



Town of Bristol, NH
Land Use Office
Natural Resources Mapping

Legend

- Municipal Boundaries
- Tax Parcels - 2017
- Newfound Lake Watershed
- Conservation & Public Lands
- Hydric Soils (Wetlands)
- Riparian & Shoreland Buffers
- Floodplain - 100 & 500 Year
- Sand & Gravel Aquifers
- Wellhead Protection Areas

Water Resources

Several water-related natural resource features are displayed on this map. NRCS hydric soils classifications of “poorly” and “very poorly drained soils” signal the presence of wetlands. Floodplains are taken from Federal flood insurance maps (DFIRM) and include both 100- and 500-year floodplain delineation. Sand and gravel aquifer formations are derived from USGS aquifer mapping and include all primary recharge areas regardless of potential for municipal water supply. Both of Bristol’s water supply wellheads are located in these aquifer formations.

Riparian and shoreland buffer zones use a stream order-based methodology developed by the Center for Watershed Protection. First- and second- order streams are typically found in headwaters areas, while lower-lying streams and rivers qualify as third- and fourth-order streams. The Pemigewasset River in Bristol is 5th-order. See the sketch below for dimensions used in buffers. Buffers are science-based to maintain and enhance water quality in streams and rivers by removing erosion sediment and nutrients. Shoreland buffers of 150’ surround surface water bodies such as lakes, ponds, and reservoirs.

Water resource features typically are found in close association with one another, especially along streams and rivers.

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Mapping & Analysis by
GreenFire GIS

