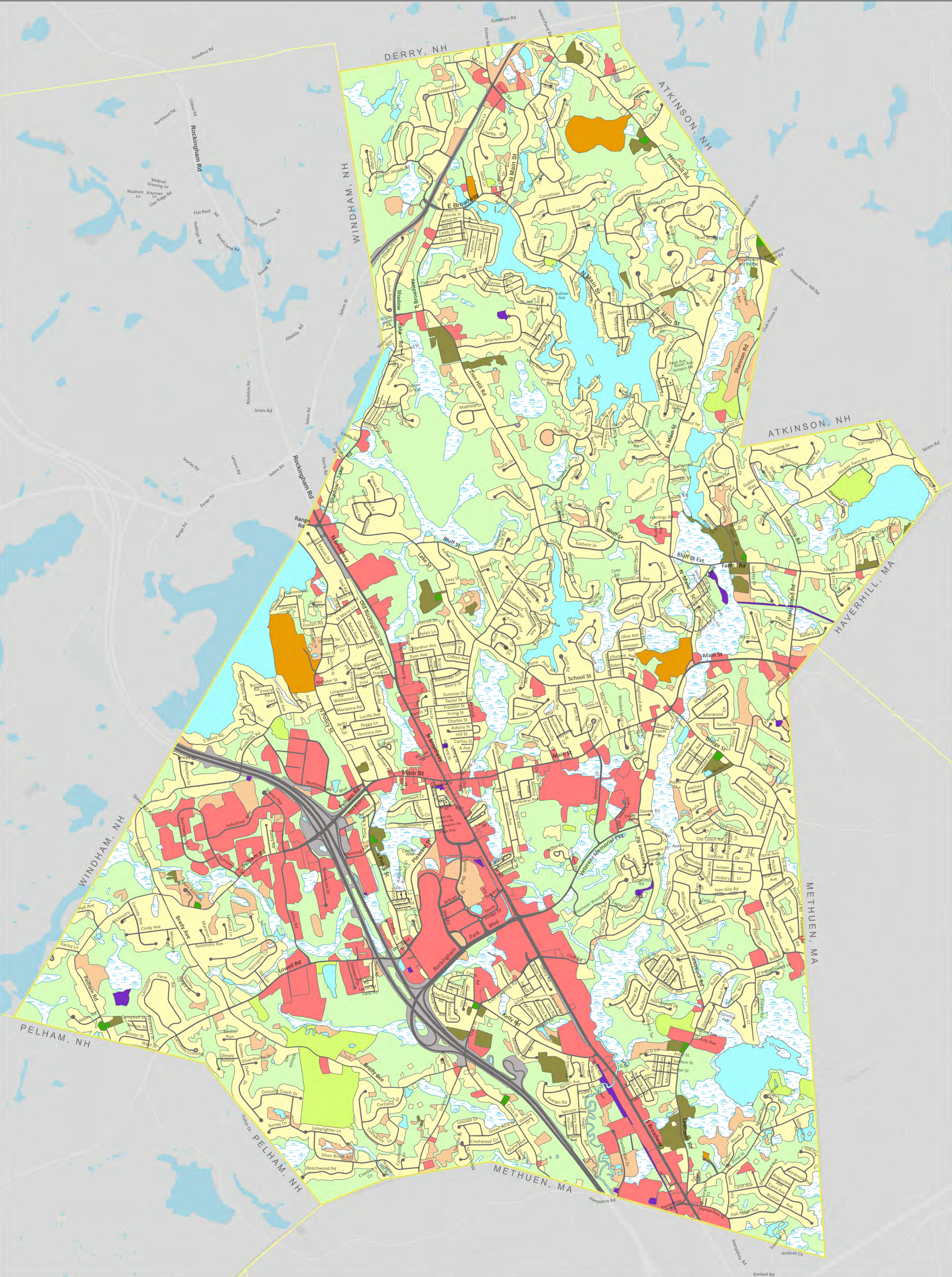


Town of Salem, NH - Map 1 - Land Use 2022



Open Space Plan Salem, NH 2025

2022 Land Use	
	Active Agricultural
	Aux Transportation
	Farmsteads
	Forested
	Industrial/Commercial
	Mixed Urban
	Open Wetlands
	Other/Idle
	Playing fields / Recreation
	Residential
	Transportation
	Utilities
	Water

Salem Historical Land Use (Acres)													
Landuse Type	1962	1974	1998	2005	2010	2015	2022	2015 to 2022	2022 Total	2015 to 2022	Percent Change	2015 to 2022	Percent Change
Active Agricultural	1,692.8	927.6	250.3	247.8	275.2	239.6	193.3	-46.3	193.3	-19.3%	-19.3%	193.3	-19.3%
Aux Transportation				102.5	111.9	161.9	182.3	20.4	182.3	12.6%	12.6%	182.3	12.6%
Farmsteads	57.4	37.6		21.0	21.0	14.8	14.8	0.0	14.8	-0.3%	-0.3%	14.8	-0.3%
Forested	9,565.7	6,579.4	6,984.0	4,839.1	4,779.9	4,488.0	4,265.3	-219.7	4,265.3	-4.9%	-4.9%	4,265.3	-4.9%
Industrial/Commercial	569.4	1,094.6	1,357.6	1,249.5	1,233.0	1,315.0	1,485.6	167.6	1,485.6	12.7%	12.7%	1,485.6	12.7%
Mixed Urban	147.3	159.8	311.9	147.5	147.5	150.4	152.6	2.2	152.6	1.4%	1.4%	152.6	1.4%
Open Wetlands	286.7	256.7	157.6	1,539.7	1,539.5	1,539.8	1,543.7	3.9	1,543.7	0.3%	0.3%	1,543.7	0.3%
Other/Idle	778.5	810.6	414.0	602.3	604.3	641.2	528.4	-112.8	528.4	-17.6%	-17.6%	528.4	-17.6%
Playing fields/ Recreation				402.0	429.6	406.2	231.3	-174.9	231.3	-43.1%	-43.1%	231.3	-43.1%
Railroad													
Residential	2,403.0	3,551.1	5,597.8	5,965.5	5,956.0	6,043.6	6,359.1	315.5	6,359.1	5.2%	5.2%	6,359.1	5.2%
Transportation	337.7	416.4	530.6	615.1	635.2	731.2	739.0	7.8	739.0	1.1%	1.1%	739.0	1.1%
Utilities				29.9	29.9	29.9	33.5	3.6	33.5	12.4%	12.4%	33.5	12.4%
Water	733.0	735.3	765.6	807.6	807.6	805.4	817.5	12.1	817.5	1.5%	1.5%	817.5	1.5%
Grand Total							16,569.4		16,569.4			16,569.4	

*** Note: Years 1962, 1974, and 1998 were compiled with a slightly different methodology than 2005, 2010, 2015, and 2022. Aux Transportation, Playing Fields and Utilities are categories only broken out in 2005, 2010, 2015, and 2022. Classification of wetlands was improved between 1998 and 2005. Due to lesser quality aerial photos many wetlands were classified as Forested before 2005. Many Playing Fields were changed in 2015 to ensure that those in proximity to a school were classified as Education (Industrial/Commercial).

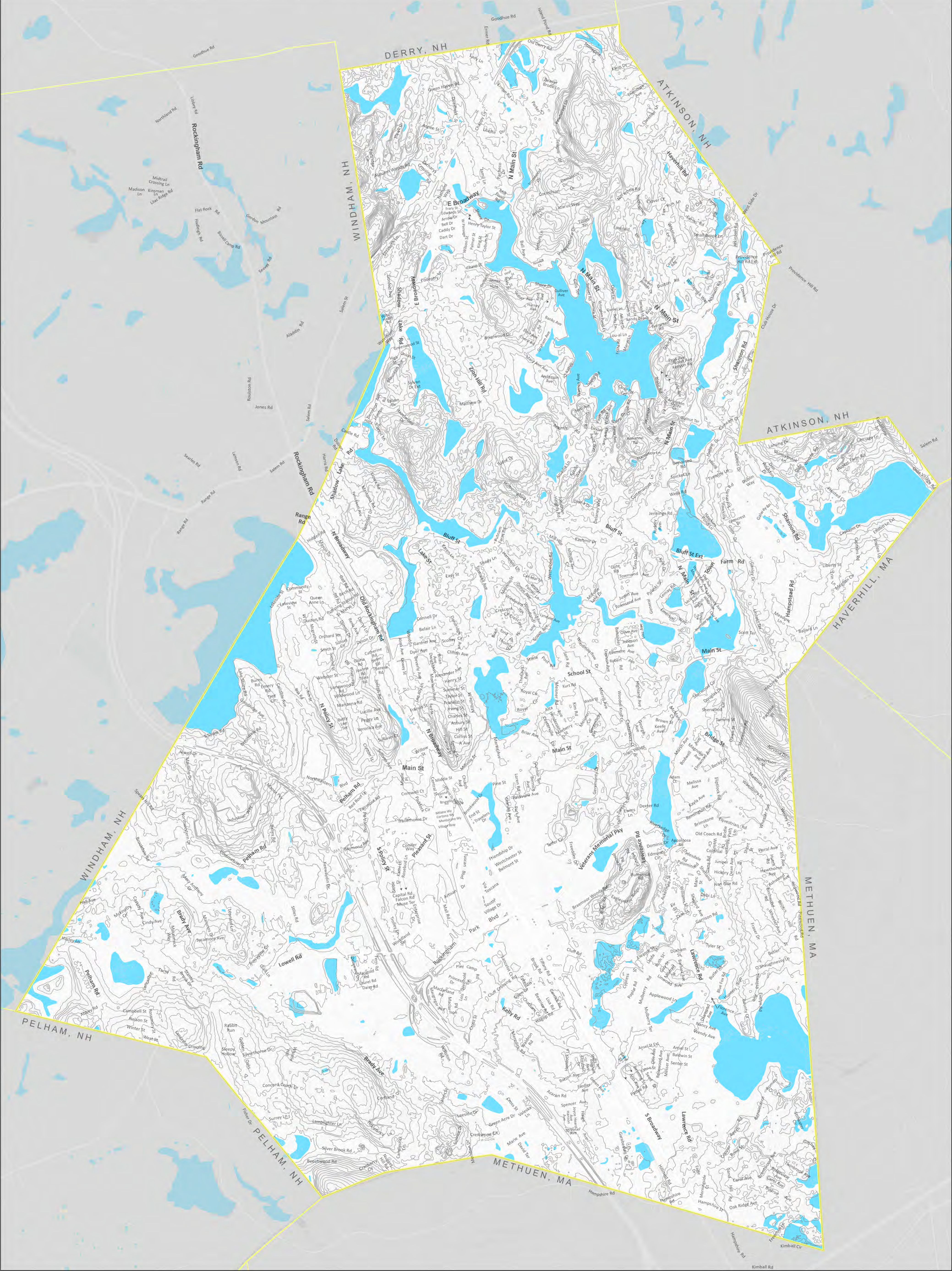
This 2022/2021 Land Use was accomplished by screen digitizing land use/land cover polygons at a recommended display scale of 1:2,400 (1"=200') using 1-foot resolution, natural color aerial photography, acquired in Springs of 2021 and 2022, as the background.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, Durham, NH, 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.



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Town of Salem, NH - Map 2 - Topography



Open Space Plan Salem, NH 2025

This data set represents raw, 2-foot bare earth contours (isolines). The data set was extracted from a regional elevation contour data set derived from the Coastal New Hampshire LIDAR collection (2011).

These 2-foot contours were developed for visual use and comparison with other GIS data sets. The suitability for technical, scientific, or other finished cartographic purposes is unknown and should not be assumed.

Base Features (transportation, political and hydrographic) were automated from the USCS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

Major Contour (10')

Interval Contour (2')

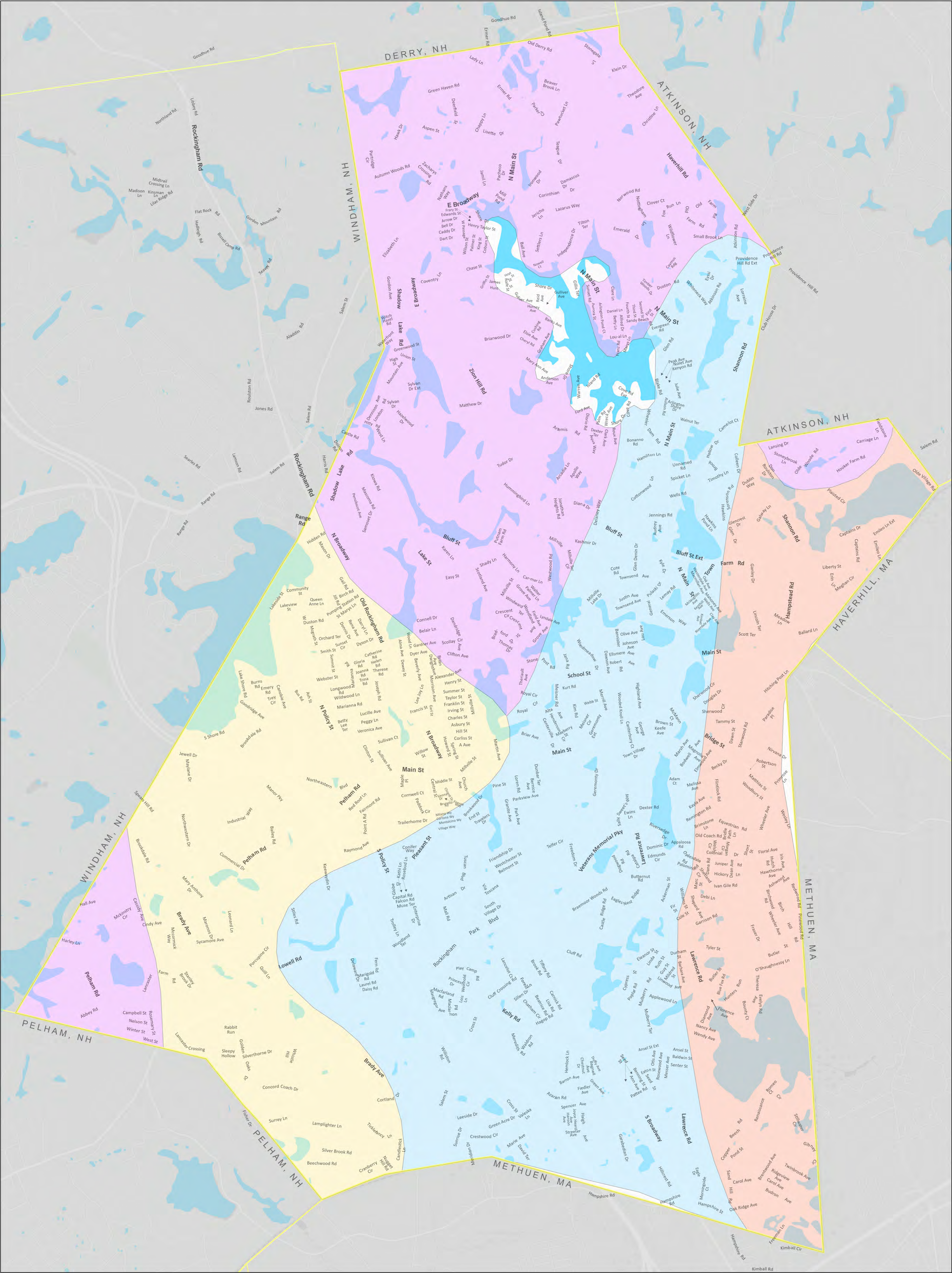


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Town of Salem, NH - Map 3 - General Soils



Open Space Plan Salem, NH 2025

General Soil Type

- CANTON-HOLLIS-CHATFIELD (NH012)
- CANTON-SCITUATE-MONTAUK (NH036)
- HINKLEY-WINDSOR-CANTON (NH001)
- PAXTON-WOODBRIDGE-HOLLIS (NH033)

Generalized Soils
This data set is a digital general soil association map developed by the National Cooperative Soil Survey. It consists of a broad based inventory of soils and nonsoil areas that occur in a repeatable pattern on the landscape and that can be cartographically shown at the scale mapped. This data was published by the U.S. Department of Agriculture Soil Conservation Service in 1994.

Base Features (transportation, political and hydrographic) were automated from the USCS Digital Line Graph data, 1:24,000, and archived in the GRANIT databases at Complex Systems Research Center, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

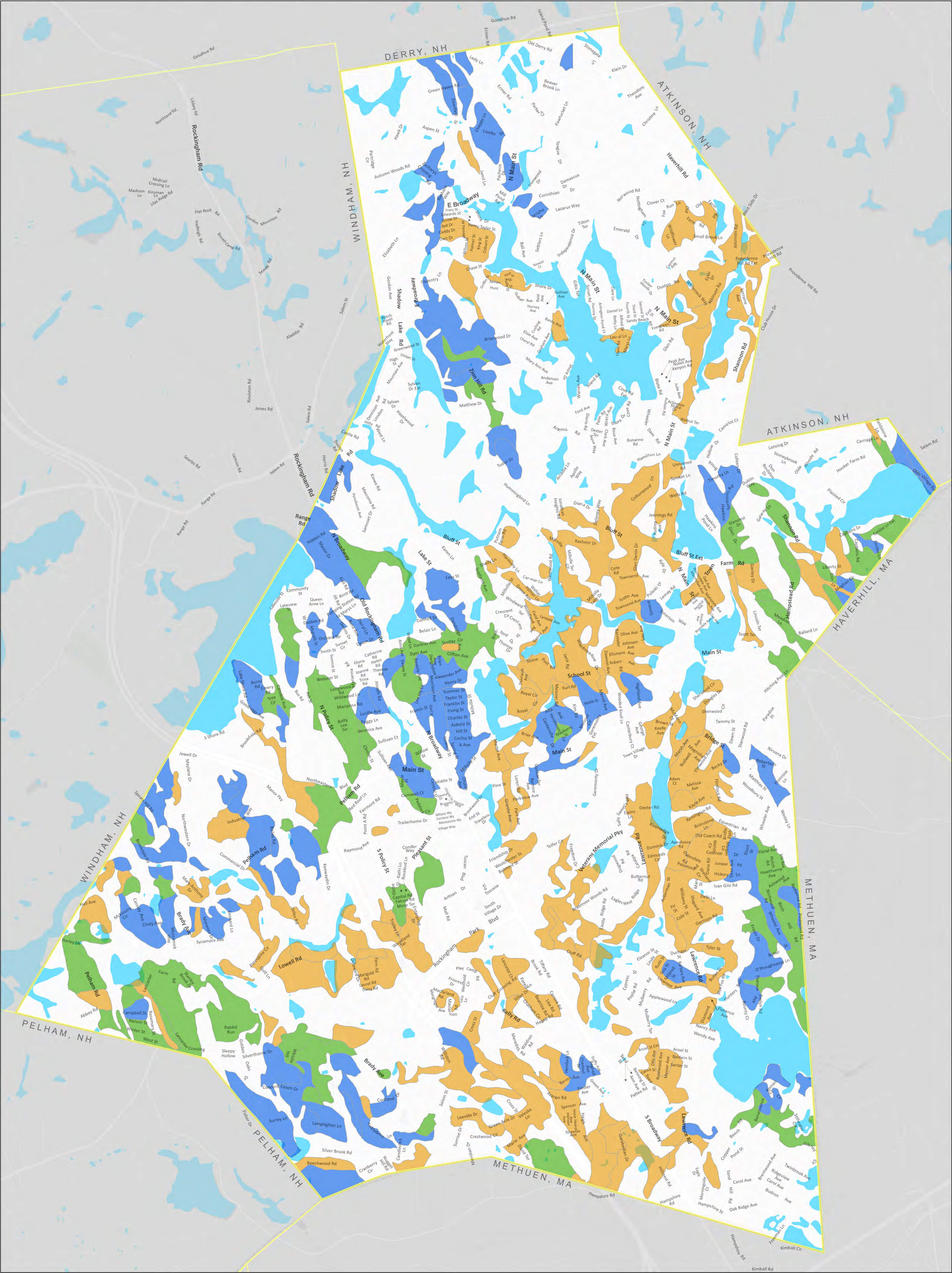


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Town of Salem, NH - Map 4 - Agricultural Soils



Open Space Plan Salem, NH 2025

Soil Classifications

- Prime Farmland
- Farmland of Statewide Importance
- Farmland of Local Importance

Agricultural Soils
Prime Farmland: land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber, and oilseed crops. They have an adequate and dependable water supply from precipitation or irrigation.

Farmland of Statewide Importance: nearly prime farmland that produce economically high yields of crops when treated and managed according to acceptable farming methods. Some may produce as high a yield as prime farmlands if conditions are favorable.

Farmland of Local Importance: in some local areas there is concern for certain additional farmlands for the production of food, feed, forage, fiber, and oilseed crops, even though these lands are not identified as having national or statewide importance.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, Durham, NH, 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

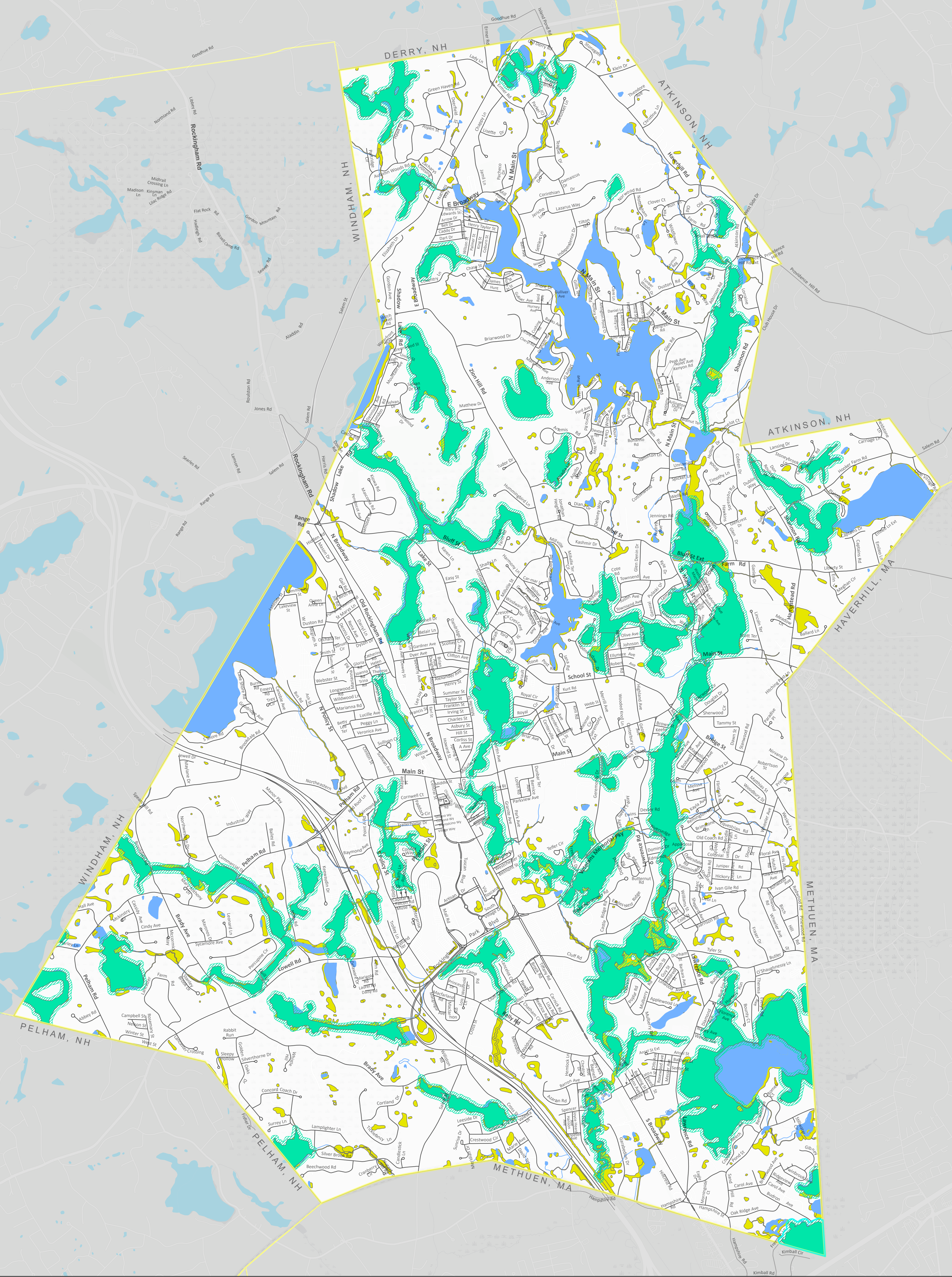


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Town of Salem, NH - Map 5 - Surface Water and Wetlands



Open Space Plan
Salem, NH
2025

- Prime Wetland
- Wetland 100ft Buffer
- Surface Waterbodies
- NWIPlus

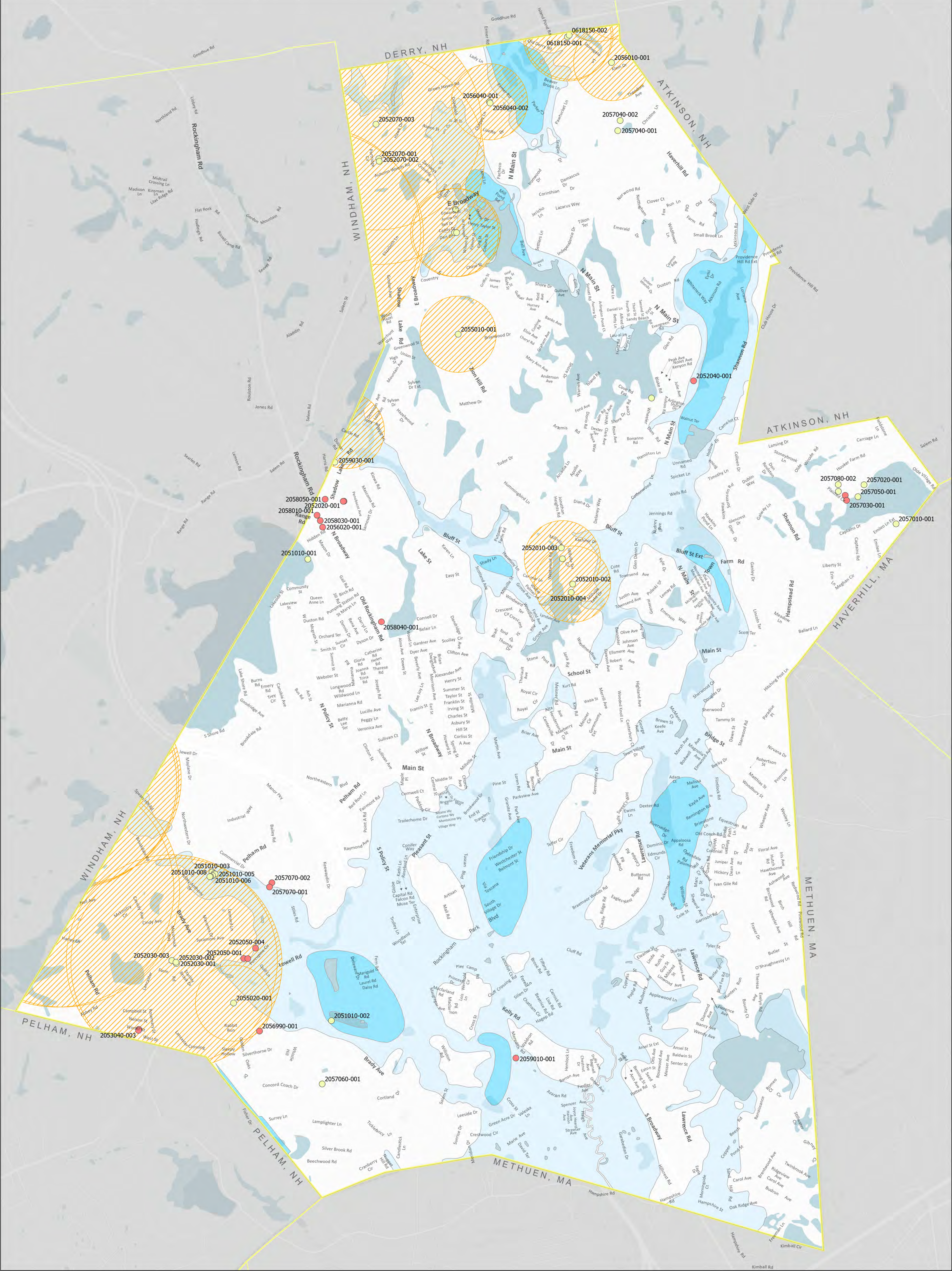
National Wetlands Inventory
This data set represents the extent, approximate location and type of wetlands and deep-water habitats in the conterminous United States. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and near shore coastal waters. By policy, the Service also excludes certain types of "farmed wetlands" as may be defined by the Food Security Act or that do not coincide with the Cowardin et al. definition. Contact the Service's Regional Wetland Coordinator for additional information on what types of farmed wetlands are included on wetland maps.

Prime Wetlands

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH, 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.



Town of Salem, NH - Map 6 - Groundwater and Aquifers



Open Space Plan Salem, NH 2025

Well Status

- Active
- Inactive
- Wellhead Protection Areas

Transmissivity

- Less than 1000
- 1000 - 2000
- 2000 - 4000

Public Water Supply Wells
Mapped by the NH Department of Environmental Services. They consist of wells and surface water intake locations. Development of this data is ongoing, last updated Dec. 2024.

Stratified-Drift Aquifer
This data was automated by Complex Systems Research Center UNH. Transmissivity of Stratified Drift Aquifers quantifies the ability of an aquifer to transmit water, measured in feet squared per day. US Geological Survey Water-Resources Investigations Report 91-4025, "Geohydrology and Water Quality of Stratified-Drift Aquifers in the Lower Merrimack and Coastal River Basins".

Water Line Buffers
This dataset includes water and sewer line distribution areas for public drinking water systems with at least 15 service connections used by year round residents or regularly serve at least 25 year round residents. Once the lines are digitized (heads up method) a 200 ft buffer is applied. The location of the resulting polygon is approximate.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

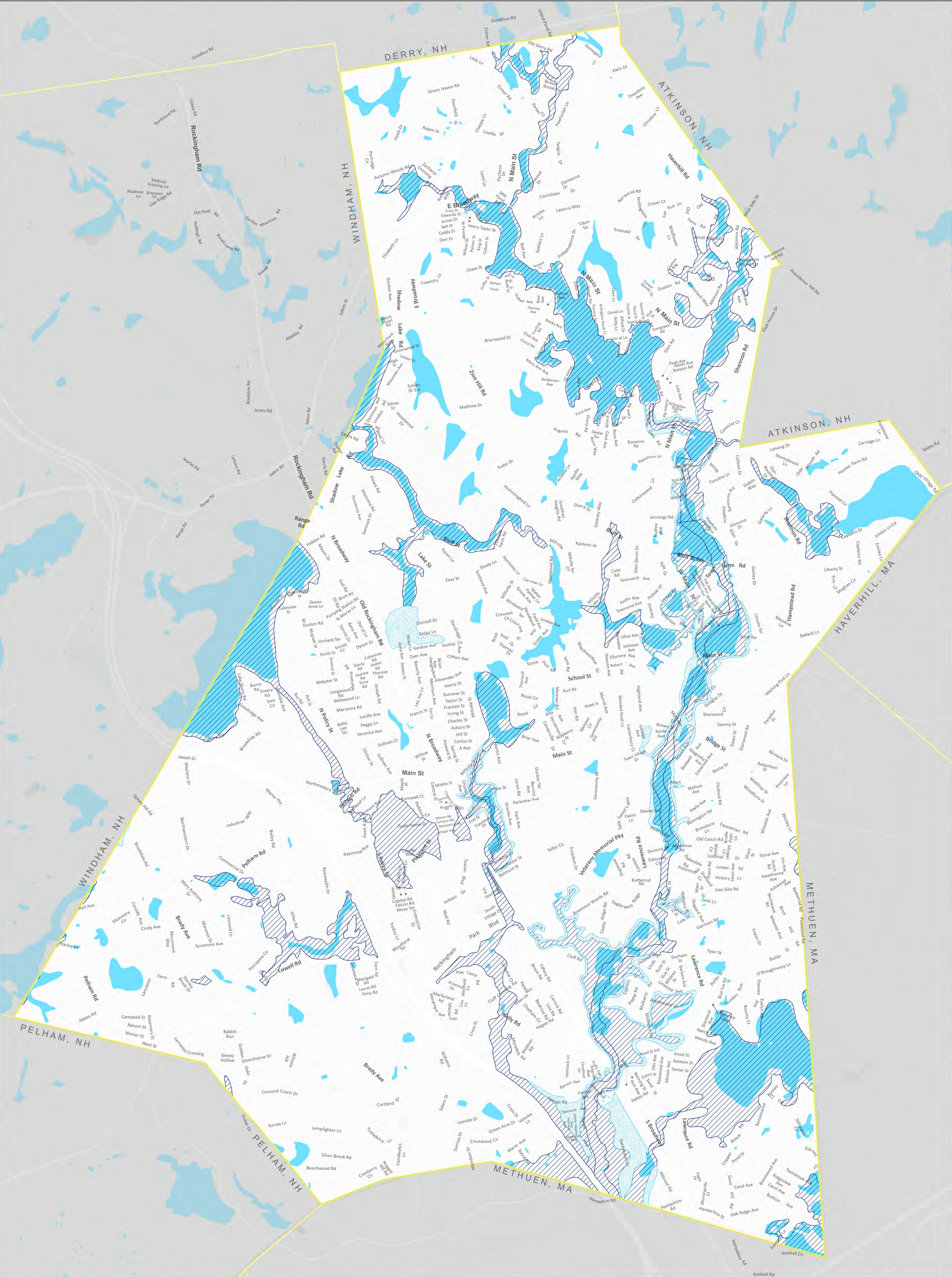


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Town of Salem, NH - Map 7 - FEMA Flood Plains



Open Space Plan Salem, NH 2025

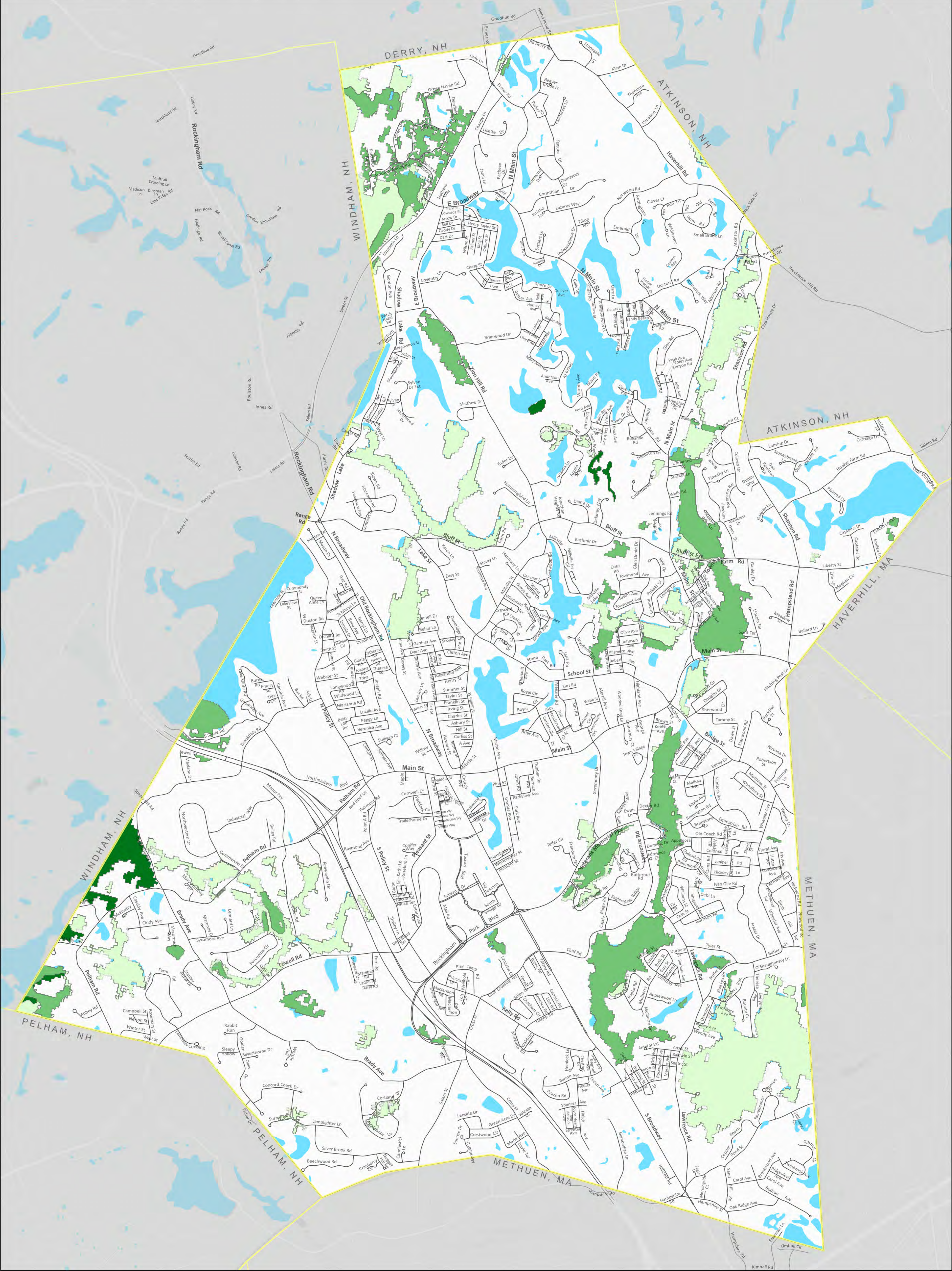
Simple
100 Year (1% annual chance)
500 Year (0.2% annual chance)

Flood Hazard Zones
(DFIRM) Database depicts flood risk information and supporting data used to develop the risk data. The primary risk classifications used are the 1% annual chance flood event, the 0.2% annual chance flood event, and areas of minimal flood risk. The DFIRM Database is derived from Flood Insurance Studies (FIS), and previously published Flood Insurance Rate Maps (FIRMs), flood hazard analyses performed in support of the FIS and FIRMs, and new mapping data, where available. The FIS and FIRMs are published by the Federal Emergency Management Agency (FEMA). This was provided by GRANIT, Complex Systems Research Center, UNH. Adopted in 2021

Flood Hazard Areas on this map are FEMA Q3 Flood Data. This information was extracted from the Federal Emergency Management Agency, National Flood Insurance Program, Q3 Flood Data DISC 23 (Maine, New Hampshire, Vermont). For more information about flood hazard areas, consult the following website: <http://www.fema.gov>

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, Durham, NH, 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex Systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

Town of Salem, NH - Map 8 - Wildlife Action Plan



Open Space Plan Salem, NH 2025

Wildlife Action Plan Tiers 2020

- Tier 1 - Highest Ranked Habitat in NH
- Tier 2 - Highest Ranked Habitat in Biological Region
- Tier 3 - Supporting Landscapes

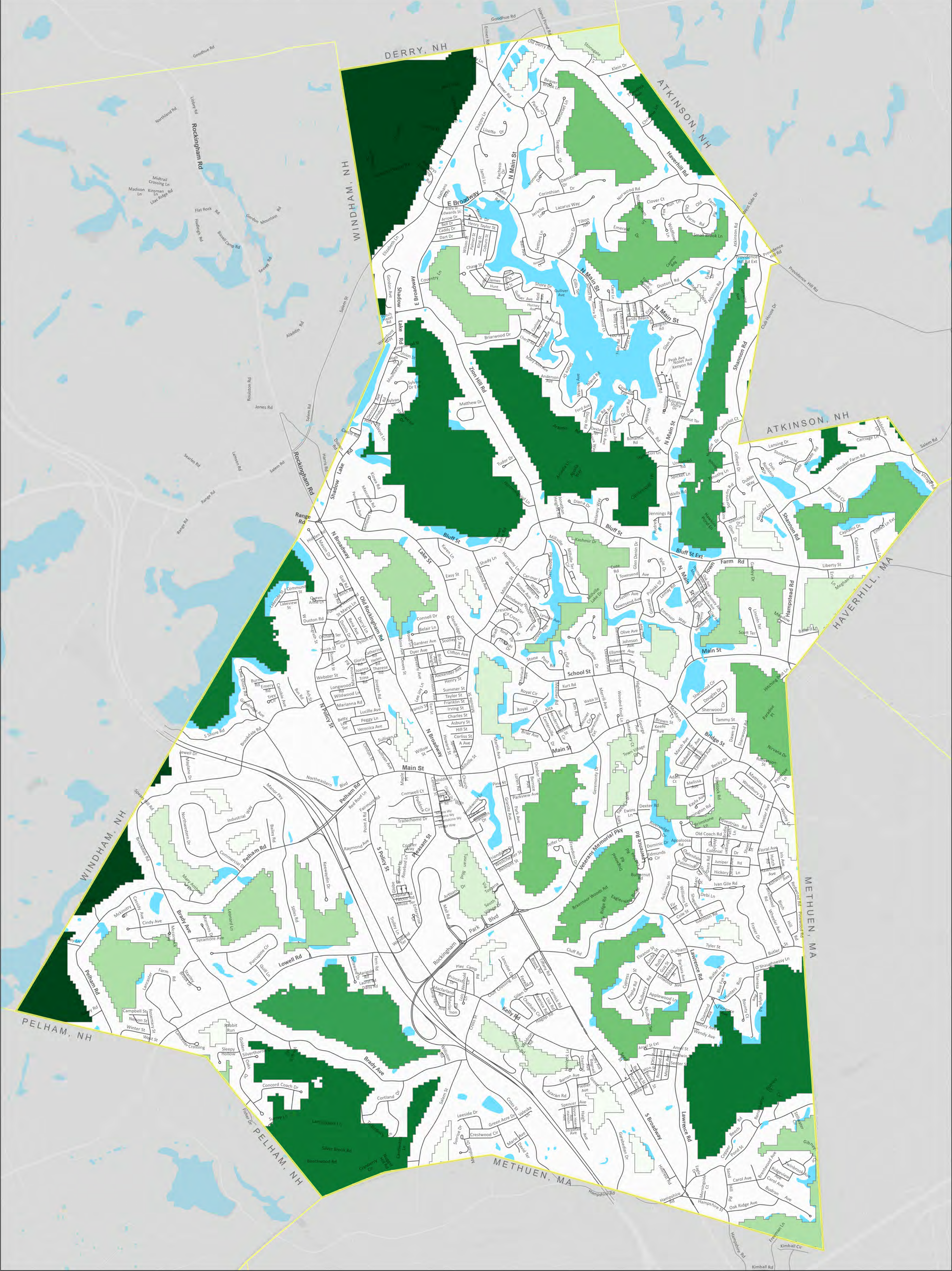
Wildlife Action Plan 2020
The NHRP released the NH Wildlife Action Plan in 2005, it was subsequently updated in 2010, 2015 and 2020. This data was created by aggregating the highest quality habitats within each habitat type and then re-ranking based on co-occurrence. This data shows the most critical wildlife habitat locations and thus, important wildlife areas.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.



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Town of Salem, NH - Map 9 - Unfragmented Land



Open Space Plan Salem, NH 2025

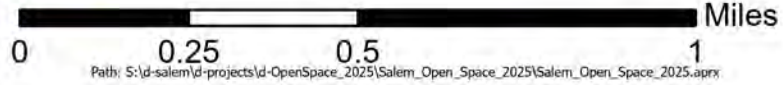
This 2022/2021 Land Use was accomplished by screen digitizing land use/land cover polygons at a recommended display scale of 1:2,400 (1"=200') using 1-foot resolution, natural color aerial photography, acquired in Springs of 2021 and 2022, as the background. This data was created as part of the Wildlife Action Plan.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex Systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

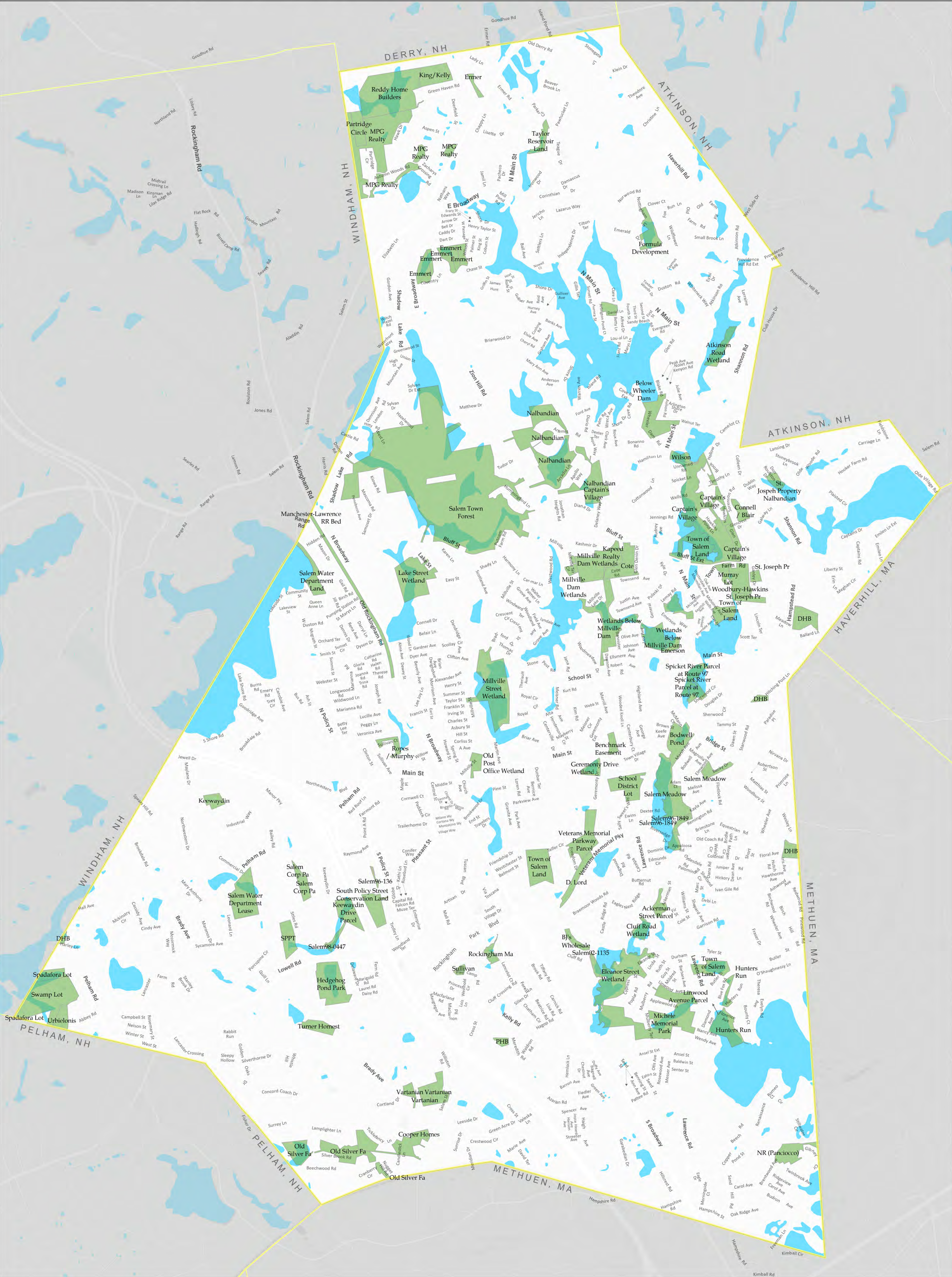
Total Area	103.2 - 148.7 Acres
<28.9 Acres	148.7 - 208.1 Acres
28.9 - 60.2 Acres	208.1 - 493.3 Acres
60.2 - 103.2 Acres	>493.3 Acres



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Town of Salem, NH - Map 10 - Open Space



Open Space Plan Salem, NH 2025

Conservation Land

Conservation and Public Lands
The conservation lands data layer describes parcels of land of two or more acres that are mostly undeveloped and are protected from future development. Unique or adjoining smaller parcels, as well as selected state-owned parcels, may also be included.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex Systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

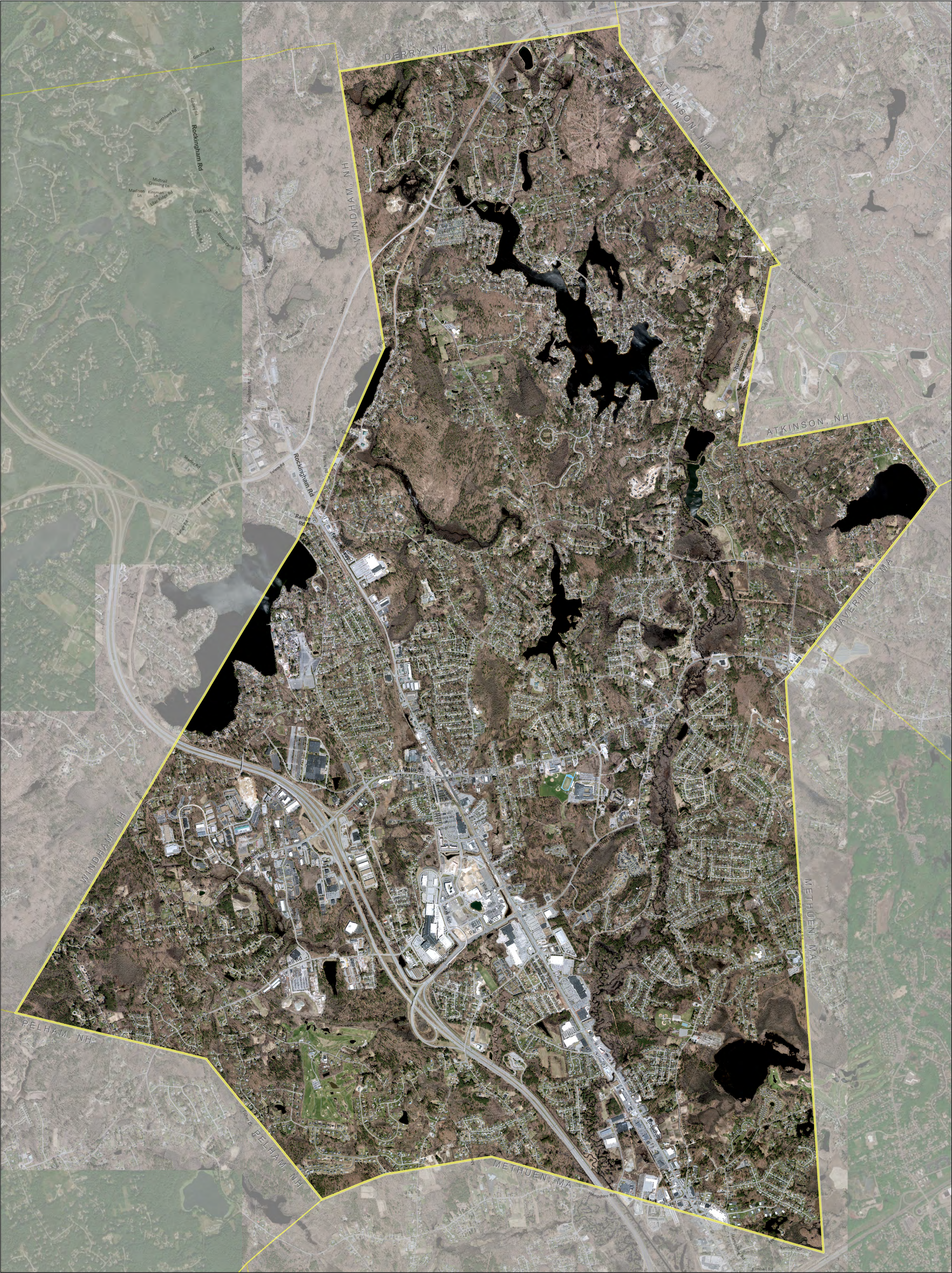


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Town of Salem, NH - Map 11 - Aerial Photo



Open Space Plan Salem, NH 2025

This photo was provided by GRANITE and NHDOT in 2021/2022. It has a 6 inch resolution.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH, 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

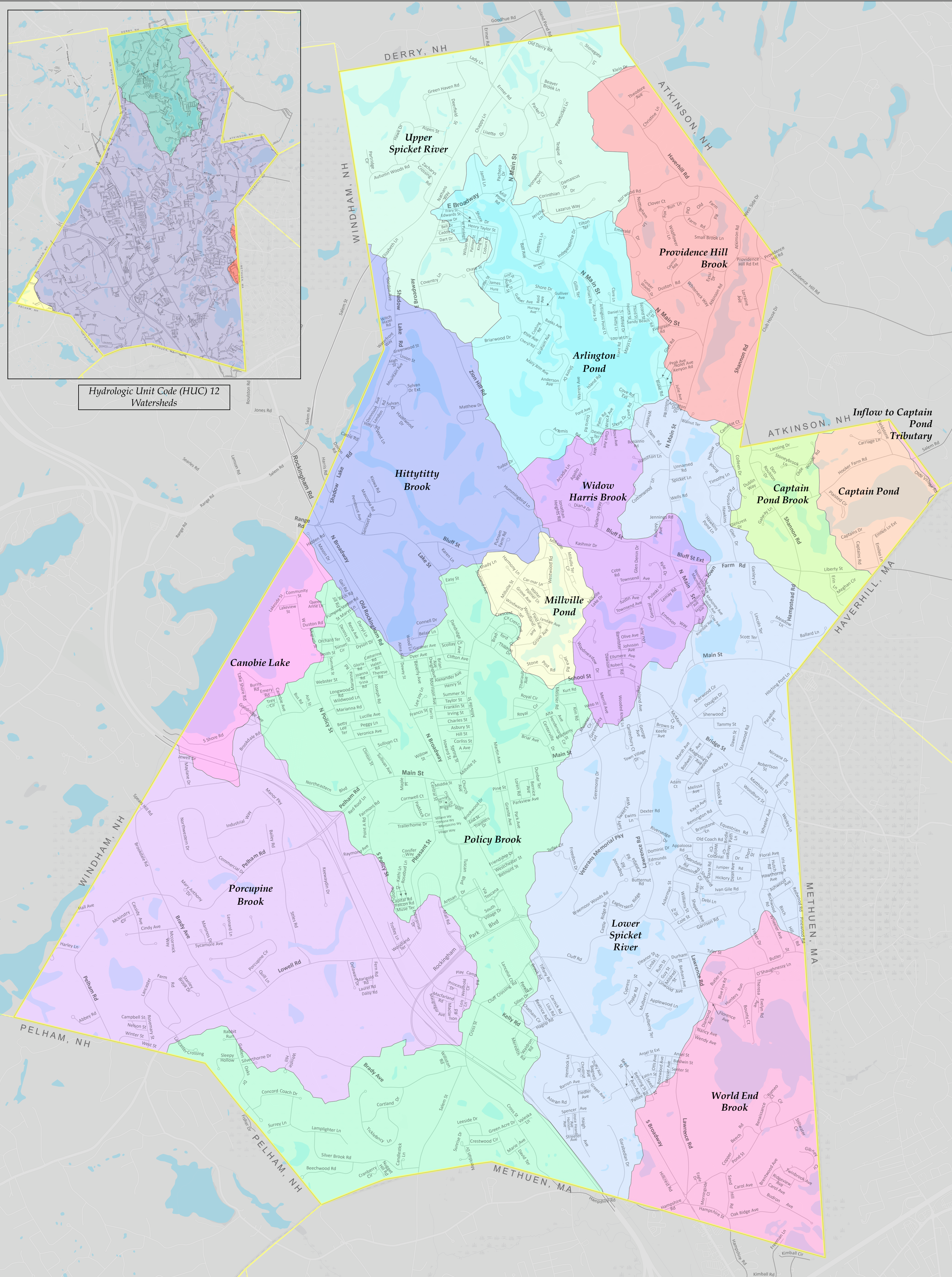


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Town of Salem, NH - Map 12 - Watersheds



Open Space Plan Salem, NH 2025

Watersheds were delineated and automated by the New Hampshire Department of Environmental Services, Water Resources Division. Source maps for this data layer are USGS 1:24,000 Topographic Quadrangle maps and USDA Natural Resources Conservation Service 1:250,000 watershed maps.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the GRANIT database at Complex Systems Research Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH, 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts. Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

Salem_Watersheds	
BASIN	
	Arlington Pond
	Canobie Lake
	Captain Pond
	Captain Pond Brook
	Hittytitty Brook
	Inflow to Captain Pond Tributary
	Lower Spicket River
	Millville Pond
	Policy Brook
	Porcupine Brook
	Providence Hill Brook
	Upper Spicket River
	Widow Harris Brook
	World End Brook

