Bibliography of Papers and Reports
Related to the Elk River Chain of Lakes, Antrim Co., Michigan

N. Bretz 11/26/10
Sorted by date, Earchive=>electronic file


Plankton Samples from Lakes Bellaire, Clam and Torch, Antrim County, Michigan, Rpt. #1 Elk Rapids Laboratory by L. Curry (CMU), Sept 1970. TLA Archive.


Plankton Samples from Lakes Bellaire, Clam and Torch, Antrim County, Michigan, Rpt. #2 Elk Rapids Laboratory by R. Lawrenz (CMU), Fall 1970. TLA Archive.

Plankton Samples from Lakes Bellaire, Clam, and Torch, Antrim County, Michigan for Sept., 1970, Rpt. #1, Elk Rapids Laboratory, L.L. Curry, CMU.

Watershed Management Board and Antrim County Board of Commissioners. TLA Archive.


Shoreline Algal Survey of Bellaire, Clam, and Torch Lakes, Antrim County, Michigan by R. Lawrenz (CMU), Fall 1971. TLA Archive.


An Assessment of Existing Water Quality for Three Lakes Association, Antrim County, Michigan, Jul 1978 by R. Witzerman (CMU), 47 pp. TLA Archive and EArchive.


A History of Spencer Creek, Torch Lake, Institute for Water Quality Research Series No. 6, July 1985 by Thomas M. Kelly, Margaret E. Peterson. TLA Archive, GTWC Archive.
Paleolimnological Analysis in the Elk River, Michigan Watershed. Final Report to the MDEQ, Nov. 1991 by S. Fritz, D. Engstrom (LImnological Research Center, Univ. of Minnesota) and J. Kingston, J. Smol (Dept. of Biology, Queens Univ., Kingston, Ont.). TLA Archive and EArchive
The appendix contains the following:
Appendix I. Estimated Population for Antrim, Kalkaska, Charlevoix, and Grand Traverse Counties
Appendix II. Michigan Land Cover/Use Classification System
Appendix III. Elk River Chain of Lakes Watershed Hydrology and Water Chemistry Data
Appendix IV. Water Quality Data Book for the Elk River Chain of Lakes Basin
Appendix V. Citizens Monitoring Data for the Elk River Chain of Lakes
Appendix VI. Elk River Chain of Lakes MDNR STORET Data
Appendix VII. Paleolimnological Analyses in the Elk River, Michigan Watershed
Appendix VIII. Intermediate, Bellaire, and Elk Lakes Current Water Quality Data
Appendix IX. Mercury and Other Parameters in from Elk, Bellaire, and Intermediate Lakes
Appendix X. Fish Contaminant Monitoring Data from Elk, Bellaire, and Intermediate Lakes
Appendix XI. Results of Phytoplankton Analysis from Elk Lake (Central, South), Intermediate Lake, and Lake Bellaire.


Summary of North Torch Lake Eastport Creek Contamination Investigation by R. Oswald and J. Norris, 2003.  TLA Archives


Total Phosphorus Input and Output of Torch Lake plus the Watershed Boundary of Shanty Creek: 2005 Summer Internship Report by Derek Walton Elk Rapids High School Student and TLA Intern.  TLA Archive and EArchive.

Seasonal Variations of Temperature, Dissolved Oxygen, pH, and Specific Conductivity in Torch Lake Plus Finch Creek Watershed Maps: 2005 Summer Internship Report by Lauren Elbert and Samantha Fox, Elk Rapids High School and TLA Interns. TLA Archive and EArchive.


Torch Lake Shoreline Greenbelt Survey Summary Report, May 21, 2008 by the Grand Traverse Bay Watershed Center. TLA Archive, Earchive


TLA Digital Archive

1978 GlacialRelictsGannon.doc
1978 Witzerman.doc
1985 Fish History of Torch Lake.doc
1989 ER COL Watershed Master Plan.doc
1993 Fritz.doc
1993 ER COL Clean Lakes.doc
1996 TLA The First 30 Years.doc
1998 Antrim County Land Atlas.pdf
2001 ER COL Watershed Management Plan.pdf
2003 GT Bay Watershed Plan.pdf
2004 Three Lakes Shoreline Survey.pdf
2004 Water Flow in Torch.doc
2004 ERCOL Property Owners Permit Guide.pdf
2005 Groundwater Estimates in Torch.doc
2005 Groundwater Flux in Torch Lake.doc
2005 Phosphorus Flow in Torch Lake.doc
2005 Seasonal Profiles in Torch Lake.doc
2005 TLA Torch Groundwater Plan.doc
2006 AnalysisBellaireClamHydrolab.doc
2006 Hydrolab Profiles Torch Clam Bellaire.doc
2006 Torch Historic WQ Data.xls
2006 TLA Torch Lake Predictive Model.doc
2007 TLA Land-UseModel.doc
2007 TLA Bellaire Clam Predictive Model.doc
2007 Glacial Relicts ERCOL.doc
TLA Bibliography.doc
ERCOL Land Use 1979.jpg
ERCOL Land Use 1979.jpg
ERCOL Fuller Bathymetry Maps
ERCOL Institute for Fisheries Research Maps
http://www.mcgi.state.mi.us/mrbis/lakesearch.asp
2003 Antrim County Plat Maps (Custer, Forest Home, Helena, Kearney, Torch Lake, Milton, Central Lake, Clearwater)
Antrim Stream Map.pdf
GTB Watershed.jpg
ER COL Torch Watershed.jpg
ER COL Vital Stats.doc
ER COL Watershed.jpg
ER COL Watersheds County.jpg
ER COL Watersheds.jpg
TorchComparisonMI.xls
TorchComparisonUS.xls
WorldLargeLakes.xls
TLA ERCOL Digital Archive

Bathymetry Maps
ERCOL
Institute for Fisheries Research, Division of Fisheries, Michigan Conservation Department.
http://www.mcgi.state.mi.us/mrbis/lakesearch.asp
Mapping Unlimited, Crystal Springs Rd., Bellaire, MI 49615.
Fish Michigan, 100 Northern Lower Michigan Lakes, 2nd Ed., 2000, by Tom Huggler,
Friede Publications, PO Box 217 Davison, MI 48423-0217.
Lake Michigan
Great Lakes Environmental Research Laboratory
http://www.ngdc.noaa.gov/mgg/greatlakes/michigan.html

Land Use Maps
Antrim County 1928
http://www.antrimcounty.org/community7075900.asp
Antrim County Land Atlas, 1978-1998, Antrim County Publication in cooperation with
The Land Information Access Assn
http://www.antrimcounty.org/antrimcounty2155.asp

Watershed Maps
Michigan Inland Lakes and Their Watersheds: An Atlas ed. by W.M. Marsh, T.E. Borton,
M-DNR, 1974, 166 pp. Osterlin Lib. Watershed and lake maps for ERCOL lakes and watersheds
Grand Traverse Bay Watershed, Northwest Michigan Council of Governments
Antrim County Stream Map
ERCOL Watershed, from Michigan Inland Lakes and Their Watersheds: An Atlas by
ERCOL, from 1993, ERCOL Clean Lakes Diagnostic/Feasibility Study.
ERCOL Statistics, compilation, N. Bretz
ERCOL Tributary Watersheds, H. Yamaguchi
Torch: Eastport Creek, Wilkinson Creek, Spencer Creek, Buhland Creek
Campbell-Winter-Maplehurst, Agaming Creek
Bellaire-Clam: Cold Creek, Finch Creek, Butler Creek, Cedar, Cree,
Shanty, Maury

Torch Comparison with Other Lakes
ERCOL Vital Statistics – N. Bretz compilation
Torch Comparison – Inland Lakes of Michigan, N. Bretz compilation
Torch Comparison – Inland Lakes of the US, N. Bretz compilation

Other reports and Electronic Data:
Lake2K model for Torch Lake, Lake Bellaire, and Clam Lake.
Grant applications 2004-5
Related materials


Lawrenz, Ronald, W. The Development of Paleoecology of Green Lake, Antrim Co., MI. MS Thesis CMU, 1975. 78 pp. IN CMU CENTRA


Long Lake Nutrient and Hydologic Model prepared for the Long Lake Watershed Partnership, Jan. 2001 by R. Canale and P.M. McCool. TLA Archive


Oil and Gas Rights by C.R. Humphrys, Dept. of Resource Development, MSU, 1960, 17 pp. MSU Libraries


And Then There Were None, J. Smith, Northern Michigan Magazine, Aug. 2006, pp 50-57. About the disappearance of diporeia, a glacial relict, from Lake Michigan. TLA Archive.

**Motorized Vehicle Impact**


Watercraft Use Study Lakes of Tahoe by Hagler Bailey, Inc., Dec. 1998. TLA Archive


**Land Use Impact**

Predicting the Impact of Land Use on Walloon Lake Water Quality: Modeling Studies and Management Implications, Phase III of Project Vigilant, prepared for the Walloon Lake Association by Limno-Tech, Inc. July 28, 1989. TLA Archive


Related to ERCOL but not in TLA Archive as of 12/9/07

From MSU Library


Map and Field Notes of Torch Lake and Otsego State Road by C. Smith, 1869, 16 pp. MSU Libraries.


From Peg Comfort:

Antrim County Resource Plan- Northwest Lower Michigan Cooperative River Basin Study (Antrim County Steering Committee, 1992)
   Three problem subwatersheds were identified:
      Kitty Ann Creek- Central Lake Township
      Jordan River- Chestonia, Star, Warner, & Jordan Townships
      Grass River- Helena, Custer, Forest Home


Resource Plan: Kitty Ann Creek Watershed- Antrim County, Michigan (Antrim County Planning Committee, 1992)

In Grand Traverse Watershed Center Database

The Influence of Land-Use Change on Biogeochemical Indicators and Great Lakes Loadings: Data for Watershed Management by Bryan C. Pijanowski, David T. Long, David W. Hyndman, 7/1/2000

Comprehensive Water Quality Monitoring Program-Elk River Chain of Lakes by Tip of the Mitt Watershed Council, 1/1/2004

From 1989 WQ Data Book


From 1993 Elk River Chain of Lakes Diagnostic/Feasibility Study


From 1986 TLA User’s Guide

Groundwater Quality in the Watersheds of Torch Lake, Clam Lake, and Lake Bellaire, CMU, 1985, Dennis Gervin.
Total Phosphorus Tributaries to Torch Lake, Clam Lake, and Lake Bellaire, CMU, 1985, Dennis Gervin.
Probe into the Waters of Torch Lake, CMU, 1964, Bernard Gryska.
Bottom Fauna Analysis of Lake Bellaire, CMU, 1972, Hamilton, et. al.
Quantitative Plankton Study on Torch Lake, CMU, 1965, Robert King.
Limnological Investigation of the Chain O’ Lakes, CMU, 1966, Robert King.
Indicators of Organic Pollution in the Chain O’ Lakes, CMU, 1970, Dennis Morgan.
Bacteriological, Biological, and Physical Results from 1972 Survey of Chain O’Lakes, CMU, 1972, Jerry Sunberg.

Note: None of these is in the CMU CENTRA Library system.

From A History of Fish and Fisheries: Torch Lake by T. Kelly (1985)

In A Study Based on the Saprobianic System if the Chain O’ Lakes by Everhart, Kroll, and Winkler

From R.E. Powers, MS Thesis, CMU, 1963

Institute for Fisheries Research, Div. of Fisheries, Mich. Cons. Dept., Feb. 24, 1958, Summary or Inventory Results on Lake Bellaire, Antrim County
From D.W. Sanderson, MS Thesis, 1970


M-DEQ Website

Chemical and Physical Survey of Selected Surface Waters in the Vicinity of the Bellaire Wastewater Treatment System, Antrim County, April, May, Sept., 1982, M-DEQ Report #004190.
Chemical and Phytoplankton Surveys of Lake Belliare and Selected Surface Waters in the Vicinity of the Bellaire Wastewater Treatment System, Antrim County, April 27, June 23, 1983, M-DEQ Report #0047100.
Interoffice Communication re: Lake Bellaire and the Bellaire WWTP to William McCracken, Chief, Permits Section, Dec. 16, 1985, M-DEQ Report #005190.
A Biological Survey of an Unnamed Tributary of the Cedar River Near Lamina in Bellaire, Michigan, Antrim County, Apr. 26, 1980, M-DEQ Report # 003620
Site Reconnaissance Visit to the Cedar River, Antrim County, Following a Significant Storm Event, M-DEQ Report # MI/DEQ/SWQ-98/056.
Archeological
University of Michigan, Anthropological Papers no. 19, pp. 71-123. NLB Library
INDIAN SITES AND CHIPPED STONE MATERIALS IN THE NORTHERN LAKE
MICHIGAN AREA Published by CHICAGO NATURAL HISTORY MUSEUM
Volume 36 August 29, 1963 No. 12.
Samels Farm Site ?????