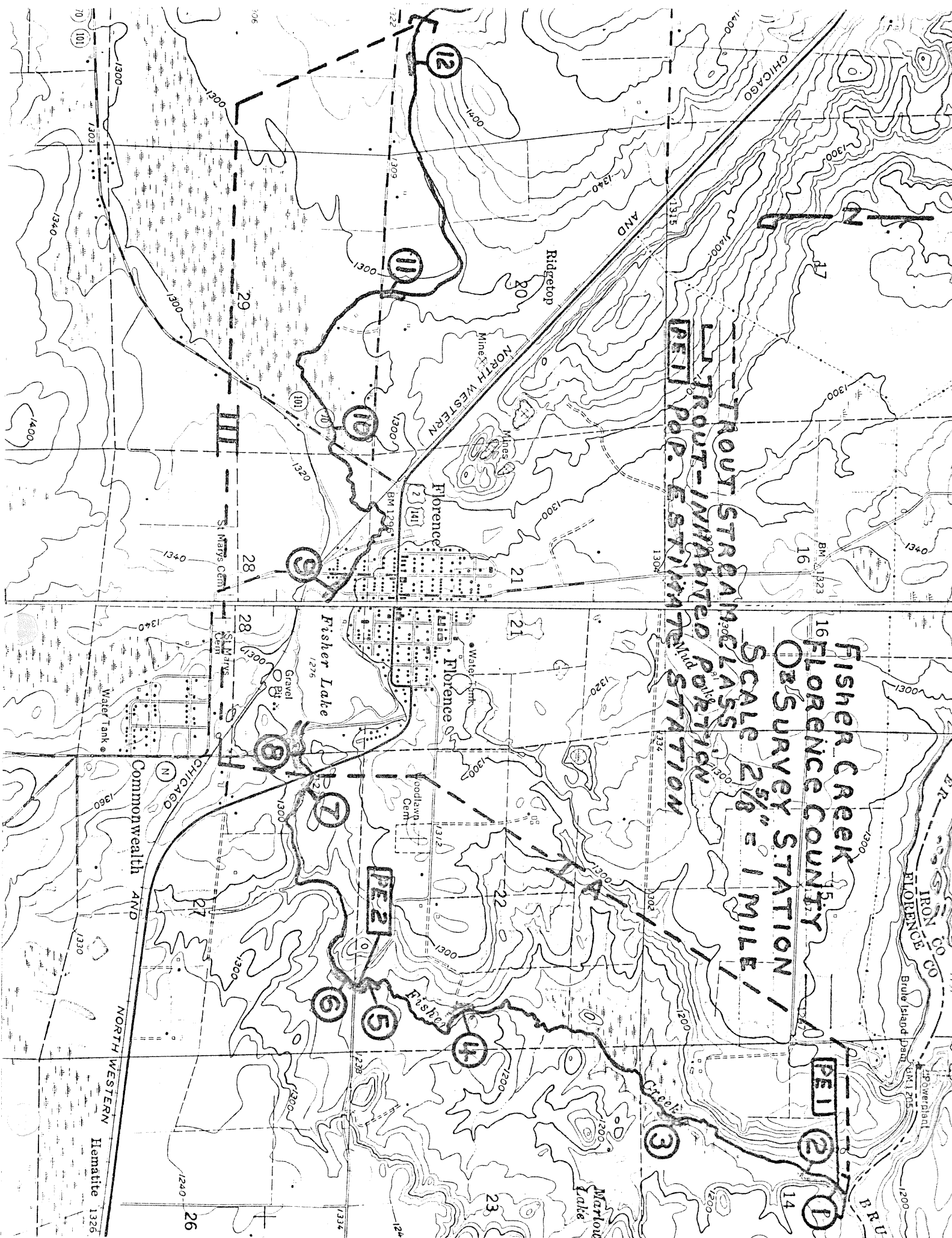




# STREAM SURVEY STATION REPORT

FI-242

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

|                                                                                                                                                                                                                    |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        |                              |                                                                            |                                   |                 |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------|-----------------------------------|-----------------|----------|
| NAME OF STREAM<br>Fisher Creek                                                                                                                                                                                     |                            |                                        | Survey Station<br>No. ....3.....                                                                                          |                                                                                | POINT OF EXAMINATION<br>Below farm in the 12 <sup>th</sup> 40 of section 14. SE $\frac{1}{4}$ - SW                                                     |                              |                                                                            |                                   |                 |          |
| COUNTY<br>Florence                                                                                                                                                                                                 |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        |                              |                                                                            |                                   |                 |          |
| Township<br>4ON                                                                                                                                                                                                    | Range<br>18E               | Section<br>14 - 12                     | Distance Sampled<br>(ft.) 250                                                                                             | GEAR USED<br>125 V - D.C. (Powermaker generator) One electrode - 100 foot cord |                                                                                                                                                        |                              |                                                                            |                                   |                 |          |
| Avg. Width<br>(ft.)<br>14.0                                                                                                                                                                                        | Avg. Depth<br>(ft.)<br>1.0 | Vol. of Flow<br>(c.f.s.)<br>6.0 (est.) | VELOCITY<br><input type="checkbox"/> Sluggish <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Rapid |                                                                                |                                                                                                                                                        |                              |                                                                            | Max. Flood Crest<br>(ft.)<br>1.5' |                 |          |
| WATER<br><input checked="" type="checkbox"/> Clear <input type="checkbox"/> Stained <input type="checkbox"/> Dirty                                                                                                 |                            |                                        | CONDUCTANCE<br>C <sub>f</sub> 295 C <sub>77</sub> 295                                                                     |                                                                                | TEMPERATURE<br>C <sub>295</sub> T 77° K 1.00<br>160°F Water 76°F Air 12:00 Noon                                                                        |                              |                                                                            | pH<br>7.6<br>Cl 8.0ppm            | M.P.A.<br>105   |          |
| WATER LEVEL CONDITIONS<br>.....In. Below <input checked="" type="checkbox"/> Normal .....In. Above                                                                                                                 |                            |                                        | PRIOR WEATHER CONDITIONS                                                                                                  |                                                                                |                                                                                                                                                        |                              |                                                                            |                                   |                 |          |
| POLLUTION<br>None observed.                                                                                                                                                                                        |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        |                              |                                                                            |                                   |                 |          |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan .....5.....Boulder .....5.....Rubble .....20.....Gravel<br>.....50.....Sand .....10.....Silt .....Marl .....10.....Detritus                                   |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        |                              | POOL GRADE<br>B Common<br>POOL-RIFFLE RATIO<br>30% pool-ripple combination |                                   |                 |          |
| AQUATIC VEGETATION (Species)                                                                                                                                                                                       |                            | Abund.                                 | AQUATIC VEGETATION (Species)                                                                                              |                                                                                | Abund.                                                                                                                                                 | AQUATIC VEGETATION (Species) |                                                                            | Abund.                            |                 |          |
| Bottom free of vegetation                                                                                                                                                                                          |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        |                              |                                                                            |                                   |                 |          |
|                                                                                                                                                                                                                    |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        |                              |                                                                            |                                   |                 |          |
| STREAM COVER                                                                                                                                                                                                       |                            | Scarce                                 | Common                                                                                                                    | Abundant                                                                       | Stable                                                                                                                                                 | Unstable                     | AQUATIC LIFE                                                               | Scarce                            | Common          | Abundant |
| Undercut banks                                                                                                                                                                                                     |                            |                                        | x                                                                                                                         |                                                                                | x                                                                                                                                                      |                              | Stonefly                                                                   | x                                 |                 |          |
| Rocks, boulders                                                                                                                                                                                                    |                            |                                        | x                                                                                                                         |                                                                                | x                                                                                                                                                      |                              | Mayfly                                                                     | x                                 |                 |          |
| Logs, trees                                                                                                                                                                                                        |                            | x                                      |                                                                                                                           |                                                                                | x                                                                                                                                                      |                              | Caddisfly                                                                  | x                                 |                 |          |
| Debris                                                                                                                                                                                                             |                            | x                                      |                                                                                                                           |                                                                                |                                                                                                                                                        | x                            | Shrimp                                                                     |                                   |                 |          |
| Aquatic Vegetation                                                                                                                                                                                                 |                            | 0                                      |                                                                                                                           |                                                                                |                                                                                                                                                        |                              | Crayfish                                                                   |                                   |                 |          |
| STREAM BANK VEGETATION                                                                                                                                                                                             |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        |                              |                                                                            |                                   |                 |          |
| .....% Cultivated                                                                                                                                                                                                  |                            |                                        | .....% Upland Hardwood                                                                                                    |                                                                                |                                                                                                                                                        | Tamarack                     |                                                                            |                                   |                 |          |
| .....% Firm Pasture                                                                                                                                                                                                |                            |                                        | .....% Upland Conifer                                                                                                     |                                                                                |                                                                                                                                                        | 50% B. Spruce                |                                                                            |                                   |                 |          |
| .....% Meadow Pasture                                                                                                                                                                                              |                            |                                        | .....% Swamp Hardwood                                                                                                     |                                                                                |                                                                                                                                                        | 50% Swamp Conifer            |                                                                            |                                   |                 |          |
|                                                                                                                                                                                                                    |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        | Tag. Alder                   |                                                                            |                                   |                 |          |
|                                                                                                                                                                                                                    |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        | 50% Willow                   |                                                                            |                                   |                 |          |
|                                                                                                                                                                                                                    |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        | .....% Shrub Marsh           |                                                                            |                                   |                 |          |
|                                                                                                                                                                                                                    |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        | .....% Open Marsh            |                                                                            |                                   |                 |          |
| STREAM COVER<br><input type="checkbox"/> Dense <input checked="" type="checkbox"/> Partly Open <input type="checkbox"/> Open                                                                                       |                            |                                        |                                                                                                                           |                                                                                | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor |                              |                                                                            |                                   |                 |          |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Light <input type="checkbox"/> None                                                             |                            |                                        |                                                                                                                           |                                                                                | DAMS<br>Man-made                                                                                                                                       |                              | Number                                                                     | Height                            | Pool Area Above |          |
| BANK HEIGHTS<br>2 - 4 Feet                                                                                                                                                                                         |                            |                                        |                                                                                                                           |                                                                                | Beaver (active)                                                                                                                                        |                              | 0                                                                          |                                   |                 |          |
|                                                                                                                                                                                                                    |                            |                                        |                                                                                                                           |                                                                                | Beaver (inactive)                                                                                                                                      |                              | 0                                                                          |                                   |                 |          |
| REMARKS<br>Stream flows through a conifer swamp. Mostly firm sand bottom with good cover and all pools. Excellent looking water. Light fishing pressure. All trout captured looked good and appeared to be native. |                            |                                        |                                                                                                                           |                                                                                |                                                                                                                                                        |                              |                                                                            |                                   |                 |          |

(use back of sheet for additional remarks)

DATE OF SURVEY

July 22, 1970

INVESTIGATOR

Randy Steuck

STATION FISH SAMPLING SUMMARY

|                        |                |                     |                   |                              |                     |                       |
|------------------------|----------------|---------------------|-------------------|------------------------------|---------------------|-----------------------|
| STREAM<br>Fisher Creek |                | 14-12<br>below farm |                   | INVESTIGATOR<br>Randy Steuck |                     |                       |
| Area<br>Sampled:       | LENGTH<br>250' | WIDTH<br>14.0'      | AREA<br>.08 acres | STATION NO.<br>3             | NO. PER ACRE<br>212 | DATE<br>July 22, 1970 |

| SIZE RANGE              | SPECIES     |         |           |  |  |  |
|-------------------------|-------------|---------|-----------|--|--|--|
|                         | Brook trout | Sculpin | Mudminnow |  |  |  |
| 1                       |             |         |           |  |  |  |
| 1.0 - 1.4               |             |         |           |  |  |  |
| 1.5 - 1.9               |             |         |           |  |  |  |
| 2.0 - 2.4               |             | 1       |           |  |  |  |
| 2.5 - 2.9               |             | 2       | 1         |  |  |  |
| 3.0 - 3.4               | 1           |         |           |  |  |  |
| 3.5 - 3.9               |             |         |           |  |  |  |
| 4.0 - 4.4               | 1           | 1       |           |  |  |  |
| 4.5 - 4.9               | 1           |         |           |  |  |  |
| 5.0 - 5.4               | 3           |         |           |  |  |  |
| 5.5 - 5.9               | 3           |         |           |  |  |  |
| 6.0 - 6.4               | 6           |         |           |  |  |  |
| 6.5 - 6.9               | 2           |         |           |  |  |  |
| 7.0 - 7.4               |             |         |           |  |  |  |
| 7.5 - 7.9               |             |         |           |  |  |  |
| 8.0 - 8.4               |             |         |           |  |  |  |
| 8.5 - 8.9               |             |         |           |  |  |  |
| 9.0 - 9.4               |             |         |           |  |  |  |
| 9.5 - 9.9               |             |         |           |  |  |  |
| 10.0 - 10.4             |             |         |           |  |  |  |
| 10.5 - 10.9             |             |         |           |  |  |  |
| 11.0 - 11.4             |             |         |           |  |  |  |
| 11.5 - 11.9             |             |         |           |  |  |  |
| 12.0 - 12.4             |             |         |           |  |  |  |
| 12.5 - 12.9             |             |         |           |  |  |  |
| 13.0 - 13.4             |             |         |           |  |  |  |
| 13.5 - 13.9             |             |         |           |  |  |  |
| 14.0 - 14.4             |             |         |           |  |  |  |
| 14.5 - 14.9             |             |         |           |  |  |  |
| 15.0 - 15.4             |             |         |           |  |  |  |
| 15.5 - 15.9             |             |         |           |  |  |  |
| 16.0 - 16.4             |             |         |           |  |  |  |
| 16.5 - 16.9             |             |         |           |  |  |  |
| 17.0 - 17.4             |             |         |           |  |  |  |
| 17.5 - 17.9             |             |         |           |  |  |  |
| 18.0 - 18.4             |             |         |           |  |  |  |
| 18.5 - 18.9             |             |         |           |  |  |  |
| 19.0 - 19.4             |             |         |           |  |  |  |
| 19.5 - 19.9             |             |         |           |  |  |  |
| 20.0 - 20.4             |             |         |           |  |  |  |
| 20.5 - 20.9             |             |         |           |  |  |  |
| 21.0 - 21.4             |             |         |           |  |  |  |
| 21.5 - 21.9             |             |         |           |  |  |  |
| 22.0 - 22.4             |             |         |           |  |  |  |
| 22.5 - 22.9             |             |         |           |  |  |  |
| 23.0 - 23.4             |             |         |           |  |  |  |
| 23.5 - 23.9             |             |         |           |  |  |  |
| 24.0 - 24.4             |             |         |           |  |  |  |
| 24.5 - 24.9             |             |         |           |  |  |  |
| 25 + (give actual size) |             |         |           |  |  |  |
| TOTAL                   | 17          | 4       | 1         |  |  |  |

# STREAM SURVEY STATION REPORT

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

FI-242

|                                                                                                                                                                                                  |              |                             |                                                                                                                                         |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|----------------------------------|----------|
| NAME OF STREAM<br>Fisher Creek                                                                                                                                                                   |              |                             | Survey Station<br>No. 4                                                                                                                 |                                        | POINT OF EXAMINATION<br>Drove into log cabin and walked<br>down hill to stream in the 13 <sup>th</sup> 40 of Sec. 22<br>NE $\frac{1}{4}$ - SE $\frac{1}{4}$ |                                                                                                                           |                                                                                     |           |                                  |          |
| COUNTY<br>Florence                                                                                                                                                                               |              |                             |                                                                                                                                         |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| Township<br>40N                                                                                                                                                                                  | Range<br>18E | Section<br>22-13            | Distance Sampled<br>(ft.) 225                                                                                                           |                                        | GEAR USED<br>200 V D.C. one electrode - 100 foot cord                                                                                                       |                                                                                                                           |                                                                                     |           |                                  |          |
| Avg. Width<br>(ft.)<br>13.0'                                                                                                                                                                     |              | Avg. Depth<br>(ft.)<br>0.7' |                                                                                                                                         | Vol. of Flow<br>(c.f.s.)<br>3.0 (est.) |                                                                                                                                                             | VELOCITY<br><input type="checkbox"/> Sluggish <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Rapid |                                                                                     |           | Max. Flood Crest<br>(ft.)<br>1.0 |          |
| WATER<br><input checked="" type="checkbox"/> Clear <input type="checkbox"/> Stained <input type="checkbox"/> Dirty                                                                               |              |                             | CONDUCTANCE<br>C <sub>f</sub> 270 C <sub>77</sub>                                                                                       |                                        | TEMPERATURE<br>C <sub>f</sub> 270 T <sub>f</sub> 77° K 1.00<br>61° F Water 64° Air 9:30 A.M. Time                                                           |                                                                                                                           |                                                                                     | pH<br>7.5 | M.P.A.<br>Cl 10.0 ppm 82 ppm     |          |
| WATER LEVEL CONDITIONS<br>.....In. Below <input checked="" type="checkbox"/> Normal .....In. Above                                                                                               |              |                             | PRIOR WEATHER CONDITIONS<br>No rain past four days - sunny & cool                                                                       |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| POLLUTION<br>None observed                                                                                                                                                                       |              |                             |                                                                                                                                         |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan .....20 Boulder .....20 Rubble .....20 Gravel<br>.....20 Sand .....10 Silt .....Marl .....10 Detritus                                       |              |                             |                                                                                                                                         |                                        |                                                                                                                                                             |                                                                                                                           | POOL GRADE<br>B common C Common<br>POOL-RIFFLE RATIO<br>70% pool riffle combination |           |                                  |          |
| AQUATIC VEGETATION (Species)                                                                                                                                                                     |              | Abund.                      | AQUATIC VEGETATION (Species)                                                                                                            |                                        | Abund.                                                                                                                                                      | AQUATIC VEGETATION (Species)                                                                                              |                                                                                     | Abund.    |                                  |          |
| No vegetation in stream bed                                                                                                                                                                      |              |                             |                                                                                                                                         |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| STREAM COVER                                                                                                                                                                                     |              | Scarce                      | Common                                                                                                                                  | Abundant                               | Stable                                                                                                                                                      | Unstable                                                                                                                  | AQUATIC LIFE                                                                        | Scarce    | Common                           | Abundant |
| Undercut banks                                                                                                                                                                                   |              | x                           |                                                                                                                                         |                                        | x                                                                                                                                                           |                                                                                                                           | Stonefly                                                                            |           |                                  |          |
| Rocks, boulders                                                                                                                                                                                  |              |                             |                                                                                                                                         | x                                      | x                                                                                                                                                           |                                                                                                                           | Mayfly                                                                              |           |                                  |          |
| Logs, trees                                                                                                                                                                                      |              | x                           |                                                                                                                                         |                                        | x                                                                                                                                                           |                                                                                                                           | Caddisfly                                                                           |           | x                                |          |
| Debris                                                                                                                                                                                           |              | x                           |                                                                                                                                         |                                        |                                                                                                                                                             | x                                                                                                                         | Shrimp                                                                              |           |                                  |          |
| Aquatic Vegetation                                                                                                                                                                               |              | 0                           |                                                                                                                                         |                                        |                                                                                                                                                             |                                                                                                                           | Crayfish                                                                            | x         |                                  |          |
| STREAM BANK VEGETATION                                                                                                                                                                           |              |                             |                                                                                                                                         |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| .....% Cultivated                                                                                                                                                                                |              |                             | 90 Aspen - Birch                                                                                                                        |                                        |                                                                                                                                                             | .....% Swamp Conifer                                                                                                      |                                                                                     |           |                                  |          |
| .....% Firm Pasture                                                                                                                                                                              |              |                             | 10 Elm - Alder                                                                                                                          |                                        |                                                                                                                                                             | .....% Shrub Marsh                                                                                                        |                                                                                     |           |                                  |          |
| .....% Meadow Pasture                                                                                                                                                                            |              |                             | .....% Upland Hardwood                                                                                                                  |                                        |                                                                                                                                                             | .....% Open Marsh                                                                                                         |                                                                                     |           |                                  |          |
| .....% Meadow Pasture                                                                                                                                                                            |              |                             | .....% Upland Conifer                                                                                                                   |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| .....% Meadow Pasture                                                                                                                                                                            |              |                             | .....% Swamp Hardwood                                                                                                                   |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| STREAM COVER                                                                                                                                                                                     |              |                             | FISHABILITY                                                                                                                             |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| <input type="checkbox"/> Dense <input checked="" type="checkbox"/> Partly Open <input type="checkbox"/> Open                                                                                     |              |                             | <input type="checkbox"/> Excellent <input checked="" type="checkbox"/> Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| BANK EROSION                                                                                                                                                                                     |              |                             | DAMS                                                                                                                                    |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| <input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Light <input type="checkbox"/> None                                                           |              |                             | Man-made                                                                                                                                |                                        |                                                                                                                                                             | Number 0 Height Pool Area Above                                                                                           |                                                                                     |           |                                  |          |
| BANK HEIGHTS                                                                                                                                                                                     |              |                             | Beaver (active)                                                                                                                         |                                        |                                                                                                                                                             | 0                                                                                                                         |                                                                                     |           |                                  |          |
| 1' - 4'                                                                                                                                                                                          |              |                             | Beaver (inactive)                                                                                                                       |                                        |                                                                                                                                                             | 0                                                                                                                         |                                                                                     |           |                                  |          |
| REMARKS<br>Attractive looking stream - good riffle - pool combinations. All trout in excellent condition. Stream well shaded and bottom types of boulders and rock. No sign of fishing pressure. |              |                             |                                                                                                                                         |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| (use back of sheet for additional remarks)                                                                                                                                                       |              |                             |                                                                                                                                         |                                        |                                                                                                                                                             |                                                                                                                           |                                                                                     |           |                                  |          |
| DATE OF SURVEY<br>July 22, 1970                                                                                                                                                                  |              |                             |                                                                                                                                         |                                        | INVESTIGATOR<br>Randy Steuck                                                                                                                                |                                                                                                                           |                                                                                     |           |                                  |          |

# STATION FISH SAMPLING SUMMARY

| STREAM                  |             |            |            | INVESTIGATOR |              |               |
|-------------------------|-------------|------------|------------|--------------|--------------|---------------|
| Fisher Creek            |             |            |            | Randy Steuck |              |               |
| Area Sampled:           | LENGTH      | WIDTH      | AREA       | STATION NO.  | NO. PER ACRE | DATE          |
|                         | 225'        | 13.0'      | .067 acres | 4            | 420          | July 22, 1970 |
| SIZE RANGE              | SPECIES     |            |            |              |              |               |
|                         | Brook trout | Creek chub | Mudminnows |              |              |               |
| 1                       |             |            |            |              |              |               |
| 1.0 - 1.4               |             |            |            |              |              |               |
| 1.5 - 1.9               |             |            |            |              |              |               |
| 2.0 - 2.4               |             |            |            |              |              |               |
| 2.5 - 2.9               | 2           |            |            |              |              |               |
| 3.0 - 3.4               | 2           | 1          | 1          |              |              |               |
| 3.5 - 3.9               |             | 3          |            |              |              |               |
| 4.0 - 4.4               |             |            |            |              |              |               |
| 4.5 - 4.9               | 3           |            |            |              |              |               |
| 5.0 - 5.4               | 4           |            |            |              |              |               |
| 5.5 - 5.9               | 5           |            |            |              |              |               |
| 6.0 - 6.4               | 4           |            |            |              |              |               |
| 6.5 - 6.9               | 5           |            |            |              |              |               |
| 7.0 - 7.4               | 1           |            |            |              |              |               |
| 7.5 - 7.9               |             |            |            |              |              |               |
| 8.0 - 8.4               | 2           |            |            |              |              |               |
| 8.5 - 8.9               |             |            |            |              |              |               |
| 9.0 - 9.4               |             |            |            |              |              |               |
| 9.5 - 9.9               |             |            |            |              |              |               |
| 10.0 - 10.4             |             |            |            |              |              |               |
| 10.5 - 10.9             |             |            |            |              |              |               |
| 11.0 - 11.4             |             |            |            |              |              |               |
| 11.5 - 11.9             |             |            |            |              |              |               |
| 12.0 - 12.4             |             |            |            |              |              |               |
| 12.5 - 12.9             |             |            |            |              |              |               |
| 13.0 - 13.4             |             |            |            |              |              |               |
| 13.5 - 13.9             |             |            |            |              |              |               |
| 14.0 - 14.4             |             |            |            |              |              |               |
| 14.5 - 14.9             |             |            |            |              |              |               |
| 15.0 - 15.4             |             |            |            |              |              |               |
| 15.5 - 15.9             |             |            |            |              |              |               |
| 16.0 - 16.4             |             |            |            |              |              |               |
| 16.5 - 16.9             |             |            |            |              |              |               |
| 17.0 - 17.4             |             |            |            |              |              |               |
| 17.5 - 17.9             |             |            |            |              |              |               |
| 18.0 - 18.4             |             |            |            |              |              |               |
| 18.5 - 18.9             |             |            |            |              |              |               |
| 19.0 - 19.4             |             |            |            |              |              |               |
| 19.5 - 19.9             |             |            |            |              |              |               |
| 20.0 - 20.4             |             |            |            |              |              |               |
| 20.5 - 20.9             |             |            |            |              |              |               |
| 21.0 - 21.4             |             |            |            |              |              |               |
| 21.5 - 21.9             |             |            |            |              |              |               |
| 22.0 - 22.4             |             |            |            |              |              |               |
| 22.5 - 22.9             |             |            |            |              |              |               |
| 23.0 - 23.4             |             |            |            |              |              |               |
| 23.5 - 23.9             |             |            |            |              |              |               |
| 24.0 - 24.4             |             |            |            |              |              |               |
| 24.5 - 24.9             |             |            |            |              |              |               |
| 25 + (give actual size) |             |            |            |              |              |               |
| TOTAL                   | 28          | 4          | 1          |              |              |               |

# STREAM SURVEY STATION REPORT

FI-242

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |                          |                                                                                                                                                        |                                     |                                                                                                             |                                                                                |                 |                  |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------|------------------|---------------------|
| NAME OF STREAM<br><b>Fisher Creek</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |                          | Survey Station<br>No. <b>11</b>                                                                                                                        |                                     | POINT OF EXAMINATION<br><b>Upstream from town road. SE1/4-SW1/4 of Section 20</b>                           |                                                                                |                 |                  |                     |
| COUNTY<br><b>Florence</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                          |                                                                                                                                                        |                                     |                                                                                                             |                                                                                |                 |                  |                     |
| Township<br><b>40N</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Range<br><b>18E</b>               | Section<br><b>20</b>     | Distance Sampled<br>(ft.) <b>150</b>                                                                                                                   |                                     | GEAR USED<br><b>Back pack shocker, 120V. AC &amp; DC</b>                                                    |                                                                                |                 |                  |                     |
| Avg. Width<br>(ft.)<br><b>1 1/2'</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Avg. Depth<br>(ft.)<br><b>1/2</b> | Vol. of Flow<br>(c.f.s.) | VELOCITY<br><input type="checkbox"/> Sluggish <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Rapid                              |                                     |                                                                                                             | Max. Flood Crest<br>(ft.)<br><b>2</b>                                          |                 |                  |                     |
| WATER <b>Very light brown</b><br><input type="checkbox"/> Clear <input checked="" type="checkbox"/> Stained <input type="checkbox"/> Dirty                                                                                                                                                                                                                                                                                                                                             |                                   |                          | CONDUCTANCE<br><b>216</b>                                                                                                                              |                                     | TEMPERATURE<br><b>C<sub>1</sub>-210, T<sub>1</sub>-75°F, K-1.03</b><br><b>47°F Water 65°F Air 9:00 a.m.</b> |                                                                                |                 | pH<br><b>7.3</b> | M.P.A.<br><b>77</b> |
| WATER LEVEL CONDITIONS<br>.....In. Below <input checked="" type="checkbox"/> Normal .....In. Above                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                          | PRIOR WEATHER CONDITIONS<br><b>Trace of rain past three days.</b>                                                                                      |                                     |                                                                                                             |                                                                                |                 |                  |                     |
| POLLUTION<br><b>None observed.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                          |                                                                                                                                                        |                                     |                                                                                                             |                                                                                |                 |                  |                     |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan .....Boulder .....Rubble .....Gravel<br><b>60</b> Sand <b>30</b> Silt .....Marl <b>10</b> Detritus                                                                                                                                                                                                                                                                                                                                |                                   |                          |                                                                                                                                                        |                                     |                                                                                                             | POOL GRADE<br><b>"C" common</b><br>POOL-RIFFLE RATIO<br><b>100% flat water</b> |                 |                  |                     |
| AQUATIC VEGETATION (Species)                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   | Abund.                   | AQUATIC VEGETATION (Species)                                                                                                                           |                                     | Abund.                                                                                                      | AQUATIC VEGETATION (Species)                                                   |                 | Abund.           |                     |
| None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                          |                                                                                                                                                        |                                     |                                                                                                             |                                                                                |                 |                  |                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |                          |                                                                                                                                                        |                                     |                                                                                                             |                                                                                |                 |                  |                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |                          |                                                                                                                                                        |                                     |                                                                                                             |                                                                                |                 |                  |                     |
| INSTREAM COVER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   | Scarce                   | Common                                                                                                                                                 | Abundant                            | Stable                                                                                                      | Unstable                                                                       | AQUATIC LIFE    | Scarce           |                     |
| Undercut banks                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   |                          |                                                                                                                                                        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>                                                                         | <input checked="" type="checkbox"/>                                            | Stonefly        | None observed    |                     |
| Rocks, boulders                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | None                     |                                                                                                                                                        |                                     |                                                                                                             |                                                                                | Mayfly          | " "              |                     |
| Logs, trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   | None                     |                                                                                                                                                        |                                     |                                                                                                             |                                                                                | Caddisfly       | " "              |                     |
| Debris                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   | None                     |                                                                                                                                                        |                                     |                                                                                                             |                                                                                | Shrimp          | " "              |                     |
| Aquatic Vegetation                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   | None                     |                                                                                                                                                        |                                     |                                                                                                             |                                                                                | Crayfish        | " "              |                     |
| STREAM BANK VEGETATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                          |                                                                                                                                                        |                                     |                                                                                                             |                                                                                |                 |                  |                     |
| .....% Cultivated                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |                          | .....% Upland Hardwood                                                                                                                                 |                                     |                                                                                                             | .....% Swamp Conifer                                                           |                 |                  |                     |
| .....% Firm Pasture                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                          | .....% Upland Conifer                                                                                                                                  |                                     |                                                                                                             | .....20.....% Shrub <del>Marsh</del> Meadow                                    |                 |                  |                     |
| .....% Meadow Pasture                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |                          | .....% Swamp Hardwood                                                                                                                                  |                                     |                                                                                                             | .....80.....% Open <del>Marsh</del> Meadow                                     |                 |                  |                     |
| STREAM COVER<br><input checked="" type="checkbox"/> Dense <input type="checkbox"/> Partly Open <input type="checkbox"/> Open                                                                                                                                                                                                                                                                                                                                                           |                                   |                          | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor |                                     |                                                                                                             |                                                                                |                 |                  |                     |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input type="checkbox"/> Light <input checked="" type="checkbox"/> None                                                                                                                                                                                                                                                                                                                                 |                                   |                          | DAMS<br>Man-made                                                                                                                                       |                                     | Number<br><b>None</b>                                                                                       | Height                                                                         | Pool Area Above |                  |                     |
| BANK HEIGHTS<br><b>1-1 1/2'</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |                          | Beaver (active)                                                                                                                                        |                                     |                                                                                                             |                                                                                |                 |                  |                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |                          | Beaver (inactive)                                                                                                                                      |                                     |                                                                                                             |                                                                                |                 |                  |                     |
| REMARKS <b>*Stream courses under grassy hummocks, in places very hard to find. High grass completely covers stream. No trout or game fish captured or observed. Local information - brook trout are caught in this area (I assume in the spring?) Shocking difficult due to grass cover. Observed small sculpin just above culvert. Bench Mark - upstream side, west culvert. From top and center of culvert to water surface 16.7".</b><br>(use back of sheet for additional remarks) |                                   |                          |                                                                                                                                                        |                                     |                                                                                                             |                                                                                |                 |                  |                     |
| DATE OF SURVEY<br><b>July 22, 1970</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                          |                                                                                                                                                        |                                     | INVESTIGATOR<br><b>Randy Steuck</b>                                                                         |                                                                                |                 |                  |                     |

# STREAM SURVEY STATION REPORT

FI-242

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

|                                                                                                                                                                           |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------|----------------------------------|-----------------|----------|
| NAME OF STREAM<br>Fisher Creek                                                                                                                                            |                            |                                       | Survey Station<br>No. 12                                                                                                  |        | POINT OF EXAMINATION<br>Walked across hay field from blacktop road in the<br>15th forty of Section 19. SW 1/4 - SE 1/4                                 |                              |                                                                  |                                  |                 |          |
| COUNTY<br>Florence                                                                                                                                                        |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |
| Township<br>40N                                                                                                                                                           | Range<br>18E               | Section<br>19-15                      | Distance Sampled<br>(ft.) 50                                                                                              |        | GEAR USED<br>Back-pack 120V-A.C.                                                                                                                       |                              |                                                                  |                                  |                 |          |
| Avg. Width<br>(ft.)<br>1.5'                                                                                                                                               | Avg. Depth<br>(ft.)<br>0.2 | Vol. of Flow<br>(c.f.s.)<br>0.2(est.) | VELOCITY<br><input checked="" type="checkbox"/> Sluggish <input type="checkbox"/> Moderate <input type="checkbox"/> Rapid |        |                                                                                                                                                        |                              |                                                                  | Max. Flood Crest<br>(ft.)<br>0.5 |                 |          |
| WATER<br><input checked="" type="checkbox"/> Clear <input type="checkbox"/> Stained <input type="checkbox"/> Dirty                                                        |                            |                                       | CONDUCTANCE<br>C <sub>f</sub> 184<br>C <sub>77</sub>                                                                      |        | TEMPERATURE<br>C <sub>1</sub> -184, T <sub>1</sub> -77°F, K-1.00<br>60°F Water 74°F Air 1:15 P.M.                                                      |                              |                                                                  | pH<br>7.3                        | M.P.A.          |          |
| WATER LEVEL CONDITIONS<br>.....In. Below <input checked="" type="checkbox"/> Normal .....In. Above                                                                        |                            |                                       | PRIOR WEATHER CONDITIONS<br>No rain past three days.                                                                      |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |
| POLLUTION<br>None observed.                                                                                                                                               |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock    .....Hardpan    .....Boulder    .....Rubble    .....Gravel<br>.....80.Sand    .....20.Silt    .....Marl    .....Detritus       |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              | POOL GRADE<br>"c" common<br>POOL-RIFFLE RATIO<br>100% FLAT WATER |                                  |                 |          |
| AQUATIC VEGETATION (Species)<br>None in stream bottom                                                                                                                     |                            | Abund.                                | AQUATIC VEGETATION (Species)                                                                                              |        | Abund.                                                                                                                                                 | AQUATIC VEGETATION (Species) |                                                                  | Abund.                           |                 |          |
|                                                                                                                                                                           |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |
|                                                                                                                                                                           |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |
|                                                                                                                                                                           |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |
| STREAM COVER                                                                                                                                                              | Scarce                     | Common                                | Abundant                                                                                                                  | Stable | Unstable                                                                                                                                               | AQUATIC LIFE                 |                                                                  | Scarce                           | Common          | Abundant |
| Undercut banks                                                                                                                                                            | 0                          |                                       |                                                                                                                           |        |                                                                                                                                                        | Stonefly                     |                                                                  |                                  |                 |          |
| Rocks, boulders                                                                                                                                                           | 0                          |                                       |                                                                                                                           |        |                                                                                                                                                        | Mayfly                       |                                                                  | NONE                             |                 |          |
| Logs, trees                                                                                                                                                               | 0                          |                                       |                                                                                                                           |        |                                                                                                                                                        | Caddisfly                    |                                                                  | OBSERVED                         |                 |          |
| Debris                                                                                                                                                                    | 0                          |                                       |                                                                                                                           |        |                                                                                                                                                        | Shrimp                       |                                                                  |                                  |                 |          |
| Aquatic Vegetation                                                                                                                                                        | 0                          |                                       |                                                                                                                           |        |                                                                                                                                                        | Crayfish                     |                                                                  |                                  |                 |          |
| STREAM BANK VEGETATION                                                                                                                                                    |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |
| .....% Cultivated                                                                                                                                                         |                            |                                       | .....% Upland Hardwood                                                                                                    |        |                                                                                                                                                        | .....% Swamp Conifer         |                                                                  |                                  |                 |          |
| .....50.....% Firm Pasture                                                                                                                                                |                            |                                       | .....% Upland Conifer                                                                                                     |        |                                                                                                                                                        | .....% Shrub Marsh           |                                                                  |                                  |                 |          |
| .....50.....% Meadow Pasture                                                                                                                                              |                            |                                       | .....% Swamp Hardwood                                                                                                     |        |                                                                                                                                                        | .....% Open Marsh            |                                                                  |                                  |                 |          |
| STREAM COVER<br><input type="checkbox"/> Dense <input type="checkbox"/> Partly Open <input checked="" type="checkbox"/> Open                                              |                            |                                       |                                                                                                                           |        | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor |                              |                                                                  |                                  |                 |          |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Light <input type="checkbox"/> None                    |                            |                                       |                                                                                                                           |        | DAMS<br>Man-made                                                                                                                                       |                              | Number<br>0                                                      | Height                           | Pool Area Above |          |
| BANK HEIGHTS<br><br>1.0'                                                                                                                                                  |                            |                                       |                                                                                                                           |        | Beaver (active)                                                                                                                                        |                              | 0                                                                |                                  |                 |          |
|                                                                                                                                                                           |                            |                                       |                                                                                                                           |        | Beaver (inactive)                                                                                                                                      |                              | 0                                                                |                                  |                 |          |
|                                                                                                                                                                           |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |
| REMARKS Stream small with very low flow. Flows across farmland. Dense growth of marsh grass and sedge 30 feet on each bank. No fish captured or observed at this station. |                            |                                       |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                  |                                  |                 |          |

(use back of sheet for additional remarks)

DATE OF SURVEY  
July 22, 1970

INVESTIGATOR  
Randy Steuck

# STREAM SURVEY STATION REPORT

FI-242

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| NAME OF STREAM<br><b>Fisher Creek</b>                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | Survey Station<br>No. <b>1</b>                              |                                                                                                                                      | POINT OF EXAMINATION<br>Upstream from junction with Brule River. SE1/4-NW1/4 of Section 14.             |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
| COUNTY<br><b>Florence</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
| Township<br><b>40N</b>                                                                                                                                                                                                                                                                                                                                                                                                                       | Range<br><b>18E</b>               | Section<br><b>14</b>                                        | Distance Sampled<br>(ft.) <b>855</b>                                                                                                 | GEAR USED<br>Back pack shocker 120 V. - AC                                                              |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
| Avg. Width<br>(ft.)<br><b>11</b>                                                                                                                                                                                                                                                                                                                                                                                                             | Avg. Depth<br>(ft.)<br><b>1/2</b> | Vol. of Flow<br>(c.f.s.)                                    | VELOCITY<br><input type="checkbox"/> Sluggish <input checked="" type="checkbox"/> Moderate <input checked="" type="checkbox"/> Rapid |                                                                                                         |                                                                                                                                                        |                                               | Max. Flood Crest<br>(ft.)<br><b>2</b>                                       |                                     |                                     |                                     |
| WATER<br><b>Light brown</b><br><input type="checkbox"/> Clear <input checked="" type="checkbox"/> Stained <input type="checkbox"/> Dirty                                                                                                                                                                                                                                                                                                     |                                   | CONDUCTANCE<br>C <sub>f</sub> <b>274</b><br>C <sub>77</sub> |                                                                                                                                      | TEMPERATURE<br>C <sub>1</sub> -240, T <sub>1</sub> -68°F, K-1.14<br>53°F Water 57°F Air 11:15 a.m. Time |                                                                                                                                                        |                                               |                                                                             | pH<br><b>7.1</b><br>Cl - 4 ppm      | M.P.A.<br><b>111</b> ppm            |                                     |
| WATER LEVEL CONDITIONS<br>.....In. Below <input checked="" type="checkbox"/> Normal .....In. Above                                                                                                                                                                                                                                                                                                                                           |                                   | PRIOR WEATHER CONDITIONS<br>Trace of rain past three days   |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
| POLLUTION<br>None observed.                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan .....5.....Boulder .....45Rubble .....15.....Gravel<br>.....30Sand .....5.....Silt .....Marl .....Detritus                                                                                                                                                                                                                                                                              |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               | POOL GRADE<br>"C" & "B" common<br>POOL-RIFFLE RATIO<br>75% riffle, 25% flat |                                     |                                     |                                     |
| AQUATIC VEGETATION (Species)<br><b>Vallisneria</b>                                                                                                                                                                                                                                                                                                                                                                                           |                                   | Abund.<br><b>P</b>                                          | AQUATIC VEGETATION (Species)                                                                                                         |                                                                                                         | Abund.                                                                                                                                                 | AQUATIC VEGETATION (Species)                  |                                                                             | Abund.                              |                                     |                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
| STREAM COVER                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   | Scarce                                                      | Common                                                                                                                               | Abundant                                                                                                | Stable                                                                                                                                                 | Unstable                                      | AQUATIC LIFE                                                                | Scarce                              | Common                              | Abundant                            |
| Undercut banks                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   | <input checked="" type="checkbox"/>                         |                                                                                                                                      |                                                                                                         | <input checked="" type="checkbox"/>                                                                                                                    | <input checked="" type="checkbox"/>           | Stonefly                                                                    |                                     | <input checked="" type="checkbox"/> |                                     |
| Rocks, boulders                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                                                             |                                                                                                                                      | <input checked="" type="checkbox"/>                                                                     | <input checked="" type="checkbox"/>                                                                                                                    |                                               | Mayfly                                                                      | <input checked="" type="checkbox"/> |                                     |                                     |
| Logs, trees                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   |                                                             | <input checked="" type="checkbox"/>                                                                                                  |                                                                                                         | <input checked="" type="checkbox"/>                                                                                                                    | <input checked="" type="checkbox"/>           | Caddisfly                                                                   |                                     |                                     | <input checked="" type="checkbox"/> |
| Debris                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                                                             | <input checked="" type="checkbox"/>                                                                                                  |                                                                                                         |                                                                                                                                                        | <input checked="" type="checkbox"/>           | Shrimp                                                                      |                                     |                                     |                                     |
| Aquatic Vegetation                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   | <input checked="" type="checkbox"/>                         |                                                                                                                                      |                                                                                                         | <input checked="" type="checkbox"/>                                                                                                                    |                                               | Crayfish                                                                    | <input checked="" type="checkbox"/> |                                     |                                     |
| STREAM BANK VEGETATION                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
| .....% Cultivated                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |                                                             | .....% Upland Hardwood                                                                                                               |                                                                                                         |                                                                                                                                                        | .....% Swamp Conifer                          |                                                                             |                                     |                                     |                                     |
| .....% Firm Pasture                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |                                                             | .....% Upland Conifer                                                                                                                |                                                                                                         |                                                                                                                                                        | .....100.....% Shrub <del>Forest</del> Meadow |                                                                             |                                     |                                     |                                     |
| .....% Meadow Pasture                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   |                                                             | .....% Swamp Hardwood                                                                                                                |                                                                                                         |                                                                                                                                                        | .....% Open Marsh                             |                                                                             |                                     |                                     |                                     |
| STREAM COVER<br>95% Dense <input type="checkbox"/> Partly Open 5% Open                                                                                                                                                                                                                                                                                                                                                                       |                                   |                                                             |                                                                                                                                      |                                                                                                         | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor |                                               |                                                                             |                                     |                                     |                                     |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Light <input type="checkbox"/> None                                                                                                                                                                                                                                                                                       |                                   |                                                             |                                                                                                                                      |                                                                                                         | DAMS<br>Man-made                                                                                                                                       |                                               | Number<br>None                                                              | Height                              | Pool Area Above                     |                                     |
| BANK HEIGHTS<br><br>1-2'                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                                                             |                                                                                                                                      |                                                                                                         | Beaver (active)                                                                                                                                        |                                               | "                                                                           |                                     |                                     |                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   |                                                             |                                                                                                                                      |                                                                                                         | Beaver (inactive)                                                                                                                                      |                                               | "                                                                           |                                     |                                     |                                     |
| REMARKS Brook trout captured were in excellent shape, very heavy for their length. Local information: (Ron Helgren summer employe for Mich. Con. Dept.) - rainbows up to 18" taken in spring. Brook trout up to 14" taken throughout summer. Stream channel changes year to year due to heavy flooding. At one time the entire area was flooded by beaver. Shocker efficiency poor due to rapid flow and deep pools. No suitable bench mark. |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
| (use back of sheet for additional remarks)                                                                                                                                                                                                                                                                                                                                                                                                   |                                   |                                                             |                                                                                                                                      |                                                                                                         |                                                                                                                                                        |                                               |                                                                             |                                     |                                     |                                     |
| DATE OF SURVEY<br>August 26, 1968                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |                                                             |                                                                                                                                      |                                                                                                         | INVESTIGATOR<br>J. A. Smith and J. A. Niebauer                                                                                                         |                                               |                                                                             |                                     |                                     |                                     |

STATION FISH SAMPLING SUMMARY

|                                         |                |              |                    |                                               |                     |                         |
|-----------------------------------------|----------------|--------------|--------------------|-----------------------------------------------|---------------------|-------------------------|
| STREAM<br>Fisher Creek, Florence County |                |              |                    | INVESTIGATOR<br>J. A. Smith and J. A. Niebuhr |                     |                         |
| Area<br>Sampled:                        | LENGTH<br>855' | WIDTH<br>11' | AREA<br>.216 acres | STATION NO.<br>1                              | NO. PER ACRE<br>144 | DATE<br>August 26, 1968 |
| SIZE RANGE                              | SPECIES        |              |                    |                                               |                     |                         |
|                                         | Brook trout    |              |                    |                                               |                     |                         |
| 1                                       |                |              |                    |                                               |                     |                         |
| 1.0 - 1.4                               |                |              |                    |                                               |                     |                         |
| 1.5 - 1.9                               |                |              |                    |                                               |                     |                         |
| 2.0 - 2.4                               |                |              |                    |                                               |                     |                         |
| 2.5 - 2.9                               | 6              |              |                    |                                               |                     |                         |
| 3.0 - 3.4                               | 11             |              |                    |                                               |                     |                         |
| 3.5 - 3.9                               | 8              |              |                    |                                               |                     |                         |
| 4.0 - 4.4                               | 1              |              |                    |                                               |                     |                         |
| 4.5 - 4.9                               |                |              |                    |                                               |                     |                         |
| 5.0 - 5.4                               |                |              |                    |                                               |                     |                         |
| 5.5 - 5.9                               | 1              |              |                    |                                               |                     |                         |
| 6.0 - 6.4                               |                |              |                    |                                               |                     |                         |
| 6.5 - 6.9                               | 1              |              |                    |                                               |                     |                         |
| 7.0 - 7.4                               | 2              |              |                    |                                               |                     |                         |
| 7.5 - 7.9                               | 1              |              |                    |                                               |                     |                         |
| 8.0 - 8.4                               |                |              |                    |                                               |                     |                         |
| 8.5 - 8.9                               |                |              |                    |                                               |                     |                         |
| 9.0 - 9.4                               |                |              |                    |                                               |                     |                         |
| 9.5 - 9.9                               |                |              |                    |                                               |                     |                         |
| 10.0 - 10.4                             |                |              |                    |                                               |                     |                         |
| 10.5 - 10.9                             |                |              |                    |                                               |                     |                         |
| 11.0 - 11.4                             |                |              |                    |                                               |                     |                         |
| 11.5 - 11.9                             |                |              |                    |                                               |                     |                         |
| 12.0 - 12.4                             |                |              |                    |                                               |                     |                         |
| 12.5 - 12.9                             |                |              |                    |                                               |                     |                         |
| 13.0 - 13.4                             |                |              |                    |                                               |                     |                         |
| 13.5 - 13.9                             |                |              |                    |                                               |                     |                         |
| 14.0 - 14.4                             |                |              |                    |                                               |                     |                         |
| 14.5 - 14.9                             |                |              |                    |                                               |                     |                         |
| 15.0 - 15.4                             |                |              |                    |                                               |                     |                         |
| 15.5 - 15.9                             |                |              |                    |                                               |                     |                         |
| 16.0 - 16.4                             |                |              |                    |                                               |                     |                         |
| 16.5 - 16.9                             |                |              |                    |                                               |                     |                         |
| 17.0 - 17.4                             |                |              |                    |                                               |                     |                         |
| 17.5 - 17.9                             |                |              |                    |                                               |                     |                         |
| 18.0 - 18.4                             |                |              |                    |                                               |                     |                         |
| 18.5 - 18.9                             |                |              |                    |                                               |                     |                         |
| 19.0 - 19.4                             |                |              |                    |                                               |                     |                         |
| 19.5 - 19.9                             |                |              |                    |                                               |                     |                         |
| 20.0 - 20.4                             |                |              |                    |                                               |                     |                         |
| 20.5 - 20.9                             |                |              |                    |                                               |                     |                         |
| 21.0 - 21.4                             |                |              |                    |                                               |                     |                         |
| 21.5 - 21.9                             |                |              |                    |                                               |                     |                         |
| 22.0 - 22.4                             |                |              |                    |                                               |                     |                         |
| 22.5 - 22.9                             |                |              |                    |                                               |                     |                         |
| 23.0 - 23.4                             |                |              |                    |                                               |                     |                         |
| 23.5 - 23.9                             |                |              |                    |                                               |                     |                         |
| 24.0 - 24.4                             |                |              |                    |                                               |                     |                         |
| 24.5 - 24.9                             |                |              |                    |                                               |                     |                         |
| 25 + (give actual size)                 |                |              |                    |                                               |                     |                         |
| TOTAL                                   | 31             |              |                    |                                               |                     |                         |

# STREAM SURVEY STATION REPORT

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

FI-242

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|-------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------|-----------------------------|---------------------------|----------|
| NAME OF STREAM<br>Fisher Creek                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                         | Survey Station<br>No. 2                               |                          | POINT OF EXAMINATION<br>*from a point 855' above junction with Brule River<br>(shocked upstream). NE 1/4 - SW 1/4 of Section 14 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
| COUNTY<br>Florence                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
| Township<br>40N                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Range<br>18E | Section<br>14           | Distance Sampled<br>(ft.) 750                         |                          | GEAR USED<br>Back pack shocker 120 volt A.C.                                                                                    |                                                                                                                                                        |                                          |                                  |                             |                           |          |
| Avg. Width<br>(ft.) 10                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              | Avg. Depth<br>(ft.) 2/3 |                                                       | Vol. of Flow<br>(c.f.s.) |                                                                                                                                 | VELOCITY<br><input type="checkbox"/> Sluggish <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Rapid                              |                                          |                                  | Max. Flood Crest<br>(ft.) 2 |                           |          |
| WATER<br><input checked="" type="checkbox"/> Clear <input type="checkbox"/> Stained <input type="checkbox"/> Dirty                                                                                                                                                                                                                                                                                                                                                      |              |                         | CONDUCTANCE<br>C <sub>f</sub> 267 C <sub>77</sub>     |                          | TEMPERATURE C <sub>1</sub> 25.2 T <sub>1</sub> 73°F K 1.06                                                                      |                                                                                                                                                        |                                          | pH 7.5                           |                             | M.P.A.                    |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                         |                                                       |                          | 56°F Water 60°F Air 3:00 P.M. Time                                                                                              |                                                                                                                                                        |                                          | Cl 6ppm                          |                             | 111 ppm                   |          |
| WATER LEVEL CONDITIONS<br>.....In. Below <input checked="" type="checkbox"/> Normal .....In. Above                                                                                                                                                                                                                                                                                                                                                                      |              |                         | PRIOR WEATHER CONDITIONS<br>Trace of rain past 3 days |                          |                                                                                                                                 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
| POLLUTION<br>None observed.                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan .....1.....Boulder .....4.....Rubble .....10.....Gravel<br>.....45.....Sand .....40.....Silt .....Marl .....Detritus                                                                                                                                                                                                                                                                                               |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        | POOL GRADE<br>B Common C Present         |                                  |                             |                           |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        | POOL-RIFFLE RATIO<br>77% flat 23% riffle |                                  |                             |                           |          |
| AQUATIC VEGETATION (Species)<br>None                                                                                                                                                                                                                                                                                                                                                                                                                                    |              | Abund.                  | AQUATIC VEGETATION (Species)                          |                          | Abund.                                                                                                                          | AQUATIC VEGETATION (Species)                                                                                                                           |                                          | Abund.                           |                             |                           |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
| STREAM COVER                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              | Scarce                  | Common                                                | Abundant                 | Stable                                                                                                                          | Unstable                                                                                                                                               | AQUATIC LIFE                             |                                  | Scarce                      | Common                    | Abundant |
| Undercut banks                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |                         | X                                                     |                          |                                                                                                                                 | X                                                                                                                                                      | Stonefly                                 |                                  | X                           |                           |          |
| Rocks, boulders                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              | X                       |                                                       |                          | X                                                                                                                               |                                                                                                                                                        | Mayfly                                   |                                  | X                           |                           |          |
| Logs, trees                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |                         | X                                                     |                          | X                                                                                                                               | X                                                                                                                                                      | Caddisfly                                |                                  |                             | X                         |          |
| Debris                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                         | X                                                     |                          |                                                                                                                                 | X                                                                                                                                                      | Shrimp                                   |                                  |                             |                           |          |
| Aquatic Vegetation                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              | None                    |                                                       |                          |                                                                                                                                 |                                                                                                                                                        | Crayfish                                 |                                  | X                           |                           |          |
| STREAM BANK VEGETATION                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
| .....% Cultivated                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                         |                                                       | .....% Upland Hardwood   |                                                                                                                                 |                                                                                                                                                        |                                          | .....% Swamp Conifer             |                             |                           |          |
| .....% Firm Pasture                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |                         |                                                       | .....% Upland Conifer    |                                                                                                                                 |                                                                                                                                                        |                                          | .....25.....% Shrub Marsh Meadow |                             |                           |          |
| .....% Meadow Pasture                                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                         |                                                       | .....% Swamp Hardwood    |                                                                                                                                 |                                                                                                                                                        |                                          | .....75.....% Open Marsh Meadow  |                             |                           |          |
| STREAM COVER<br>20% Dense <input type="checkbox"/> Partly Open <input type="checkbox"/> 80% Open <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                    |              |                         |                                                       |                          |                                                                                                                                 | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor |                                          |                                  |                             |                           |          |
| BANK EROSION<br><input type="checkbox"/> Heavy <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Light <input type="checkbox"/> None                                                                                                                                                                                                                                                                                                                  |              |                         |                                                       |                          |                                                                                                                                 | DAMS<br>Man-made                                                                                                                                       |                                          | Number<br>None                   |                             | Height<br>Pool Area Above |          |
| BANK HEIGHTS<br>1 - 3 feet                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                         |                                                       |                          |                                                                                                                                 | Beaver (active)                                                                                                                                        |                                          | "                                |                             |                           |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                         |                                                       |                          |                                                                                                                                 | Beaver (inactive)                                                                                                                                      |                                          | "                                |                             |                           |          |
| REMARKS<br>This station shocked intermittently. Sculpin, dace and mudminnows present.<br>* Station begins approx. 50 yds. below open meadow area (or just above riffle area Station # 1)<br>* extends to upland on the immediate right bank. Shocker efficiency poor due to deep pools<br>and deep undercut banks. Stream bank stabilization would benefit this station. Old beaver sign<br>present. No suitable bench mark. (use back of sheet for additional remarks) |              |                         |                                                       |                          |                                                                                                                                 |                                                                                                                                                        |                                          |                                  |                             |                           |          |
| DATE OF SURVEY<br>August 26, 1968                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                         |                                                       |                          |                                                                                                                                 | INVESTIGATOR<br>J. A. Smith - J. A. Niebuhr                                                                                                            |                                          |                                  |                             |                           |          |

# STATION FISH SAMPLING SUMMARY

| STREAM                       |             |         |            | INVESTIGATOR                |              |                 |
|------------------------------|-------------|---------|------------|-----------------------------|--------------|-----------------|
| Fisher Creek Florence County |             |         |            | J. A. Smith - J. A. Niebuhr |              |                 |
| Area Sampled:                | LENGTH      | WIDTH   | AREA       | STATION NO.                 | NO. PER ACRE | DATE            |
|                              | 750 feet    | 10 feet | .172 acres | 2                           | 209          | August 26, 1966 |
| SIZE RANGE                   | SPECIES     |         |            |                             |              |                 |
|                              | Brook trout |         |            |                             |              |                 |
| 1                            |             |         |            |                             |              |                 |
| 1.0 - 1.4                    |             |         |            |                             |              |                 |
| 1.5 - 1.9                    |             |         |            |                             |              |                 |
| 2.0 - 2.4                    |             |         |            |                             |              |                 |
| 2.5 - 2.9                    | 6           |         |            |                             |              |                 |
| 3.0 - 3.4                    | 18          |         |            |                             |              |                 |
| 3.5 - 3.9                    | 3           |         |            |                             |              |                 |
| 4.0 - 4.4                    | 1           |         |            |                             |              |                 |
| 4.5 - 4.9                    |             |         |            |                             |              |                 |
| 5.0 - 5.4                    |             |         |            |                             |              |                 |
| 5.5 - 5.9                    | 2           |         |            |                             |              |                 |
| 6.0 - 6.4                    | 3           |         |            |                             |              |                 |
| 6.5 - 6.9                    | 1           |         |            |                             |              |                 |
| 7.0 - 7.4                    |             |         |            |                             |              |                 |
| 7.5 - 7.9                    |             |         |            |                             |              |                 |
| 8.0 - 8.4                    |             |         |            |                             |              |                 |
| 8.5 - 8.9                    | 2           |         |            |                             |              |                 |
| 9.0 - 9.4                    |             |         |            |                             |              |                 |
| 9.5 - 9.9                    |             |         |            |                             |              |                 |
| 10.0 - 10.4                  |             |         |            |                             |              |                 |
| 10.5 - 10.9                  |             |         |            |                             |              |                 |
| 11.0 - 11.4                  |             |         |            |                             |              |                 |
| 11.5 - 11.9                  |             |         |            |                             |              |                 |
| 12.0 - 12.4                  |             |         |            |                             |              |                 |
| 12.5 - 12.9                  |             |         |            |                             |              |                 |
| 13.0 - 13.4                  |             |         |            |                             |              |                 |
| 13.5 - 13.9                  |             |         |            |                             |              |                 |
| 14.0 - 14.4                  |             |         |            |                             |              |                 |
| 14.5 - 14.9                  |             |         |            |                             |              |                 |
| 15.0 - 15.4                  |             |         |            |                             |              |                 |
| 15.5 - 15.9                  |             |         |            |                             |              |                 |
| 16.0 - 16.4                  |             |         |            |                             |              |                 |
| 16.5 - 16.9                  |             |         |            |                             |              |                 |
| 17.0 - 17.4                  |             |         |            |                             |              |                 |
| 17.5 - 17.9                  |             |         |            |                             |              |                 |
| 18.0 - 18.4                  |             |         |            |                             |              |                 |
| 18.5 - 18.9                  |             |         |            |                             |              |                 |
| 19.0 - 19.4                  |             |         |            |                             |              |                 |
| 19.5 - 19.9                  |             |         |            |                             |              |                 |
| 20.0 - 20.4                  |             |         |            |                             |              |                 |
| 20.5 - 20.9                  |             |         |            |                             |              |                 |
| 21.0 - 21.4                  |             |         |            |                             |              |                 |
| 21.5 - 21.9                  |             |         |            |                             |              |                 |
| 22.0 - 22.4                  |             |         |            |                             |              |                 |
| 22.5 - 22.9                  |             |         |            |                             |              |                 |
| 23.0 - 23.4                  |             |         |            |                             |              |                 |
| 23.5 - 23.9                  |             |         |            |                             |              |                 |
| 24.0 - 24.4                  |             |         |            |                             |              |                 |
| 24.5 - 24.9                  |             |         |            |                             |              |                 |
| 25 + (give actual size)      |             |         |            |                             |              |                 |
| TOTAL                        | 36          |         |            |                             |              |                 |

# STREAM SURVEY STATION REPORT

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

FI-242

|                                                                                                                                                                    |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------|-------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------|-----------------------------|
| NAME OF STREAM<br>Fisher Creek                                                                                                                                     |              |                                   | Survey Station<br>No. 5                               |                          | POINT OF EXAMINATION<br>Upstream from a point 450' below gravel road SE $\frac{1}{4}$ - SE $\frac{1}{4}$ of section 22                                 |                                                                                                                           |                                                                        |                       |                             |
| COUNTY<br>Florence                                                                                                                                                 |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
| Township<br>40N                                                                                                                                                    | Range<br>18E | Section<br>22                     | Distance Sampled<br>(ft.) 450                         |                          | GEAR USED<br>Back pack shocker 120 volt                                                                                                                |                                                                                                                           |                                                                        |                       |                             |
| Avg. Width<br>(ft.) 11'                                                                                                                                            |              | Avg. Depth<br>(ft.) $\frac{1}{2}$ |                                                       | Vol. of Flow<br>(c.f.s.) |                                                                                                                                                        | VELOCITY<br><input type="checkbox"/> Sluggish <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Rapid |                                                                        |                       | Max. Flood Crest<br>(ft.) 2 |
| WATER<br>Medium brown<br><input type="checkbox"/> Clear <input checked="" type="checkbox"/> Stained/ <input type="checkbox"/> Dirty                                |              |                                   | CONDUCTANCE<br>C <sub>f</sub> 233 C <sub>77</sub>     |                          | TEMPERATURE<br>C <sub>1</sub> 25.0 T <sub>1</sub> 83°F K .93<br>69°F Water 78°F Air 10:00 a.m.                                                         |                                                                                                                           |                                                                        | pH<br>7.1<br>Cl 8 ppm | M.P.A.<br>75 ppm            |
| WATER LEVEL CONDITIONS<br>.....In. Below .....Normal 1-2 In. Above                                                                                                 |              |                                   | PRIOR WEATHER CONDITIONS<br>Moderate rain past 2 days |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
| POLLUTION<br>None observed (may be some in Town of Florence)                                                                                                       |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan .....2.....Boulder .....10.....Rubble .....20.....Gravel<br>.58.....Sand .10.....Silt .....Marl .....Detritus |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           | POOL GRADE<br>C & B Common<br>POOL-RIFFLE RATIO<br>60 flat - 40 riffle |                       |                             |
| AQUATIC VEGETATION (Species)<br>None                                                                                                                               |              | Abund.                            | AQUATIC VEGETATION (Species)                          |                          | Abund.                                                                                                                                                 | AQUATIC VEGETATION (Species)                                                                                              |                                                                        | Abund.                |                             |
|                                                                                                                                                                    |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
|                                                                                                                                                                    |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
|                                                                                                                                                                    |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
| STREAM COVER                                                                                                                                                       | Scarce       | Common                            | Abundant                                              | Stable                   | Unstable                                                                                                                                               | AQUATIC LIFE                                                                                                              | Scarce                                                                 | Common                | Abundant                    |
| Undercut banks                                                                                                                                                     |              | X                                 |                                                       | X                        | X                                                                                                                                                      | Stonefly                                                                                                                  | X                                                                      |                       |                             |
| Rocks, boulders                                                                                                                                                    | X            |                                   |                                                       | X                        |                                                                                                                                                        | Mayfly                                                                                                                    | X                                                                      |                       |                             |
| Logs, trees                                                                                                                                                        |              | X                                 |                                                       | X                        |                                                                                                                                                        | Caddisfly                                                                                                                 |                                                                        | X                     |                             |
| Debris                                                                                                                                                             | X            |                                   |                                                       |                          | X                                                                                                                                                      | Shrimp                                                                                                                    |                                                                        |                       |                             |
| Aquatic Vegetation                                                                                                                                                 |              |                                   |                                                       |                          |                                                                                                                                                        | Crayfish                                                                                                                  |                                                                        |                       |                             |
| STREAM BANK VEGETATION                                                                                                                                             |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
| .....% Cultivated                                                                                                                                                  |              |                                   | .....100.....% Upland Hardwood                        |                          |                                                                                                                                                        | .....% Swamp Conifer                                                                                                      |                                                                        |                       |                             |
| .....% Firm Pasture                                                                                                                                                |              |                                   | .....% Upland Conifer                                 |                          |                                                                                                                                                        | .....% Shrub Marsh                                                                                                        |                                                                        |                       |                             |
| .....% Meadow Pasture                                                                                                                                              |              |                                   | .....% Swamp Hardwood                                 |                          |                                                                                                                                                        | .....% Open Marsh                                                                                                         |                                                                        |                       |                             |
| STREAM COVER<br><input checked="" type="checkbox"/> Dense <input type="checkbox"/> Partly Open <input type="checkbox"/> Open                                       |              |                                   |                                                       |                          | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor |                                                                                                                           |                                                                        |                       |                             |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input type="checkbox"/> Light <input checked="" type="checkbox"/> None             |              |                                   |                                                       |                          | DAMS<br>Man-made                                                                                                                                       |                                                                                                                           | Number<br>None                                                         | Height                | Pool Area Above             |
| BANK HEIGHTS<br>1 - 2 feet                                                                                                                                         |              |                                   |                                                       |                          | Beaver (active)                                                                                                                                        |                                                                                                                           | "                                                                      |                       |                             |
|                                                                                                                                                                    |              |                                   |                                                       |                          | Beaver (inactive)                                                                                                                                      |                                                                                                                           | "                                                                      |                       |                             |
| REMARKS<br>Brook trout captured were in excellent condition (heavy for length)                                                                                     |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
| (use back of sheet for additional remarks)                                                                                                                         |              |                                   |                                                       |                          |                                                                                                                                                        |                                                                                                                           |                                                                        |                       |                             |
| DATE OF SURVEY<br>August 22, 1968                                                                                                                                  |              |                                   |                                                       |                          | INVESTIGATOR<br>J. A. Smith - J. A. Niebuhr                                                                                                            |                                                                                                                           |                                                                        |                       |                             |

STATION FISH SAMPLING SUMMARY

|                                          |                    |                  |                    |                                             |                    |                         |
|------------------------------------------|--------------------|------------------|--------------------|---------------------------------------------|--------------------|-------------------------|
| STREAM<br>Fisher Creek - Florence County |                    |                  |                    | INVESTIGATOR<br>J. A. Smith - J. A. Niebuhr |                    |                         |
| Area<br>Sampled:                         | LENGTH<br>450 feet | WIDTH<br>11 feet | AREA<br>.114 acres | STATION NO.<br>5                            | NO. PER ACRE<br>79 | DATE<br>August 22, 1968 |
| SIZE RANGE                               | SPECIES            |                  |                    |                                             |                    |                         |
|                                          | Brook trout        |                  |                    |                                             |                    |                         |
| 1                                        |                    |                  |                    |                                             |                    |                         |
| 1.0 - 1.4                                |                    |                  |                    |                                             |                    |                         |
| 1.5 - 1.9                                |                    |                  |                    |                                             |                    |                         |
| 2.0 - 2.4                                | 1                  |                  |                    |                                             |                    |                         |
| 2.5 - 2.9                                |                    |                  |                    |                                             |                    |                         |
| 3.0 - 3.4                                | 2                  |                  |                    |                                             |                    |                         |
| 3.5 - 3.9                                |                    |                  |                    |                                             |                    |                         |
| 4.0 - 4.4                                |                    |                  |                    |                                             |                    |                         |
| 4.5 - 4.9                                | 1                  |                  |                    |                                             |                    |                         |
| 5.0 - 5.4                                |                    |                  |                    |                                             |                    |                         |
| 5.5 - 5.9                                | 1                  |                  |                    |                                             |                    |                         |
| 6.0 - 6.4                                | 1                  |                  |                    |                                             |                    |                         |
| 6.5 - 6.9                                | 1                  |                  |                    |                                             |                    |                         |
| 7.0 - 7.4                                |                    |                  |                    |                                             |                    |                         |
| 7.5 - 7.9                                |                    |                  |                    |                                             |                    |                         |
| 8.0 - 8.4                                | 2                  |                  |                    |                                             |                    |                         |
| 8.5 - 8.9                                |                    |                  |                    |                                             |                    |                         |
| 9.0 - 9.4                                |                    |                  |                    |                                             |                    |                         |
| 9.5 - 9.9                                |                    |                  |                    |                                             |                    |                         |
| 10.0 - 10.4                              |                    |                  |                    |                                             |                    |                         |
| 10.5 - 10.9                              |                    |                  |                    |                                             |                    |                         |
| 11.0 - 11.4                              |                    |                  |                    |                                             |                    |                         |
| 11.5 - 11.9                              |                    |                  |                    |                                             |                    |                         |
| 12.0 - 12.4                              |                    |                  |                    |                                             |                    |                         |
| 12.5 - 12.9                              |                    |                  |                    |                                             |                    |                         |
| 13.0 - 13.4                              |                    |                  |                    |                                             |                    |                         |
| 13.5 - 13.9                              |                    |                  |                    |                                             |                    |                         |
| 14.0 - 14.4                              |                    |                  |                    |                                             |                    |                         |
| 14.5 - 14.9                              |                    |                  |                    |                                             |                    |                         |
| 15.0 - 15.4                              |                    |                  |                    |                                             |                    |                         |
| 15.5 - 15.9                              |                    |                  |                    |                                             |                    |                         |
| 16.0 - 16.4                              |                    |                  |                    |                                             |                    |                         |
| 16.5 - 16.9                              |                    |                  |                    |                                             |                    |                         |
| 17.0 - 17.4                              |                    |                  |                    |                                             |                    |                         |
| 17.5 - 17.9                              |                    |                  |                    |                                             |                    |                         |
| 18.0 - 18.4                              |                    |                  |                    |                                             |                    |                         |
| 18.5 - 18.9                              |                    |                  |                    |                                             |                    |                         |
| 19.0 - 19.4                              |                    |                  |                    |                                             |                    |                         |
| 19.5 - 19.9                              |                    |                  |                    |                                             |                    |                         |
| 20.0 - 20.4                              |                    |                  |                    |                                             |                    |                         |
| 20.5 - 20.9                              |                    |                  |                    |                                             |                    |                         |
| 21.0 - 21.4                              |                    |                  |                    |                                             |                    |                         |
| 21.5 - 21.9                              |                    |                  |                    |                                             |                    |                         |
| 22.0 - 22.4                              |                    |                  |                    |                                             |                    |                         |
| 22.5 - 22.9                              |                    |                  |                    |                                             |                    |                         |
| 23.0 - 23.4                              |                    |                  |                    |                                             |                    |                         |
| 23.5 - 23.9                              |                    |                  |                    |                                             |                    |                         |
| 24.0 - 24.4                              |                    |                  |                    |                                             |                    |                         |
| 24.5 - 24.9                              |                    |                  |                    |                                             |                    |                         |
| 25 + (give actual size)                  |                    |                  |                    |                                             |                    |                         |
| TOTAL                                    | 9                  |                  |                    |                                             |                    |                         |

# STREAM SURVEY STATION REPORT

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

FI-242

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                          |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                                |                              |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------|------------------------------|------------------|
| NAME OF STREAM<br>Fisher Creek                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                          | Survey Station<br>No. 6                                                                                                   |        | POINT OF EXAMINATION<br>Upstream from gravel road.<br>NE¼ - NE¼ and the NW¼ & NE¼ of Section 27                                                        |                              |                                                                                |                              |                  |
| COUNTY<br>Florence                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                          |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                                |                              |                  |
| Township<br>40N                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Range<br>18E          | Section<br>27            | Distance Sampled<br>(ft.) 567                                                                                             |        | GEAR USED<br>Back pack shocker 120 volt                                                                                                                |                              |                                                                                |                              |                  |
| Avg. Width<br>(ft.) 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Avg. Depth<br>(ft.) ½ | Vol. of Flow<br>(c.f.s.) | VELOCITY<br><input type="checkbox"/> Sluggish <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Rapid |        |                                                                                                                                                        |                              |                                                                                | Max. Flood Crest<br>(ft.) 2¼ |                  |
| WATER<br>Medium brown<br><input type="checkbox"/> Clear <input checked="" type="checkbox"/> Stained/ <input type="checkbox"/> Dirty                                                                                                                                                                                                                                                                                                                                                     |                       |                          | CONDUCTANCE<br>C <sub>f</sub> 223 C <sub>77</sub>                                                                         |        | TEMPERATURE<br>C <sub>1</sub> 240 T <sub>1</sub> 83°F K.93<br>66°F Water 60°F Air 8:45 A.M.                                                            |                              |                                                                                | pH 7.1<br>Cl 7 ppm           | M.P.A.<br>74 ppm |
| WATER LEVEL CONDITIONS<br>.....In. Below .....Normal 2-3 In. Above                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                          | PRIOR WEATHER CONDITIONS<br>Moderate rain past 2 days                                                                     |        |                                                                                                                                                        |                              |                                                                                |                              |                  |
| POLLUTION<br>None observed                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                          |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                                |                              |                  |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan .....20.....Boulder .....25.....Rubble .....35.....Gravel<br>.....15.....Sand .....5.....Silt .....Marl .....Detritus                                                                                                                                                                                                                                                                                                              |                       |                          |                                                                                                                           |        |                                                                                                                                                        |                              | POOL GRADE<br>C Abundant - B Common<br>POOL-RIFFLE RATIO<br>15% flat 85% rapid |                              |                  |
| AQUATIC VEGETATION (Species)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       | Abund.                   | AQUATIC VEGETATION (Species)                                                                                              |        | Abund.                                                                                                                                                 | AQUATIC VEGETATION (Species) |                                                                                | Abund.                       |                  |
| Sparganium                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       | Present                  |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                                |                              |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                          |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                                |                              |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                          |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                                |                              |                  |
| STREAM COVER                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Scarce                | Common                   | Abundant                                                                                                                  | Stable | Unstable                                                                                                                                               | AQUATIC LIFE                 | Scarce                                                                         | Common                       | Abundant         |
| Undercut banks                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       | x                        |                                                                                                                           |        | x                                                                                                                                                      | Stonefly                     |                                                                                | x                            |                  |
| Rocks, boulders                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                          | x                                                                                                                         | x      |                                                                                                                                                        | Mayfly                       |                                                                                | x                            |                  |
| Logs, trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       | x                        |                                                                                                                           | x      |                                                                                                                                                        | Caddisfly                    |                                                                                |                              | x                |
| Debris                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       | x                        |                                                                                                                           | x      | x                                                                                                                                                      | Shrimp                       | None                                                                           | observed                     |                  |
| Aquatic Vegetation                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | x                     |                          |                                                                                                                           |        | x                                                                                                                                                      | Crayfish                     | x                                                                              |                              |                  |
| STREAM BANK VEGETATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                          |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                                |                              |                  |
| .....% Cultivated                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                          | .....98.....% Upland Hardwood                                                                                             |        |                                                                                                                                                        | .....% Swamp Conifer         |                                                                                |                              |                  |
| .....% Firm Pasture                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                          | .....2.....% Upland Conifer                                                                                               |        |                                                                                                                                                        | .....% Shrub Marsh           |                                                                                |                              |                  |
| .....% Meadow Pasture                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                          | .....% Swamp Hardwood                                                                                                     |        |                                                                                                                                                        | .....% Open Marsh            |                                                                                |                              |                  |
| STREAM COVER<br><input checked="" type="checkbox"/> Dense <input type="checkbox"/> Partly Open <input type="checkbox"/> Open                                                                                                                                                                                                                                                                                                                                                            |                       |                          |                                                                                                                           |        | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor |                              |                                                                                |                              |                  |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Light <input type="checkbox"/> None                                                                                                                                                                                                                                                                                                                                  |                       |                          |                                                                                                                           |        | DAMS<br>Man-made                                                                                                                                       |                              | Number<br>None                                                                 | Height                       | Pool Area Above  |
| BANK HEIGHTS<br>1 - 2 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                          |                                                                                                                           |        | Beaver (active)                                                                                                                                        |                              | "                                                                              |                              |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                          |                                                                                                                           |        | Beaver (inactive)                                                                                                                                      |                              | "                                                                              |                              |                  |
| REMARKS<br>Suckers & sculpin present. Shocker efficiency poor due to above normal water, dark water and rapid water. Trout captured all appeared very heavy for their length. Approx. +50' up from gravel road is an old dump site (no longer in use). Stream in flood condition goes over its banks. Additional 130 yds. found stream to be generally the same. Trout were present. Observed an additional (use back of sheet for additional remarks) 12 trout that were not captured. |                       |                          |                                                                                                                           |        |                                                                                                                                                        |                              |                                                                                |                              |                  |
| DATE OF SURVEY<br>August 21, 1968                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                          |                                                                                                                           |        | INVESTIGATOR<br>J. A. Smith - J. A. Niebuhr (over)                                                                                                     |                              |                                                                                |                              |                  |

STATION FISH SAMPLING SUMMARY

|                              |                    |                  |                    |                                             |                     |                        |
|------------------------------|--------------------|------------------|--------------------|---------------------------------------------|---------------------|------------------------|
| Fisher Creek Florence County |                    |                  |                    | INVESTIGATOR<br>J. A. Smith - J. A. Niebuhr |                     |                        |
| Area Sampled:                | LENGTH<br>567 feet | WIDTH<br>11 feet | AREA<br>.143 acres | STATION NO.<br>6                            | NO. PER ACRE<br>168 | DATE<br>August 21, 196 |

| SIZE RANGE              | SPECIES     |  |  |  |  |  |
|-------------------------|-------------|--|--|--|--|--|
|                         | Brook trout |  |  |  |  |  |
| 1                       |             |  |  |  |  |  |
| 1.0 - 1.4               |             |  |  |  |  |  |
| 1.5 - 1.9               |             |  |  |  |  |  |
| 2.0 - 2.4               |             |  |  |  |  |  |
| 2.5 - 2.9               | 8           |  |  |  |  |  |
| 3.0 - 3.4               | 4           |  |  |  |  |  |
| 3.5 - 3.9               |             |  |  |  |  |  |
| 4.0 - 4.4               |             |  |  |  |  |  |
| 4.5 - 4.9               |             |  |  |  |  |  |
| 5.0 - 5.4               |             |  |  |  |  |  |
| 5.5 - 5.9               | 2           |  |  |  |  |  |
| 6.0 - 6.4               | 2           |  |  |  |  |  |
| 6.5 - 6.9               | 3           |  |  |  |  |  |
| 7.0 - 7.4               | 5           |  |  |  |  |  |
| 7.5 - 7.9               |             |  |  |  |  |  |
| 8.0 - 8.4               |             |  |  |  |  |  |
| 8.5 - 8.9               |             |  |  |  |  |  |
| 9.0 - 9.4               |             |  |  |  |  |  |
| 9.5 - 9.9               |             |  |  |  |  |  |
| 10.0 - 10.4             |             |  |  |  |  |  |
| 10.5 - 10.9             |             |  |  |  |  |  |
| 11.0 - 11.4             |             |  |  |  |  |  |
| 11.5 - 11.9             |             |  |  |  |  |  |
| 12.0 - 12.4             |             |  |  |  |  |  |
| 12.5 - 12.9             |             |  |  |  |  |  |
| 13.0 - 13.4             |             |  |  |  |  |  |
| 13.5 - 13.9             |             |  |  |  |  |  |
| 14.0 - 14.4             |             |  |  |  |  |  |
| 14.5 - 14.9             |             |  |  |  |  |  |
| 15.0 - 15.4             |             |  |  |  |  |  |
| 15.5 - 15.9             |             |  |  |  |  |  |
| 16.0 - 16.4             |             |  |  |  |  |  |
| 16.5 - 16.9             |             |  |  |  |  |  |
| 17.0 - 17.4             |             |  |  |  |  |  |
| 17.5 - 17.9             |             |  |  |  |  |  |
| 18.0 - 18.4             |             |  |  |  |  |  |
| 18.5 - 18.9             |             |  |  |  |  |  |
| 19.0 - 19.4             |             |  |  |  |  |  |
| 19.5 - 19.9             |             |  |  |  |  |  |
| 20.0 - 20.4             |             |  |  |  |  |  |
| 20.5 - 20.9             |             |  |  |  |  |  |
| 21.0 - 21.4             |             |  |  |  |  |  |
| 21.5 - 21.9             |             |  |  |  |  |  |
| 22.0 - 22.4             |             |  |  |  |  |  |
| 22.5 - 22.9             |             |  |  |  |  |  |
| 23.0 - 23.4             |             |  |  |  |  |  |
| 23.5 - 23.9             |             |  |  |  |  |  |
| 24.0 - 24.4             |             |  |  |  |  |  |
| 24.5 - 24.9             |             |  |  |  |  |  |
| 25 + (give actual size) |             |  |  |  |  |  |
| TOTAL                   | 24          |  |  |  |  |  |

# STREAM SURVEY STATION REPORT

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

FI-242

|                                                                                                                                                                            |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------|--------|-----------------|
| NAME OF STREAM<br>Fisher Creek                                                                                                                                             |                            |                          | Survey Station<br>No. 7                                                                                                   |                                              | POINT OF EXAMINATION<br>Upstream from a point 675' east of<br>Hyway "2" and "141" NW 1/4 - NW 1/4 of section 27.                                                  |                                                                                  |                 |        |                 |
| COUNTY<br>Florence                                                                                                                                                         |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
| Township<br>40N                                                                                                                                                            | Range<br>18E               | Section<br>27            | Distance Sampled<br>(ft.)<br>675                                                                                          | GEAR USED<br>Back pack shocker 120 volt A.C. |                                                                                                                                                                   |                                                                                  |                 |        |                 |
| Avg. Width<br>(ft.)<br>13                                                                                                                                                  | Avg. Depth<br>(ft.)<br>1/2 | Vol. of Flow<br>(c.f.s.) | VELOCITY<br><input type="checkbox"/> Sluggish <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Rapid |                                              |                                                                                                                                                                   | Max. Flood Crest<br>(ft.)<br>2 1/4                                               |                 |        |                 |
| WATER<br>Dark Brown<br><input type="checkbox"/> Clear <input checked="" type="checkbox"/> Stained/ <input type="checkbox"/> Dirty                                          |                            |                          | CONDUCTANCE<br>C <sub>f</sub> 230 T <sub>1</sub> 84°F K.91<br>C <sub>77</sub> 209 77 70°F Water 70°F Air 3:00 p.m.        |                                              | pH<br>7.1<br>Cl 8 ppm                                                                                                                                             |                                                                                  | M.P.A.<br>69 pp |        |                 |
| WATER LEVEL CONDITIONS<br>.....In. Below .....Normal 2-3 In. Above                                                                                                         |                            |                          | PRIOR WEATHER CONDITIONS<br>Moderate rain for 2 days                                                                      |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
| POLLUTION<br>None observed                                                                                                                                                 |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan .....5.....Boulder .....20.....Rubble .....25.....Gravel<br>.....40.....Sand .....10.....Silt .....Marl .....Detritus |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   | POOL GRADE<br>C & B Common A present<br>POOL-RIFFLE RATIO<br>40% flat 60% riffle |                 |        |                 |
| AQUATIC VEGETATION (Species)<br>None observed                                                                                                                              |                            | Abund.                   | AQUATIC VEGETATION (Species)                                                                                              |                                              | Abund.                                                                                                                                                            | AQUATIC VEGETATION (Species)                                                     |                 | Abund. |                 |
|                                                                                                                                                                            |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
|                                                                                                                                                                            |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
|                                                                                                                                                                            |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
| STREAM COVER                                                                                                                                                               | Scarce                     | Common                   | Abundant                                                                                                                  | Stable                                       | Unstable                                                                                                                                                          | AQUATIC LIFE                                                                     | Scarce          | Common | Abundant        |
| Undercut banks                                                                                                                                                             |                            | x                        |                                                                                                                           | x                                            | x                                                                                                                                                                 | Stonefly                                                                         |                 | x      |                 |
| Rocks, boulders                                                                                                                                                            | x                          |                          |                                                                                                                           | x                                            |                                                                                                                                                                   | Mayfly                                                                           |                 | x      |                 |
| Logs, trees                                                                                                                                                                |                            | x                        |                                                                                                                           | x                                            | x                                                                                                                                                                 | Caddisfly                                                                        |                 |        | x               |
| Debris                                                                                                                                                                     |                            | x                        |                                                                                                                           |                                              | x                                                                                                                                                                 | Shrimp                                                                           | None observed   |        |                 |
| Aquatic Vegetation                                                                                                                                                         | None                       |                          |                                                                                                                           |                                              |                                                                                                                                                                   | Crayfish                                                                         | x               |        |                 |
| STREAM BANK VEGETATION                                                                                                                                                     |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
| .....% Cultivated                                                                                                                                                          |                            |                          | 50.....% Upland Hardwood                                                                                                  |                                              |                                                                                                                                                                   | .....% Swamp Conifer                                                             |                 |        |                 |
| .....% Firm Pasture                                                                                                                                                        |                            |                          | 50.....% Upland Conifer                                                                                                   |                                              |                                                                                                                                                                   | .....% Shrub Marsh                                                               |                 |        |                 |
| .....% Meadow Pasture                                                                                                                                                      |                            |                          | .....% Swamp Hardwood                                                                                                     |                                              |                                                                                                                                                                   | .....% Open Marsh                                                                |                 |        |                 |
| STREAM COVER<br><input checked="" type="checkbox"/> Dense <input type="checkbox"/> Partly Open <input type="checkbox"/> Open                                               |                            |                          |                                                                                                                           |                                              | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor |                                                                                  |                 |        |                 |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input type="checkbox"/> Light <input checked="" type="checkbox"/> None                     |                            |                          |                                                                                                                           |                                              | DAMS<br>Man-made                                                                                                                                                  |                                                                                  | Number<br>None  | Height | Pool Area Above |
| BANK HEIGHTS<br>1 - 2 feet                                                                                                                                                 |                            |                          |                                                                                                                           |                                              | Beaver (active)                                                                                                                                                   |                                                                                  | "               |        |                 |
|                                                                                                                                                                            |                            |                          |                                                                                                                           |                                              | Beaver (inactive)                                                                                                                                                 |                                                                                  | "               |        |                 |
| REMARKS<br>Stream appeared to be better trout water than shocker revealed. Fishing pressure early in spring. Stream stocked with brook trout just above this station.      |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
| (use back of sheet for additional remarks)                                                                                                                                 |                            |                          |                                                                                                                           |                                              |                                                                                                                                                                   |                                                                                  |                 |        |                 |
| DATE OF SURVEY<br>August 21, 1968                                                                                                                                          |                            |                          |                                                                                                                           |                                              | INVESTIGATOR<br>J. A. Smith - J. A. Niebuhr                                                                                                                       |                                                                                  |                 |        |                 |

STATION FISH SAMPLING SUMMARY

|                                        |                    |                  |                    |                                               |                    |                         |
|----------------------------------------|--------------------|------------------|--------------------|-----------------------------------------------|--------------------|-------------------------|
| STREAM<br>Fisher Creek Florence County |                    |                  |                    | INVESTIGATOR<br>J. A. Smith - M J. A. Niebuhr |                    |                         |
| Area Sampled:                          | LENGTH<br>675 feet | WIDTH<br>13 feet | AREA<br>.201 acres | STATION NO.<br>7                              | NO. PER ACRE<br>10 | DATE<br>August 21, 1968 |

| SIZE RANGE              | SPECIES     |  |  |  |  |  |
|-------------------------|-------------|--|--|--|--|--|
| 1                       | Brook trout |  |  |  |  |  |
| 1.0 - 1.4               |             |  |  |  |  |  |
| 1.5 - 1.9               |             |  |  |  |  |  |
| 2.0 - 2.4               | 1           |  |  |  |  |  |
| 2.5 - 2.9               | 1           |  |  |  |  |  |
| 3.0 - 3.4               |             |  |  |  |  |  |
| 3.5 - 3.9               |             |  |  |  |  |  |
| 4.0 - 4.4               |             |  |  |  |  |  |
| 4.5 - 4.9               |             |  |  |  |  |  |
| 5.0 - 5.4               |             |  |  |  |  |  |
| 5.5 - 5.9               |             |  |  |  |  |  |
| 6.0 - 6.4               |             |  |  |  |  |  |
| 6.5 - 6.9               |             |  |  |  |  |  |
| 7.0 - 7.4               |             |  |  |  |  |  |
| 7.5 - 7.9               |             |  |  |  |  |  |
| 8.0 - 8.4               |             |  |  |  |  |  |
| 8.5 - 8.9               |             |  |  |  |  |  |
| 9.0 - 9.4               |             |  |  |  |  |  |
| 9.5 - 9.9               |             |  |  |  |  |  |
| 10.0 - 10.4             |             |  |  |  |  |  |
| 10.5 - 10.9             |             |  |  |  |  |  |
| 11.0 - 11.4             |             |  |  |  |  |  |
| 11.5 - 11.9             |             |  |  |  |  |  |
| 12.0 - 12.4             |             |  |  |  |  |  |
| 12.5 - 12.9             |             |  |  |  |  |  |
| 13.0 - 13.4             |             |  |  |  |  |  |
| 13.5 - 13.9             |             |  |  |  |  |  |
| 14.0 - 14.4             |             |  |  |  |  |  |
| 14.5 - 14.9             |             |  |  |  |  |  |
| 15.0 - 15.4             |             |  |  |  |  |  |
| 15.5 - 15.9             |             |  |  |  |  |  |
| 16.0 - 16.4             |             |  |  |  |  |  |
| 16.5 - 16.9             |             |  |  |  |  |  |
| 17.0 - 17.4             |             |  |  |  |  |  |
| 17.5 - 17.9             |             |  |  |  |  |  |
| 18.0 - 18.4             |             |  |  |  |  |  |
| 18.5 - 18.9             |             |  |  |  |  |  |
| 19.0 - 19.4             |             |  |  |  |  |  |
| 19.5 - 19.9             |             |  |  |  |  |  |
| 20.0 - 20.4             |             |  |  |  |  |  |
| 20.5 - 20.9             |             |  |  |  |  |  |
| 21.0 - 21.4             |             |  |  |  |  |  |
| 21.5 - 21.9             |             |  |  |  |  |  |
| 22.0 - 22.4             |             |  |  |  |  |  |
| 22.5 - 22.9             |             |  |  |  |  |  |
| 23.0 - 23.4             |             |  |  |  |  |  |
| 23.5 - 23.9             |             |  |  |  |  |  |
| 24.0 - 24.4             |             |  |  |  |  |  |
| 24.5 - 24.9             |             |  |  |  |  |  |
| 25 + (give actual size) |             |  |  |  |  |  |
| TOTAL                   | 2           |  |  |  |  |  |

# STREAM SURVEY STATION REPORT

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

FI-242

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                          |                                                                                                                           |        |                                                                                                                                                        |                                           |                                                                                 |                                     |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------|------------------|
| NAME OF STREAM<br>Fisher Creek                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                          | Survey Station<br>No. <u>8</u>                                                                                            |        | POINT OF EXAMINATION<br>Upstream from Hyway "2" and "141" to Fisher Lake Section 27 and 28.                                                            |                                           |                                                                                 |                                     |                  |
| COUNTY<br>Florence                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                         |                          |                                                                                                                           |        |                                                                                                                                                        |                                           |                                                                                 |                                     |                  |
| Township<br>40N                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Range<br>18E            | Section<br>27 and 28     | Distance Sampled<br>(ft.) 1,003                                                                                           |        | GEAR USED<br>Back pack shocker 120 volt A. C.                                                                                                          |                                           |                                                                                 |                                     |                  |
| Avg. Width<br>(ft.) 9                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Avg. Depth<br>(ft.) 1/2 | Vol. of Flow<br>(c.f.s.) | VELOCITY<br><input type="checkbox"/> Sluggish <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Rapid |        |                                                                                                                                                        |                                           |                                                                                 | Max. Flood Crest<br>(ft.) 1 1/2 - 2 |                  |
| WATER<br>dark brown<br><input type="checkbox"/> Clear <input checked="" type="checkbox"/> Stained/ <input type="checkbox"/> Dirty                                                                                                                                                                                                                                                                                                                                                   |                         |                          | CONDUCTANCE<br>C <sub>f</sub> .....<br>C <sub>77</sub> 200                                                                |        | TEMPERATURE<br>C <sub>1</sub> 220 T <sub>1</sub> 84°F K .91 (Aug. 22, 1968)<br>75°F Water 83°F Air 12:15 P.M. Time                                     |                                           |                                                                                 | pH<br>7.1<br>Cl 7 1/2 ppm           | M.P.A.<br>66 ppm |
| WATER LEVEL CONDITIONS<br>.....In. Below .....Normal <u>1-2</u> In. Above                                                                                                                                                                                                                                                                                                                                                                                                           |                         |                          | PRIOR WEATHER CONDITIONS<br>Moderate rain past 2 days                                                                     |        |                                                                                                                                                        |                                           |                                                                                 |                                     |                  |
| POLLUTION<br>May be light near Town of Florence                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                          |                                                                                                                           |        |                                                                                                                                                        |                                           |                                                                                 |                                     |                  |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan <u>1</u> .....Boulder <u>1</u> .....Rubble <u>8</u> .....Gravel<br><u>60</u> .....Sand <u>30</u> .....Silt .....Marl .....Detritus                                                                                                                                                                                                                                                                                             |                         |                          |                                                                                                                           |        |                                                                                                                                                        |                                           | POOL GRADE<br>B Common A & C present<br>POOL-RIFFLE RATIO<br>99% flat 1% riffle |                                     |                  |
| AQUATIC VEGETATION (Species)<br>Chara                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         | Abund.<br>P              | AQUATIC VEGETATION (Species)<br>Fresh water sponge                                                                        |        | Abund.<br>P                                                                                                                                            | AQUATIC VEGETATION (Species)<br>Najas sp. |                                                                                 | Abund.                              |                  |
| Myriophyllum                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                         | P                        | Potamogeton gramineus                                                                                                     |        | P                                                                                                                                                      |                                           |                                                                                 |                                     |                  |
| Sparganium                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                         | P                        | Sagittaria                                                                                                                |        | P                                                                                                                                                      |                                           |                                                                                 |                                     |                  |
| STREAM COVER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Scarce                  | Common                   | Abundant                                                                                                                  | Stable | Unstable                                                                                                                                               | AQUATIC LIFE                              | Scarce                                                                          | Common                              | Abundant         |
| Undercut banks                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | x                       |                          |                                                                                                                           | x      | x                                                                                                                                                      | Stonefly                                  | x                                                                               |                                     |                  |
| Rocks, boulders                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | x                       |                          |                                                                                                                           | x      |                                                                                                                                                        | Mayfly                                    | None observed                                                                   |                                     |                  |
| Logs, trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         | x                        |                                                                                                                           | x      |                                                                                                                                                        | Caddisfly                                 | x                                                                               |                                     |                  |
| Debris                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | x                       |                          |                                                                                                                           | x      | x                                                                                                                                                      | Shrimp                                    | None observed                                                                   |                                     |                  |
| Aquatic Vegetation                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | x                       |                          |                                                                                                                           | x      |                                                                                                                                                        | Crayfish                                  | None observed                                                                   |                                     |                  |
| STREAM BANK VEGETATION                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         |                          |                                                                                                                           |        |                                                                                                                                                        |                                           |                                                                                 |                                     |                  |
| .....% Cultivated                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                          | 60.....% Upland Hardwood                                                                                                  |        |                                                                                                                                                        | .....% Swamp Conifer                      |                                                                                 |                                     |                  |
| .....% Firm Pasture                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                         |                          | 40.....% Upland Conifer                                                                                                   |        |                                                                                                                                                        | .....% Shrub Marsh                        |                                                                                 |                                     |                  |
| .....% Meadow Pasture                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                         |                          | .....% Swamp Hardwood                                                                                                     |        |                                                                                                                                                        | .....% Open Marsh                         |                                                                                 |                                     |                  |
| STREAM COVER<br><input type="checkbox"/> Dense <input checked="" type="checkbox"/> Partly Open <input type="checkbox"/> Open                                                                                                                                                                                                                                                                                                                                                        |                         |                          |                                                                                                                           |        | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor |                                           |                                                                                 |                                     |                  |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Light <input type="checkbox"/> None                                                                                                                                                                                                                                                                                                                              |                         |                          |                                                                                                                           |        | DAMS<br>Man-made                                                                                                                                       |                                           | Number<br>None                                                                  | Height                              | Pool Area Above  |
| BANK HEIGHTS<br><br>1 - 2 feet                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                          |                                                                                                                           |        | Beaver (active)                                                                                                                                        |                                           | "                                                                               |                                     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                         |                          |                                                                                                                           |        | Beaver (inactive)                                                                                                                                      |                                           | "                                                                               |                                     |                  |
| REMARKS<br>No trout captured or observed. Suckers, dace, sculpin, shiners and bluegills present. 300 legal brook trout planted at this station the spring of this year; none recovered. The braided channel to the north near the ranger station was not shocked. Temperatures & lack of food appear to be limiting factor at this station. Erosion taking place near both road crossing debris & junk in stream just (use back of sheet for additional remarks) below Fisher Lake. |                         |                          |                                                                                                                           |        |                                                                                                                                                        |                                           |                                                                                 |                                     |                  |
| DATE OF SURVEY<br>August 21, 1968                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                         |                          |                                                                                                                           |        | INVESTIGATOR<br>J. A. Smith - J. A. Niebuhr                                                                                                            |                                           |                                                                                 |                                     |                  |

# STREAM SURVEY STATION REPORT

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF CONSERVATION  
Box 450  
Madison, Wisconsin 53701

FI-242

|                                                                                                                                                                                                                                                                                                                                    |                            |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| NAME OF STREAM<br>Fisher Creek                                                                                                                                                                                                                                                                                                     |                            | Survey Station<br>No. 9                                        |                                                                                                                                                        | POINT OF EXAMINATION<br>From Fisher Lake to Quinesec Rd<br>NE 1/4 - NW 1/4 of Section 28 |                                                                              |
| COUNTY<br>Florence                                                                                                                                                                                                                                                                                                                 |                            |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| Township<br>40N                                                                                                                                                                                                                                                                                                                    | Range<br>18E               | Section<br>28                                                  | Distance Sampled<br>(ft.)<br>800                                                                                                                       | GEAR USED<br>Back pack shocker 120 volt A.C.                                             |                                                                              |
| Avg. Width<br>(ft.)<br>8                                                                                                                                                                                                                                                                                                           | Avg. Depth<br>(ft.)<br>1/2 | Vol. of Flow<br>(c.f.s.)                                       | VELOCITY<br><input type="checkbox"/> Sluggish <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Rapid                              |                                                                                          | Max. Flood Crest<br>(ft.)<br>2 - 2 1/2                                       |
| WATER<br>dark brown<br><input type="checkbox"/> Clear <input checked="" type="checkbox"/> Stained/ <input type="checkbox"/> Dirty                                                                                                                                                                                                  |                            | CONDUCTANCE<br>C <sub>f</sub><br>200 C <sub>77</sub>           | TEMPERATURE<br>C <sub>1</sub> 220 T <sub>1</sub> 84°F K .91<br>62°F Water 75°F Air 1:00 P.m. Time                                                      |                                                                                          | pH<br>6.9<br>Cl 6 ppm M.P.A.<br>76                                           |
| WATER LEVEL CONDITIONS<br>.....In. Below .....Normal 1-2 In. Above                                                                                                                                                                                                                                                                 |                            | PRIOR WEATHER CONDITIONS<br>Moderate rain short period of time |                                                                                                                                                        |                                                                                          |                                                                              |
| POLLUTION<br>May be light at this point                                                                                                                                                                                                                                                                                            |                            |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| STREAM BOTTOM TYPES (%)<br>.....Bedrock .....Hardpan .....Boulder .....Rubble .....Gravel<br>.....Sand .....Silt .....Marl .....Detritus                                                                                                                                                                                           |                            |                                                                |                                                                                                                                                        |                                                                                          | POOL GRADE<br>C Common B present<br>POOL-RIFFLE RATIO<br>80% flat 20% riffle |
| AQUATIC VEGETATION (Species)<br>Green Algae                                                                                                                                                                                                                                                                                        | Abund.<br>P                | AQUATIC VEGETATION (Species)                                   | Abund.                                                                                                                                                 | AQUATIC VEGETATION (Species)                                                             | Abund.                                                                       |
| INSTREAM COVER                                                                                                                                                                                                                                                                                                                     |                            |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| Undercut banks                                                                                                                                                                                                                                                                                                                     | Scarce<br>X                | Common                                                         | Abundant                                                                                                                                               | Stable<br>X                                                                              | Unstable                                                                     |
| Rocks, boulders                                                                                                                                                                                                                                                                                                                    |                            | X                                                              |                                                                                                                                                        | X                                                                                        |                                                                              |
| Logs, trees                                                                                                                                                                                                                                                                                                                        | X                          |                                                                |                                                                                                                                                        | X                                                                                        |                                                                              |
| Debris                                                                                                                                                                                                                                                                                                                             |                            | X                                                              |                                                                                                                                                        | X                                                                                        | X                                                                            |
| Aquatic Vegetation                                                                                                                                                                                                                                                                                                                 | X                          |                                                                |                                                                                                                                                        | X                                                                                        |                                                                              |
| AQUATIC LIFE                                                                                                                                                                                                                                                                                                                       |                            |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| Stonefly                                                                                                                                                                                                                                                                                                                           | Scarce<br>None observed    | Common                                                         | Abundant                                                                                                                                               | Stable                                                                                   | Unstable                                                                     |
| Mayfly                                                                                                                                                                                                                                                                                                                             | None observed              |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| Caddisfly                                                                                                                                                                                                                                                                                                                          |                            | X                                                              |                                                                                                                                                        |                                                                                          |                                                                              |
| Shrimp                                                                                                                                                                                                                                                                                                                             | None observed              |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| Crayfish                                                                                                                                                                                                                                                                                                                           | None observed              |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| STREAM BANK VEGETATION                                                                                                                                                                                                                                                                                                             |                            |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| .....% Cultivated                                                                                                                                                                                                                                                                                                                  |                            | *100% Upland Hardwood                                          |                                                                                                                                                        | .....% Swamp Conifer                                                                     |                                                                              |
| .....% Firm Pasture                                                                                                                                                                                                                                                                                                                |                            | .....% Upland Conifer                                          |                                                                                                                                                        | .....% Shrub Marsh                                                                       |                                                                              |
| .....% Meadow Pasture                                                                                                                                                                                                                                                                                                              |                            | .....% Swamp Hardwood                                          |                                                                                                                                                        | .....% Open Marsh                                                                        |                                                                              |
| STREAM COVER<br><input type="checkbox"/> Dense <input checked="" type="checkbox"/> Partly Open <input type="checkbox"/> Open                                                                                                                                                                                                       |                            |                                                                | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor |                                                                                          |                                                                              |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input type="checkbox"/> Light <input checked="" type="checkbox"/> None                                                                                                                                                                             |                            |                                                                | DAMS<br>Man-made                                                                                                                                       | Number<br>None                                                                           | Height<br>Pool Area Above                                                    |
| BANK HEIGHTS<br>1 - 10 feet                                                                                                                                                                                                                                                                                                        |                            |                                                                | Beaver (active)                                                                                                                                        | "                                                                                        |                                                                              |
|                                                                                                                                                                                                                                                                                                                                    |                            |                                                                | Beaver (inactive)                                                                                                                                      | "                                                                                        |                                                                              |
| REMARKS<br>No trout observed or captured. Sculpin common, white sucker, dace and creek chubs present.<br>Water had a slight odor at this station. Kids have thrown much junk into water.<br>* Stream courses through residential area comprised of upland hardwood, open field, mowed yard and some tag alders that have been cut. |                            |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| (use back of sheet for additional remarks)                                                                                                                                                                                                                                                                                         |                            |                                                                |                                                                                                                                                        |                                                                                          |                                                                              |
| DATE OF SURVEY<br>August 20, 1968                                                                                                                                                                                                                                                                                                  |                            |                                                                | INVESTIGATOR<br>J. A. Smith - J. A. Niebuhr                                                                                                            |                                                                                          |                                                                              |

# STREAM SURVEY STATION REPORT

DEPARTMENT OF NATURAL RESOURCES  
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Box 450  
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FI-242

|                                                                                                                                                                                                                                            |                     |                                |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------|----------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------|----------------------------------------|-----------------|---------------|
| NAME OF STREAM<br><b>Fisher Creek</b>                                                                                                                                                                                                      |                     |                                | Survey Station<br>No. <b>10</b>                                |          | POINT OF EXAMINATION<br>Upstream from Highway "70" & "101". NE 1/4-NE 1/4 of Section 29.                                                               |                                                    |                                                 |                                        |                 |               |
| COUNTY<br><b>Florence</b>                                                                                                                                                                                                                  |                     |                                |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| Township<br><b>40N</b>                                                                                                                                                                                                                     | Range<br><b>18E</b> | Section<br><b>29</b>           | Distance Sampled (ft.)<br><b>350</b>                           |          | GEAR USED<br><b>Back pack shocker - 120 V. AC</b>                                                                                                      |                                                    |                                                 |                                        |                 |               |
| Avg. Width (ft.)<br><b>6 1/2</b>                                                                                                                                                                                                           |                     | Avg. Depth (ft.)<br><b>1/3</b> | Vol. of Flow (c.f.s.)                                          |          | VELOCITY<br><input type="checkbox"/> Sluggish <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Rapid                              |                                                    |                                                 | Max. Flood Crest (ft.)<br><b>2 1/2</b> |                 |               |
| WATER<br><b>Dark brown</b><br><input type="checkbox"/> Clear <input checked="" type="checkbox"/> Stained <input type="checkbox"/> Dirty                                                                                                    |                     |                                | CONDUCTANCE<br><b>173</b> C <sub>f</sub> 77                    |          | TEMPERATURE<br>C <sub>1</sub> -190, T <sub>1</sub> -84°F, K-.91<br><b>60°F</b> Water <b>74°F</b> Air                                                   |                                                    |                                                 | pH<br><b>6.5</b>                       |                 | M.P.A.        |
|                                                                                                                                                                                                                                            |                     |                                |                                                                |          | <b>2:20 p.m.</b>                                                                                                                                       |                                                    |                                                 | Cl - 5 ppm                             |                 | <b>60</b> ppm |
| WATER LEVEL CONDITIONS<br>.....In. Below .....Normal .....In. Above                                                                                                                                                                        |                     |                                | PRIOR WEATHER CONDITIONS<br><b>Moderate rain past two days</b> |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| POLLUTION<br><b>None observed.</b>                                                                                                                                                                                                         |                     |                                |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| STREAM BOTTOM TYPES (%)                                                                                                                                                                                                                    |                     |                                |                                                                |          |                                                                                                                                                        |                                                    | POOL GRADE<br><b>"C" &amp; "B" common</b>       |                                        |                 |               |
| .....Bedrock .....Hardpan .....Boulder .....Rubble .....Gravel                                                                                                                                                                             |                     |                                |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| .....Sand .....Silt .....Marl .....Detritus                                                                                                                                                                                                |                     |                                |                                                                |          |                                                                                                                                                        |                                                    | POOL-RIFFLE RATIO<br><b>99% flat, 1% riffle</b> |                                        |                 |               |
| AQUATIC VEGETATION (Species)                                                                                                                                                                                                               |                     | Abund.                         | AQUATIC VEGETATION (Species)                                   |          | Abund.                                                                                                                                                 | AQUATIC VEGETATION (Species)                       |                                                 | Abund.                                 |                 |               |
| <b>Sparganium</b>                                                                                                                                                                                                                          |                     | <b>C</b>                       |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| <b>Water starwort</b>                                                                                                                                                                                                                      |                     | <b>P</b>                       |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
|                                                                                                                                                                                                                                            |                     |                                |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| STREAM COVER                                                                                                                                                                                                                               | Scarce              | Common                         | Abundant                                                       | Stable   | Unstable                                                                                                                                               | AQUATIC LIFE                                       |                                                 | Scarce                                 | Common          | Abundant      |
| <b>Undercut banks</b>                                                                                                                                                                                                                      |                     | <b>X</b>                       |                                                                | <b>X</b> | <b>X</b>                                                                                                                                               | <b>Stonefly</b>                                    |                                                 |                                        |                 |               |
| <b>Rocks, boulders</b>                                                                                                                                                                                                                     | <b>None</b>         |                                |                                                                |          |                                                                                                                                                        | <b>Mayfly</b>                                      |                                                 | <b>X</b>                               |                 |               |
| <b>Logs, trees</b>                                                                                                                                                                                                                         |                     | <b>X</b>                       |                                                                | <b>X</b> |                                                                                                                                                        | <b>Caddisfly</b>                                   |                                                 |                                        |                 |               |
| <b>Debris</b>                                                                                                                                                                                                                              |                     | <b>X</b>                       |                                                                | <b>X</b> | <b>X</b>                                                                                                                                               | <b>Shrimp</b>                                      |                                                 |                                        |                 |               |
| <b>Aquatic Vegetation</b>                                                                                                                                                                                                                  |                     | <b>X</b>                       |                                                                | <b>X</b> |                                                                                                                                                        | <b>Crayfish</b>                                    |                                                 |                                        |                 |               |
| STREAM BANK VEGETATION                                                                                                                                                                                                                     |                     |                                |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| .....% Cultivated                                                                                                                                                                                                                          |                     |                                | .....% Upland Hardwood                                         |          |                                                                                                                                                        | .....% Swamp Conifer                               |                                                 |                                        |                 |               |
| .....% Firm Pasture                                                                                                                                                                                                                        |                     |                                | .....% Upland Conifer                                          |          |                                                                                                                                                        | ..... <b>80</b> .....% Shrub <del>Wet</del> Meadow |                                                 |                                        |                 |               |
| .....% Meadow Pasture                                                                                                                                                                                                                      |                     |                                | <b>20</b> .....% Swamp Hardwood                                |          |                                                                                                                                                        | .....% Open Marsh                                  |                                                 |                                        |                 |               |
| STREAM COVER<br><input checked="" type="checkbox"/> Dense <input type="checkbox"/> Partly Open <input type="checkbox"/> Open                                                                                                               |                     |                                |                                                                |          | FISHABILITY<br><input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor |                                                    |                                                 |                                        |                 |               |
| BANK EROSION<br><input type="checkbox"/> Heavy <input type="checkbox"/> Medium <input type="checkbox"/> Light <input checked="" type="checkbox"/> None                                                                                     |                     |                                |                                                                |          | DAMS<br>Man-made                                                                                                                                       |                                                    | Number<br><b>None</b>                           | Height                                 | Pool Area Above |               |
| <b>1-2'</b>                                                                                                                                                                                                                                |                     |                                |                                                                |          | Beaver (active)                                                                                                                                        |                                                    | <b>"</b>                                        |                                        |                 |               |
|                                                                                                                                                                                                                                            |                     |                                |                                                                |          | Beaver (inactive)                                                                                                                                      |                                                    | <b>"</b>                                        |                                        |                 |               |
|                                                                                                                                                                                                                                            |                     |                                |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| REMARKS <b>Appears to be light fishing pressure. Very old beaver sign present. Local information - fair trout fishing in the spring and fall. Bench Mark - Upstream side, south culvert from bottom and center to water surface 34.5".</b> |                     |                                |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| (use back of sheet for additional remarks)                                                                                                                                                                                                 |                     |                                |                                                                |          |                                                                                                                                                        |                                                    |                                                 |                                        |                 |               |
| DATE OF SURVEY<br><b>August 21, 1968</b>                                                                                                                                                                                                   |                     |                                |                                                                |          | INVESTIGATOR<br><b>J. A. Smith</b>                                                                                                                     |                                                    |                                                 |                                        |                 |               |

STATION FISH SAMPLING SUMMARY

|                                         |                |              |                 |                                               |                    |                         |
|-----------------------------------------|----------------|--------------|-----------------|-----------------------------------------------|--------------------|-------------------------|
| STREAM<br>Fisher Creek, Florence County |                |              |                 | INVESTIGATOR<br>J. A. Smith and J. A. Niebuhr |                    |                         |
| Area Sampled:                           | LENGTH<br>675' | WIDTH<br>6½' | AREA<br>.1 acre | STATION NO.<br>10                             | NO. PER ACRE<br>10 | DATE<br>August 21, 1968 |
| SIZE RANGE                              | SPECIES        |              |                 |                                               |                    |                         |
|                                         | Brook trout    |              |                 |                                               |                    |                         |
| 1                                       |                |              |                 |                                               |                    |                         |
| 1.0 - 1.4                               |                |              |                 |                                               |                    |                         |
| 1.5 - 1.9                               |                |              |                 |                                               |                    |                         |
| 2.0 - 2.4                               |                |              |                 |                                               |                    |                         |
| 2.5 - 2.9                               |                |              |                 |                                               |                    |                         |
| 3.0 - 3.4                               | 1              |              |                 |                                               |                    |                         |
| 3.5 - 3.9                               |                |              |                 |                                               |                    |                         |
| 4.0 - 4.4                               |                |              |                 |                                               |                    |                         |
| 4.5 - 4.9                               |                |              |                 |                                               |                    |                         |
| 5.0 - 5.4                               |                |              |                 |                                               |                    |                         |
| 5.5 - 5.9                               |                |              |                 |                                               |                    |                         |
| 6.0 - 6.4                               |                |              |                 |                                               |                    |                         |
| 6.5 - 6.9                               |                |              |                 |                                               |                    |                         |
| 7.0 - 7.4                               |                |              |                 |                                               |                    |                         |
| 7.5 - 7.9                               |                |              |                 |                                               |                    |                         |
| 8.0 - 8.4                               |                |              |                 |                                               |                    |                         |
| 8.5 - 8.9                               |                |              |                 |                                               |                    |                         |
| 9.0 - 9.4                               |                |              |                 |                                               |                    |                         |
| 9.5 - 9.9                               |                |              |                 |                                               |                    |                         |
| 10.0 - 10.4                             |                |              |                 |                                               |                    |                         |
| 10.5 - 10.9                             |                |              |                 |                                               |                    |                         |
| 11.0 - 11.4                             |                |              |                 |                                               |                    |                         |
| 11.5 - 11.9                             |                |              |                 |                                               |                    |                         |
| 12.0 - 12.4                             |                |              |                 |                                               |                    |                         |
| 12.5 - 12.9                             |                |              |                 |                                               |                    |                         |
| 13.0 - 13.4                             |                |              |                 |                                               |                    |                         |
| 13.5 - 13.9                             |                |              |                 |                                               |                    |                         |
| 14.0 - 14.4                             |                |              |                 |                                               |                    |                         |
| 14.5 - 14.9                             |                |              |                 |                                               |                    |                         |
| 15.0 - 15.4                             |                |              |                 |                                               |                    |                         |
| 15.5 - 15.9                             |                |              |                 |                                               |                    |                         |
| 16.0 - 16.4                             |                |              |                 |                                               |                    |                         |
| 16.5 - 16.9                             |                |              |                 |                                               |                    |                         |
| 17.0 - 17.4                             |                |              |                 |                                               |                    |                         |
| 17.5 - 17.9                             |                |              |                 |                                               |                    |                         |
| 18.0 - 18.4                             |                |              |                 |                                               |                    |                         |
| 18.5 - 18.9                             |                |              |                 |                                               |                    |                         |
| 19.0 - 19.4                             |                |              |                 |                                               |                    |                         |
| 19.5 - 19.9                             |                |              |                 |                                               |                    |                         |
| 20.0 - 20.4                             |                |              |                 |                                               |                    |                         |
| 20.5 - 20.9                             |                |              |                 |                                               |                    |                         |
| 21.0 - 21.4                             |                |              |                 |                                               |                    |                         |
| 21.5 - 21.9                             |                |              |                 |                                               |                    |                         |
| 22.0 - 22.4                             |                |              |                 |                                               |                    |                         |
| 22.5 - 22.9                             |                |              |                 |                                               |                    |                         |
| 23.0 - 23.4                             |                |              |                 |                                               |                    |                         |
| 23.5 - 23.9                             |                |              |                 |                                               |                    |                         |
| 24.0 - 24.4                             |                |              |                 |                                               |                    |                         |
| 24.5 - 24.9                             |                |              |                 |                                               |                    |                         |
| 25 + (give actual size)                 |                |              |                 |                                               |                    |                         |
| TOTAL                                   | 1              |              |                 |                                               |                    |                         |

STREAM DISCHARGE DATA

|                            |                           |                                              |                     |                      |                       |
|----------------------------|---------------------------|----------------------------------------------|---------------------|----------------------|-----------------------|
| CAM<br><i>Fisher Creek</i> | COUNTY<br><i>Lorraine</i> | LOCATION OF STREAM<br>Township<br><i>40N</i> | Range<br><i>18E</i> | Section<br><i>14</i> | Forty<br><i>SE-NW</i> |
|----------------------------|---------------------------|----------------------------------------------|---------------------|----------------------|-----------------------|

|                                                                                                                                                  |                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| ESTIMATED WATER STAGE IN FEET:<br><input type="checkbox"/> Above<br><input checked="" type="checkbox"/> Normal<br><input type="checkbox"/> Below | REFERENCE POINT FOR LEVELS<br><i>No satisfactory point</i> |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|

|                                                                                              |                                             |
|----------------------------------------------------------------------------------------------|---------------------------------------------|
| CONDITIONS AFFECTING MEASUREMENTS --- Wind, bottom, ice, etc.<br><i>Coarse gravel bottom</i> | TEMPERATURE<br><i>Water 53°F / Air 57°F</i> |
|----------------------------------------------------------------------------------------------|---------------------------------------------|

|                                                                 |                                                                                                            |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| INSTRUMENT --- Name and number<br><i>Surveying Ppny No. 625</i> | EXACT LOCATION OF MEASUREMENT ON STREAM<br><i>80 feet upstream from mouth i.e. junction w/ Beale River</i> |
| OBSERVER<br><i>J. A. Smith, J. A. Niebauer</i>                  | DATE<br><i>Aug. 27, 1968</i>                                                                               |
|                                                                 | TIME OF DAY<br><i>11.15 A.M.</i>                                                                           |

| Distance from Bank Ft. | Depth | Depth of Observation | Revolutions | Time in Seconds | Velocity |                  |                 | Area of Section                 |               |             | Discharge C.F.S. |
|------------------------|-------|----------------------|-------------|-----------------|----------|------------------|-----------------|---------------------------------|---------------|-------------|------------------|
|                        |       |                      |             |                 | At Point | Mean in Vertical | Mean in Section | Area of Section Ft <sup>2</sup> | Mean Depth Ft | Width Ft    |                  |
| .5                     | .20   | .10                  | 20          | 43              | .465     |                  | .233            | .050                            | .100          | .50         | .010             |
| 1.0                    | .20   | .10                  | 25          | 43              | .581     |                  | .523            | .100                            | .200          | .50         | .047             |
| 1.5                    | .25   | .13                  | 20          | 49              | .408     |                  | .495            | .113                            | .225          | .50         | .050             |
| 2.0                    | .30   | .15                  | 30          | 35              | .857     |                  | .633            | .138                            | .275          | .50         | .079             |
| 2.5                    | .40   | .20                  | 40          | 40              | 1.000    |                  | .929            | .175                            | .350          | .50         | .130             |
| 3.0                    | .50   | .25                  | 50          | 45              | 1.111    |                  | 1.056           | .225                            | .450          | .50         | .190             |
| 3.5                    | .50   | .25                  | 60          | 47              | 1.277    |                  | 1.194           | .250                            | .500          | .50         | .239             |
| 4.0                    | .50   | .25                  | 60          | 48              | 1.250    |                  | 1.264           | .250                            | .500          | .50         | .253             |
| 4.5                    | .60   | .30                  | 60          | 44              | 1.364    |                  | 1.307           | .275                            | .550          | .50         | .288             |
| 5.0                    | .60   | .30                  | 61          | 40              | 1.525    |                  | 1.445           | .300                            | .600          | .50         | .347             |
| 5.5                    | .60   | .30                  | 60          | 38              | 1.579    |                  | 1.552           | .300                            | .600          | .50         | .372             |
| 6.0                    | .60   | .30                  | 70          | 39              | 1.795    |                  | 1.687           | .300                            | .600          | .50         | .405             |
| 6.5                    | .60   | .30                  | 70          | 39              | 1.795    |                  | 1.795           | .300                            | .600          | .50         | .431             |
| 7.0                    | .55   | .28                  | 70          | 40              | 1.750    |                  | 1.773           | .288                            | .575          | .50         | .408             |
| 7.5                    | .60   | .30                  | 60          | 39              | 1.538    |                  | 1.644           | .288                            | .575          | .50         | .379             |
| 8.0                    | .60   | .30                  | 60          | 51              | 1.176    |                  | 1.357           | .300                            | .600          | .50         | .324             |
| 8.5                    | .60   | .30                  | 30          | 46              | .652     |                  | .914            | .300                            | .600          | .50         | .219             |
| 9.0                    | .60   | .30                  | 30          | 48              | .625     |                  | .639            | .300                            | .600          | .50         | .153             |
| SUMMARY                |       |                      |             |                 | .998     |                  |                 | 5.18                            | .46           | 11.3        | 4.82             |
| (over)                 |       |                      |             |                 | Mean     |                  |                 | Area of                         | Mean Depth    | Total Width | Discharge        |

