



SCORE THE SHORE

2021 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 gage 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

<u>Development Density</u>		<u>Overall Shore Score</u>	
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>	

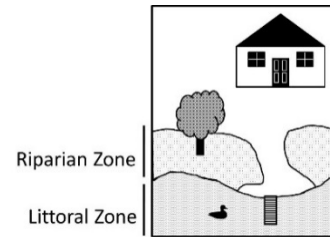
Section #: _____ Lake/County: _____ Date: _____

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 31st**. 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

Electronic copies go to: elgineri@msu.edu