservation,
Bureau of Fisheries

# Scope of Work

Survey Dates: Sept. 27 and 28, 2005

**Scope of Work**
**Mud Creek Watershed - Fisheries Survey**
**Sole Source Contract with Cold Spring Harbor Fish Hatchery and Aquarium**

## I. Introduction:

The U.S. Army Corps of Engineers (Corps), New York District, has partnered with Suffolk County to study and implement a Section 206 Aquatic Ecosystem Restoration Project for Mud Creek Watershed in East Patchogue, New York. The project study area is located on County acquired property. The property had been formerly used as a duck farm operation up until the 1980's. The East Branch of the Mud Creek and its floodplain area were altered for farming operations. The West Branch of Mud Creek has existed primarily in its natural state. The West Branch will serve as a reference reach for development of restoration goals for the East Branch.

This Scope of Work will be utilized to begin to collect site baseline environmental data. The task will be to collect fisheries data from the north end of Robinson Pond, north through West Branch and through the southern reach of the East Branch of Mud Creek. This will be done through an electrofishing survey.

It is expected that the New York State, Department of Environmental Conservation (NYSDEC), and potentially Trout Unlimited will participate with the electrofishing survey. One Corps biologist will participate with the data collection effort, and additional Government personnel will be collecting water quality and physical condition data simultaneously. A special collection permit from NYSDEC is needed for this work. Cold Spring Harbor Fish Hatchery personnel possess this special collection permit.

The work detailed in this Scope of Work is to be completed prior to September 30, 2005, which is the end of the government fiscal year. It is preferred that the survey be scheduled during the last week of September and must be coordinated through the Corps with NYSDEC, Trout Unlimited and Suffolk County. The Corps will be the lead in coordinating the field dates.

## II. General Requirements:

1. For this contract purchase order, the contractee is the U.S. Army Corps of Engineers, New York District. Cold Spring Harbor Fish Hatchery and Aquarium will be the contractor. The Corps POC is Ms. Megan Grubb, the project biologist, at (917) 790-8618 or megan.b.grubb@usace.army.mil. Norm Sule has been identified as the contractor POC. Government fax is (212)-264-0961.

2. All information, documents, correspondence, reports, conversations, meetings, etc. generated under this delivery order shall be used exclusively for executing this SOW and must have Corps approval before being released or used for any other purpose. Non-compliance may result in legal action against the Contractor.

3. The contractor's name and/or company logo shall not appear in any of the products without approval from the Corps POC, except for the plans and specifications that should include this information.

4. The contractor shall coordinate site visits with the Corps POC. Multiple parties will be involved with fisheries sampling, therefore advance coordination is needed.

5. The contractor shall contact the Corps POC on a monthly basis via phone/email to discuss the status of the project. The contractor shall be prepared to copy furnish NYSDEC on emails at the request of the Corps POC.

6. The Corps shall provide the contractor with background information on the study area, including mapping and draft sampling plans.

7. The Contractor shall review the Corps provided Safety Plan, follow Corps guidance for safety protocols, and review their internal safety procedures. The work involves strenuous physical activity in water, mud, and heavily vegetated conditions. Safety protocols will be reviewed on-site with the Cold Spring Harbor Fish Hatchery contact person for proper electrofishing protocol to avoid incident. Proper attire shall include waders and gloves or fiberglass dip net. The Contractor shall be required to have a cell-phone for emergency contact. All field personnel should be equipped properly (own water bottles, clothing, food, etc.)

8. The Corps will coordinate with Suffolk County, the property owner, for site access.

## III. Task Assignments

### 1. Fisheries Survey

The contractor shall work cooperatively with NYSDEC, Trout Unlimited, the Corps and Suffolk County to conduct an electrofishing survey from the north end of Robinson Pond through the West Branch of Mud Creek and through primarily the southern reach of the East Branch of Mud Creek. The survey shall be scheduled in late September 2005. The contractor will coordinate with the Corps to coordinate a date. The Corps will serve as the primary in bringing together all parties. A special collection permit is required for sampling of this heritage trout population stream.

The survey will extend from the northern end of Robinson Pond to the northern stream reach (waters that support fisheries habitat) of the West Branch of Mud Creek on Suffolk County owned property and to the northern stream reach of the East Branch of Mud Creek on Suffolk County owned property (see attached figure).

The contractor will supply fisheries survey equipment (dipnets, backpack electrofisher, bucket(s) and fish measuring board), have a cell phone for emergency contact, and be outfitted properly (proper waders, water bottle, etc.) Safety procedures will be reviewed before initiating the survey work. The contractor shall be equipped with the proper

wader/glove attire. A Smith Root Model L24 backpack electrofisher or equivalent device(s) will be used to survey.

Fish species shall be removed using a standard one-pass removal technique. All fish shall be weighed to the nearest 1.0 gram using a spring scale. All fish will be measured for total length and standard length to the nearest 1.0 mm. Additional observations regarding sex or ripeness (presences of eggs or milt) should be noted. Data will be recorded by study reach.

The Corps shall provide the equipment to take water quality and temperature readings and water velocity measurements simultaneous with fisheries survey work.

The survey work is anticipated to take 2-3 days of field time.

The project deliverable will be legible field data sheets. If field data sheets are not legible, the contractor will record onto an Excel spreadsheet and email to the Corps POC.

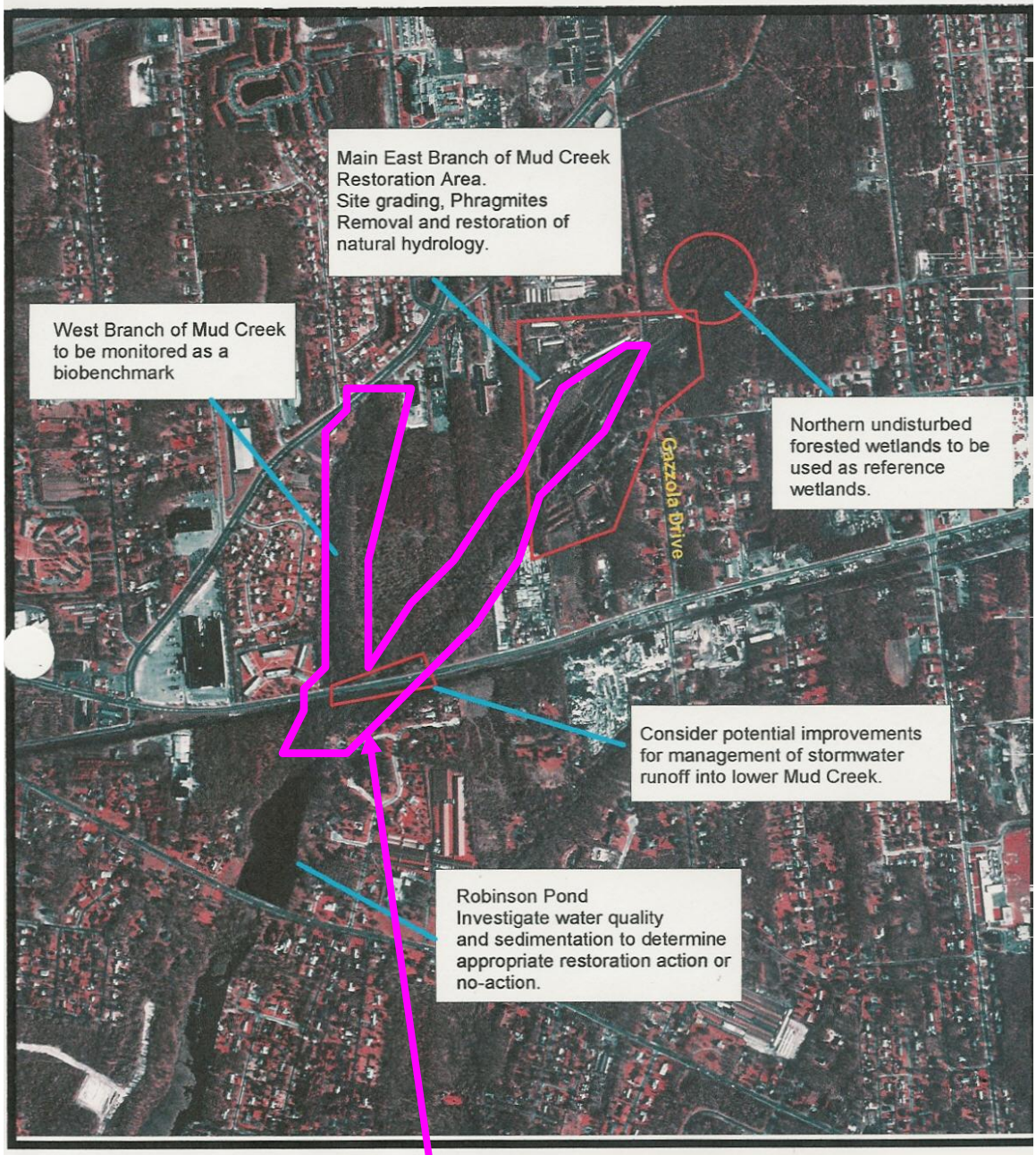
The Corps will coordinate with the contractor in advance of the field dates to finalize a sampling plan (Corps prepared).

## IV. Deliverables Schedule

Fisheries Survey to be completed within 60 days of NTP. Deliverable is field data (submitted on legible field data sheets or via Excel Spreadsheet).

## V. Payment Schedule

This contract purchase order will be paid as a lump sum of $2500 after the completion of the fisheries survey.




**Overview of Mud Creek Watershed**
**Restoration Areas and Reference Wetlands/Biobenchmarks**

**Figure 2**

**Fisheries Survey Area**

# Mud Creek Watershed Fisheries Survey

Data-sheets provided by the U.S. Army Corps of Engineers, New York District;
Analysis provided by the New York State Department of Environmental Conservation,
Bureau of Fisheries

# Field Data Sheets

Survey Dates: Sept. 27 and 28, 2005

**Mud Creek Fisheries Survey** **PAGE #** 1

| | |
|---|---|
| Date/Time: | 28 - Sep - 05 |
| Weather Conditions: | |
| Field Crew: | Steve, Megan, Norm, Mike + Jeff |
| Location (Reach): | EB-1 culvert N to bridge trail E |

| | |
|---|---|
| Substrate Type: ex. mud | Mud |
| Canopy coverage: % cover | 75% |
| Floodplain Description: ex. shrub/tree/mowed edge | partial disturbance @ roadside + shrub/tree canopy on |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE ~~mm~~ " | WEIGHT g | |
|---|---|---|---|
| Brook Trout | 3.75 | 0.8 | |
| MM | 2.5 | 3.4 | 1 |
| MM | 2.5 | 2.2 | 2 |
| MM | 4.5 | 15.0 | 3 |
| MM | 3.5 | 8.3 | 4 |
| MM | 3.25 | 6.5 | 5 |
| MM | 2.75 | 3.6 | 6 |
| MM | 2.5 | 2.8 | 7 |
| MM | 3.0 | 5.3 | 8 |
| MM | 3.0 | 3.7 | 9 |
| MM | 3.25 | 7.0 | 10 |
| MM | 3.0 | 5.3 | 11 |
| MM | 2.75 | 4.2 | 12 |
| MM | 3.25 | 6.3 | 13 |
| MM | 2.75 | 3.9 | 14 |
| MM | 3.25 | 7.1 | 15 |
| MM | 3.75 | 10.9 | 16 |
| MM | 3.0 | 5.1 | 17 |
| MM | 3.0 | 5.3 | 18 |
| MM | 2.75 | 3.9 | 19 |
| MM | 2.75 | 5.1 | 20 |
| BT | 3.75 | 7.8 | 21 |
| MM | 3.0 | 6.0 | 22 |
| MM | 2.75 | 5.4 | 23 |
| MM | 3.25 | 8.0 | 24 |
| MM | 2.0 | 1.4 | 25 |
| MM | 2.75 | 4.3 | 26 |

20 eels

| | | |
|---|---|---|
| MM | 2.75 | 3.6 |
| MM | 3.5 | 8.4 |
| MM | 3.0 | 5.1 |

**Mud Creek Fisheries Survey** **PAGE #** 2

| | |
|---|---|
| Date/Time: | 28 - Sept |
| Weather Conditions: | Sunny |
| Field Crew: | |
| Location (Reach): | ~~[illegible]~~ EB-2 land bridge to east |

| | |
|---|---|
| Substrate Type: ex. mud | mud |
| Canopy coverage: % cover | 50% |
| Floodplain Description: ex. shrub/tree/mowed edge | shrub on floodplain side |

15 Sept

10:30
11:00

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT | |
|---|---|---|---|
| BT | 6.5 | 46.6 | |
| BT | 6.5 | 47.2 | |
| BT | 5.5 | 32 | |
| BT | 4.75 | 11.2 | |
| MM | 3 | 6.0 | 1 |
| MM | 3 | 6.0 | 2 |
| MM | 3 | 5.2 | 3 |
| MM | 3 | 9.3 | 4 |
| MM | 3.25 | 7.2 | 5 |
| MM | 2.75 | 4.0 | 6 |
| MM | 3.0 | 6.5 | 7 |
| MM | 3.5 | 7.8 | 8 |
| MM | 3.5 | 6.8 | 9 |
| MM | 3.0 | 5.8 | 10 |
| MM | 2.25 | 2.5 | 11 |
| MM | 3 | 5.9 | 12 |
| MM | 4 | 11.8 | 13 |
| MM | 2.5 | 2.9 | 14 |
| MM | 3.0 | 4.6 | 15 |
| MM | 1.75 | 0.8 | 16 |
| MM | 2.75 | 3.5 | 17 |
| MM | 2.75 | 4.3 | 18 |
| MM | 2.5 | 3.3 | 19 |
| MM | 1.5 | 1.2 | 20 |
| MM | 2.75 | 4.5 | 21 |
| mm | | 3.6 | 22 |
| mm | 2.5 | 7 | 23 |
| mm | 2.75 | | 24 |
| mm | 3 | 5.7 | 25 |
| mm | 3.5 | 7.4 | |

+ 51 Count on Mud Minnow

**Mud Creek Fisheries Survey** **PAGE #** 3

| | |
|---|---|
| Date/Time: | Sept 28 05 |
| Weather Conditions: | Sunny Blue Sky |
| Field Crew: | |
| Location (Reach): | EB-3 |

| | |
|---|---|
| Substrate Type: ex. mud | 70% + mud |
| Canopy coverage: % cover 25% 50% | Clarity good to bottom [illegible] |
| Floodplain Description: ex. shrub/tree/mowed edge | phrag by road [illegible] |

open sun spots with smart [illegible]

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| BT | 6.5 | 45 |
| MM | 4.25 | 14.1 |
| MM | 2.25 | 1.5 |
| MM | 3.0 | 5.1 |
| MM | 2.75 | 3.7 |
| MM | 3.75 | 6.2 |
| MM | 3.0 | 5.0 |
| MM | 3.0 | 4.4 |
| MM | 1.5 | 0.8 |
| MM | 1.75 | 1.1 |
| MM | 2.0 | 0.9 |
| MM | 2.0 | 0.7 |
| MM | 2.75 | 3.9 |
| MM | 2.5 | 3.2 |
| MM | 2.75 | 3.7 |
| MM | 3.25 | 6.0 |
| MM | 3.0 | 4.4 |
| MM | 2.75 | 3.9 |
| MM | 3.25 | 5.6 |
| MM | 2.5 | 3.0 |
| MM | 2.0 | 1.0 |
| MM | 3.0 | 5.7 |
| MM | 2.0 | 0.9 |
| MM | 3.25 | 7.5 |
| MM | 1.5 | 1.0 |
| MM | 1.75 | 1.2 |

+ 143 count MM 35 eels

WSEI 11:13 11:44 AM Stop

**Mud Creek Fisheries Survey** **PAGE #**

| | |
|---|---|
| Date/Time: | Sept 28 |
| Weather Conditions: | Sunny |
| Field Crew: | |
| Location (Reach): | EB-4 |

4

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | 25-50 25-50 dude weed |
| Floodplain Description: ex. shrub/tree/mowed edge | shrub sun tall phrag maple [illegible] weed |

12:00
12:12

stopped at maple hundreds

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| BT | 8 | 8.5 |
| MM | 3.5 | 2.5 |
| MM | 2 | 1.2 |
| MM | 3.5 | 10 |
| M | 3 | 3.4 |
| MM | 2.75 | 3.5 |
| MM | 3.5 | 8.4 |
| MM | 2.75 | 3.6 |
| MM | 3.5 | 8.5 |
| MM | 3.25 | 5.7 |
| MM | 3.5 | 7.5 |
| MM | 2 1/8 | 6.0 |
| MM | 3.75 | 11.7 |
| MM | 2.0 | 1.2 |
| MM | 3.0 | 6.4 |
| MM | 4.0 | 14.3 |
| MM | 3.25 | 6.3 |
| MM | 1.75 | 1.1 |
| MM | 2.75 | 4.1 |
| MM | 3.25 | 7.2 |
| MM | 2.75 | 4.4 |
| MM | 2.0 | ~~[illegible]~~ 1.2 |
| MM | 2.0 | 1.2 |
| MM | 2.5 | 3.4 |
| MM | 2.5 | 3.5 |
| MM | 3.0 | 7.3 |

MM Cont 34 eel = 25

5

**Mud Creek Fisheries Survey** **PAGE #**

| | |
|---|---|
| Date/Time: | Sept 28 05 |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | EB-5 |

12:12 - 12:28

| | |
|---|---|
| Substrate Type: ex. mud | mud clear to bottom |
| Canopy coverage: % cover | 50% cover |
| Floodplain Description: ex. shrub/tree/mowed edge | [illegible] maple [illegible] [illegible] aquatic [illegible] |

12:24 time

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| MM | 3.5 | 8.1 |
| | 3.0 | 5.6 |
| | 2.75 | 4.1 |
| | 2.5 | 3.4 |
| | 3.25 | 6.4 |
| | 1.75 | 0.9 |
| | 1.75 | 1.0 |
| | 2.0 | 1.4 |
| | 1.75 | 1.3 |
| | 1.5 | 0.6 |
| | 2.0 | 1.2 |
| | 2.5 | 2.6 |
| | 2.0 | 1.1 |
| | 1.75 | 1.0 |
| | 1.75 | 0.9 |
| | 1.5 | 0.7 |
| | 2.0 | 1.1 |
| | 3.0 | 3.3 |
| | 3.0 | 6.0 |
| | 3.25 | 8.0 |
| | 1.75 | 0.8 |
| | 2.0 | 1.3 |
| | 1.75 | 0.7 |
| | 1.75 | 1.1 |
| | 2.00 | 1.4 |

+ 91 MM [illegible]

eel = 60

**Mud Creek Fisheries Survey** **PAGE #** 6

| | |
|---|---|
| Date/Time: | |
| Weather Conditions: | Sept 28 05 |
| Field Crew: | |
| Location (Reach): | EB-6 |

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | 75% within [illegible] [illegible] maple, [illegible] |
| Floodplain Description: ex. shrub/tree/mowed edge | shrub both sides |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| BT | 10.5 | 157.9 |
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12:36 → 12:49

**Mud Creek Fisheries Survey** **PAGE #** 7

| | |
|---|---|
| Date/Time: | |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | B-7 |

| | |
|---|---|
| Substrate Type: ex. mud | mud w/ pebbles 1-3" |
| Canopy coverage: % cover | 60% + growth up |
| Floodplain Description: ex. shrub/tree/mowed edge | good weed + vines |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

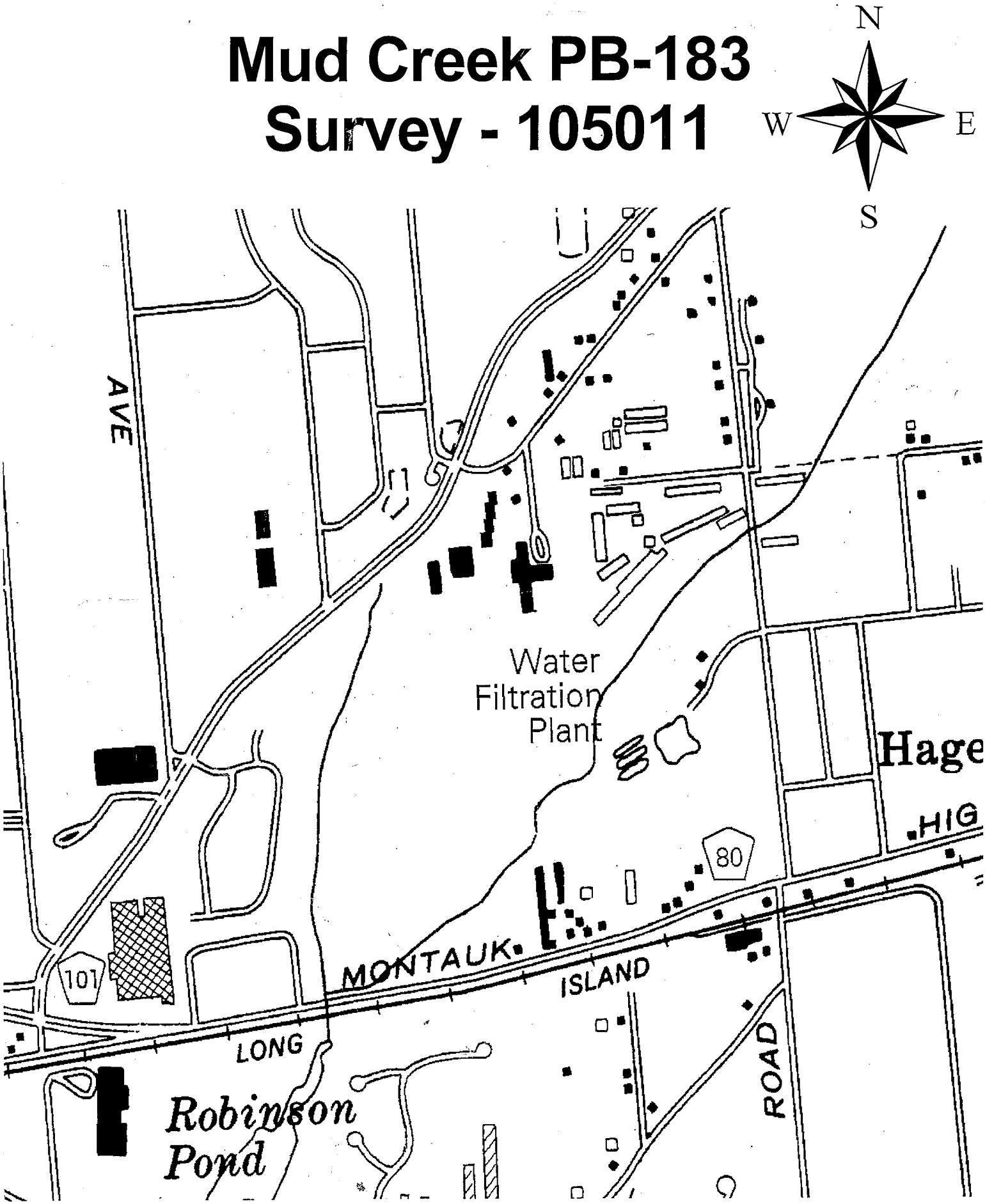
1pm start

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| MM | 2 | 1.4 |
| | 2.75 | 5.3 |
| | 2.0 | 1.2 |
| | 1.75 | 1.2 |
| | 2.5 | 3.3 |
| | 3.0 | 5.0 |
| | 2.5 | 4.0 |
| | 4.0 | 11.8 |
| | 3.0 | 5.2 |
| | 3.0 | 5.3 |
| | 3.5 | 8.7 |
| | 2.75 | 6.0 |
| | 1.25 | 0.9 |
| | 3.00 | 4.7 |
| | 2.00 | 1.0 |
| | 2.00 | 1.0 |
| | 2.39 | 3.5 |
| | 2.00 | 0.7 |
| MM | 2.18 | 0.3 |
| | 1.75 | 0.8 |
| | 2.00 | 1.2 |
| | 2.00 | 0.6 |
| | 1.75 | 0.7 |
| | 3.25 | 7.4 |
| | 2.75 | 3.3 |

+60 MM cont

59 pel

# Mud Creek PB-183
# Survey - 105011




0.3 0 0.3 0.6 Miles

**Mud Creek Fisheries Survey** **PAGE #** 1

| | |
|---|---|
| Date/Time: | Sept 27 2005 |
| Weather Conditions: | 71.7° 7.4 max mph 4.4 mph avg Sunny windy some clouds, blue skies |
| Field Crew: | |
| Location (Reach): | N Robinson A |

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | Mostly open 0-25% |
| Floodplain Description: ex. shrub/tree/mowed edge | water starwort in stream aquatic 40% |

Start time 11:08

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

P mead 11:19 AM

| FISH SPECIES | SIZE ~~mm~~ " | WEIGHT (g) |
|---|---|---|
| Brook trout | 10 | 167.1 |
| | 13.25 | 445 |
| | 8 | 8.8 |
| | 4.75 | 17.7 |
| | 4.75 | 19.8 |
| Eastern Mud Minnow | 3.25 | 9.1 |
| | 3.50 | 7.8 |
| | 2.75 | 5.6 |
| Brook Trout | 4.25 | 12.8 |
| Mud Minnow | 4 + 1/8" | 15.7 |
| Mud Minnow | 3.5 | 10.1 |
| Mud Minnow | 2.75 | 4.6 |
| Mud Minnow | 2.75 | 4.9 |
| Mud Minn | 2.00 | 2.7 |
| Mud Minn | 2.00 | 1.3 |
| Mud Minn | 2 | 4 |
| B Trout | 4.25 | 11.4 |
| M. M | 4.75 | 21.0 |
| MM | 2 | 1.2 |
| MM | 4 | 15.0 |
| MM | 3.75 | 11.9 |
| MM | 3.5 | 9.7 |
| MM | 4.5 | 20.0 |
| MM | 2.0 | 3.3 |
| MM | 3.25 | 8.0 |

Eel Count 9

**Mud Creek Fisheries Survey** **PAGE #** 2

| | |
|---|---|
| Date/Time: | Sept 27 2005 |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | N Robinson A reach stopped @ mowed lawn edge sweetgale |

| | |
|---|---|
| Substrate Type: ex. mud | mud |
| Canopy coverage: % cover | 0-25% opens up @ mouth of stream |
| Floodplain Description: ex. shrub/tree/mowed edge | shrub some maple trees |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE ~~mm~~ " | WEIGHT |
|---|---|---|
| MM | 2.5 | 5.6 |
| MM | 2.0 | 1.0 |
| MM | 1.75 | 7/10 |
| MM | 3.25 | 7.1 |
| MM | 3.00 | 6.2 |
| MM | 2.00 | 1.7 |
| MM | 2.25 | 3.0 |
| Eel | 21 | 372.8 |
| MM | 2 1/8 | 1.8 |
| MM | 3.5 | 8.9 |
| MM | 2.0 | 1.5 |
| MM | 3.75 | 12.6 |
| MM | 2.25 | 2.2 |
| MM | 2.00 | 1.2 |
| MM | 2.00 | 1.0 |
| MM | 2.00 | 1.2 |
| MM | 2 1/8 | 1.8 |
| MM | 2.75 | 4.7 |
| MM | 2.00 | 1.0 |
| | | |
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| | | |
| | | |
| | | |
| | | |

11:36AM stopped processing

**Mud Creek Fisheries Survey** **PAGE #**

| | |
|---|---|
| Date/Time: | 27-Sep-05 |
| Weather Conditions: | Same |
| Field Crew: | Jeff Nam Chaut Mike Steve B Meg Jon |
| Location (Reach): | Reach B |

| | |
|---|---|
| Substrate Type: ex. mud | mud + sand (50%) |
| Canopy coverage: % cover | 0-25% water starwort 40% ver |
| Floodplain Description: ex. shrub/tree/mowed edge | 1 edge mowed with wood revetment some willow tree other edge dense shrub Viburnum dentatum |

E: 18629714 N 4504275 where processed

11:19 AM

11:42 AM

Processing 11:42

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

some maple

| FISH SPECIES | SIZE ~~mm~~ " | WEIGHT |
|---|---|---|
| Brook Trout | 5 | 18.4 |
| BT | 4.25 | 14.9 |
| BT | 3.75 | 8.0 |
| MM | 4.00 | 13.7 |
| MM | 3.00 | 6.9 |
| MM | 3.25 | 7.5 |
| BT | 4.25 | 12.4 |
| MM | 3.500 | 9.1 |
| MM | 3.75 | 12.7 |
| MM | 1.75 | 1.1 |
| BT | 6.50 | 40.2 |
| BT | 4.50 | 15.4 |
| BT | 3.50 | 8.6 |
| BT | 7.00 | 60.4 |
| MM | 2.75 | 4.0 |
| BT | 4.50 | 14.7 |
| MM | 4.0 | 15.2 |
| MM | 4.5 | 16.7 |
| BT | 7.5 | 76.0 |
| MM | 3.5 | 10.0 |
| MM | 4.0 | 14.2 |
| BT | 7.0 | 50.5 |
| MM | 2.75 | 4.2 |
| MM | 3.00 | 7.2 |
| BT | 4.0 | 11.6 |

44 eel count

**Mud Creek Fisheries Survey** **PAGE #** 4

| | |
|---|---|
| Date/Time: | 27-Sep-05 |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | B |

| | |
|---|---|
| Substrate Type: ex. mud | sandy (50%) mud - dwelle weed |
| Canopy coverage: % cover | 40% veg |
| Floodplain Description: ex. shrub/tree/mowed edge | pressed @ N edge of lawn |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| MM | 3.0 | 5.7 |
| MM | 2.0 | 2.4 |
| MM | 3.0 | 6.3 |
| MM | 3.25 | 7.5 |
| BT | 3.5 | 7.3 |
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**Mud Creek Fisheries Survey** **PAGE #** 5

| | |
|---|---|
| Date/Time: | 27-Sep-05 |
| Weather Conditions: | same |
| Field Crew: | |
| Location (Reach): | Reach C North of Owner → to culvert @ railroad |

| | |
|---|---|
| Substrate Type: ex. mud | mud/sand |
| Canopy coverage: % cover | aquatic < 25% clear water |
| Floodplain Description: ex. shrub/tree/mowed edge | shrub dense red maple |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

11:54 AM
↓
12:17 pm
12:20 PM process @ culvert

12:28 finished processing

| FISH SPECIES | SIZE ~~mm~~ " | WEIGHT g |
|---|---|---|
| BT | 7 | 57.7 |
| BT | 6.75 | 49.3 |
| BT | 6 | 40.4 |
| BT | 7.5 | 69.9 |
| BT | 7.0 | 61.2 |
| BT | 8.5 | 130.9 |
| BT | 7.0 | 70.0 |
| BT | 8.5 | 105.2 |
| BT | 5.75 | 32 |
| BT | 5.00 | 19.2 |
| BT | 3.25 | 4.7 |
| BT | 3.75 | 8.5 |
| BT | 3.25 | 8.7 |
| MM | 4.5 | 21.2 |
| MM | 4.0 | 13.1 |
| MM | 3.25 | 6.3 |
| BT | 4.5 | 16.5 |
| MM | 4.0 | 14.6 |
| MM | 3.25 | 8.5 |
| MM | 4.5 | 19.3 |
| MM | 2.0 | 2.9 |
| BT | 3.75 | 8.2 |
| BT | 3.75 | 9.6 |
| MM | 3.75 | 10.7 |
| MM | 3.50 | 9.4 |

27 eels in C

**Mud Creek Fisheries Survey** **PAGE #**

6

| | |
|---|---|
| Date/Time: | 27-Sep-05 |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | Reach C 1 ann N to culvert @ Rail r |

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | |
| Floodplain Description: ex. shrub/tree/mowed edge | |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE ~~mm~~ 1" | WEIGHT g |
|---|---|---|
| MM | 3.0 | 5.1 |
| BT | 3.5 | 6.5 |
| MM | 3.0 | 6.2 |
| MM | 3.0 | 5.8 |
| BT | 3.5 | 6.6 |
| MM | 3.5 | 8.9 |
| MM | 4.0 | 12.5 |
| BT | 4.5 | 12.8 |
| MM | 2.25 | 1.6 |
| | | |
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**Mud Creek Fisheries Survey** **PAGE #** 7

| | |
|---|---|
| Date/Time: | 27 Sep 05 |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | D culvert N to Road |

| | |
|---|---|
| Substrate Type: ex. mud | sand 60% mud 40% |
| Canopy coverage: % cover | 50% tree cover clear <10% aquatic |
| Floodplain Description: ex. shrub/tree/mowed edge | maple tree |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE ~~mm~~ " | WEIGHT g |
|---|---|---|
| BT | 4.0 | 12.7 |
| BT | 3.0 | 5.7 |
| MM | 3.5 | 4.7 |
| MM | 4.0 | 12.7 |

12:39 pm finish processing

5 eels

AFT

**Mud Creek Fisheries Survey** **PAGE #** 8

| | |
|---|---|
| Date/Time: | Sept 27 2005 |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | Highway N of culvert West side WB-1 |

| | |
|---|---|
| Substrate Type: ex. mud | mud 70% @ woody debris |
| Canopy coverage: % cover | 75% maple muddy clearing |
| Floodplain Description: ex. shrub/tree/mowed edge | dense shrub [illegible] |

1:49 PM Start @ culvert North

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE ~~mm~~ " | WEIGHT g |
|---|---|---|
| MM | 2.75 | 4.0 |
| BT | 3.5 | 6.9 |
| MM | 3.0 | 3.0 |
| MM | 3.0 | 4.8 |
| MM | 2.75 | 3.4 |
| MM | 2.5 | 2.7 |
| MM | 2.25 | 2.5 |
| BT | 7.5 | 62.9 |
| BT | 4.5 | 12.2 |
| BT | 3.0 | 4.8 |
| MM | 4.5 | 16.4 |
| MM | 3.5 | 4.8 |
| BT | 3.5 | 6.6 |
| BT | 4.25 | 7.4 |
| MM | 3.0 | 6.0 |
| MM | 3.5 | 9.0 |
| MM | 2.5 | 2.9 |
| MM | 4.0 | 10.2 |
| MM | 2.25 | 2.3 |
| MM | 2.50 | 3.0 |
| MM | 4.00 | 12.4 |
| MM | 2.50 | 3.5 |
| MM | 3.00 | 4.5 |
| MM | 2.5 | 3.5 |
| MM | 2.5 | 3.2 |

Steve Desimone

**Mud Creek Fisheries Survey** **PAGE #**

| | |
|---|---|
| Date/Time: | 27-Sep-05 |
| Weather Conditions: | dappled sun through trees |
| Field Crew: | |
| Location (Reach): | Highway North of culvert WB1 |

| | |
|---|---|
| Substrate Type: ex. mud | mud |
| Canopy coverage: % cover | 75% + |
| Floodplain Description: ex. shrub/tree/mowed edge | shrub, tree canopy thick |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| MM | 2.75 | 3.6 |
| MM | 3.00 | 4.8 |
| MM | 3.50 | 4.8 |
| BT | 8 | 91.7 |
| MM | 2.5 | 3.7 |
| MM | 2.5 | 3.3 |
| MM | 2.25 | 2.7 |
| MM | 2.5 | 3.1 |
| MM | 2.5 | 2.5 |
| MM | 3.0 | 6.1 |
| MM | 3.0 | 4.3 |
| MM | 3.5 | 7.0 |
| MM | 2.75 | 2.9 |
| MM | 4.0 | 15.7 |
| MM | 2.75 | 4.4 |
| MM | 3.5 | 7.8 |
| MM | 3.75 | 5.2 |
| MM | 3.25 | 6.0 |
| MM | 2.5 | 4.6 |
| MM | 2.75 | 4.5 |
| MM | 2.5 | 3.6 |
| MM | 2.5 | 3.7 |
| MM | 2.25 | 1.8 |
| MM | 1.5 | 0/10 |
| MM | 3.5 | 7.5 |

photo grp

**Mud Creek Fisheries Survey** **PAGE #**

| | |
|---|---|
| Date/Time: | Sept 27 2005 |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | Riley North WB1 |

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | |
| Floodplain Description: ex. shrub/tree/mowed edge | Jewelweed |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| MM | 3.0 | 4.6 |
| MM | 3.75 | 11.8 |
| MM | 2.75 | 3.5 |
| MM | 3.0 | 5.5 |
| MM | 2.75 | 4.0 |
| MM | 2.25 | 2.0 |
| MM | 2.75 | 4.1 |
| MM | 2.5 | 2.9 |
| MM | 3.25 | 6.4 |
| MM | 3.5 | 8.4 |
| BT | 3+ 1/8" | 4.6 |
| MM | 3.0 | 3.9 |
| MM | 3.75 | 10.3 |
| BT | 3.5 | 6.4 |
| BT | 4.0 | 8.7 |
| BT | 4.25 | 10.3 |
| MM | 2.5 | 7.4 |
| MM | 1.75 | 1.2 |
| MM | 1.5 | 0.5 |
| BT | 4.25 | 11.3 |
| MM | 2.75 | 4.0 |
| MM | 2.25 | 2.6 |
| MM | 3.75 | 9.1 |
| MM | 3.5 | 8.1 |
| MM | 4.75 | 21.2 |

**Mud Creek Fisheries Survey** **PAGE #** 11

| | |
|---|---|
| Date/Time: | 27-Sep 05 |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | WB-1 |

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | |
| Floodplain Description: ex. shrub/tree/mowed edge | |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| MM | 3.25 | 5.8 |
| MM | 3.0 | 4.3 |
| MM | 3.0 | 4.3 |
| MM | 2.5 | 4.3 |
| MM | 3.75 | 10.1 |
| MM | 3.25 | 6.8 |
| MM | 2.5 | 6.2 |
| MM | 1.75 | 0.6 |
| MM | 2.5 | 3.7 |
| MM | 3.75 | 3.1 |
| MM | 3.5 | 8.0 |
| MM | 4.0 | 13.3 |
| MM | 3.5 | 7.8 |
| MM | 2.5 | 3.2 |
| MM | 2.75 | 4.7 |
| MM | 2.5 | 3.2 |
| MM | 3.25 | 6.0 |
| BT | 4.0 | 11.1 |
| MM | 3.0 | 4.8 |
| MM | 3.25 | 6.6 |
| MM | 3.25 | 6.8 |
| MM | 2.75 | 4.0 |
| MM | 2.5 | 2.4 |
| MM | 2.5 | 2.7 |
| MM | 3.0 | 4.9 |

**Mud Creek Fisheries Survey** **PAGE #** 12

| | |
|---|---|
| Date/Time: | 27-Sep. 05 |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | WB-1 |

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | |
| Floodplain Description: ex. shrub/tree/mowed edge | |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| MM | 2.75 | 3.4 |
| MM | 2.25 | 2.1 |
| MM | 3.5 | 8.2 |
| MM | 2.25 | 3.2 |
| MM | 2.75 | 5.4 |
| MM | 4.0 | 11.9 |
| MM | 3.75 | 11.6 |
| MM | 3.75 | 4.7 |
| MM | 3.75 | 6.9 |
| MM | 2.75 | 4.3 |
| MM | 2.75 | 3.5 |
| MM | 2.5 | 2.6 |
| MM | 2.0 | 0.7 |
| MM | 2.75 | 3.8 |
| MM | 1.5 | 0.5 |
| MM | 2.75 | 2.7 |
| MM | 3.5 | 8.2 |
| MM | 3.5 | 8.0 |
| MM | 2.5 | 2.5 |
| MM | 2.75 | 4.7 |
| MM | 1.5 | 0.9 |
| MM | 8.5 | 5.1 |
| BT | 3.0 | 5.0 |
| MM | 3.25 | 6.0 |
| MM | 3.0 | 4.6 |

**Mud Creek Fisheries Survey** **PAGE #**

| | |
|---|---|
| Date/Time: | |
| Weather Conditions: | |
| Field Crew: | WB-1 |
| Location (Reach): | |

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | |
| Floodplain Description: ex. shrub/tree/mowed edge | |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| MM | 3.0 | 5.0 |
| MM | 3.75 | 10.5 |
| MM | 3.75 | 4.3 |
| MM | 2.75 | 3.0 |
| MM | 3.25 | 6.7 |
| MM | 2.5 | 2.8 |
| MM | 2.75 | 4.5 |
| MM | 3.0 | 4.1 |
| MM | 4.5 | 16.0 |
| MM | 3.25 | 7.0 |
| MM | 2.25 | 2.5 |
| MM | 2.5 | 3.1 |
| MM | 2.5 | 3.2 |
| MM | 3.75 | 9.1 |
| MM | 3.75 | 9.7 |
| MM | 2.25 | 2.8 |
| MM | 3.75 | 4.6 |
| MM | 3.25 | 7.2 |
| MM | 2.25 | 2.2 |
| MM | 2.75 | 3.5 |
| MM | 2.50 | 3.9 |
| MM | 2.25 | 5.8 |
| MM | 2.75 | 3.4 |
| MM | 3.5 | 7.0 |
| MM | 2.75 | 3.5 |

**Mud Creek Fisheries Survey** **PAGE #**

| | |
|---|---|
| Date/Time: | |
| Weather Conditions: | [illegible] |
| Field Crew: | W B-1 |
| Location (Reach): | |

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | |
| Floodplain Description: ex. shrub/tree/mowed edge | |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

| FISH SPECIES | SIZE mm | WEIGHT |
|---|---|---|
| mm | 3.5 | 7.0 |
| mm | 4.0 | 18.7 |
| mm | 2.75 | 4.6 |
| | | |
| | | |
| Count | 46 Mud minnow | 206 g |
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**Mud Creek Fisheries Survey** **PAGE #** 15

| | |
|---|---|
| Date/Time: | |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | WB-1 |

| | |
|---|---|
| Substrate Type: ex. mud | mud |
| Canopy coverage: % cover | 60-80% emergent [illegible] |
| Floodplain Description: ex. shrub/tree/mowed edge | braided stream channel [illegible] 80% |

3:10 PM WB-1 end

(E) 18 629 714 (N) 450 4275 water stunned muck [illegible]

| | | | |
|---|---|---|---|
| Dissolved Oxygen | | Spec. Conductivity | |
| % DO Saturation | | | |
| Turbidity | | | |
| pH | | Velocity | |
| Temp. | | | |

38' elevation

3:27 end processing

| FISH SPECIES | SIZE ~~mm~~ " | WEIGHT |
|---|---|---|
| BT | 10 | 155.2 |
| BT | 9 | 115.6 |
| BT | 7.5 | 65.8 |
| BT | 9 | 118.9 |
| BT | 7.75 | 75.9 |
| BT | 6.75 | 51.9 |
| BT | 5.75 | 29.9 |
| BT | 5.25 | 26.6 |
| BT | 4.5 | 14.9 |
| BT | 4.0 | 8.9 |
| BT | 4.25 | 18.8 |
| BT | 3.25 | 4.8 |
| BT | 7.0 | 51.8 |
| BT | 3.5 | 6.4 |
| BT | 3.5 | 7.0 |
| BT | 4.0 | 10.6 |
| BT | 3.75 | 7.9 |
| BT | 3.25 | 6.2 |
| BT | 3.00 | 4.8 |
| BT | 3.75 | 7.1 |
| BT | 4.0 | 7.9 |
| BT | 3.5 | 6.8 |
| BT | 6.0 | 37.8 |
| BT | 3.6 | 3.6 |
| | | |

COUNT

+50 MM
+92 MM

53 eel

**Mud Creek Fisheries Survey** **PAGE #**

| | |
|---|---|
| Date/Time: | Sept 30 10:03 |
| Weather Conditions: | Sunny |
| Field Crew: | Mike + Megan |
| Location (Reach): | Lat Long |
| Reach Coordinates: | 40.83683°N 072.49553°W @ Culvert N of Highway |
| | -60-12-109E 079-88-317N |

| | |
|---|---|
| Substrate Type: ex. mud | Mud / Sand |
| Canopy coverage: % cover | 75% - 100% |
| Aquatic Vegetation: % cover | Polygonum Starwort <0.25% |
| Floodplain Description: ex. shrub/tree/mowed edge | roadway coverage Riem. Remnant unconsolidated bottom |
| % Pools & % Riffles & % Runs | 100 |
| Large Woody Debris | 10% |
| Channel Flow Status | high |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | 6.57 | Velocity | Avg (0.5) 0.8h Max 0.8 |
| % DO Saturation | 71.4 | Depth of Stream | 6 " |
| Turbidity | 4.8 | Width of Stream | 151 |
| pH | 6.45 | Depth of Stream | |
| Temp. | 11.57 | Width of Stream | |
| Spec. Conductivity | 0.241 | Depth of Stream | |
| Depth of Sample | | Width of Stream | |
| Sal | 0.11 | ORP | 340 |

| VEGETATION | % cover |
|---|---|
| Red maple | 25 |
| Black gum | 10 |
| Sunset Pepperbush | 25 |
| Smilax rotundifolia | 5 |
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# Mud Creek Fisheries Survey

PAGE # 2

| | |
|---|---|
| Date/Time: | Sept ~~28~~ 30 2005 10:36 AM |
| Weather Conditions: | Sun Blue Sky |
| Field Crew: | Mike + Meg |
| Location (Reach): | WB-2 |
| Reach Coordinates: | ~~47.5~~ 40.83683°N 072.49553°W |
| | 60-12-109E 079-88-317N |

| | |
|---|---|
| Substrate Type: ex. mud | Unconsolidated bottom |
| Canopy coverage: % cover | 75% |
| Aquatic Vegetation: % cover | Lemna + Starwort 50%-75% |
| Floodplain Description: ex. shrub/tree/mowed edge | 75% |
| % Pools & % Riffles & % Runs | 100% |
| Large Woody Debris | 15% |
| Channel Flow Status | med defined thalway sun coming thru |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | 7.614 | Velocity | 0.0 |
| % DO Saturation | 70.9 | Depth of Stream | 0.47 Max 0.5 |
| Turbidity | 3.3 | Width of Stream | 12" |
| pH | 6.42 | Depth of Stream | 25' |
| Temp. | 11.85 | Width of Stream | |
| Spec. Conductivity | 0.24 | Depth of Stream | |
| Depth of Sample | | Width of Stream | |
| Salinity | 0.11 | ORP | 349 |

| VEGETATION | % cover |
|---|---|
| Elderberry | |
| Sweet Pepperbush } shrub | |
| Smilax | |
| Green | |
| Tupelo } tree | |
| Maple | |
| Jewelweed | |
| Smartweed | |
| Mass Fern | |
| Bidens trepartita Beggars Tick | |
| Sensitive Fern | |
| Sphagnum | |
| Cinnamon Fern | |

**Mud Creek Fisheries Survey** **PAGE #** 3

| | |
|---|---|
| Date/Time: | Sept 30 11 AM |
| Weather Conditions: | |
| Field Crew: | |
| Location (Reach): | WB-3 |
| Reach Coordinates: | 40.76886°N ~~0.72~~ 072.98027 W |
| | -60-57-531 E 080-44-433 N |

| | |
|---|---|
| Substrate Type: ex. mud | Mud Unconsolidated sediment |
| Canopy coverage: % cover | main channel open sun 0-25% side channel 75% |
| Aquatic Vegetation: % cover | Smart weed in main channel 100% shallow 0-[illegible] |
| Floodplain Description: ex. shrub/tree/mowed edge | Side channel smartweed + lemna 75% + |
| % Pools & % Riffles & % Runs | side channel shallow Oneally |
| Large Woody Debris | 0-15% |
| Channel Flow Status | med |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | ~~8.34~~ 7.45 | Velocity | 0.47 0.5 |
| % DO Saturation | 76 | Depth of Stream | 0-5" |
| Turbidity | 102 | Width of Stream | 40' |
| pH | 6.66 | Depth of Stream | |
| Temp. | 12.25 | Width of Stream | |
| Spec. Conductivity | 0.329 | Depth of Stream | |
| Depth of Sample | | Width of Stream | |
| Salinity | 0.15 | CRP | 351 |

| VEGETATION | % cover |
|---|---|
| Sweet Pepperbush | |
| Red Chokeberry | |
| Rhod. viscosum | |
| Fetterbush | |
| Kalmia angustifolia | |
| Vaccinium corymbosum | |
| | |
| | |
| Red Maple | |
| Pitch Pine | |
| Tupelo | |
| | |
| Beggar Tick | |
| Oil | |
| Cinnamon Fern | |
| Sphagnum | |
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**Mud Creek Fisheries Survey** **PAGE #** 4

| | |
|---|---|
| Date/Time: | 30-Sep-05 11:49 AM |
| Weather Conditions: | |
| Field Crew: | EB-1 40.76776N 072.97948 ~~40.76883°N~~ ~~072.98032°W~~ -60-57.650E ~~080~~-44-284 ~~-60-57-531E~~ ~~080-44-457N~~ |
| Location (Reach): | |
| Reach Coordinates: | E of land bridge / culvert pipe near car roadside South slope denuded |

| | |
|---|---|
| Substrate Type: ex. mud | |
| Canopy coverage: % cover | sand + gravel no aquatic veg |
| Aquatic Vegetation: % cover | 75% - 100% canopy |
| Floodplain Description: ex. shrub/tree/mowed edge | SV |
| % Pools & % Riffles & % Runs | 0-25% riffle 0-25% run |
| Large Woody Debris | 50% ⊕ |
| Channel Flow Status | low |

| | | | |
|---|---|---|---|
| Dissolved Oxygen | ~~9.03~~ 8.44 | Velocity | 0.59 |
| % DO Saturation | ~~115 96~~ 85 | Depth of Stream | 4" avg |
| Turbidity | 13 | Width of Stream | 5' |
| pH | 6.55 | Depth of Stream | |
| Temp. | 12.8 | Width of Stream | |
| Spec. Conductivity | 0.232 | Depth of Stream | |
| Depth of Sample | | Width of Stream | |
| sal. | 0.11 | ORP | 336 |

| VEGETATION | % cover |
|---|---|
| Sweet pepperbs | |
| porcelain berry | |
| | |
| | |
| | |
| red, mg h | |
| pitch pine | |
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