List of references

Anderson, N. J., Bennike, O., Christoffersen, K., Jeppesen, E., Markager, S., Miller, G., & Renberg, I. (1999). Limnological and palaeolimnological studies of lakes in south-western Greenland. *Geology of Greenland Survey Bulletin* 183: 68-74. https://doi.org/10.34194/ggub.v183.5207

Anthony, K., Zimov, S., Grosse, G., Jones, M. C., Anthony, P., FS III, C., Finlay, J., Mack, M., Davydov, S., & Frenzel, P. (2014). A shift of thermokarst lakes from carbon sources to sinks during the Holocene epoch. *Nature* 511: 452-456. https://doi.org/10.1038/nature/13560

Antoniades, D., Veillette, J., Martineau, M.-J., Belzile, C., Tomkins, J., Pienitz, R., Lamoureux, S., & Vincent, W. F. (2009). Bacterial dominance of phototrophic communities in a High Arctic lake and its implications for paleoclimate analysis. *Polar Science* 3: 147-161. https://doi.org/10.1016/j.polar.2009.05.002

Apollonio, S., & Saros, J. E. (2014). Temporal and spatial dynamics of ice-covered Upper Dumbell Lake (Ellesmere Island, Arctic Canada) during the summer of 1959. *Arctic, Antarctic, and Alpine Research* 46: 293-307. https://doi.org/10.1657/1938-4246-46.2.293

Barnes, D. F. (1960). *An investigation of a perennially frozen lake*. Geophysics Research Directorate, Air Force Cambridge Research Laboratories.

Bégin, P. N., Tanabe, Y., Kumagai, M., Culley, A. I., Paquette, M., Sarrazin, D., Uchida, M., & Vincent, W. F. (2021). Extreme warming and regime shift toward amplified variability in a far northern lake. *Limnology and Oceanography* 66: S17-S29.

Bégin, P. N., Tanabe, Y., Rautio, M., Wauthy, M., Laurion, I., Uchida, M., Culley, A. I., & Vincent, W. F. (2021). Water column gradients beneath the summer ice of a High Arctic freshwater lake as indicators of sensitivity to climate change. *Scientific Reports* 11: 1-12. https://doi.org/10.1038/s41598-021-82234-z

Boereboom, T., Depoorter, M., Coppens, S., & Tison, J.-L. (2012). Gas properties of winter lake ice in Northern Sweden: implication for carbon gas release. *Biogeosciences* 9: 827-838. https://doi.org/10.5194/bg-9-827-2012

Borough, N. S., & Barrow, A. (2010). *Surveys of fish in the Teshekpuk Lake region during 2006-2007, with comparisons to previous sampling*.

Bouchard, F., Laurion, I., Prėskienis, V., Fortier, D., Xu, X., & Whiticar, M. J. (2015). Modern to millennium-old greenhouse gases emitted from ponds and lakes of the Eastern Canadian Arctic (Bylot Island, Nunavut). *Biogeosciences* 12: 7279-7298. https://doi.org/10.5194/bg-12-7279-2015

Budy, P., Pennock, C. A., Giblin, A. E., Luecke, C., White, D. L., & Kling, G. W. (2022). Understanding the effects of climate change via disturbance on pristine arctic lakes—multitrophic level response and recovery to a 12‐yr, low‐level fertilization experiment. *Limnology and Oceanography* 67: S224-S241. https://doi.org/10.1002/lno.11893

Cabrol, L., Thalasso, F., Gandois, L., Sepulveda-Jauregui, A., Martinez-Cruz, K., Teisserenc, R., Tananaev, N., Tveit, A., Svenning, M. M., & Barret, M. (2020). Anaerobic oxidation of methane and associated microbiome in anoxic water of Northwestern Siberian lakes. *Science of the Total Environment* 736: 139588. https://doi.org/10.1016/j.scitotenv.2020.139588

Cadieux, S. B., White, J. R., & Pratt, L. M. (2017). Exceptional summer warming leads to contrasting outcomes for methane cycling in small Arctic lakes of Greenland. *Biogeosciences* 14: 559–574. https://doi.org/10.5194/bg-14-559-2017

Chambers, M. K., White, D. M., Lilly, M. R., Hinzman, L. D., Hilton, K. M., & Busey, R. C. (2008). Exploratory Analysis of the Winter Chemistry of Five Lakes on the North Slope of Alaska 1. *JAWRA Journal of the American Water Resources Association* 44: 316-327. https://doi.org/10.1111/j.1752-1688.2007.00164.x

Choulik, O., & Moore, T. (1992). Response of a subarctic lake chain to reduced sewage loading. *Canadian Journal of Fisheries and Aquatic Sciences* 49: 1236-1245. https://doi.org/10.1139/f92-139

Clilverd, H., White, D., & Lilly, M. (2009). Chemical and physical controls on the oxygen regime of ice-covered arctic lakes and reservoirs. *Journal of the American Water Resources Association* 45: 500-511. https://doi.org/10.1111/j.1752-1688.2009.00305.x

Cortés, A., & MacIntyre, S. (2020). Mixing processes in small arctic lakes during spring. *Limnology and Oceanography* 65: 260-288. 10.1002/lno.11296

Coulombe, O., Bouchard, F., & Pienitz, R. (2016). Coupling of sedimentological and limnological dynamics in subarctic thermokarst ponds in Northern Québec (Canada) on an interannual basis. *Sedimentary Geology* 340: 15-24. https://doi.org/10.1016/j.sedgeo.2016.01.012

Cremer, H., Bennike, O., Håkansson, L., Hultzsch, N., Klug, M., Kobabe, S., & Wagner, B. (2005). Hydrology and diatom phytoplankton of high Arctic lakes and ponds on Store Koldewey, Northeast Greenland. *International Review of Hydrobiology: A Journal Covering all Aspects of Limnology and Marine Biology* 90: 84-99. https://doi.org/10.1002/iroh.200410738

Cremer, H., & Wagner, B. (2003). The diatom flora in the ultra-oligotrophic Lake El'gygytgyn, Chukotka. *Polar Biology* 26: 105-114. https://doi.org/10.1007/s00300-002-0445-0

Crevecoeur, S., Vincent, W. F., Comte, J., & Lovejoy, C. (2015). Bacterial community structure across environmental gradients in permafrost thaw ponds: methanotroph-rich ecosystems. *Frontiers in Microbiology* 6: 192. https://doi.org/10.3389/fmicb.2015.00192

Daniels, W. C., Kling, G. W., & Giblin, A. E. (2015). Benthic community metabolism in deep and shallow Arctic lakes during 13 years of whole–lake fertilization. *Limnology and Oceanography* 60: 1604-1618. https://doi.org/10.1002/lno.10120

Deshpande, B. N., MacIntyre, S., Matveev, A., & Vincent, W. F. (2015). Oxygen dynamics in permafrost thaw lakes: Anaerobic bioreactors in the C anadian subarctic. *Limnology and Oceanography* 60: 1656-1670. https://doi.org/10.1002/lno.10126

Deshpande, B. N., Maps, F., Matveev, A., & Vincent, W. F. (2017). Oxygen depletion in subarctic peatland thaw lakes. *Arctic Science* 3: 406-428. https://doi.org/10.1139/as-2016-0048

Dugan, H. A., & Lamoureux, S. F. (2011). The chemical development of a hypersaline coastal basin in the High Arctic. *Limnology and Oceanography* 56: 495-507. https://doi.org/10.4319/lo.2011.56.2.0495

Dugan, H. A., Lamoureux, S. F., Lewis, T., & Lafrenière, M. J. (2012). The impact of permafrost disturbances and sediment loading on the limnological characteristics of two high Arctic lakes. *Permafrost and Periglacial Processes* 23: 119-126. https://doi.org/10.1002/ppp.1735

Dyck, M. G. (2007). Community monitoring of environmental change: College-based limnological studies at Crazy Lake (Tasirluk), Nunavut. *Arctic* 60: 55-61. http://dx.doi.org/10.14430/arctic265

Faithful, J. W. (2016). Physico-chemical changes in two northern headwater lakes in the Northwest Territories, Canada, during winter to spring seasonal transitions. *Journal of Great Lakes Research* 42: 166-172. https://doi.org/10.1016/j.jglr.2016.01.004

Forsström, L., Sorvari, S., Rautio, M., Sonninen, E., & Korhola, A. (2007). Changes in physical and chemical limnology and plankton during the spring melt period in a subarctic lake. *International Review of Hydrobiology* 92: 301-325. https://doi.org/10.1002/iroh.200610928

Francus, P., Bradley, R. S., Lewis, T., Abbott, M., Retelle, M., & Stoner, J. S. (2008). Limnological and sedimentary processes at Sawtooth Lake, Canadian High Arctic, and their influence on varve formation. *Journal of Paleolimnology* 40: 963-985. https://doi.org/10.1007/s10933-008-9210-x

Garcia, S. L., Mehrshad, M., Buck, M., Tsuji, J. M., Neufeld, J. D., McMahon, K. D., Bertilsson, S., Greening, C., & Peura, S. (2021). Freshwater Chlorobia exhibit metabolic specialization among cosmopolitan and endemic populations. *Msystems* 6: e01196-20. https://doi.org/10.1128/mSystems.01196-20

Gibson, J. A., Vincent, W. F., Van Hove, P., Belzile, C., Wang, X., & Muir, D. (2002). Geochemistry of ice-covered, meromictic Lake A in the Canadian High Arctic. *Aquatic Geochemistry* 8: 97-119. https://doi.org/10.1023/A:1021317010302

Hazuková, V., Burpee, B., McFarlane‐Wilson, I., & Saros, J. (2021). Under ice and early summer phytoplankton dynamics in two arctic lakes with differing DOC. *Journal of Geophysical Research: Biogeosciences* 126: e2020JG005972. https://doi.org/10.1029/2020JG005972

He, R., Wooller, M. J., Pohlman, J. W., Quensen, J., Tiedje, J. M., & Leigh, M. B. (2012). Diversity of active aerobic methanotrophs along depth profiles of arctic and subarctic lake water column and sediments. *The ISME journal* 6: 1937-1948. https://doi.org/10.1038/ismej.2012.34

Hognestad, P. T. (1994). The Lake Rossfjord herring (Clupea harengus L.) and its environment. *ICES Journal of Marine Science* 51: 281-292. https://doi.org/10.1006/jmsc.1994.1029

Hughes‐Allen, L., Bouchard, F., Laurion, I., Séjourné, A., Marlin, C., Hatté, C., Costard, F., Fedorov, A., & Desyatkin, A. (2021). Seasonal patterns in greenhouse gas emissions from thermokarst lakes in Central Yakutia (Eastern Siberia). *Limnology and Oceanography* 66: S98-S116. https://doi.org/10.1002/lno.11665

Hunding, C. (1979). The oxygen balance of Lake Mývatn, Iceland. *Oikos*: 139-150. https://doi.org/10.2307/3544224

Hutchinson, N., Hadley, K. R., Nesbitt, R., & Manzo, L. (2018). *Establishing baseline limnological conditions in Baker Lake, Nunavut*. https://doi.org/10.35298/pkc.2018.10

Johnson, L. (1975). Physical and chemical characteristics of Great Bear Lake, Northwest territories. *Journal of the Fisheries Board of Canada* 32: 1971-1987. https://doi.org/10.1139/f75-234

Kallistova, A., Kadnikov, V., Rusanov, I., Kokryatskaya, N., Beletsky, A., Mardanov, A., Savvichev, A., Ravin, N., & Pimenov, N. (2018). Microbial communities involved in aerobic and anaerobic methane cycling in a meromictic ferruginous subarctic lake. *Aquatic Microbial Ecology* 82: 1-18. https://doi.org/10.3354/ame01878

Klanten, Y., Triglav, K., Marois, C., & Antoniades, D. (2021). Under-ice limnology of coastal valley lakes at the edge of the Arctic Ocean. *Arctic Science* 7: 813-831. https://doi.org/10.1139/as-2020-0038

Labbé, M., Girard, C., Vincent, W. F., & Culley, A. I. (2020). Extreme viral partitioning in a marine-derived high arctic lake. *MSphere* 5. https://doi.org/10.1128/mSphere.00334-20

LaPerriere, J. D., Jones, J. R., & Swanson, D. K. (2003). Limnology of lakes in Gates of the Arctic National Park and Preserve, Alaska. *Lake and Reservoir Management* 19: 108-121. https://doi.org/10.1080/07438140309354077

Lastein, E. (1983). Decomposition and sedimentation processes in oligotrophic, subarctic Lake Thingvalla, Iceland. *Oikos*: 103-112. https://doi.org/10.2307/3544204

Lehnherr, I., St Louis, V. L., Sharp, M., Gardner, A. S., Smol, J. P., Schiff, S. L., Muir, D. C., Mortimer, C. A., Michelutti, N., & Tarnocai, C. (2018). The world’s largest High Arctic lake responds rapidly to climate warming. *Nature Communications* 9: 1-9. https://doi.org/10.1038/s41467-018-03685-z

Leppi, J. C., Arp, C. D., & Whitman, M. S. (2016). Predicting late winter dissolved oxygen levels in arctic lakes using morphology and landscape metrics. *Environmental Management* 57: 463-473. https://doi.org/10.1007/s00267-015-0622-x

Lewis, T., Lamoureux, S. F., Normandeau, A., & Dugan, H. A. (2017). Hyperpycnal flows control the persistence and flushing of hypoxic high-conductivity bottom water in a High Arctic lake. *Arctic Science* 4: 25-41. https://doi.org/10.1139/as-2017-0022

Lionard, M., Pequin, B., Lovejoy, C., & Vincent, W. F. (2012). Benthic cyanobacterial mats in the high Arctic: multi-layer structure and fluorescence responses to osmotic stress. *Frontiers in Microbiology* 3: 10. https://doi.org/10.3389/fmicb.2012.00140

Ludlam, S. D. (1996). The comparative limnology of high arctic, coastal, meromictic lakes. *Journal of Paleolimnology* 16: 111-131. https://doi.org/10.1007/BF00176931

MacIntyre, S., & Cortes, A. (2017). Time series of water temperature, specific conductance and oxygen from Lake E1, North Slope, Alaska, 2015-2016. [Dataset]. https://doi.org/10.18739/A2CJ87M3J.

MacIntyre, S., Cortés, A., & Sadro, S. (2018). Sediment respiration drives circulation and production of CO2 in ice‐covered Alaskan arctic lakes. *Limnology and Oceanography Letters* 3: 302-310. https://doi.org/10.1002/lol2.10083

Markager, S., Vincent, W. F., & Tang, E. P. Y. (1999). Carbon fixation by phytoplankton in high Arctic lakes: Implications of low temperature for photosynthesis. *Limnology and Oceanography* 44: 597-607. https://doi.org/10.4319/lo.1999.44.3.0597

Marois, C., Girard, C., Klanten, Y., Vincent, W. F., Culley, A. I., & Antoniades, D. (2022). Local Habitat Filtering Shapes Microbial Community Structure in Four Closely Spaced Lakes in the High Arctic. *Frontiers in Microbiology*: 251. https://doi.org/10.3389/fmicb.2022.779505

Matveev, A., Laurion, I., Deshpande, B. N., Bhiry, N., & Vincent, W. F. (2016). High methane emissions from thermokarst lakes in subarctic peatlands. *Limnology and Oceanography* 61: S150-S164. https://doi.org/10.1002/lno.10311

Matveev, A., Laurion, I., & Vincent, W. F. (2019). Winter accumulation of methane and its variable timing of release from thermokarst lakes in subarctic peatlands. *Journal of Geophysical Research: Biogeosciences* 124: 3521-3535. https://doi.org/10.1029/2019JG005078

McIntosh Marcek, H. A., Lesack, L. F., Orcutt, B. N., Wheat, C. G., Dallimore, S. R., Geeves, K., & Lapham, L. L. (2021). Continuous dynamics of dissolved methane over 2 years and its carbon isotopes (δ13C, Δ14C) in a small Arctic lake in the Mackenzie Delta. *Journal of Geophysical Research: Biogeosciences* 126: e2020JG006038. https://doi.org/10.1029/2020JG006038

Michaud, A. B., & Apollonio, S. (2022). Overwinter oxygen and silicate dynamics in a high Arctic lake (Immerk Lake, Devon Island, Canada). *Inland Waters*: 1-28. https://doi.org/10.1080/20442041.2022.2063623

Mohr, J. L., Reish, D. J., Barnard, J. L., Lewis, R. W., & Geiger, S. R. (1961). The Marine Nature of Nuwuk Lake and Small Ponds of the Peninsula of Point Barrow Alaska. *Arctic* 14: 210-223. https://doi.org/10.14430/arctic3675

Mortimer, C. H. (1971). Chemical exchanges between sediments and water in the great lakes- Speculations on probable regulatory mechanisms. *Limnology and Oceanography* 16: 387-404. https://doi.org/10.4319/lo.1971.16.2.0387

Oliver, D. (1964). A limnological investigation of a large arctic lake, Nettilling Lake, Baffin Island. *Arctic* 17: 69-83.

Palmer, M. J., Chételat, J., Jamieson, H. E., Richardson, M., & Amyot, M. (2021). Hydrologic control on winter dissolved oxygen mediates arsenic cycling in a small subarctic lake. *Limnology and Oceanography* 66: S30-S46. https://doi.org/10.1002/lno.11556

Palmer, M. J., Chételat, J., Richardson, M., Jamieson, H. E., & Galloway, J. M. (2019). Seasonal variation of arsenic and antimony in surface waters of small subarctic lakes impacted by legacy mining pollution near Yellowknife, NT, Canada. *Science of the Total Environment* 684: 326-339. https://doi.org/10.1016/j.scitotenv.2019.05.258

Paquette-Struger, B., Wrona, F. J., Atkinson, D., & Di Cenzo, P. (2018). Seasonal Variations in the Limnology of Noell Lake in the Western Canadian Arctic Tracked by In Situ Observation Systems. *Arctic* 71: 149-166. https://doi.org/10.14430/arctic4716

Phillips, J. S. (2020). Time‐varying responses of lake metabolism to light and temperature. *Limnology and Oceanography* 65: 652-666. https://doi.org/10.1002/lno.11333

Pouliot, J., Galand, P. E., Lovejoy, C., & Vincent, W. F. (2009). Vertical structure of archaeal communities and the distribution of ammonia monooxygenase A gene variants in two meromictic High Arctic lakes. *Environmental Microbiology* 11: 687-699. https://doi.org/10.1111/j.1462-2920.2008.01846.x

Prėskienis, V., Laurion, I., Bouchard, F., Douglas, P. M., Billett, M. F., Fortier, D., & Xu, X. (2021). Seasonal patterns in greenhouse gas emissions from lakes and ponds in a High Arctic polygonal landscape. *Limnology and Oceanography* 66: S117-S141. https://doi.org/10.1002/lno.11660

Przytulska, A., Comte, J., Crevecoeur, S., Lovejoy, C., Laurion, I., & Vincent, W. (2016). Phototrophic pigment diversity and picophytoplankton in permafrost thaw lakes. *Biogeosciences* 13: 13-26. https://doi.org/10.5194/bg-13-13-2016

Pulkkanen, M., & Salonen, K. (2013). Accumulation of low oxygen water in deep waters of ice-covered lakes cooled below 4 C. *Inland Waters* 3: 15-24. https://doi.org/10.5268/IW-3.1.514

Rawson, D. (1950). The physical limnology of Great Slave Lake. *Journal of the Fisheries Board of Canada* 8: 3-66. https://doi.org/10.1139/f50-001

Røen, U. I. (1962). *Studies on freshwater Entomostraca in Greenland II Localities, ecology, and geographical distribution of species*. Medd. om Gronland.

Savvichev, A. S., Kadnikov, V. V., Rusanov, I. I., Beletsky, A. V., Krasnova, E. D., Voronov, D. A., Kallistova, A. Y., Veslopolova, E. F., Zakharova, E. E., & Kokryatskaya, N. M. (2020). Microbial processes and microbial communities in the water column of the polar meromictic Lake Bol’shie Khruslomeny at the White Sea Coast. *Frontiers in Microbiology*: 1945. https://doi.org/10.3389/fmicb.2020.01945

Schindler, D., Kalff, J., Welch, H., Brunskill, G., Kling, H., & Kritsch, N. (1974). Eutrophication in the High Arctic—Meretta Lake, Cornwallis Island (75 N Lat.). *Journal of the Fisheries Board of Canada* 31: 647-662. https://doi.org/10.1139/f74-096

Schindler, D., Welch, H., Kalff, J., Brunskill, G., & Kritsch, N. (1974). Physical and chemical limnology of Char Lake, Cornwallis Island (75 N lat.). *Journal of the Fisheries Board of Canada* 31: 585-607. https://doi.org/10.1139/f74-092

Schütte, U. M. E., Cadieux, S. B., Hemmerich, C., Pratt, L. M., & White, J. R. (2016). Unanticipated geochemical and microbial community structure under seasonal ice cover in a dilute, dimictic arctic lake. *Frontiers in Microbiology* 7: 1035. https://doi.org/10.3389/fmicb.2016.01035

Somers, D. J., Strock, K. E., & Saros, J. E. (2020). Environmental controls on microbial diversity in arctic lakes of West Greenland. *Microbial Ecology* 80: 60-72. https://doi.org/10.1007/s00248-019-01474-9

Stewart, E. M., Hargan, K. E., Sivarajah, B., Kimpe, L. E., Blais, J. M., & Smol, J. P. (2018). A paleoenvironmental study tracking eutrophication, mining pollution, and climate change in Niven Lake, the first sewage lagoon of Yellowknife (Northwest Territories). *Arctic* 71: 201-217. https://doi.org/10.14430/arctic4720

Tan, Z., Zhuang, Q., Shurpali, N. J., Marushchak, M. E., Biasi, C., Eugster, W., & Walter Anthony, K. (2017). Modeling CO 2 emissions from A rctic lakes: Model development and site‐level study. *Journal of Advances in Modeling Earth Systems* 9: 2190-2213. https://doi.org/10.1002/2017MS001028

Thalasso, F., Sepulveda-Jauregui, A., Gandois, L., Martinez-Cruz, K., Gerardo-Nieto, O., Astorga-España, M. S., Teisserenc, R., Lavergne, C., Tananaev, N., & Barret, M. (2020). Sub-oxycline methane oxidation can fully uptake CH4 produced in sediments: case study of a lake in Siberia. *Scientific Reports* 10: 1-7. https://doi.org/10.1038/s41598-020-60394-8

Thorbergsdóttir, I. M., Reynir Gíslason, S., Ingvason, H. R., & Einarsson, A. (2004). Benthic oxygen flux in the highly productive subarctic Lake Myvatn, Iceland: In situ benthic flux chamber study. *Aquatic Ecology* 38: 177-189. https://doi.org/10.1023/B:AECO.0000032057.95464.ad

Tomkins, J. D., Lamoureux, S. F., Antoniades, D., & Vincent, W. F. (2009). Sedimentology of perennial ice-covered, meromictic Lake A, Ellesmere Island, at the northern extreme of Canada. *Canadian Journal of Earth Sciences* 46: 83-100. https://doi.org/10.1139/E09-008

Van Hove, P., Belzile, C., Gibson, J. A. E., & Vincent, W. F. (2006). Coupled landscape-lake evolution in High Arctic Canada. *Canadian Journal of Earth Sciences* 43: 533-546. https://doi.org/10.1139/e06-003

Viehberg, F. A., & Pienitz, R. (2017). Trends in Ostracoda and Cladocera distribution and water chemistry in subarctic Canada: Churchill (Manitoba) lakes and ponds revisited. *Journal of Limnology* 76: 451-468. https://doi.org/10.4081/jlimnol.2017.1578

Vigneron, A., Cruaud, P., Culley, A. I., Couture, R.-M., Lovejoy, C., & Vincent, W. F. (2021). Genomic evidence for sulfur intermediates as new biogeochemical hubs in a model aquatic microbial ecosystem. *Microbiome* 9: 1-14. https://doi.org/10.1186/s40168-021-00999-x

Wauthy, M., & Rautio, M. (2020). Emergence of steeply stratified permafrost thaw ponds changes zooplankton ecology in subarctic freshwaters. *Arctic, Antarctic, and Alpine Research* 52: 177-190. https://doi.org/10.1080/15230430.2020.1753412

Whalen, S., & Cornwell, J. (1985). Nitrogen, phosphorus, and organic carbon cycling in an arctic lake. *Canadian Journal of Fisheries and Aquatic Sciences* 42: 797-808. https://doi.org/10.1139/f85-102

White, D. M., Clilverd, H. M., Tidwell, A. C., Little, L., Lilly, M. R., Chambers, M., & Reichardt, D. (2008). A tool for modeling the winter oxygen depletion rate in arctic lakes. *Journal of the American Water Resources Association* 44: 293-304. https://doi.org/10.1111/j.1752-1688.2007.00162.x

Whiteford, E. J., McGowan, S., Barry, C. D., & Anderson, N. J. (2016). Seasonal and regional controls of phytoplankton production along a climate gradient in South-West Greenland during ice-cover and ice-free conditions. *Arctic, Antarctic, and Alpine Research* 48: 139-159. https://doi.org/10.1657/AAAR0015-003

Willemse, N. W. (2002). *Holocene sedimentation history of the shallow Kangerlussuaq lakes, west Greenland*. Museum Tusculanum Press.

Wisniewski, V. E. (2020). Seasonal Variations in the Limnology and Ecosystem Metabolism of a Canadian high-Arctic Permafrost Thaw Lake. (Doctoral dissertation). University of Toronto (Canada).

Young, S. A., Cadieux, S. B., Peng, Y., White, J. R., & Pratt, L. M. (2018). Seasonal changes in sulfur biogeochemistry of a dilute, dimictic Arctic lake: Implications for paired sulfur isotope records from ancient oceans. *Chemical Geology* 495: 118-130. https://doi.org/10.1016/j.chemgeo.2018.08.013