



FISHERIES MANAGEMENT OUTDOOR LAB

During this module you will be trying two sampling methods that fisheries managers use to find what types of fish are in the lake.

1. What are three methods that fishery managers use to sample a lake? (5 pts)_____

Section 1. SEINING

Directions (NOTE: your instructor will demo how to seine before you go out).

- a. You and your partner will use the net to sample fish. First you must put on waders to go into the water with the net.
- b. Sit down, take your shoes off, and then slide the waders up until your feet are in the boots. Then stand and pull the waders so that you can fasten the top.
- c. One partner will carry the seine out. When you get to the sampling area, the other partner will grab an end and spread the net out. Make sure the lead weights are on the bottom and the floats are on the top.
- d. Using the poles, keep the seine vertical in the water and walk it across the sampling area towards the shore.
- e. When you get to the shore, place the poles on the shore and collect the rest of the net material so that any fish in the seine end up in the middle.
- f. Collect the fish carefully and place them in a bucket.

2. When seining, why is it important to keep the lead weights on the lake bottom? (5 pts)_____

3. How many fish did you catch seining? _____ (5 pts)_____

4. What were the lengths of the fish you caught?

Section 2. MINNOW TRAPS

Directions:

- a. Fill a bucket halfway with lake water.
- b. Pick one partner to put on waders to enter the water and collect a minnow trap. The other partner will remain on the shore with the bucket nearby.
- c. Make sure you know which minnow trap you should be collecting. Walk out to the minnow trap and pull up the line that the trap is attached to. Be careful to keep the trap horizontal so that fish do not escape.
- d. If there are fish in your trap, walk your trap over to the shore and carefully open the minnow trap over the bucket.
- e. Record how many fish you caught and how long they were below.

1. How many fish did you catch in your minnow trap? _____ **(5 pts)**_____

2. What were the lengths of the fish in your minnow trap?

Carefully followed instructions and attempted both fish collection techniques. **(10 pts)**_____

TOTAL FISH SAMPLING POINTS (30 pts) _____