

# corePackages

2023-06-08

This document contains metadata for the core NTL-LTER datasets

## Madison Wisconsin Daily Meteorological Data 1869 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.20.36>

**Variables include:** year4, sampleddate, max\_air\_temp\_adjusted, max\_air\_temp\_raw, min\_air\_temp\_adjusted, min\_air\_temp\_raw, ave\_air\_temp\_adjusted, ave\_air\_temp\_raw, range\_air\_temp\_adjusted, precip\_raw\_mm, snow\_raw\_cm, snow\_depth\_cm, data\_status

**Date Range:** 1869-01-01 - 2022-12-31

## North Temperate Lakes LTER: Meteorological Data - Woodruff Airport 1989 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.17.37>

**Variables include:** year4, sampleddate, daynum, avg\_air\_temp, flag\_avg\_air\_temp, max\_air\_temp, flag\_max\_air\_temp, min\_air\_temp, flag\_min\_air\_temp, avg\_dewpoint\_temp, flag\_avg\_dewpoint\_temp, max\_dewpoint\_temp, flag\_max\_dewpoint\_temp, min\_dewpoint\_temp, flag\_min\_dewpoint\_temp, avg\_rel\_hum, flag\_avg\_rel\_hum, max\_rel\_hum, flag\_max\_rel\_hum, min\_rel\_hum, flag\_min\_rel\_hum, avg\_barom\_pres\_mbar, flag\_avg\_barom\_pres\_mbar, avg\_wind\_speed, flag\_avg\_wind\_speed, max\_wind\_speed\_1min, flag\_max\_wind\_speed\_1min, direction\_peak\_wind, flag\_direction\_peak\_wind, avg\_par, flag\_avg\_par, avg\_shortwave\_rad, flag\_avg\_shortwave\_rad, avg\_sol\_rad, flag\_avg\_sol\_rad, avg\_longwave\_rad, flag\_avg\_longwave\_rad, tot\_precip, flag\_tot\_precip

**Date Range:** 1989-01-01 - 2022-12-31

## North Temperate Lakes LTER Soil Temperature - Woodruff Airport 2006 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.133.32>

**Variables include:** year4, sampleddate, daynum, depth, avg\_soiltemp, flag\_avg\_soiltemp

**Date Range:** 2006-08-18 - 2022-12-31

## Minocqua Dam Daily Meteorological Data at North Temperate Lakes LTER 1978 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.18.34>

**Variables include:** year4, sampleddate, min\_air\_temp, max\_air\_temp, precip, snow, snow\_depth, data\_status

**Date Range:** 1978-01-01 - 2022-12-31

## Minocqua Dam Monthly Meteorological Data at North Temperate Lakes LTER 1905 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.19.32>

**Variables include:** year, month, mean\_air\_temp, mean\_min\_air\_temp, mean\_max\_air\_temp, precip, snow, data\_status

## North Temperate Lakes LTER: Physical Limnology of Primary Study Lakes 1981 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.29.35>

**Variables include:** lakeid, year4, sampleddate, depth, rep, sta, event, wtemp, o2, o2sat, deck, light, frlight, flagdepth, flagwtemp, flago2, flago2sat, flagdeck, flaglight, flagfrlight

**Date Range:** 1981-04-22 - 2022-11-18

### Lakes included:

**AL**, depths include: 0, 0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7

**BM**, depths include: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

**CB**, depths include: 0, 0.25, 0.5, 0.75, 1, 1.25, 1.5, 1.75, 2

**CR**, depths include: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

**FI**, depths include: 0, 1, 2, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 12, 13, 14, 15, 16, 17, 18, 19

**ME**, depths include: 0, 1, 2, 3, 4, 5, 6, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 12.5, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 24.5

**MO**, depths include: 0, 1, 2, 3, 4, 5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10, 10.5, 11, 11.5, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

**SP**, depths include: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18

**TB**, depths include: 0, 0.25, 0.5, 0.75, 1, 1.25, 1.5, 1.75, 2, 2.25, 2.5, 2.75, 3, 4, 5, 6, 7

**TR**, depths include: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32

**WI**, depths include: 0, 1, 2, 3, 3.5, 3.6

## North Temperate Lakes LTER: Physical Limnology of Lake Kegonsa and Lake Waubesa 1995 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.264.23>

**Variables include:** lakeid, year4, sampleddate, depth, sta, wtemp, o2, o2sat

**Date Range:** 1994-07-05 - 2020-03-06

**Lakes included:**

**KE**, depths include: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 9.5

**WA**, depths include: 0, 1, 2, 3, 4, 5, 6, 6.5, 7, 7.5, 8, 9, 10, 10.5, 11

## **North Temperate Lakes LTER: Snow and Ice Depth 1982 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.34.34>

**Variables include:** lakeid, year4, daynum, sampledate, sta, nsnow, avsnow, sdsnow, wlevel, totice, nice, whiteice, blueice

**Date Range:** 1982-01-18 - 2023-03-21

**Lakes included:** AL, BM, CB, CR, FI, ME, MO, SP, TB, TR, WI

## **North Temperate Lakes LTER: Ice Duration - Trout Lake Area 1981 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.32.30>

**Variables include:** lakeid, sta, year, lastice, datelastice, firstopen, datefirstopen, lastopen, datelastopen, firstice, datefirstice

**Lakes included:** AL, BM, CB, CR, LR, SP, TB, TR

## **North Temperate Lakes LTER: Ice Duration - Madison Lakes Area 1853 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.33.37>

**Variables include:** lakeid, season, iceon, ice\_on, iceoff, ice\_off, ice\_duration, year4

**Lakes included:** ME, MO, WI

## **North Temperate Lakes LTER: Lake Levels 1981 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.30.27>

**Variables include:** lakeid, year4, daynum, sampledate, sta, llevel\_elevation

**Date Range:** 1981-04-23 - 2020-10-16

**Lakes included:** AL, BM, CB, CR, SP, TB, TR

## North Temperate Lakes LTER: Light Extinction 1981 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.259.18>

**Variables include:** lakeid, sampleddate, extcoef, lightext\_flag, comments

**Date Range:** 1981-04-22 - 2022-11-18

**Lakes included:** AL, BM, CB, CR, FI, KE, ME, MO, SP, TB, TR, WA, WI

## North Temperate Lakes LTER: Secchi Disk Depth; Other Auxiliary Base Crew Sample Data 1981 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.31.32>

**Variables include:** lakeid, year4, daynum, sampleddate, sta, secview, secnview, timeon, timeoff, airtemp, windir, windspd, waveht, cloud, ice

**Date Range:** 1981-04-22 - 2022-11-23

**Lakes included:** AL, BM, CB, CR, FI, ME, MO, SP, TB, TR, WI

## North Temperate Lakes LTER: Color - Trout Lake Area 1989 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.87.33>

**Variables include:** lakeid, year4, sampleddate, cuvette, wavelength, value, color\_flag

**Date Range:** 1989-11-07 - 2021-11-24

**Lakes included:** AL, al, BM, bm, CB, cb, CR, cr, SP, sp, TB, tb, TR, tr

## North Temperate Lakes LTER: Sediment Deposition - Trout Lake Area 1986 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.40.26>

**Variables include:** lakeid, year4, year\_fraction, start\_daynum, end\_daynum, duration, med\_daynum, med\_date, trap, size\_fraction, mass\_flux, particle\_mass\_mg, particle\_mass\_conc\_mg\_per\_l, volume\_l, ratio\_n, ratio\_c, ratio\_p, flux\_n, flux\_c, flux\_p, flag, comments

**Lakes included:** SP, TR, CR, NA

## Lake Mendota Multiparameter Sonde Profiles: 2017 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.400.4>

**Variables include:** lakeid, sampleddate, sampltime, depth, wtemp, do\_raw, do\_sat, ph, spec\_cond, chlor\_rfu, phyco\_rfu, turbidity, fdom, flag\_wtemp, flag\_do\_raw, flag\_do\_sat, flag\_ph, flag\_spec\_cond, flag\_chlor\_rfu, flag\_phyco\_rfu, flag\_turbidity, flag\_fdom

**Date Range:** 2017-09-29 - 2022-10-28

**Lakes included:**

**ME**, depths include: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

## **North Temperate Lakes LTER: Groundwater Chemistry 1984 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.10.24>

**Variables include:** wellid, year, sampleddate, daynum, ph, ph\_bubbled, cond, alk, dic, doc, no3no2, nh4n, totn, totp, drsi, brsi, cl, so4, ca, mg, na, k, fe, mn, flagph, flagph\_bubbled, flagalk, flagdic, flagdoc, flagno3no2, flagnh4n, flagtotn, flagtotp, flagdrsi, flagbrsi, flagcl, flagso4, flagca, flagmg, flagna, flagk, flagfe, flagmn

**Date Range:** 1984-11-07 - 2018-10-22

## **North Temperate Lakes LTER: Groundwater Levels 1984 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.9.23>

**Variables include:** year4, sampleddate, wellid, well\_level, flag

**Date Range:** 1984-04-23 - 2018-11-27

## **North Temperate Lakes LTER: Chemical Limnology of Primary Study Lakes: Major Ions 1981 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.2.37>

**Variables include:** lakeid, year4, daynum, sampleddate, depth, rep, sta, event, cl, so4, ca, mg, na, k, fe, mn, cond, flagcl, flagso4, flagca, flagmg, flagna, flagk, flagfe, flagmn, flagcond

**Date Range:** 1981-04-22 - 2019-11-18

**Lakes included:**

**AL**, depths include: 0, 2, 4, 6, 7

**BM**, depths include: 0, 5, 8, 10, 12, 16, 18, 19

**CB**, depths include: 0, 2

**CR**, depths include: 0, 5, 8, 10, 12, 15, 18, 19

**FI**, depths include: 0, 4, 8, 12, 16, 18

**ME**, depths include: 0, 8, 20

**MO**, depths include: 0, 8, 20

**SP**, depths include: 0, 5, 8, 10, 12, 15, 18

**TB**, depths include: 0, 2, 3, 5, 7

**TR**, depths include: 0, 8, 10, 15, 20, 27, 31, 32

**WI**, depths include: 0

## North Temperate Lakes LTER: Chemical Limnology of Primary Study Lakes: Nutrients, pH and Carbon 1981 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.1.59>

**Variables include:** lakeid, year4, daynum, sampledate, depth, rep, sta, event, ph, phair, alk, dic, tic, doc, toc, no3no2, no2, nh4, totnf, totnuf, totpf, totpuf, drsif, brsif, brsiuf, tpm, totnuf\_sloh, no3no2\_sloh, nh4\_sloh, kjdl\_n\_sloh, totpuf\_sloh, drp\_sloh, drsif\_sloh, flagdepth, flagph, flagphair, flagalk, flagdic, flagtic, flagdoc, flagtoc, flagno3no2, flagno2, flagnh4, flagtotnf, flagtotnuf, flagtotpf, flagtotpuf, flagdrsif, flagbrsif, flagbrsiuf, flagtpm, flagtotnuf\_sloh, flagno3no2\_sloh, flagnh4\_sloh, flagkjdl\_n\_sloh, flagtotpuf\_sloh, flagdrp\_sloh, flagdrsif\_sloh

**Date Range:** 1981-04-22 - 2021-11-24

**Lakes included:**

**AL**, depths include: 0, 2, 4, 6, 7

**BM**, depths include: 0, 5, 8, 10, 12, 16, 18, 19

**CB**, depths include: 0, 2

**CR**, depths include: 0, 3, 5, 8, 10, 12, 15, 18, 19

**FI**, depths include: 0, 4, 8, 10, 12, 14, 16, 18

**ME**, depths include: 0, 4, 8, 10, 12, 14, 16, 18, 20, 22

**MO**, depths include: 0, 4, 8, 10, 12, 14, 16, 18, 20

**SP**, depths include: 0, 3, 5, 8, 10, 12, 15, 17, 18

**TB**, depths include: 0, 2, 3, 5, 7

**TR**, depths include: 0, 5, 8, 10, 15, 20, 27, 31, 32

**WI**, depths include: 0

## North Temperate Lakes LTER: Physical and Chemical Limnology of Lake Kegonsa and Lake Waubesa 1994 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.401.2>

**Variables include:** lakeid, year4, daynum, sampledate, depth, rep, sta, wtemp, o2, o2sat, ph, phair, alk, totnuf\_sloh, no3no2\_sloh, nh4\_sloh, kjdl\_n\_sloh, totpuf\_sloh, drp\_sloh, drsif\_sloh, cl, so4, flagdepth, flagwtemp, flago2, flago2sat, flagph, flagphair, flagalk, flagtotnuf\_sloh, flagno3no2\_sloh, flagnh4\_sloh, flagkjdl\_n\_sloh, flagtotpuf\_sloh, flagdrp\_sloh, flagdrsif\_sloh, flagcl, flagso4

**Date Range:** 1994-07-05 - 2020-03-06

**Lakes included:**

**KE**, depths include: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 9.5

**WA**, depths include: 0, 1, 2, 3, 4, 5, 6, 6.5, 7, 7.5, 8, 9, 10, 10.5, 11

## North Temperate Lakes LTER: Chlorophyll - Madison Lakes Area 1995 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.38.28>

**Variables include:** lakeid, year4, sampleddate, depth\_range\_m, rep, tri\_chl\_spec, mono\_chl\_spec, phaeo\_spec, uncorrect\_chl\_fluor, correct\_chl\_fluor, phaeo\_fluor, flag\_spec, flag\_fluor

**Date Range:** 1995-01-24 - 2018-11-30

**Lakes included:** ME, MO, FI, WI

## North Temperate Lakes LTER: Chlorophyll - Trout Lake Area 1981 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.35.32>

**Variables include:** lakeid, year4, daynum, sampleddate, rep, sta, depth, chlor, phaeo, flagchlor, flagphaeo

**Date Range:** 1981-06-30 - 2021-11-24

**Lakes included:**

**AL**, depths include: 0, 2, 4, 6, 7

**BM**, depths include: 0, 3, 5, 8, 10, 12, 16, 18, 19

**CB**, depths include: 0, 1, 2

**CR**, depths include: 0, 3, 5, 8, 10, 12, 15, 18, 19

**SP**, depths include: 0, 3, 5, 8, 10, 12, 15, 17, 18

**TB**, depths include: 0, 2, 3, 5, 6, 7

**TR**, depths include: 0, 3, 5, 8, 10, 15, 20, 27, 31, 32

## North Temperate Lakes LTER: Phytoplankton - Madison Lakes Area 1995 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.88.31>

**Variables include:** lakeid, year4, sampleddate, sta, depth\_range, division, taxa\_name, gald, cells\_per\_nu, nu\_per\_ml, cells\_per\_ml, biovolume\_conc, biomass\_conc, relative\_total\_biovolume, genus

**Date Range:** 1995-01-24 - 2020-12-10

**Lakes included:** MO, ME, FI, WI

## North Temperate Lakes LTER: Phytoplankton - Trout Lake Area 1984 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.238.5>

**Variables include:** lakeid, year4, sampleddate, sta, depth\_range, division, taxa\_name, gald, cells\_per\_nu, nu\_per\_ml, cells\_per\_ml, biovolume\_conc, biomass\_conc, relative\_total\_biovolume, genus

**Date Range:** 1984-04-26 - 2006-11-03

**Lakes included:** CR, AL, BM, SP, TB, TR, CB

## **North Temperate Lakes LTER: Zooplankton - Trout Lake Area 1982 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.37.37>

**Variables include:** lakeid, year4, sample\_date, station, species\_code, species\_name, density, individuals\_measured, avg\_length

**Date Range:** 1981-04-22 - 2019-11-18

**Lakes included:** AL, BM, CB, CR, SP, TB, TR, Tr

## **North Temperate Lakes LTER: Zooplankton - Madison Lakes Area 1997 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.90.33>

**Variables include:** lakeid, year4, sample\_date, station, towdepth, species\_code, species\_name, density, individuals\_measured, avg\_length

**Date Range:** 1995-01-24 - 2018-11-14

**Lakes included:** FI, ME, MO, WI

## **North Temperate Lakes LTER: Benthic Macroinvertebrates 1981 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.11.36>

**Variables include:** lakeid, year4, site, rep, taxon\_code, description, number\_indiv, flag

**Lakes included:** CR, SP, sp, TR

## **North Temperate Lakes LTER: Crayfish Abundance 1981 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.3.34>

**Variables include:** lakeid, year4, gearid, effort, spname, total\_caught

**Lakes included:** AL, BM, FI, ME, MO, SP, TR, WI

## **North Temperate Lakes LTER Pelagic Macroinvertebrate Abun- dance 1983 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.13.34>



**Variables include:** lakeid, year4, sta, depth, taxon, rep, number\_indiv

**Lakes included:**

**BM**, depths include: 17, 18, 19

**CB**, depths include: 1.75, 2, 2.5

**CR**, depths include: 17, 18, 19

**AL**, depths include: 6, 6.5, 7

**TB**, depths include: 6, 6.5, 7

**TR**, depths include: 9, 10, 15, 20, 25, 30, 31, 32

**SP**, depths include: 16, 17, 18

## **North Temperate Lakes LTER: Pelagic Macroinvertebrate Summary 1983 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.14.34>

**Variables include:** lakeid, year4, sta, depth, taxon, nreps, avg\_ind, stdev\_ind, avg\_ind\_per\_m2, stdev\_ind\_per\_m2, avg\_ind\_per\_m3, stdev\_ind\_per\_m3

**Lakes included:**

**AL**, depths include: 7

**BM**, depths include:

**CB**, depths include: 2

**CR**, depths include: 19

**SP**, depths include: 17

**TB**, depths include: 7

**TR**, depths include: 10, 15, 20, 25, 32

## **North Temperate Lakes LTER: Macrophyte Transects - Trout Lake 1982 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.22.49>

**Variables include:** lakeid, year, site, min\_depth, max\_depth, species\_name, total\_quadrats\_sampled, quadrats\_species\_absent, quadrats\_species\_present, total\_quadrats\_species\_present

**Lakes included:** TR

## **North Temperate Lakes LTER: Macrophyte Biomass - Trout Lake 1983 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.21.27>

**Variables include:** lakeid, year4, site, depth, species\_name, rep, dryweight\_g

**Lakes included:**

**TR**, depths include: 1.5, 2.5, 4

## **North Temperate Lakes LTER: Macrophyte Richness - Trout Lake 1993 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.28.25>

**Variables include:** lakeid, year4, site, sampleddate, min\_depth, max\_depth, quadrat, richness

**Date Range:** 1993-08-19 - 2019-08-14

**Lakes included:** TR

## **North Temperate Lakes LTER: Macrophyte Biomass in Trout Lake Summary 1983 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.25.26>

**Variables include:** lakeid, year4, site, depth, species\_name, nreps, avg\_dryweight\_g, stdev\_dryweight\_g

**Lakes included:**

**TR**, depths include: 1.5, 2.5, 4

## **North Temperate Lakes LTER: Macrophyte Species at Quadrat Level - Trout Lake 1993 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.26.25>

**Variables include:** lakeid, year4, site, sampleddate, min\_depth, max\_depth, species\_name, quadrat

**Date Range:** 1993-08-19 - 2019-08-14

**Lakes included:** TR

## **North Temperate Lakes LTER: Macrophyte Rating - Madison Lakes Area 1995 - current**

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.23.30>

**Variables include:** lakeid, year4, sampleddate, transect, depth, rep, spname, rake\_rating, flag

**Date Range:** 1995-06-27 - 2018-07-27

**Lakes included:**

**MO**, depths include: 1, 1.5, 2, 2.5, 3, 3.5, 4

**WI**, depths include: 1, 1.5, 2, 2.5, 3, 3.5

**FI**, depths include: 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5

**ME**, depths include: 1, 1.5, 2, 2.5, 3, 3.5, 4

## North Temperate Lakes LTER: Macrophyte Biomass - Madison Lakes Area 1995 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.24.29>

**Variables include:** lakeid, year4, sampleddate, transect, depth, rep, rake\_rating, fil\_algae\_wt, plant\_wt\_hand, flag

**Date Range:** 1995-06-27 - 2018-07-27

**Lakes included:**

**MO,** depths include: 1, 1.5, 2, 2.5, 3, 3.5, 4

**WI,** depths include: 1, 1.5, 2, 2.5, 3, 3.5

**FI,** depths include: 1, 1.5, 2, 2.5, 3, 3.5, 4

**ME,** depths include: 1, 1.5, 2, 2.5, 3, 3.5, 4

## North Temperate Lakes LTER: Fish Abundance 1981 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.7.44>

**Variables include:** lakeid, year4, gearid, effort, spname, total\_caught

**Lakes included:** AL, BM, CB, CR, FI, ME, MO, SP, TB, TR, WI

## Lake Wingra: Fish Abundance 1995 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.182.21>

**Variables include:** lakeid, year4, gearid, effort, spname, total\_caught

**Lakes included:** WI

## Lake Wingra: Fish Lengths and Weights 1995 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.181.22>

**Variables include:** lakeid, year4, sampleddate, gearid, spname, depth, rep, length, weight, sex, fishpart

**Date Range:** 1995-08-21 - 2022-08-22

**Lakes included:**

**WI,** depths include: -2, -1, 0, 1, 2, 3, 4

## North Temperate Lakes LTER: Fish Species Richness 1981 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.245.27>

**Variables include:** lakeid, year4, richness

**Lakes included:** AL, BM, CB, CR, FI, ME, MO, SP, TB, TR, WI

## North Temperate Lakes LTER: Fish Length Frequency 1981 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.8.35>

**Variables include:** lakeid, year4, bin\_midpoint, bandedkillifish, bgpumphybrid, bigmouthbuffalo, black-bullhead, blackchinshiner, blackcrappie, blacknoseshriner, blackstrptopminnow, bluegill, bluntnoseminnow, bowfin, brassyminnnow, brooksilverside, brookstickleback, brownbullhead, burbot, channelcatfish, cisco, commoncarp, commonshiner, crappie, creekchub, darter, emeraldshiner, fantaildarter, fathead, finescaledace, freshwaterdrum, goldenredhorse, goldenshriner, grasspikkerel, greaterredhorse, greenbgphybrid, green-pumphybrid, greensunfish, guppy, hornyheadchub, iowadarter, johnnydarter, laketrout, lakewhitefish, largemouthbass, larvalfish, larvalsunfish, logperch, longearsunfish, longnosegar, mimicshiner, mottled-sculpin, mudminnow, muskellunge, muskypikehybrid, ninespstickleback, northernhogsucker, northernpike, nredbellydace, propinquus, pumpkinseed, quillback, rainbowsnelt, rockbass, rosyfaceshriner, rusticus, shortheadredhors, shovelnosesturgeon, silverpike, silverredhorse, slimysculpin, smallmouthbass, smallmouth-buffalo, splake, spotfinshiner, spottailerneraldh, spottailshiner, sunfish, troutperch, unidchub, uniddarter, unidentified, unidminnow, unidredhorse, unidshiner, virilis, walleye, warmouth, whitebass, whitecrappie, whitesucker, yellowbass, yellowbullhead, yellowperch

**Lakes included:** AL, BM, CB, CR, FI, ME, MO, SP, TB, TR, WI

## North Temperate Lakes LTER: Fish Lengths and Weights 1981 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.6.34>

**Variables include:** lakeid, year4, sampledate, gearid, spname, sampletype, depth, rep, indid, length, weight, sex, fishpart, spseq, flag

**Date Range:** 1981-07-28 - 2022-08-31

**Lakes included:**

**AL**, depths include: -2, -1, 0, 1, 2, 3, 4, 5, 6

**BM**, depths include: -2, -1, 1, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14

**CB**, depths include: -2, -1, 1, 1.5, 2

**CR**, depths include: -2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

**FI**, depths include: -2, -1

**ME**, depths include: -2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 21

**MO**, depths include: -2, -1, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

**SP**, depths include: -2, -1, 1, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

**TB**, depths include: -2, -1, 0.5, 0.8, 1, 1.5

**TR**, depths include: -2, -1, 1, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32

**WI**, depths include: -2, -1, 0, 1, 2, 3, 4

## North Temperate Lakes LTER: Pelagic Prey - Sonar Data 2001 - current

**EDI URL:** <https://portal.edirepository.org/nis/mapbrowse?packageid=knb-lter-ntl.115.33>

**Variables include:** lakeid, year4, sampledate, mid\_sample\_time, mid\_latitude, mid\_longitude, sv\_mean, nasc, mean\_height, mean\_depth, number\_pings, species, species\_ts, density

**Date Range:** 2001-08-26 - 2020-07-23

**Lakes included:** ME, SP, CR, TR