Bibliography

- Albrecht, Brian, 2020. Several Inland Lakes Battling Same Algal Blooms as Lake Erie. Cleveland Plain Dealer. https://www.cleveland.com/news/2020/04/several-inland-lakes-in-ohio-battling-same-algal-blooms-as-in-lake-erie.html;
- ---, 2020b. Toxic Algae Also Threatens Ohio's Inland Lakes and Waterways. Cleveland Plain Dealer. https://www.cleveland.com/news/2020/04/several-inland-lakes-in-ohio-battling-same-algal-blooms-as-in-lake-erie.html.
- Akron Metropolitan Area Transportation Study (AMATS), 2013. Parks and trails dataset. Obtained 2017.
- Aman, C., 2021. ODNR Div. of Wildlife, pers. commun.
- Audubon International ACSP for Golf. Accessed 3/2021. https://auduboninternational.org/acsp-for-golf/
- Bartodziej, Bill, 2015. Aquatic Plant Harvesting and Phosphorus Reduction. Ramsey-Washington Metropolitan Watershed District, Little Canada, MN. https://www.rwmwd.org/aquatic-plant-harvesting-and-phosphorus-reduction/, retrieved June, 2020.
- Bugwood Apps, 2017. Great Lakes Early Detection Network. https://apps.bugwood.org/apps/gledn/ Accessed Dec., 2017.
- CAB International. 2021. Morone Americana (white perch) data sheet. 2021. Invasive Species Compendium. https://www.cabi.org/isc/datasheet/74160 Accessed Feb. 2021.
- Carpenter, Stephen, 2005. Eutrophication of Aquatic Systems: Bistability and Soil Phosphorus. PNAS 102(29):10002-10005. https://www.pnas.org/content/102/29/10002 Retrieved Feb., 2021.
- Chaffin, J. n.d. Genus: Lyngbya wollei/Microseira wollei Ohio Sea Grant, Ohio State University. Columbus, OH. https://ohioseagrant.osu.edu/research/plankton/lyngbyawolleimicroseirawollei Accessed June, 2020.
- Clawson, Beth. 2017. Making your Native Plant Choices for Michigan Inland Lake Shorelines. MSU Extension.
 - https://www.canr.msu.edu/news/making your native plant choices for michigan inland lake shor elines Accessed 2/2021
- Clean Water Act, enacted as the Federal Water Pollution Control Act of 1972, amended 2018. U.S. EPA, Laws and Regulations, Summary of the Clean Water Act. https://www.epa.gov/laws-regulations/summary-clean-water-act Accessed June, 2020.
- Cordell, H. Ken, 2012. Outdoor recreation trends and futures: a technical document supporting the Forest Service 2010 RPA Assessment. Gen. Tech. Rep. SRS-150. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station, 167 p. https://www.srs.fs.usda.gov/pubs/40453 Retrieved Feb., 2021.
- Craftsman Park.com, 2016. https://craftsmenpark.com/ Accessed April, 2020.
- EcoShape, 2021. Clear and Turbid Lakes. https://www.ecoshape.org/en/knowledge-articles/sediment-and-ecology-in-delta-lakes/1-clear-and-turbid-lakes/retrieved Feb., 2021.

- ESRI base map, 2020. ESRI, MAXAR, GeoEYE, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGrid, IGN, and the GIS User Community. Obtained Nov., 2020.
- _____, 2021. ESRI base map: National Geographic I-cubed. Obtained March, 2021.
- Federation of Vermont Lakes and Ponds, 2015. *A Guide to Healthy Lakes Using Lakeshore Landscaping*. https://dec.vermont.gov/sites/dec/files/wsm/lakes/Lakewise/docs/lp_VTlakescape.pdf accessed Feb. 2021.
- Fletcher, S. n.d. Short and Long Term Strategies to Reduce Harmful Algal Blooms in Ohio Lakes. Webinar on Ohio Watershed Network, Ohio State University Extension. https://ohiowatersheds.osu.edu/resources/best-practices/short-and-long-term-strategies-address-harmful-algal-blooms-ohio-lakes Accessed April, 2020.
- Florida Lakewatch, 2001. A Beginner's Guide to Lake Management: Lake Morphometry, 2nd ed. Information Circular 104. University of Florida Dept. of Fisheries and Aquatic Sciences. Gainesville, FL. Accessed 6/22/2020 from https://edis.ifas.ufl.edu/pdffiles/FA/FA08100.pdf.
- Friend, N.; Smith, C.L.; Hunter, Thomas; 1874. 1874 Combined Atlas of Summit County. Tackaberry, Mead, and Moffett, Philadelphia, PA. Obtained from Summit Memory Online Map Room. https://www.summitmemory.org/digital/collection/new-maproom/id/625/rec/5 Retrieved Apr, 2020.
- Garretson, Josh, The discussions of water elevation, flow, dams, connections, and managing the reservoir system relies heavily on communication with Josh Garretson, Ohio DNR Parks and Watercraft, Canal Lands office, from 2017-2021.
- ---, 2020. Parks and Watercraft, Canal Lands and Reservoirs, pers. commun. 2020.
- ---, 2020-2021. Ohio DNR Parks and Water Craft, Canal Lands, Akron, OH. Pers. Commun.
- ---, 2020. Spillway elevations from J. Garretson, 2020.
- Gibb, Terry, 2016. *Bioengineering your shoreline can save money, improve water quality.* Michigan State University Extension.
 - https://www.canr.msu.edu/news/bioengineering_your_shoreline_can_save_money_improve_water_q uality_Accessed March, 2021.
- Goggin, Patrick, n.d. *Healthy Lakes 350 ft2 Native Planting Companion Guide*. University of Wisconsin Extension. Madison, WI. https://www.wpr.org/sites/default/files/native_plant_guide_2.0.pdf Accessed 2/2021.
- Hauxwell, J. et al., 2010. Recommended Baseline Monitoring of Aquatic Plants in Wisconsin: Sampling Design, Field and Laboratory Procedures, Data Entry and Analysis, and Applications. Wisconsin Dept. of Natural Resources (WDNR), Madison, WI. https://www.uwsp.edu/cnr-ap/UWEXLakes/Documents/ecology/Aquatic%20Plants/PI-Protocol-2010.pdf retrieved Oct., 2017.
- Heiskary, Steven and Ray D. Valley. 2012. Curly-Leaf Pondweed Trends and Interrelationships with Water Quality. Minnesota Department of Natural Resources Investigational Report 558. Retrieved May, 2020. https://www.researchgate.net/publication/230846292_Curly-leaf_pondweed_trends_and_interrelationships_with_water_quality

- Hilt, Sabine, et al., 2017. Response of Submerged Macrophyte Communities to External and Internal Restoration Measures in North Temperate Shallow Lakes. Front. Plant Sci., 19 February 2018 https://doi.org/10.3389/fpls.2018.00194 Retrieved Feb., 2021.
- Kimball's Biology Pages, Freshwater Ecosystems. https://www.biology-pages.info/F/Freshwater.html;
- Kiser, Jack, 2019. The Portage Lakes, Akron's Bass Fishing Gem. Record-Courier. https://www.record-courier.com/sports/20190615/buckeye-angler--portage-lakes-akrons-bass-fishing-gem Accessed June, 2020.
- Kuiper, Jan J., et al. 2017. Mowing Submerged Macrophytes in Shallow Lakes with Alternative Stable States: Battling the Good Guys? Environmental Management (2017) 59:619–634 DOI 10.1007/s00267-016-0811-2 https://link.springer.com/article/10.1007/s00267-016-0811-2. Retrieved Feb., 2021.
- Martin, Romina, Maja Schluter, and Thorsten Blenckner, 2020. PNAS The importance for transient social dynamics for restoring ecosystems beyond ecological tipping points. https://www.pnas.org/content/pnas/early/2020/01/17/1817154117.full.pdf Retrieved Feb., 2021.
- Matthews & Taintor, 1856. Map. Summit Memory On-line Map Room. https://www.loc.gov/item/2012592394/ Retrieved Apr., 2020.
- Medina County GIS, 2020. http://gm.medinaco.org/
- Michigan Inland Lake Shorelines. http://www.shoreline.msu.edu/ Informative brochure: https://www.michigan.gov/documents/deq/wrd-natural-shorelines-inland-lakes_366530_7.pdf
- Michigan Natural Shoreline Partnership. Nd. *Plants for Inland Lakes*, https://www.mishorelinepartnership.org/plants-for-inland-lakes.html Accessed June, 2020.
- Minnesota Dept. of Natural Resources. 2020. Lakescaping and Shoreland Restoration. https://www.dnr.state.mn.us/lakescaping/index.html
- ---, 2021. Aquatic Plant Management Program. https://www.dnr.state.mn.us/apm/index.html Accessed Mar., 2021.
- Mitchell, Stephanie, 2015. Sediment Dispersal Processes and Anthropogenic Impacts at Rex Lake, Summit County, Ohio. Masters Thesis. University of Akron, Akron, OH.
- Multi-Resolution Land Characteristics Consortium (MRCS), National Land Cover Database (NLCD) 2016. Land Cover and Imperviousness 2016 data set. https://www.mrlc.gov/data Retrieved June, 2020.
- Naselli-Flores, 2008. Urban Lakes Ecosystems at Risk, Worthy of the Best Care. In Sengupta, M. and Dalwani, R. (Editors). 2008. Proceedings of TAAL2007, the 12th World Lake Conference.1333-1337. https://www.researchgate.net/publication/228465620_Urban_Lakes_Ecosystems_at_Risk_Worthy_of_the_Best_Care Accessed Feb. 2021.
- National Hydrologic Database (NHD) 2016, retrieved from nationalmap.gov Jan. 2017.
- Natural Resources Conservation Service (NRCS), United States Department of Agriculture. Web Soil Survey. Gridded Soil Survey Geo for Summit, Stark, and Portage Counties, OH. Available online at https://websoilsurvey.nrcs.usda.gov/. Retrieved Jan., 2017

- New York State Department of Environmental Conservation (NYSDEC), 2005. A Primer on Aquatic Plant Management in New York State. Draft. Division of Water. https://www.dec.ny.gov/docs/water_pdf/ch6apr05.pdf Retrieved October, 2017.
- ---, 2005 Aquatic Plant Management. Retrieved Oct. 2017. https://www.dec.ny.gov/animals/7137.html
- New York State Federation of Lake Associations has a lot of good background material on aquatic plant and lake management. The CSLAP Aquatic Plant Survey protocol is a citizen science approach to monitoring aquatic plants that is more rigorous than casual observations. https://nysfola.org/cslap-aquatic-plant-survey/
- Newell, Sylvia, et al., 2021. Nitrogen as a Driver of HABs and Toxins: The Missing Modeling Link? Presented at Understanding Algal Blooms, State of the Science Virtual Conference, Sept. 8, 2021. Ohio Sea Grant/Ohio State University. Archived at:

 <a href="https://ohioseagrant.osu.edu/news/calendar/2021/09/08/rz151/state-of-the-science?utm_source=Ohio+Sea+Grant+and+Stone+Lab&utm_campaign=f238ceca56-EMAIL_CAMPAIGN_2019_05_22_01_28_COPY_01&utm_medium=email&utm_term=0_84c2c6f_5d9-f238ceca56-424285100; May be viewed at: https://www.youtube.com/watch?v=Exc9zfVYjRY
- North American Lake Management Society (NALMS) 2020. Trophic State Equations. . https://www.nalms.org/secchidipin/monitoring-methods/trophic-state-equations/ (excerpted from Carlson, R.E. and J. Simpson. 1996. A Coordinator's Guide to Volunteer Lake Monitoring Methods. (North American Lake Management Society. 96 pp.)
- Northeast Ohio Four County Regional Planning and Development Organization (NEFCO), 1999. Upper Tuscarawas River Watershed Action Plan. Akron, OH. Pp. 73-83. http://www.nefcoplanning.org/publications/upper%20tusc/upper%20tusc%20full%20report%206-1999.pdf
- ---, 2020 Clean Water Plan Update Appendix 3. Available at: http://www.nefcoplanning.org/CWP.html
- Ohio Department of Development, 2019. 2018 Population Estimates by City, Village, and Township by County, May 2019; USDA https://development.ohio.gov/files/research/P5027.pdf
- Ohio Department of Health, 2018. Know Our Programs, Harmful Algal Blooms. HABS photos. Retrieved June, 2020 from:. https://odh.ohio.gov/wps/portal/gov/odh/know-our-programs/harmful-algal-blooms/media/habs-photos
- Ohio Department of Natural Resources (DNR), 1999. Division of Watercraft Report on Boating. Columbus, OH.
- ---, Natural Heritage Database: https://ohiodnr.gov/wps/portal/gov/odnr/business-and-industry/services-to-business-industry/environmental-review-lab-services/environmental-review-and-lab-services.
 Obtained Mar., 2017.
- --- GIS, 2017. Data files: bathymetry, dams, fishing information. Obtained Feb, 2017 from: https://ohiodnr.gov/wps/portal/gov/odnr/business-and-industry/services-to-business-industry/gis-mapping-services/
- ---, 2021. Ohio Boating Registrations, ibid. Ohio DNR CSC 2021. Op. cit.
- ---, 2021. Historical Wildlife License Information. Searched by year.

 https://ohiodnr.gov/wps/portal/gov/odnr/business-and-industry/services-to-business-industry/data-records/historic-wildlife-licenses Retrieved Feb., 2021.

- ---, 2021. Double Crested Cormorant. Ohio DNR, Birds. https://ohiodnr.gov/wps/portal/gov/odnr/discover-and-learn/animals/birds/double-crested-cormorant.
- --- Customer Service Center (CSC), 2021. Boating Registration Records for Medina, Portage, Stark, Summit, and Wayne Counties, 2018-2019; Ohio DNR, 2021.
- --- n.d. Data and Records. General Boating Statistics for Ohio.

 https://ohiodnr.gov/wps/portal/gov/odnr/business-and-industry/services-to-business-industry/data-records/general-boating-statistics-in-ohio. Retrieved February 5, 2021
- ---, Data and Records, 2021. Ohio Boating Registration.

 https://ohiodnr.gov/wps/portal/gov/odnr/business-and-industry/services-to-business-industry/data-records/ohio-boating-registrations. Retrieved February 5, 2021.
- Ohio DNR Division of Water Fishing Habitats map. Obtained from Ohio DNR GIS 2017. Website has been revised, Ohio DNR GIS website is now at: https://ohiodnr.gov/services-to-business-industry/gis-mapping-services/ static fishing maps available at: https://ohiodnr.gov/static/documents/wildlife/maps/portagelakes2.pdf
- ---, 2005. Ohio Floodplain Management Handbook, A Resource for Local Floodplain Officials to Administer Flood Damage Reduction Regulations, 2005 revisions. ODNR Division of Water, Columbus, OH. https://ohiodnr.gov/wps/portal/gov/odnr/business-and-industry/municipalities-and-public-entities/floodplains/floodplain-management-handbook. Accessed Mar., 2021.
- ---, 2017, GIS 2017; NHD 2016 ibid.
- ---, 2017 Natural Heritage Database, 2017
- ---, 2017, Bathymetry data and depth points for Portage Lakes and Nimisila Reservoir.

 https://ohiodnr.gov/wps/portal/gov/odnr/business-and-industry/services-to-business-industry/gis-mapping-services/gis-mapping-services
- ---, https://ohiodnr.gov/wps/portal/gov/odnr/discover-and-learn/safety-conservation/about-ODNR/water-resources/water-inventory-planning/stream-management-guides
- ---, n.d. Stream Management Guides. Division of Water. Columbus, OH.

 https://ohio.gov/natural-resources/

 Accessed Mar., 2021. Ohio's H2Ohio program focuses on water quality, phosphorus reduction, and wetlands.

 http://h2.ohio.gov/natural-resources/
- Ohio Department of Transportation (ODOT) Roads shapefile (functional classification). Transportation Information Management System. https://gis.dot.state.oh.us/tims/Data/Download Obtained 2017.
- Ohio Environmental Protection Agency (EPA), 2006. Methods for Assessing Habitat in Flowing Waters Using the Qualitative Habitat Evaluation Index (QHEI). OHIO EPA Technical Bulletin EAS/2006-06-1. Division of Surface Waters. Groveport, OH. https://www.epa.state.oh.us/portals/35/documents/QHEIManualJune2006.pdf accessed March, 2017
- ---, 2006, as amended. Rainwater and Development Manual, Appendix 7, Planning for Streams. Accessed 2015 from https://epa.ohio.gov/Portals/35/storm/technical_assistance/6-24-09RLDApp7.pdf

- ---, 2009. Total Maximum Daily Loads for the Tuscarawas River Watershed, Final Report. Ohio EPA, Columbus, OH.

 https://www.epa.state.oh.us/portals/35/tmdl/TuscarawasRiverTMDL_final_jul09_wo_app.pdf
 accessed June, 2020.
- ---, 20210. Ohio EPA, 2010. Obtained June, 2020 from: https://epa.ohio.gov/Portals/35/rules/nutrient_criteria_document_2010.pdf
- ---, GIS ALU Attainment data sets 2014, 2016, 2018, 2020. https://data-oepa.opendata.arcgis.com/search?tags=surface%20water, accessed June, 2020
- ---, 2020. Water Quality Standards, Beneficial Uses. Ohio EPA, Columbus, OH. Accessed June, 2020 from https://epa.ohio.gov/dsw/wqs/index#123033406-beneficial-use-designations
- ---, Primary Headwater Streams in Ohio. https://www.epa.state.oh.us/dsw/wqs/headwaters/index, Accessed June, 2020.
- ---, 2020. Recreation standards, Section F. Integrated Water Report. https://epa.ohio.gov/Portals/35/tmdl/2020intreport/2020_SectionF.pdf accessed July, 2020.
- ---, 2021. Water Quality Certification and Isolated Wetland Permits. https://www.epa.ohio.gov/dsw/401/permitting Accessed Mar., 2021.
- ---, 2021. OAC Chapter 3745-1, Water Quality Standards. Most recent version available at https://www.epa.ohio.gov/dsw/rules/3745_1. Accessed Mar, 2021.
- Ohio Geographically Referenced Information Program (OGRIP), 2012. Summit County 2011 1 foot MrSID county mosaic aerial imagery. Ohio Geographically Referenced Information Program. Obtained from: http://gis3.oit.ohio.gov/geodatadownload/osip2.aspx 2017.
- ---, 2012. OSIP II imagery for Summit, Portage, and Stark Counties. http://gis3.oit.ohio.gov/geodatadownload/osip2.aspx Retrieved March, 2017;
- ---, 2018. OSIP III imagery tiles for Portage Lakes watershed, Summit County, Portage County, Stark County. http://gis5.oit.ohio.gov/geodatadownload/ obtained May, 2020.
- Outdoor Foundation, 2020. Outdoor Participation Report 2019. Outdoor Foundation, Boulder, CO, https://outdoorindustry.org/resource/2019-outdoor-participation-report/ Retrieved April, 2020.
- Paerl, Hans, et al., 2021. Where Do We Go from Here? Mitigating Harmful Cyanobacterial Blooms in a World Facing Human Nutrient Over-enrichment and Climate Change. Presented at Understanding Algal Blooms, State of the Science Virtual Conference, Sept. 8, 2021. Ohio Sea Grant/Ohio State University. Archived at: <a href="https://ohioseagrant.osu.edu/news/calendar/2021/09/08/rz151/state-of-the-science?utm_source=Ohio+Sea+Grant+and+Stone+Lab&utm_campaign=f238ceca56-EMAIL_CAMPAIGN_2019_05_22_01_28_COPY_01&utm_medium=email&utm_term=0_84c2c6f_5d9-f238ceca56-424285100; May be viewed at: https://www.youtube.com/watch?v=Exc9zfVYjRY
- Paul, Hosea. *Map of Summit Co.*, *Ohio*. Philada: 1856 map of Summit County, Ohio from actual surveys by Hosea Paul, Civil Engineers Surveyor. Online Map Room, Summit Memory. https://www.summitmemory.org/digital/collection/new-maproom/id/208. Retrieved April, 2020.
- Portage Lakes Advisory Council, 2021. https://portagelakesadvisorycouncil.com/ accessed Jan., 2021.
- Portage County GIS, 2017. Road centerlines, parcels data sets. https://www.portagecounty-oh.gov/geographic-information-systems/pages/data-downloads

- ---, 2020. Parcels data set, obtained May, 2020.
- Putnam, Rufus, Thomas Wightman, and Thaddeus Mason Harris. *Map of the state of Ohio*. [Boston: Printed by Manning & Loring, 1804] Map. Library of Congress. https://www.loc.gov/item/90682167// Retrieved Apr. 2021.
- Randall, M.C., et al. (2019) Sediment potentially controls in-lake phosphorus cycling and harmful cyanobacteria in shallow, eutrophic Utah Lake. PLoS ONE 14(2):e0212238.https://doi.org/10.1371/journal.pone.0212238 Retrieved March, 2021.
- Robertson, Dale and Matthew Diebel, 2020. Importance of Accurately Quantifying Internal Loading in Developing Phosphorus Reduction Strategies for a Chain of Shallow Lakes. Lake and Reservoir Management. 3(4):391-411. Taylor and Francis Online. Published online July 2020. DOI: 10.1080/10402381.2020.1783727 https://www.tandfonline.com/doi/full/10.1080/10402381.2020.1783727 Retrieved Feb., 2021.
- Sandborn, Dixie, 2020. Understanding Lakeshore Ecosystems Part 3 Natural Vegetation. Michigan State University Extension accessed June, 2020 from https://www.canr.msu.edu/news/understanding-lakeshore-ecosystems-part-3 natural vegetation
- Scheffer, Martin & E.H. Van Nes, 2007. Shallow lakes theory revisited: various alternative regimes driven by climate, nutrients, depth and lake size. *Hydrobiologia* 584, 455–466 (2007). https://doi.org/10.1007/s10750-007-0616-7 retrieved Feb., 2021.
- ---, and Egbert H. Van Nes, 2007. Shallow Lakes Theory Revisited: Various Alternative Regimes Driven by Climate, Nutrients, Depth, and Lake Size. Hydrobiologia 584:455-466. Springer Link: https://link.springer.com/article/10.1007/s10750-007-0616-7 Retrieved Feb., 2021.
- Schueler, Tom and Jon Simpson, 2001. Why Urban Lakes are Different. Wat. Prot. Techniques 3(4): 747-750. https://owl.cwp.org/mdocs-posts/schuelert-why_urban_lakes_are_different/ Retrieved June, 2020.
- Secchi disk data 3 lakes Data Source: Citizens Lake Awareness and Monitoring data from Ohio Lake Management Society webpage http://www.eyesonthewater.org/olms/ (2018)
- Shaw. Kelly, 2013. Assessing Two Centuries of Anthropogenic Impacts, Silver Lake, Summit County, Ohio. Masters Thesis, University of Akron. Akron, OH; M. Hilovsky 2017. Presentation to NEFCO's ERTAC.
- Sondergaard, M., et al., 2001. Retention and internal loading of phosphorus in shallow, eutrophic lakes. TheScientificWorld 1, 427–442. https://www.researchgate.net/publication/10708991_Retention_and_Internal_Loading_of_Phosphorus_in_Shallow_Eutrophic_Lakes retrieved June, 2020.
- ---, 2003. Role of Sediment and Internal Loading of Phosphorus in Shallow Lakes. Hydrobiologia 506–509: 135–14. http://www.colby.edu/chemistry/EastPond/BioManipPDF/Sondergaard%202003.pdf retrieved June, 2020.
- ---, 2007. Lake Restoration: Successes, Failures, and Long-Term Effects. Journal of Applied Ecology. 2007 44: 1095-1105. https://besjournals.onlinelibrary.wiley.com/doi/full/10.1111/j.1365-2664.2007.01363.x Retrieved Feb., 2021
- Stark County GIS, 2016. Data shapefiles: Cities, Villages, and Township boundaries; roads. Downloaded from https://portal-starkcountyohio.opendata.arcgis.com/pages/data-downloads Mar., 2017.

- ---, 2020. parcels data set. Obtained May, 2020.
- Studeny, Michael. 2020. Ohio DNR Parks and Watercraft, Wingfoot and Portage Lakes Parks Manager. Suffield, OH. Pers. comm.
- Summit County OH. 2007. Riparian Setback Ordinance. Accessed from https://sswcd.summitoh.net/sites/default/files/2018-11/CHAPTER%20937.pdf Mar., 2021.
- Summit County, OH Dept.of Sanitary Sewer Services GIS dataset of service areas, obtained May, 2020.
- --- GIS, 2000. Wetland mapping data set retrieved from https://data-summitgis.opendata.arcgis.com/ Oct. 2017.
- --- , 2017. Data shapefiles: Jurisdictions; Streets; Water_features; wetlands. Downloaded from Summit County, OH, GIS. https://summitgis.maps.arcgis.com/home/index.html January, 2017
- ---, 2018. parcels database, CAMA, retrieved from https://data-summitgis.opendata.arcgis.com/ 2018.
- ---, 2020. parcels database, retrieved from https://data-summitgis.opendata.arcgis.com/ 2020.
- --- 2021. Environmental Viewer 2.1. https://summitmaps.summitoh.net/EnvironmentalViewer2.0 Accessed Mar., 2021.
- --- 2021. Parcel Viewer https://summitmaps.summitoh.net/ParcelViewer2.0/ Accessed June, 2020 and March, 2021.
- ---, Summit County, OH 2021. Environmental Viewer 2.1. The Environmental Viewer has many environmental feature layers that can be viewed, and an elevation profile tool. https://summitmaps.summitoh.net/EnvironmentalViewer2.0/ Accessed Mar., 2021.
- Tanner, Henry Schenck. *Ohio and Indiana*. [Philadelphia: Tanner, Vallance, Kearny & Co, 1819] Map. Library of Congress. https://www.loc.gov/item/2011585893/ Accessed Feb., 2020.
- Tatrai, Istvan, et al., 2008. Abrupt Shift from Clear to Turbid State in a Shallow, Eutrophic, Biomanipulated Lake. Hydrobiologia 620(1): 149-161.

 https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shift from clear to turbid state in a https://www.researchgate.net/publication/226817493 Abrupt shif
- Thiebaut, Gabrielle, 2008. Phosphorus and Aquatic Plants. In P.J. White and J.P. Hammond (eds). The Eco-Physiology of Plant-Phosphorus Interactions, ch. 3. Springer Science and Business Media. https://link.springer.com/chapter/10.1007/978-1-4020-8435-5_3 retrieved Feb., 2021
- Thorson, Robert M., 2009. Beyond Walden: The Hidden History of America's Kettle Lakes and Ponds. Walker and Co., New York, NY. Pp. 149-168.
- Tichnell, M. & W. Lynch. 2010 "Coping with Canada Geese: Conflict Management and Damage Prevention Strategies." *Ohioline*. Ohio State University Extension. https://ohioline.osu.edu/factsheet/W-3 Accessed 6/2020.
- U.S. Army Corps of Engineers 2008. Great Lakes regional boating in response to Public Law 106-53, Water Resources Development Act of 1999, Section 455(c), John Glenn Great Lakes Basin Program, Great Lakes Recreational Boating. Main Report Final. Obtained Sept., 2017 from https://www.lre.usace.army.mil/portals/69/docs/pppm/planningandstudies/johnglenn/boating.pdf
- U.S. Census, 2017. Census of Businesses. https://www.census.gov/data/developers/data-sets/cbp-nonemp-zbp/zbp-api.2017.html Retrieved April, 2020.

- ---, 2018. Housing Summary, filtered by Summit County, Green, New Franklin, and Coventry.
- ---, 2020, Zip Code shapefile.
- ---, 2020. American Community Survey. U.S. Census 2018. Housing Summary, filtered by Summit County, Green, New Franklin, and Coventry.
- U.S. Coast Guard, USCGboating.org, n.d. National Recreational Boating Survey 2011 https://www.uscgboating.org/assets/1/workflow_staging/News/614.pdf Retrieved Feb. 5, 2021.
- U.S. Department of Agriculture, 2017. Natural Resources Conservation Service (NRCS) Web Soil Survey. Gridded Soil Survey Geo for Summit, Stark, and Portage Counties, OH. Available online at https://websoilsurvey.nrcs.usda.gov/. Retrieved Jan., 2017
- ---, 2004. Riparian Restoration, p. 4. Accessed June, 2020 from: http://www.remarkableriparian.org/pdfs/pubs/TR_1737-22.pdf
- ---, Farm Service Agency, 2017. NAIP imagery August, 2018. M_4008104, M_4008105, M_4008106, M_4008160, M_4008162 series. https://earthexplorer.usgs.gov/ Obtained March, 2017.
- ---, NAIP imagery 2010-2015 NAIP imagery https://www.fsa.usda.gov/programs-and-services/aerial-photography/imagery-programs/naip-imagery/
- ---, 2020. Double-Crested Cormorant Damage Management in Ohio. https://downloads.regulations.gov/APHIS-2020-0115-0001/content.pdf Retrieved Feb., 2021.
- ---, 2021, Cooperative Extension, 2021. Invasive Species. https://invasive-species.extension.org/what-is-the-best-way-to-report-the-occurrence-of-an-invasive-species/ Accessed Mar., 2021.
- U.S. Environmental Protection Agency (EPA), 2018. Spreadsheet Tool for Estimating Pollutant Loads (STEPL) version 4.4. Polluted Runoff: Non-Point Source Pollution. https://www.epa.gov/nps/spreadsheet-tool-estimating-pollutant-loads-stepl. Retrieved June, 2020.
- U.S. Geological Survey (USGS), 2017. National Hydrologic Dataset (NHD): HUC-12 Watershed Boundaries Muskingum Watershed, NHD_H_05040001_GDB.gdb National Hydrologic Database. Obtained Nov., 2017 from <a href="https://www.usgs.gov/core-science-systems/ngp/national-hydrography/national-hydrography-dataset?qt-science_support_page_related_con=0#qt-science_support_page_related_con
- ---, 2017. The Land Cover Database. 2016 Canopy Cover Obtained Feb., 2018 from https://www.mrlc.gov/data?f%5B0%5D=category%3Aland%20cover&f%5B1%5D=year%3A2016
- ---, 2018. USGS, The National Map. U.S. Geological Survey, 20180212, USGS 13 arc-second n41w082 1 x 1 degree; n42w082 1 x 1 degree.: U.S. Geological Survey. Retrieved from thenationalmap.gov April, 2020.
- ---, 2021, StreamStats https://streamstats.usgs.gov/ss/ Accessed March, 2021.
- U.S. Green Building Council. This is LEED. Accessed March, 2021. http://leed.usgbc.org/leed.html
- University of Florida Center for Aquatic Invasive Plants, 2021. *Lyngbya Species*. https://plants.ifas.ufl.edu/plant-directory/lyngbya-species/ accessed Feb., 2021.

- Vermont Department of Environmental Control (VDEC) 2021. Vermont Dept. of Environmental Conservation (VDEC) https://dec.vermont.gov/watershed/lakes-ponds/aquatic-invasives/control Accessed Mar., 2021.
- Vermont Invasive Patrollers, 2021. https://dec.vermont.gov/watershed/lakes-ponds/aquatic-invasives/monitoring/vips Accessed Mar., 2021.
- Vogenittz, Carolyn, 1999. Portage Lakes Then and Now. Waterside Publishing, Akron, OH.
- Voshell, J., 2007. A Guide to Common Freshwater Invertebrates of North America. McDonald and Woodward Publishing, Blacksburg, VA. Pp. 17-37.
- Wagner, Curtis. 2020. Ohio DNR Fish and Wildlife Div. 3, Akron, OH. Pers. commun.
- Walker, J.L., T. Younos, and C. Zipper, 2007. Nutrients in Lakes and Reservoirs A Literature Review for Use in Nutrient Criteria Development. Virginia Tech Water Resources Center. VWRRC Special Report SR34-2007. Blacksburg, VA. <a href="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/10919/49481/VWRRC_sr200734.pdf?sequence="https://vtechworks.lib.vt.edu/bitstream/handle/
- Water on the Web, 2004. Understanding Lake Ecology. This is a closed site, but it has good background information https://www.waterontheweb.org/under/lakeecology/index.html Accessed May, 2020.
- Watson, S. B., E. MacCauley, and J. Downing, 1997. Patterns in Phytoplankton Taxonomic Composition Across Temperate Lakes of Differing Nutrient Status. Limnol. Oceanogr. 42(3):487-495. American Limnological Society. https://aslopubs.onlinelibrary.wiley.com/doi/10.4319/lo.1997.42.3.0487 retrieved April, 2020.
- Wayne Co., OH Engineer, 2016. GIS shapefiles jurisdictions. Obtained 2016.
- Weather Spark, 2020. Average Weather in Akron, OH. https://weatherspark.com/y/18132/Average-Weather-in-Akron-Ohio-United-States-Year-Round accessed Aug., 2020.
- Weather Underground, 2020. Akron, OH Weather Conditions. https://www.wunderground.com/weather/us/oh/akron, accessed Feb., 2021;
- Western Reserve Land Conservancy (WRLC) 2013. Parks and Protected Land dataset. Obtained 2013.
- White, Eric M., et al, 2016. Federal outdoor recreation trends: effects on economic opportunities. Gen. Tech. Rep. PNW-GTR-945. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Station. 46 p https://www.fs.usda.gov/treesearch/pubs/53247 retrieved Feb., 2021.
- ---, 2016, Bowker, J.M.; Askew, Ashley E.; Langner, Linda L.; Arnold, J. Ross; English, Donald B.K. 2016. Federal outdoor recreation trends: effects on economic opportunities. Gen. Tech. Rep. PNW-GTR-945. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Station. 46 p https://www.fs.usda.gov/treesearch/pubs/53247 retrieved Feb., 2021.
- Wisconsin Dept. of Natural Resources, Aquatic Plants, https://dnr.wisconsin.gov/topic/lakes/plants, Aquatic Plant Management in Wisconsin https://dnr.wi.gov/lakes/plants/research/ap/UWEXLakes/Pages/ecology/aquaticplants/default.aspx, https://dnr.wi.gov/lakes/plants/research/
- Woods, A.J., J.M. Omernik, C.S. Brockman, T.D. Gerber, W.D. Hosteter, and S.H. Azevedo. 1998. Ecoregions of Indiana and Ohio (2-sided color poster with map, descriptive text, summary tables, and photographs). U.S. Geological Survey, Reston, VA. Scale 1:500,000. Retrieved June 18, 2020, from: https://www.epa.gov/eco-research/ecoregion-download-files-state-region-5#pane-33