

**MICHIGAN DEPARTMENT OF NATURAL RESOURCES**  
**Fisheries Division**

R8063  
 4/81

Lake \_\_\_\_\_  
  
 County \_\_\_\_\_

T. \_\_\_\_\_ R. \_\_\_\_\_ Sec. \_\_\_\_\_  
 Id. \_\_\_\_\_

**LAKE SURVEY SUMMARY**

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1.

Other names of lake

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2.

Accessibility (how reached, condition of roads)

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3.

Outlet (immediate and main drainage)

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Permanency \_\_\_\_\_  
 4. Dam in outlet \_\_\_\_\_  
 Effect on level \_\_\_\_\_  
 Effect on fish movements \_\_\_\_\_

Size \_\_\_\_\_  
 Distance from lake \_\_\_\_\_  
 Owner \_\_\_\_\_

Height \_\_\_\_\_  
 Use \_\_\_\_\_

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5.

Inlets (name, size)

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Drainage area

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6.

Pollution (kind, source, severity)

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7. Shoreline type (%): Bog \_\_\_\_\_  
 8. Surrounding country (topography, soil, cover) \_\_\_\_\_  
 9. Use (private, public, semi-private) \_\_\_\_\_

Swamp \_\_\_\_\_  
 Homes \_\_\_\_\_  
 Intensity of fishing (heavy, medium, light, or angler days) Summer \_\_\_\_\_

Marsh \_\_\_\_\_  
 Resorts \_\_\_\_\_  
 Winter \_\_\_\_\_

Upland \_\_\_\_\_  
 Boat Liveries \_\_\_\_\_

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12.

Other uses

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13. Area \_\_\_\_\_  
 14. Area of Vegetation (acres) \_\_\_\_\_  
 15. Slope at drop-off (gradual, steep) \_\_\_\_\_

Shore Development \_\_\_\_\_  
 Per cent shoal (less than 15 ft.) \_\_\_\_\_

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16. Bottom Soil: Shoal \_\_\_\_\_  
 17. Color \_\_\_\_\_  
 18. Temperature (range): Surface \_\_\_\_\_  
 19. Thermocline Location \_\_\_\_\_  
 20. Dissolved oxygen (range): Above thermocline (in upper 20 feet if absent) \_\_\_\_\_  
     In Thermocline \_\_\_\_\_  
     Depth range where temperature is below 70° F., and O<sub>2</sub> above 4 ppm. \_\_\_\_\_

Deep water \_\_\_\_\_  
 Secchi disk (range) \_\_\_\_\_  
 Bottom \_\_\_\_\_  
 Temperature (range) \_\_\_\_\_  
 Below thermocline (near bottom if absent) \_\_\_\_\_  
 Oxygen-thermal type \_\_\_\_\_

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21. pH (range) \_\_\_\_\_  
 CO<sub>2</sub> \_\_\_\_\_

Methyl Orange Alk. (range) \_\_\_\_\_

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Copies to: Lansing (    ), Region (    ), District (    ), I.F.R. (    )

(Over)

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22.

Cover (kind, abundance)

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23.

Vegetation (type, abundance)

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24.

Food (abundance, dominant organisms): Plankton

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Bottom: Shoal \_\_\_\_\_  
 Vegetation \_\_\_\_\_

Depths \_\_\_\_\_

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25.

Spawning grounds (summarize observations and reports)

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26.

Predators (kind and abundance)

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27.

Fish parasites

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Fish mortalities (observed or reported)

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28.

Fishing: general reputation

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History \_\_\_\_\_  
 Reported by \_\_\_\_\_

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29.

Recent stocking

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30. Fish species

Abundance

Predominant size

Growth rate (poor, average, good)

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Continuations (use item numbers):

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Prepared by

Section

Date of survey(s)