



# SCORE THE SHORE

## 2023 Data Form



Lake Name: \_\_\_\_\_ County: \_\_\_\_\_

Township: \_\_\_\_\_ Lake Sampling Site (Field ID) Number: \_\_\_\_\_

Volunteer Monitor Name(s): \_\_\_\_\_

Date(s) of Survey: \_\_\_\_\_

Lake Level during survey was: \_\_\_\_\_ Average/Normal \_\_\_\_\_ Low \_\_\_\_\_ High

Does the lake have a legal lake level? \_\_\_\_\_ Yes \_\_\_\_\_ No

If yes, indicate level gauge reading at time of survey, if possible: \_\_\_\_\_

Did the lake level impact survey results? If so, how? \_\_\_\_\_

\_\_\_\_\_

Total number of 1000' sections surveyed: \_\_\_\_\_

(If the final section was substantially shorter than 1000', note its approximate length here: \_\_\_\_\_)

Were photographs taken as part of this survey? \_\_\_\_\_ Yes \_\_\_\_\_ No

<b><u>Development Density</u></b>		<b><u>Overall Shore Score</u></b>	
A. Total no. of all buildings & docks		A. Add all of the overall section scores:	
B. Total no. of sections:		B. Total no. of sections:	
Divide A by B for the avg. number of structures per 1000 feet		Divide A by B for the Shore Score for your lake: <i>(It is a 0-100 scale)</i>	



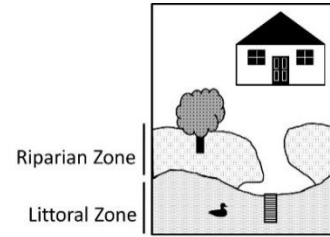
Section #: \_\_\_\_\_ Lake/County: \_\_\_\_\_ Date: \_\_\_\_\_

GPS/Landmark at Start of Section: \_\_\_\_\_

**PASS 1 (Boat is 100 yards from shore):**

Number of: Homes/Major Buildings: \_\_\_\_\_

Docks/Boatlifts: \_\_\_\_\_



**PASS 2 (Boat is 20-30 yards from shore):**

**Littoral (Aquatic) Zone Characteristics and Shoreline Erosion:**

**Littoral Zone Raw Score:**

% Emergent/Floating Vegetation \_\_\_\_\_ None (0) \_\_\_\_\_ <10% (1) \_\_\_\_\_ 10-25% (2) \_\_\_\_\_ 25-75% (3) \_\_\_\_\_ >75% (4)

% Submerged Vegetation \_\_\_\_\_ None (0) \_\_\_\_\_ <10% (1) \_\_\_\_\_ 10-25% (2) \_\_\_\_\_ 25-75% (3) \_\_\_\_\_ >75% (4)  
\_\_\_\_\_ Unable to see

Is aquatic plant management evident/known? \_\_\_\_\_ No (0) \_\_\_\_\_ Minor (at docks, swim areas; -1) \_\_\_\_\_ Major (-2)

Amount of Downed Trees/Woody Debris: \_\_\_\_\_ None (0) \_\_\_\_\_ Few: 1-5 (1) \_\_\_\_\_ Several: 6-15 (2) \_\_\_\_\_ Many: 16+ (3)

Erosion along shoreline (check one): \_\_\_\_\_ None observed (0) \_\_\_\_\_ Minor (-1) \_\_\_\_\_ Moderate (-2) \_\_\_\_\_ Severe (-3)

**PASS 3 (Boat back out to 100 yards from shore):**

**Riparian (Land Near Shore) Zone Characteristics:**

**Riparian Zone Raw Score:**

% Maintained Lawn, Maintained/Artificial Beach, or Impervious (% of total section length):

\_\_\_\_\_ None (0) \_\_\_\_\_ <10% (-1) \_\_\_\_\_ 10-25% (-2) \_\_\_\_\_ 25-75% (-3) \_\_\_\_\_ >75% (-4)

% Unmowed Vegetation Belt (any vegetation other than lawn; % of total section length):

\_\_\_\_\_ None (0) \_\_\_\_\_ <10% (1) \_\_\_\_\_ 10-25% (2) \_\_\_\_\_ 25-75% (3) \_\_\_\_\_ >75% (4)

Average Unmowed Vegetation Belt Depth:

\_\_\_\_\_ None (0) \_\_\_\_\_ < 10 ft. (1) \_\_\_\_\_ 10-40 ft. (2) \_\_\_\_\_ > 40 ft. (3)

**Shoreline Erosion Control Practices:**

**Erosion Control Raw Score:**

Vertical Artificial: \_\_\_\_\_ None (0) \_\_\_\_\_ <10% (-1) \_\_\_\_\_ 10-25% (-2) \_\_\_\_\_ 25-75% (-3) \_\_\_\_\_ >75% (-4)

Types of Vertical Structure (check all that apply) \_\_\_\_\_ Seawall \_\_\_\_\_ Boulders /Rock Walls

\_\_\_\_\_ Other - describe:

Sloped Artificial: \_\_\_\_\_ None (0) \_\_\_\_\_ <10% (-1) \_\_\_\_\_ 10-25% (-2) \_\_\_\_\_ 25-75% (-3) \_\_\_\_\_ >75% (-4)

Types of Sloped Artificial (check all that apply) \_\_\_\_\_ Concrete \_\_\_\_\_ Rock/Riprap

\_\_\_\_\_ other - describe:

Bioengineering (e.g. coir logs, branch bundles):

\_\_\_\_\_ None (0) \_\_\_\_\_ <10% (-0.5) \_\_\_\_\_ 10-25% (-1) \_\_\_\_\_ 25-75%(-1.5) \_\_\_\_\_ >75% (-2)

GPS/Landmark at End of Section: \_\_\_\_\_

**Go to back for Final Scoring and Comments**

## Final Scoring

These equations transform your raw scores into a 0-100 scale. You should round to the nearest whole number. Remember to multiply before you add.

Littoral Zone Raw Score (from other side): \_\_\_\_\_ x 6.2 + 31.3 =  **Littoral Zone Final Score**

If "Unable to see" submerged vegetation use this: x 8.3 + 41.5 =

Riparian Zone Raw Score (from other side): \_\_\_\_\_ x 9.1 + 36.4 =  **Riparian Zone Final Score**

Erosion Control Raw Score (from other side): \_\_\_\_\_ x 11.1 + 100 =  **Erosion Control Final Score**

Add the Scores Above =

Divide the Score Above by 3 =

**OVERALL SECTION SCORE**

Comments or Concerns for this Section:

## Reporting Your Results

Volunteers are able to enter their data into the MiCorps Data Exchange, like all parameters. You can also include electronic pictures, but please be sure to follow the directions given on the Data Exchange. Also, because of technical limitations at this time, **all of the sections must be entered in a single session.**

Whether you enter data or not: Send a paper copy to the address below, or provide an electronic copy via email. Be sure to keep a complete copy of the report for your own records!

All data must be entered and the copies received **no later than October 31<sup>st</sup>**. Information received after this date may not be included in your lake's CLMP Annual Report.

**Mail to: MLSA, P.O. Box 303, Long Lake, MI 48743**

OR, for electronic submission, send to: [MiCorps@msu.edu](mailto:MiCorps@msu.edu)