

Alton Wetland Resources



NWI Wetland Types by Area in Alton (2021)			
Dominant Wetland Types	Area (Acres)	% of Overall Wetlands	% of Landbase Area of Alton (41,577.02 acres)
Scrub-Shrub (PSS)	1,130.90	30.01%	2.72%
Emergent (PEM)	713.33	18.93%	1.72%
Forested Wetland (PFO)	704.02	18.88%	1.69%
Unconsolidated Bottom (PUB)	146.55	3.90%	0.35%
Aquatic Bed (PAB)	60.20	1.60%	0.14%
Lacustrine (L) - Excluding Lake Winnepesaukee	632.56	16.80%	1.52%
Riverine (R)	379.52	10.07%	0.91%
Total (overall)	3,767.88	100.00%	9.06%

Poorly Drained Soils Area in Alton		
Soil Type	Area (Acres)	% of Landbase Area in Alton (41,577.02 acres)
Poorly Drained Soil	3,627.34	8.72%
Very Poorly Drained Soil	4,450.92	10.71%
Total Poorly/Very Poorly Drained Soils	8,078.26	19.43%

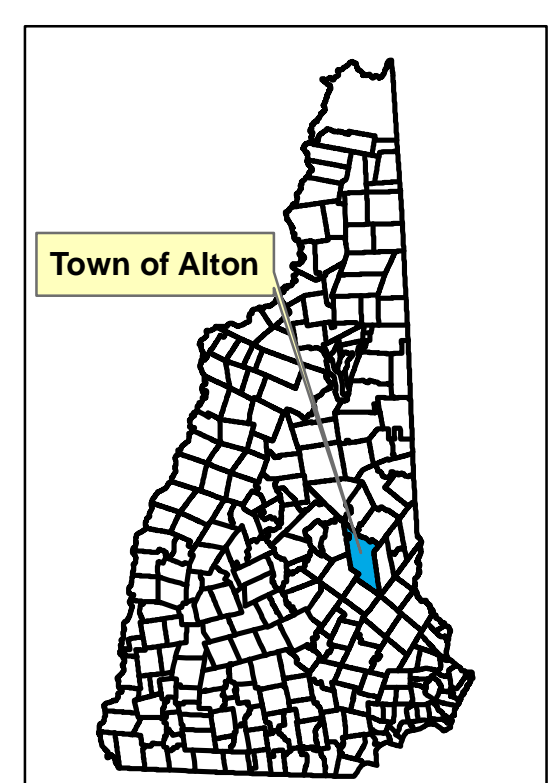
Estimated Overall Wetland Resources in Alton	
Wetland Resources	Acres
Total Poorly Drained & Very Poorly Drained Soils (Hydic Soils)	8,078.26
Total NWI Wetlands (excluding Lake Winnepesaukee)	3,767.88
Total Hydic Soils that don't overlap with the NWI Wetlands	5,569.88
Estimated Total Wetland Resources (NWI Wetlands + Non Overlapped Hydic Soils)	9,337.76
True Estimate of Wetland Resources (% of Landbase Area of Alton - 41,577.02 acres)	22.46%

Estimated Overall Wetland Resources in Alton with Lake Winnepesaukee Accounted For	
Wetland Resource	Area (Acres)
Lacustrine (L) - Lake Winnepesaukee Area Only	11,716.41
Estimated Total Wetland Resources with Lake Winnepesaukee Accounted for (NWI Wetlands + Non Overlapped Hydic Soils)	21,054.17
True Estimate of Wetland Resources with Lake Winnepesaukee Accounted for (% of Entire Area of Alton - 53,231 acres)	39.55%

Legend

- Town Boundaries
- Watershed Boundaries (HUC10)
- Conservation Lands
- Recreational Trails
- Streams**
 - Intermittent Stream
 - Perennial Stream
- Roads**
 - Other Roads
 - State Highway
 - Town/Township Highway
- Hydic Soil Type**
 - Poorly drained
 - Very poorly drained
- Wetland Type**
 - Aquatic Bed (PAB)
 - Emergent (PEM)
 - Forested (PFO)
 - Scrub-Shrub (PSS)
 - Unconsolidated Bottom (PUB)
 - Lacustrine (L)
 - Riverine (R)

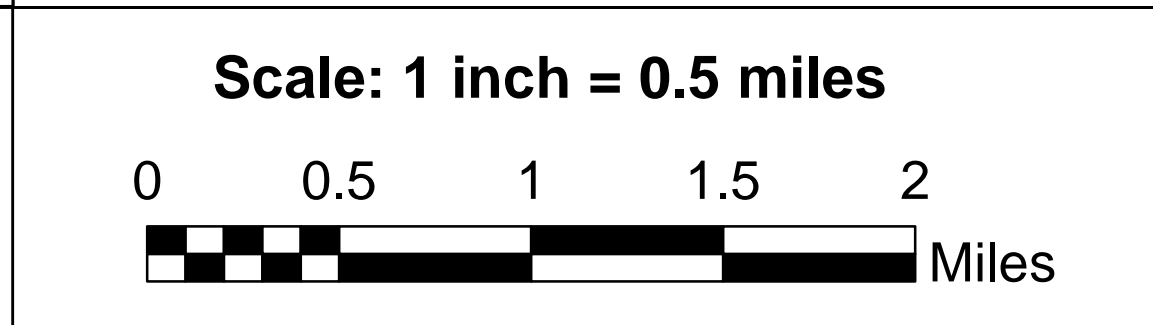
**Dominant wetland types were used in this wetland analysis. On wetlands with multiple types, the dominant wetland*



Data Sources:
 Conservation Land data obtained from NH GRANIT, last revised June 2020. Additional data has been added to this layer based on information from the Town of Alton and the Belknap Range Conservation Coalition
 Waterbody/Watershed data obtained from USGS, last revised March 2021
 NRCS Soil data obtained from NH GRANIT, last revised July 2020
 NWI/Wetland data obtained from NH GRANIT, last revised May 2021
 Stream data obtained from USGS, last revised August 2018
 Recreation Trails data obtained from NH GRANIT, last revised July 2020. Additional data has been added to this layer based on information from Weldon Bosworth of Belknap Range Trails
 Road data obtained from NH GRANIT, last revised April 2021
 Town boundary data obtained from NH GRANIT, last revised April 2013

Wetland Type Definitions:
 Lacustrine - relating to lakes, reservoirs, and large ponds
 Riverine - relating to rivers and streams
 Palustrine - relating to areas such as marshes, wet meadows, fens, bogs, swamps, and small ponds
 Aquatic Bed (PAB) - Palustrine wetlands that are typically permanently flooded and have vegetation that grows on/below the surface of water
 Emergent (PEM) - Palustrine wetlands dominated herbaceous wetland acclimated plants
 Forested (PFO) - Palustrine wetlands dominated by woody vegetation that is taller than 20 feet
 Scrub-Shrub (PSS) - Palustrine wetlands dominated by woody vegetation that is shorter than 20 feet.
 Unconsolidated Bottom (PUB) - Palustrine wetlands that are typically permanently flooded, have a bottom substrate that is at least 25% smaller than stone, and have less than 30% vegetative cover.

Coordinate System: NAD 1983 StatePlane New Hampshire FIPS 2800 Feet
 Projection: Transverse Mercator
 Datum: North American 1983
 False Easting: 984,250.0000
 False Northing: 0.0000
 Central Meridian: -71.6667
 Scale Factor: 1.0000
 Latitude Of Origin: 42.5000
 Units: Foot US



Alton Wetland Resources NRI Map
 Created: September 28, 2021
 Last revised: October 6, 2022
 Prepared for the Town of Alton, NH
 This map should only be used for planning purposes, not for legal bound interpretation.

Stoney Ridge Environmental, LLC
 8 Kiana Road
 Alton, NH 03809
 Phone: 603-776-5825