

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
Fisheries Division

Water: Torch Lake

FISH COLLECTION

County: Antrim

T.29N R.8W Sec.4,28

Date:10/21/93-

11/3/93

I.D.-

Sheet 1 of:

Summary of: () All sites () Coll. site No. () All gear () Gear: Trap nets

Sample site(s): Number of- 4 Depth Range- 2-10feet Temp. Range-44-51F

Location(s) (describe or map below):

Cover (abundance,type): Sparse rocks and logs

Fish foods: Small herring, crayfish

Water clarity, level, etc.: Clear and normal

Cond.-

Electro. eff-

preceding- same

Weather: Present- Overcast

Temperature: Air-45F

Water surface-50F

Time of day-noon

Stream: Length-

Avg width-

Avg. depth-

Velocity: Ave.-

Surface-

Discharge-

Bottom type-

Gear Description: Inland trap nets and modified (Great Lakes)

Effort: Net lifts-26

Net nights-44

Area covered-

Hrs. shocked-

Purpose of collection: Assess atlantic salmon population

Data collected (X): () CATCH SUM. (x) LEN.-FREQ. () LEN.-BIOM. () LEN-WT REG.

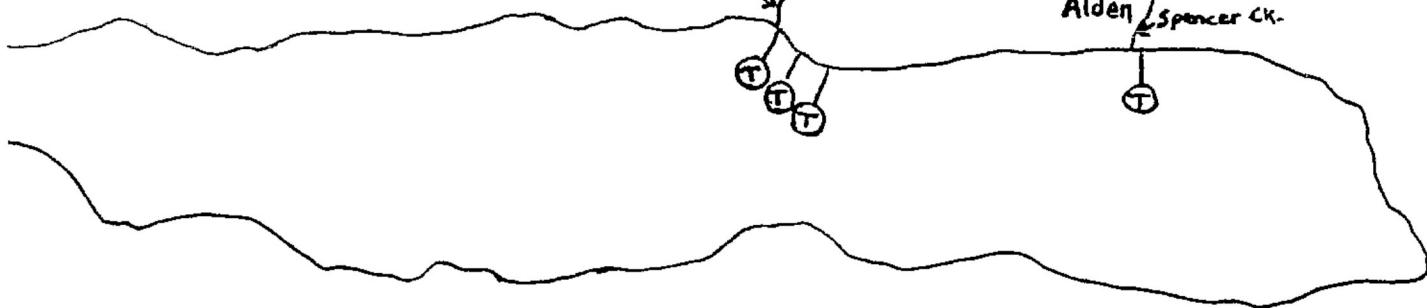
() GROWTH () MARK & RECAP. EST. () AGE-FREQ. & SURVIVAL

Analysis, map, remarks, fishing reports: We were unable to catch large numbers of atlantics as has been done on Gull Lake, Kalamazoo County during the spawning runs. Perhaps targeting the Torch River area would produce better results. There has been a small fishery develop in the lake near the outlet.

← Z

Clam
River

Alden / Spencer Ck.



Analysis by: Borgeson, Hoxie

Sec.-MGT

Collection by: Dist. 5 crew

Sec.-MGT

I.D. by-Hollenbaugh Sec.-MGT

COPIES TO: () LANSING () REGION () DISTRICT () I.F.R. () U.S.F.S.

CATCH SUMMARY BY GEAR

| Species: | Atlantic Salmon | Brown Trout | Rainbow Trout | Lake Trout | Smallmouth Bass | Northern Pike |
|-----------------|-----------------|-------------|---------------|------------|-----------------|---------------|
| Legal Size(in) | 25 | 10 | 10 | 10 | 14 | 24 |
| Avg. Length(in) | 22.6 | 22.4 | 13.5 | 23.0 | 16.5 | 23.5 |
| Avg. Weight(lb) | 4.85 | 6.82 | .65 | 5.38 | 2.50 | 3.10 |

| | No. | Lb. | No. | Lb. | No. | Lb. | No. | Lb. | No. | Lb. | No. | Lb. |
|---------------|-------|-------|--------|-------|--------|-----|--------|------|--------|------|-----|-----|
| Sample Total | 30 | 145.4 | 9 | 61.4 | 2 | 1.3 | 4 | 21.5 | 3 | 7.5 | 1 | 3.1 |
| % Total Catch | 18.1% | 37.8% | 5.4% | 16.0% | 1.2% | .3% | 2.4% | 5.6% | 1.8% | 2.0% | .6% | .8% |
| CPE | 1.2 | 5.6 | .3 | 2.4 | .1 | .1 | .2 | .8 | .1 | .3 | .0 | .1 |
| % Legal Size | 13.3% | | 100.0% | | 100.0% | | 100.0% | | 100.0% | | .0% | |

Inches

| | | | | | | | | | | | | |
|----|---|--|---|--|---|--|---|--|---|--|---|--|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | 1 | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | 1 | | | | | | | | | | | |
| 14 | | | | | | | | | 1 | | | |
| 15 | | | 1 | | 1 | | 1 | | | | | |
| 16 | | | 1 | | | | | | 1 | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | 1 | | | |
| 19 | 2 | | | | | | | | | | | |
| 20 | 2 | | | | | | | | | | | |
| 21 | 5 | | 1 | | | | | | | | | |
| 22 | 4 | | 1 | | | | | | | | | |
| 23 | 8 | | 3 | | | | 1 | | | | 1 | |
| 24 | 4 | | | | | | | | | | | |
| 25 | 4 | | 1 | | | | 1 | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | 1 | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | | | 1 | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---------------|----|--|---|--|---|--|---|--|---|--|---|--|
| Subsamp Total | 30 | | 9 | | 2 | | 4 | | 3 | | 1 | |
|---------------|----|--|---|--|---|--|---|--|---|--|---|--|

Water Net lifts or no. of hr. shocked= 26.0
 Torch Lake All Species Total: Number= 166 Pounds= 384.4
 Antrim County

CATCH SUMMARY BY GEAR

| Species: | Yellow Perch | Rock Bass | Walleye | Cisco | White Sucker |
|-----------------|--------------|-----------|---------|-------|--------------|
| Legal Size(in) | 7 | 6 | 15 | | |
| Avg. Length(in) | 7.5 | 5.4 | 12.5 | 9.9 | 16.6 |
| Avg. Weight(lb) | .45 | .12 | .50 | .24 | 2.08 |

| | No. | Lb. | No. | Lb. | No. | Lb. | No. | Lb. | No. | Lb. | No. | Lb. |
|---------------|-------|-----|-------|-----|-----|-----|-------|------|-------|-------|-----|-----|
| Sample Total | 4 | 1.8 | 24 | 2.8 | 1 | .5 | 24 | 5.7 | 64 | 133.4 | | |
| % Total Catch | 2.4% | .5% | 14.5% | .7% | .6% | .1% | 14.5% | 1.5% | 38.6% | 34.7% | | |
| CPE | .2 | .1 | .9 | .1 | .0 | .0 | .9 | .2 | 2.5 | 5.1 | | |
| % Legal Size | 50.0% | | 37.5% | | .0% | | .0% | | .0% | | | |

Inches

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| 4 | | | 6 | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | 2 | | 5 | | | | | | | | | |
| 7 | 1 | | 1 | | | | | | 1 | | | |
| 8 | | | 1 | | | | | | | | | |
| 9 | 1 | | 1 | | | | 20 | | | | | |
| 10 | | | | | | | 2 | | | | | |
| 11 | | | | | | | 1 | | 4 | | | |
| 12 | | | 1 | | 1 | | | | 3 | | | |
| 13 | | | | | | | | | 3 | | | |
| 14 | | | | | | | 1 | | 3 | | | |
| 15 | | | | | | | | | 7 | | | |
| 16 | | | | | | | | | 9 | | | |
| 17 | | | | | | | | | 15 | | | |
| 18 | | | | | | | | | 9 | | | |
| 19 | | | | | | | | | 6 | | | |
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| 32 | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | |
| 36 | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---------------|---|--|----|--|---|--|----|--|----|--|--|--|
| Subsamp Total | 4 | | 24 | | 1 | | 24 | | 64 | | | |
|---------------|---|--|----|--|---|--|----|--|----|--|--|--|

Water

Torch Lake
Antrim County