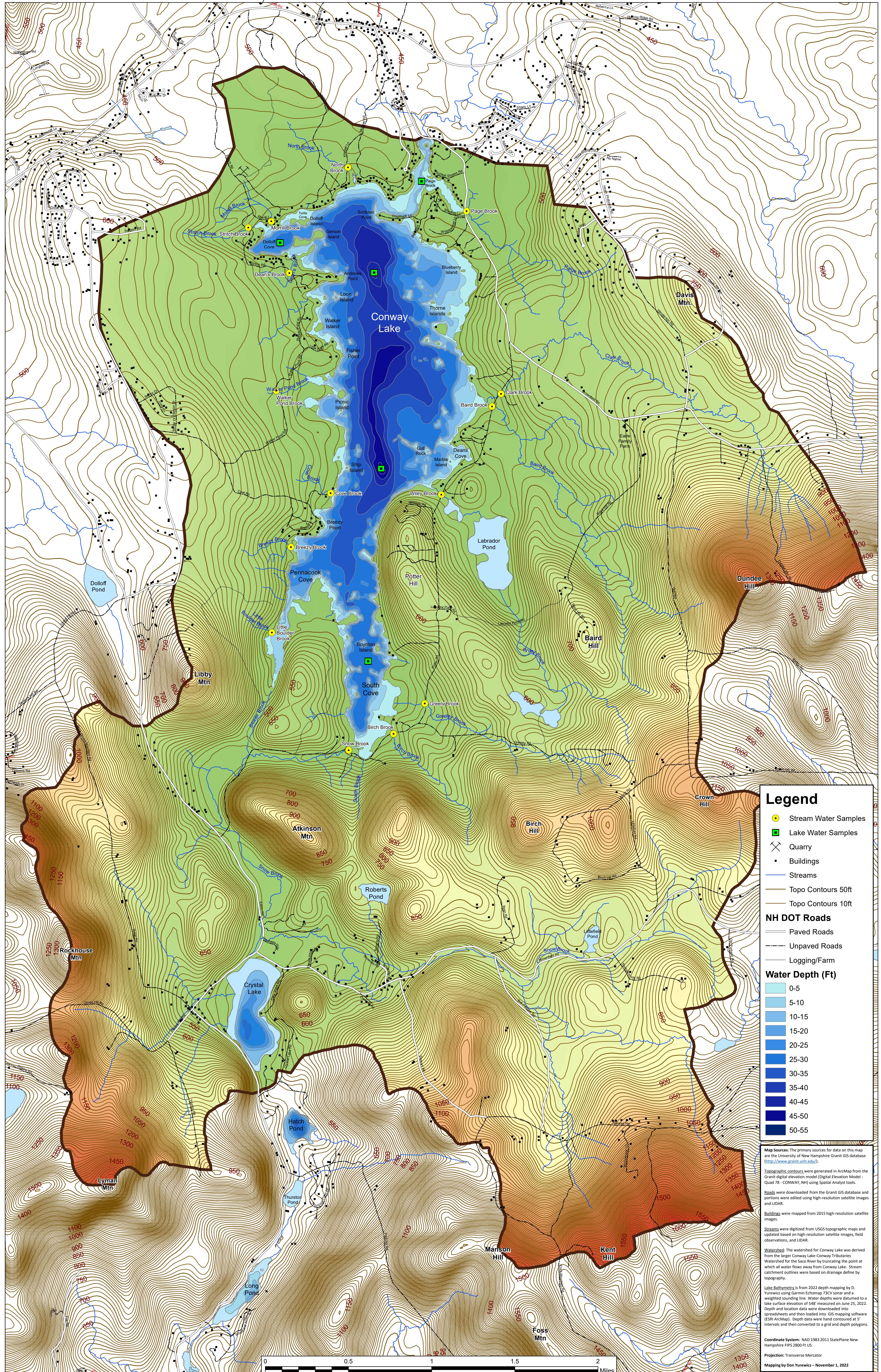


Conway Lake Watershed & Water Sample Locations



This map was produced by, and for the use of, the Conway Lake Conservation Association.

Not for commercial use. D. Yurewicz, November 1, 2022

Legend

- Stream Water Samples (Yellow dot)
- Lake Water Samples (Green square)
- Quarry (Cross-hatch)
- Buildings (Black square)
- Streams (Blue line)
- Topo Contours 50ft (Brown lines)
- Topo Contours 10ft (Lighter Brown lines)

NH DOT Roads

- Paved Roads (Solid grey line)
- Unpaved Roads (Dashed grey line)
- Logging/Farm (Dotted grey line)

Water Depth (Ft)

0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55

Map Sources: The primary sources for data on this map are the University of New Hampshire Grant GIS database (<http://www.grant.unh.edu/>).

Topographic contours were generated in ArcMap from the Grant digital elevation model (Digital Elevation Model - Quad 78 - CONWAY, NH) using Spatial Analyst tools.

Roads were downloaded from the Grant GIS database and portions were edited using high-resolution satellite images and LiDAR.

Buildings were mapped from 2015 high-resolution satellite images.

Streams were digitized from USGS topographic maps and updated based on high-resolution satellite images, field observations, and LiDAR.

Watershed was watershed for Conway Lake was derived from the larger Conway Lake-Conway Ponds.

Watershed for the Saco River by inverting the point at which all water flows away from Conway Lake. Stream catchment outlines were based on drainage define by topography.

Lake Bathymetry is from 2022 depth mapping by D. Yurewicz using Garmin EchoMap 73CV sonar and a weighted sounding line. Water depths were datum to a lake surface elevation of 548' measured on June 25, 2022. Depth measurements were converted into spreadsheets and then imported into GRIB mapping software (ESRI ArcMap). Depth data were hand contoured at 5' intervals and then converted to a grid and depth polygons.

Coordinate System: NAD 1983 2011 StatePlane New Hampshire FIPS 2800 FEUS

Projection: Transverse Mercator

Mapping by Don Yurewicz - November 1, 2022

