

Souhegan River Corridor Management Plan



Sunrise Over Souhegan River, Amherst, NH. Howard S. Muscott Photography

Souhegan River Corridor Management Plan

Prepared by the

Nashua Regional Planning Commission

with the

Souhegan River Local Advisory Committee

2025

Souhegan River Corridor Management Plan

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Sunrise Over Souhegan River, Amherst, NH. 2024.

1. Executive Summary

The Souhegan River has a 220 square mile watershed that includes portions of seventeen communities in New Hampshire and two towns in Massachusetts. The watershed contains approximately 271 miles of rivers and streams and 103 miles of intermittent streams. The river is approximately 34 miles long, flowing generally northeasterly and easterly through New Ipswich, Greenville, Wilton, Milford, Amherst, and Merrimack, NH. The designated river officially starts in New Ipswich and ends where it discharges into the Merrimack River in Merrimack, NH.

Development pressure is high, especially in the eastern part of the watershed, and historic and current industrial uses along the river and in the watershed continue to be a threat to water quality. Flooding, drought, and erosion is becoming more of an issue as rain events become less frequent and higher volume.

Conserving land, thoughtful development, and removing instream barriers such as perched culverts and dams are opportunities to protect and improve the river's water quality and connectivity.

Recommendations from this plan include:

- Continue gathering water samples on the Souhegan River and its tributaries to monitor water quality.
- Identify and address persistent sources of *E. coli* contamination.
- Follow up-to-date Stormwater Control Measures to reduce stormwater runoff.
- Encourage homeowners to be water wise and Soak Up the Rain, keeping stormwater on their property.
- Remove the two dams in downtown Milford to improve aquatic connectivity.
- Maintain public access to the river so residents of the watershed can love the Souhegan and care for it.
- Establish goals for important water resources in town master plans.
- Establish land acquisition programs to identify and acquire potential important conservation land.
- Increase wetland buffers to at least 50 feet for structures and establish a no-cut buffer.
- In new open space developments, consolidate open space areas to maintain larger natural areas.
- Create maintenance agreements for structural stormwater control measures.
- Designate low- or no-salt routes near wetlands to prevent chloride contamination.

All watershed towns can help protect the river and its tributaries by reducing the amount of stormwater runoff and pollution that enters the surface water of the watershed.

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2. Introduction

On May 28, 2000, the Souhegan River Corridor was recognized for its outstanding natural and cultural resources when it was listed as a designated river under the New Hampshire Rivers Management and Protection Act of 1990. Most of the river corridor is categorized as Rural and the rest Rural-Community or Community. The first Souhegan River Watershed Management Plan was completed in March 2006.

Every designated river is required by RSA 483 to have a local river management advisory committee. Souhegan River Local Advisory Committee (SoRLAC) includes members from the towns of:

- Amherst
- Greenville
- Merrimack
- Milford
- New Ipswich
- Temple
- Wilton

SoRLAC is currently seeking members from Bedford and Lyndeborough. The Souhegan River has a 220 square mile watershed that includes portions of seventeen communities in New Hampshire and two towns in Massachusetts, as listed in Table 1 and seen in Map 1. Souhegan River Watershed Basemap below.

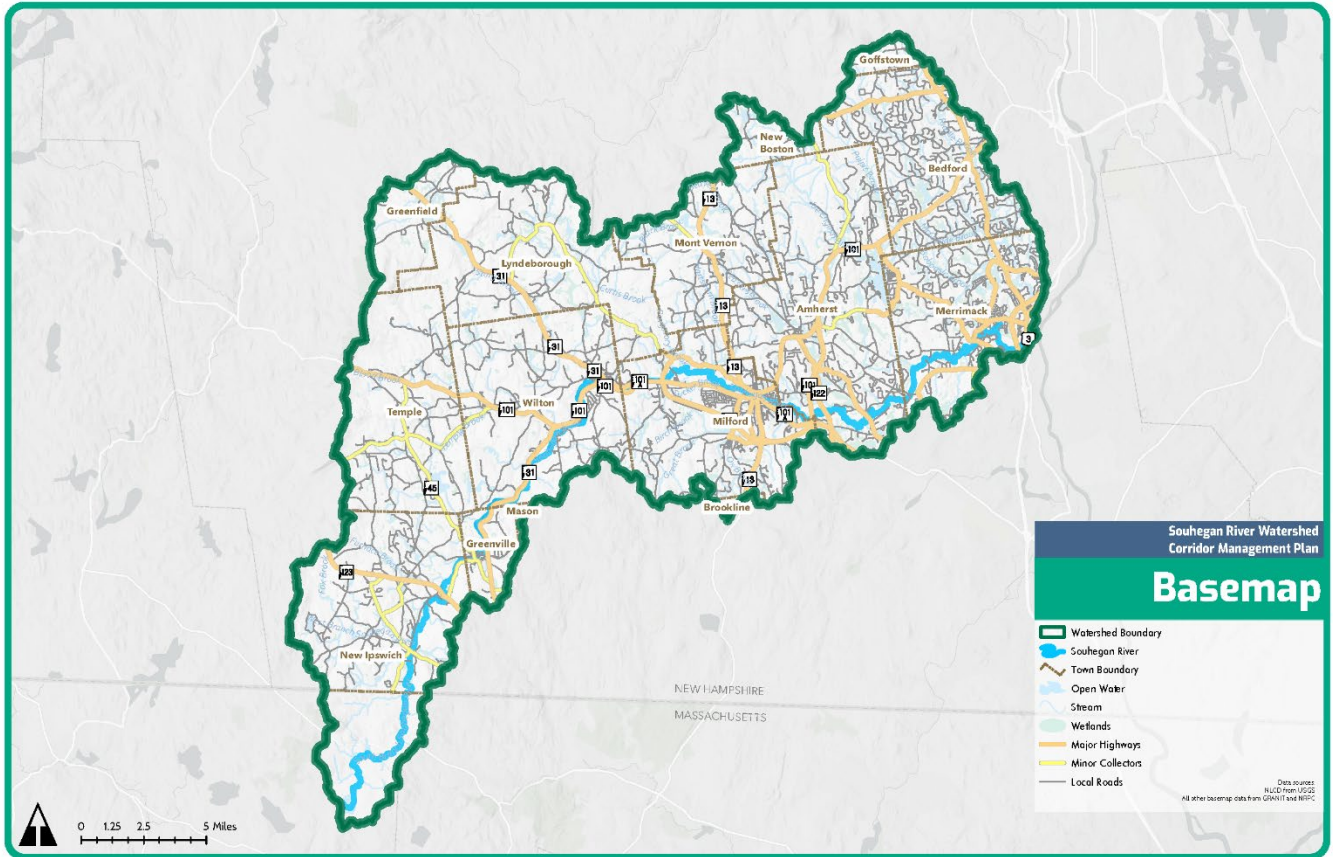
Table 1. Total Acres by Town in Watershed

| Town | # of acres in watershed | % of town in watershed | % of watershed |
|---------------------|-------------------------|------------------------|----------------|
| Amherst | 20,237 | 92% | 14% |
| Bedford | 12,333 | 58% | 9% |
| Brookline | 253 | 2% | 0% |
| Goffstown | 1,006 | 4% | 1% |
| Greenfield | 4,280 | 25% | 3% |
| Greenville | 2,083 | 47% | 1% |
| Lyndeborough | 14,815 | 76% | 11% |
| Mason | 230 | 1% | 0% |
| Merrimack | 11,649 | 54% | 8% |
| Milford | 13,065 | 80% | 9% |
| Mont Vernon | 9,238 | 85% | 7% |
| New Boston | 2,196 | 8% | 2% |
| New Ipswich | 14,606 | 69% | 10% |
| Peterborough | 56 | <1% | 0% |
| Sharon | 2 | <1% | 0% |
| Temple | 13,480 | 94% | 10% |
| Wilton | 15,485 | 94% | 11% |
| Ashburnham, MA | 2,787 | 10% | 2% |
| Ashby, MA | 2,824 | 18% | 2% |
| Total acres: | 140,625 | | |

Source: Nashua Regional Planning Commission (NRPC) GIS data.

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Map 1. Souhegan River Watershed Basemap



3. Watershed Conditions

The Souhegan River is approximately 34 miles long, flowing generally northeasterly and easterly through New Ipswich, Greenville, Wilton, Milford, Amherst, and Merrimack, NH. Its headwaters are in Ashburnham, MA. The designated river officially starts in New Ipswich and ends where it discharges into the Merrimack River in Merrimack, NH.

Geomorphology

The Souhegan River Protected Instream Flow Report (NHDES, 2008) notes that the upper Souhegan River is very different from the lower Souhegan River. The upper portion has a steeper descent, with large rocks, boulders and bedrock outcrops, as seen below in Figure 1. Souhegan River in Greenville. It is a straightened stream about 16 to 50 feet wide with a shallow and fast-moving current. The transition happens upstream of Milford, where the lower portion of the river has a less steep descent and a sand and fine gravel bottom, as pictured in Figure 2. below.



Figure 1. Souhegan River in Greenville.
Credit: Cory Ritz



Figure 2. Souhegan River Access at Seaverns Bridge, Merrimack.
Credit: Eric Doberstein

The lower portion meanders and is dotted with oxbows. Corridor elevations vary from a high point of 1,050 feet in New Ipswich to a low of 50 feet in Merrimack. Over its 31.8 miles it occasionally drops quickly, forming rapids in Greenville, Wilton, and Merrimack. At Wildcat Falls in Merrimack, it drops 83 feet over a series of three falls.

Water Quantity

The Souhegan River was one of the first rivers in New Hampshire to have a water management plan for instream flows. [The Souhegan River Water Management Plan](#), completed by NHDES in 2013, contains management sub-plans for conservation, water use, and dam management that go into effect as the river flow reaches certain thresholds. The recognized uses that depend on flow include: hydropower; pollution abatement; agriculture, recreation; maintenance and enhancement of aquatic fish and life; fish and wildlife habitat; and rare, threatened, and endangered fish, wildlife, vegetation or natural/ecological communities.

The United States Geological Survey (USGS) collects stream flow information at two sites: one just above Wildcat Falls in Merrimack and one upstream of the Milford Oval. NHDES maintains a gauge in New Ipswich, at Souhegan

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Flood Control Dam 19. Data from all three sites is available through an [NHDES Real-Time Data & Information for Watersheds dashboard](#).

Tributaries

The Souhegan River Watershed contains approximately 271 miles of rivers and streams and 103 miles of intermittent streams. One tributary stream in Merrimack is pictured in Figure 3 below. The major tributaries to the Souhegan River are listed in Table 2 and pictured on Map 2. Sub watersheds of the Souhegan River. Map 2 and subsequent maps are located in the map section at the end of the plan document. Many of the intermittent streams are not mapped and not included in these numbers.



Figure 3. Tributary to Souhegan River, Merrimack.

Table 2. Major Tributaries to the Souhegan River

| Stream Name | Length (mi) | Free-flowing or dammed | Legislative Classification |
|-------------------------|-------------|------------------------|----------------------------|
| S. Branch Souhegan R. | 4.0 | Dammed | B |
| W. Branch Souhegan R. | 2.0 | Dammed | B |
| Furnace Brook | 3.2 | Dammed | B |
| Richardson Brook | 4.2 | Dammed | B |
| Blood/Gambol Brook | 7.0 | Dammed | B |
| Stony Brook | 9.6 | Dammed | B |
| Mill Brook | 7.4 | Dammed | A |
| Tucker Brook | 4.5 | Free-flowing | B |
| Purgatory Brook | 5.7 | Free-flowing | B |
| Caesar's & Beaver Brook | 7.7 | Free-flowing | B |
| Great Brook | 4.4 | Dammed | B |
| Hartshorn Brook | 3.2 | Dammed | B |
| Baboosic Brook | 12.7 | Unknown | B |
| McQuade Brook | Unknown | Unknown | B |

Source: NRPC GIS Data.

Lakes and Ponds

There are approximately 1,707 acres of small ponds and water bodies in the Souhegan River watershed. Most of the ponds are less than 10 acres in size and are associated with wetlands systems or streams. Significant lakes and ponds greater than 10 acres, which makes them state-owned, are listed in Table 3 below.

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Table 3. Significant Lakes and Ponds in Souhegan River Watershed

| Lake or Pond Name | Size (acres) | Municipality |
|--|--------------|--------------------------------|
| Water Loom Pond | 43 | New Ipswich |
| Pratt Pond | 38 | New Ipswich |
| Wheeler Pond | 10 | New Ipswich |
| Tobey Reservoir (Greenville Reservoir) | 122 | Temple |
| Heald Pond | 69 | Temple/Wilton |
| Badger Pond | 12 | Lyndeborough |
| Burton Pond | 26 | Lyndeborough |
| Putnam Lake | 50 | Lyndeborough |
| Osgood Pond | 20 | Milford |
| Horton's Pond | 69 | Mont Vernon |
| Joe English Pond | 36 | Mont Vernon/New Boston/Amherst |
| Baboosic Lake | 222 | Amherst |
| Little Baboosic Pond | 15 | Amherst |
| Honey Pot Pond | 12 | Amherst |

Source: New Hampshire Water Quality Report to Congress (305(b)), NHDES list of water bodies.

Wetlands

Wetlands within the Souhegan River watershed are confined to low-lying areas adjacent to the river and its tributaries and depressions located throughout the watershed, as shown in Map 3. Floodplains of the Souhegan River Watershed. Poorly drained and very poorly drained soils are shown in the Map 4. Important Soils of the Souhegan River Watershed. Within the corridor, the most extensive wetlands are in Milford and Amherst and are often connected to wetland systems along tributary streams. Wetlands are not common in the upper river where it is steep with shallow soils.

Even though wetlands are legally protected by federal, state, and local means, they are still vulnerable to development and pollution. Stormwater washes pollutants, such as road salt, into wetlands, and property owners may not know about no-cut or no-build buffers. Local land use boards can also grant special permissions to property owners that allow certain uses in wetland buffer areas. Wetlands in the eastern part of the watershed, where they are more common and development pressure is higher, are likely at the highest risk from development.

Groundwater

Bedrock in the basin consists of hard crystalline Paleozoic rock. Soils are composed of variable, unstratified, silty, gravelly sand and clays with interspersed cobbles and boulders. The stratified drift aquifers that follow the river provide a source of high quality/high quantity drinking water used for public drinking supplies by the towns of Merrimack and Wilton. Map 5. Groundwater in the Souhegan River Watershed shows transmissivity levels associated with the sand and gravel deposits in the watershed.

The most significant stratified drift deposits are located along the river corridor in Amherst and Milford and are referred to as the Souhegan Aquifer. The Souhegan Aquifer has a prolific water yield.

The Amherst aquifer along the Souhegan River extends from Merrimack to Milford. Six high-yield wells are in this area: the Milford Fish Hatchery well, three industrial wells, and the Savage and Keyes Municipal Wells. The Savage and Keyes wells had been used for Milford's municipal water supply, but were contaminated and

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removed from service in the 1980s. Both became Superfund sites: [Savage Municipal Water Supply Well Superfund Site](#) and [Fletcher's Paint Works & Storage Facility Superfund Site](#). Most of Milford's municipal water supply currently comes from three gravel packed wells, known as the Curtis Well, located in Amherst.

Wilton's two municipal water supply wells and the Monadnock Spring Water Company wells are also located in the river corridor. Stratified drift deposits located in the surrounding watershed tend to be discontinuous and shallow when compared to those within the river corridor.

Floodplains

The boundaries of the Souhegan River floodplain are depicted in Map 3. Floodplains of the Souhegan River Watershed. The 2009 FEMA flood maps for Hillsborough County are still the official maps as of mid-2024, but preliminary updated maps were released in 2023.

Most of the communities in the watershed participate in the Federal Flood Insurance Program and utilize the official Floodway Maps and the Flood Insurance Rate Maps to determine floodplain boundaries. The most extensive floodplains in the Souhegan Watershed are in Milford, Amherst, and Merrimack. West of the Milford Oval, the floodplain has a maximum width of about 4,000 feet. Through downtown Milford, the floodplain narrows to 200 to 400 feet. The floodplain in Amherst is more extensive than anywhere else in the corridor, with floodplain widths ranging from 1,400 feet to over one mile. Continuing into Merrimack, the average width of the floodplain in the western portion is 0.5 miles.

The construction of flood control dams by the Army Corps in the late 1960s has likely reduced severe flooding events along the river. While these dams have provided significant protection for the surrounding communities, they may have altered natural flooding patterns.

Wildlife and Vegetation

The Souhegan River corridor is home to diverse fish, amphibians, reptiles, birds, invertebrates, plants, and plant communities. Map 6. Wildlife Areas in the Souhegan River Watershed, which shows the Wildlife Action Plan Tiers, indicates that many areas of the watershed provide important habitat for wildlife. The largest areas considered to be Tier 1 are located where Greenfield, Temple, and Lyndeborough meet; along Purgatory Brook in Milford, Lyndeborough, and Mont Vernon; where Mont Vernon, New Boston, and Amherst meet; and south of Baboosic lake in Amherst and Merrimack.

The river is habitat for the banded sunfish (*Enneacanthus obesus*) which occurs in slowwater areas and impoundments and prefers heavily vegetated areas. While the banded sunfish is common in the Souhegan River, it depends on intact, vegetated shoreline, which is at high risk from shorefront development. The wood turtle (*Clemmys insculpta*) is a rare species that has been observed basking on a log in the reach between Milford and Merrimack. Wood turtles could be harmed by a decrease in winter water levels that could expose a hibernating turtle to freezing conditions.

Historical records of the rare Fowler's toad (*Bufo fowleri*) include several locations along the Milford to Merrimack reach of the Souhegan River. This species prefers sandy outwash soils. Fowler's toads are water dependent for breeding, eggs, and larval stage.

The state-threatened pied-billed grebe (*Podilymbus podiceps*) has been reported from the Amherst Country Club. Preferred habitat is densely vegetated emergent and deep marsh interspersed with large expanses of open water. The osprey (*Pandion haliaetus*) is an iconic bird of prey observed foraging over the fish hatchery in

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Milford, over the river, and reported from the Amherst Country Club. The common loon (*Gavia immer*) was reported from the Amherst Country Club, although it is unlikely to be nesting along the river. This state-threatened bird could be using river seasonally to forage for fish, its primary food. Table 4 lists the rare, threatened, and endangered species and communities.

Table 4. Rare, Threatened, or Endangered Species and Communities in the Souhegan Corridor

| Entity | Location |
|--|--------------------------------|
| Banded Sunfish (of Greatest Conservation Need) | Throughout |
| Blanding's Turtle | Milford, Amherst, Merrimack |
| Fowler's Toad | Milford, Amherst |
| Wood Turtle | Amherst, Merrimack |
| Eastern Hognose Snake | Amherst, Merrimack |
| Grasshopper Sparrow | Amherst, Merrimack |
| Pied-billed Grebe | Amherst |
| Common Loon | Amherst |
| Long's Bitter Cress | Greenville |
| Wild Garlic | Merrimack |
| Giant Rhododendron | Greenville, Milford, Wilton |
| Siberian Chives | Merrimack |
| Birds Foot Aster | Merrimack |
| Skydrop Aster | Merrimack |
| Goat's Rue | Merrimack |
| Stiff Tick Trefoil | Merrimack |
| Emergent Wetlands | Greenville, Amherst, Merrimack |
| S. New England High Energy Riverbank community | Greenville, Wilton |
| S. New England Floodplain Forest community | Merrimack, Amherst |

Source: NH Natural Heritage Inventory, NHDES Instream Protected Uses.

Long's bitter cress (*Cardamine longii* Fern) is an obligate aquatic plant that has only been recorded from one location in NH (Greenville) and this was prior to 1984. It was not observed during an Instream Protected Uses, Outstanding Characteristics, and Resources (IPUOCR) survey conducted by a field team in 2004. Two other endangered or threatened flora that are potentially flow dependent are siberian/wild chives (*Allium schoenoprasum*) and giant/great-laurel rhododendron (*Rhododendron maximum*) (Cairns 2004, NHI 2004). Siberian chives typically require pristine floodplain forest or mid-river island habitat while giant rhododendron typically requires acidic moist soils associated with heavily wooded, low-lying forests.

Sand and cobble bars with plant communities resembling the Southern New England High-Energy Riverbank Community (listed by New Hampshire Natural Heritage Inventory NHNHI) have been observed. Dominant species included twisted sedge (*Carex torta*), dogbanes (*Apocynum sibiricum*; *A. cannabinum*), Joe-pye weeds (*Eupatorium* spp.), reed canary grass (*Phalaris arundinacea*), swamp candles (*Lysimachia terrestris*), willow (*Salix* spp.), and grapes (*Vitis* sp.). At slightly higher elevations, shrubs such as silky dogwood (*Cornus amomum*) and alder (*Alnus incana*), ferns and other herbaceous plants are often dominant. These habitats depend on periodic high flow scouring to reduce competition from plants less tolerant of flooding and coarse soils.

Southern New England Floodplain Forest communities were observed upstream of Milford. The red maple (*Acer rubrum*) Floodplain Forests, typical of smaller rivers, with sycamore, white ash, ironwood, false nettle, ferns,

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grapes, and sedges. Within Amherst and Merrimack, silver maple (*Acer saccharinum*) was observed. Floodplain forest plant communities are dependent on periodic flooding and scouring to provide nutrients and reduce competition from flood-intolerant plant species.

Dragonflies and damselflies are good indicators of water quality and are identifiable by their shed exoskeletons and adult forms. The spine-crowned clubtail (*Hylogomphus abbreviatus*) and the brook snaketail (*Ophiogomphus aspersus*), uncommon species in New Hampshire, have been found along the river near Route 122 in Amherst.

Industrial Use

Dams

Dams on the Souhegan River have played a large role in the region's history, supporting early industries, powering mills, providing areas to recreate, controlling floods, and shaping local communities. While these structures were once essential to economic development, they have also contributed to habitat fragmentation, reduced natural sediment transport, and altered the river's ecological balance.

In 2008, the Merrimack Village Dam in Merrimack was decommissioned, opening up 14 miles of river. In 2014, a feasibility study was completed for the potential decommissioning of the McLane and Goldman dams in downtown Milford. The removal of the McLane and Goldman dams should continue to be considered, as their removal would open up six more miles of the main stem of the Souhegan River.

Existing dams are listed in Table 5 below and shown in Map 7. Dams in the Souhegan River Watershed. Figure 4. below shows the site of the former Merrimack Village Dam. A list of all dams and their owners in the watershed can be found in Appendix D: List of Dams in the Souhegan River Watershed.

Table 5. Listed Dams on the Souhegan River

| Impoundment Name | Location | Hydroelectric? |
|---------------------------------|---------------------------------|----------------|
| Souhegan River Dam, AKA Site 19 | New Ipswich | No |
| Waterloom Pond Dam | New Ipswich | Yes |
| Otis Dam | Greenville | Yes |
| No. 4 Mill Dam | Greenville | No |
| No. 6 Mill Dam | Greenville, behind No. 6 Mill | Yes |
| Souhegan River Dam | Wilton | No |
| Souhegan River III Dam | Wilton | No |
| Souhegan River Dam | Wilton | No |
| Pine Valley Mill Dam | Wilton, near Milford town line. | Yes |
| Goldman Dam | Milford | No |
| McLane Dam | Milford | No |

Source: NHDES.

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Figure 4. Site of the former Merrimack Village Dam, Merrimack.

Credit: Eric Doberstein.

Water Withdrawals

Facilities which use 20,000 or more gallons of surface water or groundwater per day (gpd) are required to register with the NHDES Water Management Bureau to report its monthly water use. Currently, there are no surface water withdrawals for public drinking water supplies directly from the Souhegan River. However, Pennichuck Water Works withdrew water from the river from 1965-1984 and maintains the right to withdraw water in the future, and the Amherst Country Club and Souhegan Woods Golf Club both withdraw water directly from the river for irrigation. As seen in Table 6, there are five municipal water supply wells in the watershed, one in Amherst, two in Milford and two in Wilton. A water system is classified as public if it has 15 or more service connections or serves 25 people or more at least 60 days each year. Monadnock Spring Water in Wilton is the only commercial well in the watershed that markets a regional product. A major component of the withdrawals from the Souhegan River is for the Milford Fish Hatchery.

Table 6. Public Water Supplies Near the Souhegan River

| Name | Source Type |
|--|---------------|
| Amherst Country Club | Groundwater |
| Milford Water Works and WWTF | Groundwater |
| Monadnock Mountain Spring | Groundwater |
| Pennichuck Water Works, Amherst Village District | Groundwater |
| Pennichuck Water Works, Souhegan Woods | Groundwater |
| Ponemah Green Golf Course | Groundwater |
| Wilton Water Works | Groundwater |
| Greenville Town | Surface Water |

Source: NHDES Water Management Bureau.

Wastewater Discharges

All point sources of pollution that discharge directly to surface waters are required to obtain a permit under the National Pollutant Discharge and Elimination System (NPDES). NPDES permits specify effluent limitations, compliance schedules, and monitoring and reporting requirements. Point source discharges include: Greenville

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WWTF (wastewater), Souhegan Wood Products (non-contact cooling waters), Hitchiner Manufacturing (non-contact cooling waters), Milford WWTF (wastewater), and Harcross Chemicals (non-contact cooling waters).

Superfund Sites

Four hazardous waste disposal sites are near the river: the Savage Municipal Water Supply Site and Fletcher Paint EPA Superfund Site in Milford, as mentioned above, and the N.H. Plating Company Superfund site in Merrimack. The Savage Municipal Water Supply Site was divided into two units. One is known as the O.K. Tool Source Area and the other as the Extended Plume Area.

In 1983, testing revealed volatile organic compounds (VOCs) levels that exceeded drinking water standards in the Savage Municipal Well. The groundwater is contaminated with VOCs including tetrachloroethylene (PCE), trichloroethylene (TCE), 111-trichloroethane, and vinyl chloride; and heavy metals including lead, chromium, and nickel. The soil and on-site stream were also found to be contaminated with VOCs. A stream that receives discharge from Hitchiner Manufacturing and previously from Hendrix Wire and Cable flows through the site prior to entering the Souhegan River. Thanks to an extensive cleanup effort, there has been a significant reduction in groundwater contamination levels since then. Groundwater monitoring continues.

The Fletcher's Paint Works and Storage Site was first investigated by EPA in 1988. This two-acre site, which borders the river, has sediments and surface waters contaminated with VOCs, including benzene and toluene; heavy metals including nickel and lead; and PCBs. Soil contamination consists primarily of PCBs, PAHs and VOCs. Extensive clean-up efforts have been completed, including excavation and backfilling activities in the Souhegan River in 2016, and capping the site in 2017. There are no public or private wells in use near the site.

The third Superfund site is 13 acres formerly home to the New Hampshire Plating Company (NHPC) in Merrimack. Four lagoons hold wastes and wastewaters from the company's electroplating operations. VOCs and heavy metals, including cadmium, are present in groundwater. Remediation began in 2005 and included excavating all remaining contaminated soils and sludge, treating contaminated soils, and capping with a 2-foot soil cover. As of 2023, EPA was re-designing its groundwater treatment strategy to further reduce contaminant migration.

Because of PCB contamination from these sites, there is a fish consumption advisory for all freshwater fish in the Souhegan River between Riverway East and the Goldman Dam in Milford. No one should eat freshwater fish from this stretch of river.

Saint-Gobain Site

In 2016, Perfluorooctanoic acid (PFOA) was first found in tap water at the Saint-Gobain Performances Plastics facility in Merrimack. They manufactured coated textiles and films from 2002 until 2024. Before that, Chemfab made similar products at the same site beginning around 1986. Both companies used PFOA and per- and polyfluoroalkyl substances (PFAS) in their manufacturing processes. As a result, the PFOA and PFAS were released in air emissions from the facility, ultimately contaminating groundwater in Merrimack, Bedford, and other towns outside the watershed. Bottled water and municipal water hookups have been provided to many residents with contaminated wells. Monitoring wells have been installed and NHDES continues to investigate the extent of the contamination. Saint-Gobain ceased operations at the facility in May 2024 and began demolishing it in late 2024. [NHDES has a webpage summarizing the history of the Saint-Gobain site in more detail.](#)

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Old Dutch Mustard Company (Pilgrim Foods)

Old Dutch Mustard Company, doing business as Pilgrim Foods, has a long history of violating the Clean Water Act by discharging acidic water into the Souhegan River in Greenville without a permit. They have had multiple violations since the 1980s. In May 2023, NHDES inspectors discovered wastewater from the facility flowing from the facility into the Souhegan River and ultimately determined that acidic wastewater and stormwater had been purposefully discharged into the river since at least 2015. In 2025 the owner pleaded guilty to violating the Clean Water Act.

Recreation

Boating

Boating on the Souhegan River is limited to canoes and kayaks, as seen in Figure 5., because most sections are too shallow for larger watercraft. The western sections of the river from Greenville to Wilton provide intermediate-level whitewater canoeing and kayaking during the spring and other periods of high water, with early ice-out, good training runs, and easy accessibility. The Appalachian Mountain Club's (AMC) River Guide classifies the rapids in this section as Class II, III and IV. The stretch of the river between Wilton and Milford is difficult to canoe or kayak because the water level is generally very low and portages are required around the dams.



Figure 5. Kayakers at Kayley Park, Milford.

Credit: Eric Doberstein.

Below the Route 122 Bridge in Amherst, the river is flat and provides excellent opportunities for family canoe outings. The water is shallow with a sandy bottom and there are spots to picnic and wade. Below the Seaverns Bridge in Merrimack, the river quickens as it flows through a series of ledges known as Indian Ledges. This point is only passable when the water is high. The stretch of the river below Turkey Hill Bridge is impassable to watercraft because of Wildcat Falls, as shown in Figure 6 below.

Public access in Wilton is limited to the western section of town, adjacent to the bridge on Isaac Frye Highway and within the NH Department of Transportation scenic easement on Route 31 South. In Milford, river access is available at Keyes Memorial Park, the Milford Community Athletic Association (MCAA) fields, and Kaley Park, which has a canoe launch. Amherst has two canoe or kayak access points maintained by the Amherst Conservation Commission. The first, at the Route 122 bridge, has off-street parking and a defined launch area, as shown in Figure 7 below.

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Figure 6. Wildcat Falls, Merrimack.

The second access point is near the bridge at Boston Post Road and has two parallel staircases leading to the river, wide enough to easily carry a boat up and down to the river. There are also two canoe and kayak access ports in Merrimack: the Turkey Hill Bridge and the Seaverns Bridge. There are no formal ramps at either facility and access is over the riverbank. A minimum amount of off-street parking is available at each site adjacent to the bridges.



Figure 7. Canoe port at the Route 122 Bridge, Amherst.

Credit: Eric Doberstein.

The Souhegan Watershed Association has created an online map of river access points for paddling: [The Souhegan River Paddling Access map](#).

Swimming

Swimming in the river is limited to a few areas where it is deep enough. Two popular swimming areas are the confluence of Purgatory Brook in Milford and the canoe launch on Boston Post Road in Amherst. The Milford site is accessible through state-owned property, so it is protected from future development. The Amherst canoe launch is town-owned conservation land. However, people enjoy wading and rock jumping all along the river. One of the most popular wading and rock jumping locales is in Wilton along the Department of Transportation's scenic easement on Route 31. Limited parking is provided in two locations along the easement.

Golf

There are three golf courses along the Souhegan River in Amherst:

- Amherst Country Club, Route 122.
- Ponemah Green, Route 122.
- Souhegan Woods Golf Club, Thornton's Ferry Rd.

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Hiking, Fishing, & Picnicking

Passive recreation spots include:

- Riverside Park in Greenville.
- Taft Land owned by New Hampshire Fish and Game (NHF&G) in Greenville.
- The Souhegan River Scenic Easement owned by New Hampshire Department of Transportation (NHDOT) in Greenville/Wilton.
- Town Forest owned by the Town of Wilton.
- Heald Tract owned by the Society for Protection of New Hampshire Forests (SPNHF) in Wilton.
- The Milford Fish Hatchery, owned by NHF&G.
- The Souhegan River Trail in Milford, two separate sections with permanent easements.
- Milford Community Athletic Association (MCAA) Park.
- Keyes Memorial Park, owned by the Town of Milford.
- Emerson Park, owned by the Town of Milford.
- Bicentennial Park, owned by the Town of Milford.
- McLane Dam Area, owned by the Town of Milford.
- Kaley Park, owned by the Town of Milford.
- Amherst canoe port, owned by the Town of Amherst.
- Route 122 access, owned by the Town of Amherst.
- Scott Land, owned by the Town of Amherst.
- The Sherburne Site, owned by the Town of Amherst.
- The Turkey Hill Bridge Site, Weston Park, owned by the Town of Merrimack.
- Wildcat Falls Conservation Area, owned by the Town of Merrimack, with some trails on NHDOT property.
- The Souhegan River Trail, connecting Wildcat Falls to Watson Park in Merrimack, pictured in Figure 8.
- Watson Park, owned by the Town of Merrimack.

There is also informal, publicly owned access for fishing and canoeing at various bridge crossings along the river including the Captain Clark Bridge in Wilton, Route 122 Bridge in Amherst, and the Turkey Hill and Seaverns Bridges in Merrimack.

Other public and semi-public lands include the Milford Wastewater Treatment Plant, Riverside Cemetery in Milford, the Scott Land in Amherst, Fields Farm Conservation Area and Riverside Park in Merrimack.

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Figure 8. The Souhegan River Trail, Merrimack

Conservation and Open Space

Parcels of conservation land and open space located in or near the river corridor include the following:

New Ipswich:

- There are a few small parcels of land owned by the town along the river that are predominately forested.

Greenville:

- NH Fish and Game owns a large parcel that is predominately forested and includes the High Falls.
- Riverside Park is a small undeveloped park.

Wilton:

- The Town Forest.
- SPNHF parcels along Rt. 31.
- NHDOT owns a 3.2-mile scenic easement on Rt. 31 in Wilton and Greenville.

Milford:

- McLane Dam land – floodplain, forest, fields.
- Emerson Park – a small, developed park.
- Keyes Memorial Park – floodplain, open recreational area.
- NH Fish and Game fish hatchery.
- North River Road, open space subdivision. Nine acres set aside for open space. Includes 250-foot buffer to the Souhegan River.
- Conservation easement adjacent to Souhegan River east of the Fish Hatchery; and 50-foot Town easement along the Souhegan River from North River Road to the Fish Hatchery.

Amherst:

- Scott and Sherburne sites – These two adjacent parcels, 39 acres and 10 acres respectively are predominately floodplain. The Scott land is located on both sides of the Souhegan River, bordering

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Boston Post Road and Thorntons Ferry II. The Sherburne land, opposite the Souhegan High School has the Souhegan River as its rear boundary and Simeon Wilson Road as the front boundary.

- The Currier Land – predominately floodplain.
- The Curtis Well Site – public drinking water, mixed woods and fields.
- Buckmeadow Conservation Area – a former golf course.

Merrimack:

- Wildcat Falls Conservation Area, owned by the Town of Merrimack, with some trails on NHDOT property.
- Turkey Hill Bridge site-open and forested, provides car top access to the river.
- Davidson Avenue green space – predominately forested.
- Camp Creager Boy Scout Camp.

Scenic Views

Portions of the river that are particularly beautiful or scenic include:

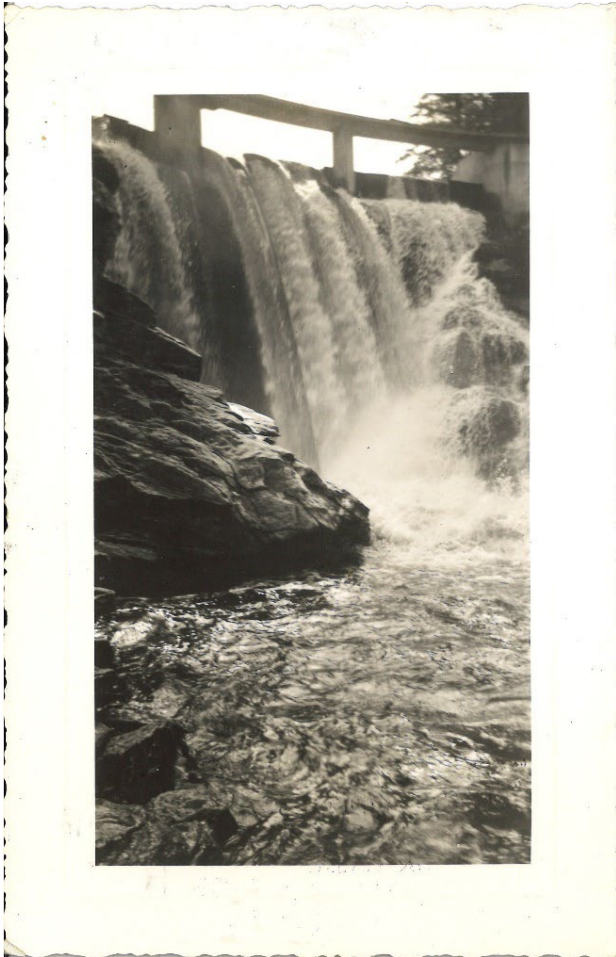


Figure 9. Historic photo of High Falls in Greenville.
Credit: collection of Marshall Buttrick.

- New Ipswich: along River Road along scenic Water Loom Pond and under High Bridge.
- Greenville: High Falls, a scenic gorge pictured in Figure 9, and the old town wells.
- Route 31 proceeds through a 3.2 mile corridor protected by a scenic easement. The easement starts in Greenville at the Green Bridge and continues to Goldsmith Brook in Wilton.
- Downtown Wilton: the river passes under an old railroad bridge. Wilton was accepted into the National Main Street Program with the river as an important element.
- Milford: the river passes under historic Col. John Shepard Bridge (aka the Stone Bridge) and the Swing Bridge.
- The Souhegan River Trail in Milford follows the river along the state-owned fish hatchery property and the MCAA park.
- The Stage at Keyes Memorial Park, where concerts and festivals are hosted, overlooks an oxbow in the river.
- The stretch of the river in Amherst between Route 122 and the Canoe Port on Boston Post Road. High gravel banks and nearby oxbows are home to many birds.
- Merrimack: Indian Ledges, Wildcat Falls, and the Souhegan River Trail are scenic resources.

Archaeological Resources

The first people who came to what is now New Hampshire arrived almost 13,000 years ago. The descendants of these people include the Nashaway, the Souhegan, and the Penacook which all spoke related dialects of the Abenaki language. Today these people are known collectively as the Abenaki, which is often translated as "People of the Dawnland."

Archaeologists from the New Hampshire Division of Historical Resources (NH DHR), professional and avocational archaeologists have identified archaeological sites from various cultural periods including the Early Archaic and Colonial Periods within the Souhegan watershed.

A review of the records included in [New Hampshire Division of Historical Resources' EMMIT+](#), the NH DHR's online inventory of historic and archaeological records, indicates that nine archaeological sites have been recorded along a quarter-mile buffer of the main corridor of the Souhegan River. Seven of these sites date to various pre-contact cultural periods and two are defined as multi-component. Pre-contact sites typically contain deposits attributed to the time prior to European contact and at times can be attributed to the major pre-contact cultural periods shown in Figure 10. Cultural Chronology of New England. The presence of these sites affirms that the Souhegan River has been the site of human habitation for many millennia and the presence of multi-component sites indicate that people over time utilized similar areas/landforms. As not all areas along the Souhegan River or within the larger watershed have been surveyed for the presence of archaeological resources, the archaeological record is considered fragmentary.

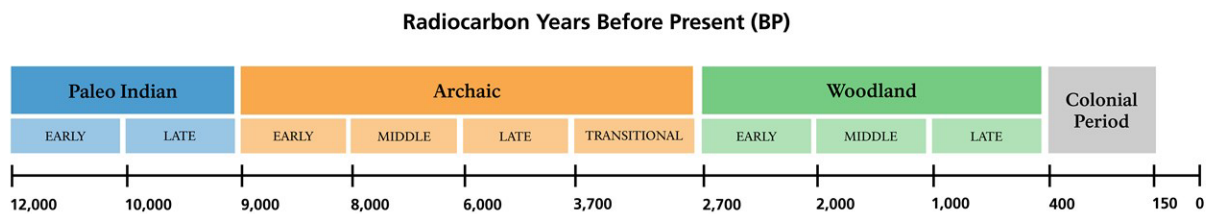


Figure 10. Cultural Chronology of New England.

Source: *National Park Service*.

Abenaki people named this river Souhegan (also spelled Soughagen, Souhegonack, Sowheage, Souhegen, Souheganash). At different locations it was referred to as "River of the plains," "river of difficult portages," and "waiting and watching place." The Abenaki people set up villages, sometimes seasonally, along rivers and lakes where they had access to water and could hunt, farm and fish. Early fishermen set weirs across the rapids, and then waited and watched for fish, including salmon, alewives, sturgeon, and eels.

Historic Resources

A review of the records included in EMMIT+ indicates that eighty-three historic architectural resources have been recorded along a quarter-mile buffer of the main corridor of the Souhegan River. The majority of the recorded resources consist of general historic buildings, such as houses, town halls, churches, and schools concentrated in the town centers of Milford and Wilton, as shown in Table 7 below.

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Figure 11. Mill Street Bridge, Greenville.

Table 7. Documented Historic Architectural Resources within 1/4-mile of the Souhegan River Corridor

| Town | Historic Buildings | Historic Districts | Dams | Bridges | Mills | Landscapes/ Parks | Total |
|--------------|--------------------|--------------------|----------|-----------|----------|----------------------|-----------|
| Merrimack | 1 | 2 | 0 | 2 | 0 | 0 | 5 |
| Amherst | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Milford | 41 | 2 | 2 | 3 | 2 | 1 | 51 |
| Wilton | 16 | 0 | 0 | 2 | 0 | 0 | 18 |
| Greenville | 1 | 0 | 0 | 3 | 1 | 0 | 5 |
| New Ipswich | 0 | 1 | 0 | 2 | 0 | 0 | 3 |
| Total | 60 | 5 | 2 | 12 | 3 | 1 | 83 |

Some specific water-related historic structures within the corridor of interest to the Committee include:

Mills

- New Ipswich: High Bridge Mill, Columbian Manufacturing Company, Routes 123 and 124.
- Greenville: Columbian Manufacturing Company Tenement, Main St., Mill No. 4, Main and Mill Streets.
- Milford: Milford Cotton and Woolen Manufacturing Company, 2 Bridge Street, listed on the National Register of Historic Places.
- Merrimack: remains of Grist Mill located on private property at Indian Ledge Falls. Remains of canal to power mills at Merrimack Village Dam site.

Bridges

- New Ipswich: **High Bridge** - This bridge is claimed to be the highest stone bridge in the state, although the arch itself is comparatively small. The bridge presents a stone wall to the viewer and is 156 feet long and has been dated to 1817.
- Greenville: **Railroad Bridge, Green Bridge, Mill Street Bridge** - A stone arch bridge built circa 1858, pictured in Figure 11.

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- Wilton: **Railroad Bridge** – Located downtown, old town pictures show that this was previously a covered bridge. **Whiting Bridge** - This bridge crosses Stony Brook at Route 31.
- Milford: historic **Col. John Shepard Bridge** (aka the Stone Bridge), built in 1846 at the site of the first bridge across the river, and the **Milford Suspension Bridge** (aka the Swing Bridge), a 200-foot iron cable suspended footbridge designed by the Berlin Iron Bridge Company, built in 1889, and listed on the National Register of Historic Places in 2017.
- Amherst: Granite structure abutments remain at the following sites: Behind a commercial plaza on route 101A, as pictured in Figure 12 and at the Amherst Country Club on route 122. **Old Boston Post Road Bridge** – A stone bridge visible from the new Boston Post Road Bridge.
- Merrimack: **Chamberlin Bridge** on Route 3.

Dams

- New Ipswich: Waterloom Falls.
- Greenville: No. 1 Mill (Otis Mill), No. 4 Mill.
- Wilton: Pine Valley.
- Milford: McClane Dam, and Goldman Dam.
- Merrimack: Merrimack Village Dam was removed in 2008.



Figure 12. Bridge Abutment of the Milford-Manchester B&M Rail Bridge, Amherst.

Credit: Amherst Heritage Commission.

Land Use

Forested land is the dominant land cover in the watershed outside of each community's Town center and the urbanized areas along the New Hampshire Route 101 and 101A corridors, as seen in Map 8. Land Cover in the Souhegan River Watershed. Significant portions of the forested land within the watershed are actively managed for timber harvesting and wildlife management.

The land use by parcel in the watershed is shown in Map 9. Land Use in the Souhegan River Watershed. This map shows how the land is currently used, which does not reflect how it is zoned or what it could be used for in the future. Commercial and industrial areas are concentrated in the river corridor, while areas further away from the corridor are primarily land only or residential use. The Town of Temple does not maintain a parcel boundary

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database, so their land use is not shown. Table 8 lists the number of acres in the watershed categorized as each type of use (excluding land in Temple and Massachusetts). Single-family residential is by far the most common land use in the watershed. The Unclassified/Unknown Other category is primarily land in conservation or owned by a municipality or school district.

Table 8. Parcel-based Land Use based on data from NH Division of Revenue Administration

| Land Use | Acres | Percent |
|------------------------------|----------------|-------------|
| Single-Family Residential | 129,317 | 42% |
| Other Residential | 45,701 | 15% |
| Land Only | 77,374 | 25% |
| Commercial | 9,322 | 3% |
| Mixed Use | 147 | 0% |
| Industrial | 2,639 | 1% |
| Unclassified Non-Residential | 1,308 | 0% |
| Unclassified/Unknown Other | 41,985 | 14% |
| Total: | 307,794 | 100% |

Source: NH Division of Revenue Administration. *Does not include portions of watershed in Temple or Massachusetts.

State-Owned Lands

The most significant parcels of state-owned land in the watershed are in Greenville, Wilton, Lyndeborough, Milford, and Merrimack as shown on Map 10. State-owned Lands in the Souhegan River Watershed. These parcels include: the 210-acre Souhegan River Wildlife Management Area (WMA) in Greenville; the 887-acre Russell Abbott State Forest, partially inside the watershed in Wilton; the Souhegan River Watershed sites #8 and #33, totaling about 600 acres in Lyndeborough and Wilton; the 169-acre Milford Fish Hatchery in Milford, and the 56 acres of NHDOT land adjacent to Wildcat Falls Conservation Area in Merrimack. The New Hampshire Forests & Lands Division of the Department of Natural and Cultural Resources maintains an [interactive map of the state-owned lands that they own, manage, and/or monitor](#).

The [New Hampshire Rivers Management Advisory Committee \(RMAC\)](#) has been inventorying state lands to determine if any are of particular importance to the state's rivers. Only one parcel of state-owned land in the watershed, a 0.1-acre parcel on Route 101 in Bedford, has been identified as low priority.

4. Opportunities and Threats

Flooding & Erosion

Southern New Hampshire has been experiencing heavy rain events more frequently than it has historically and that trend will continue. The Climate Mapping for Resilience and Adaptation tool predicts that by mid-century (2035 to 2064) southern New Hampshire will receive approximately 3 more inches of rain per year, but that rain will occur on fewer days, indicating heavy rains (U.S. Federal Government, 2022). The *Nashua Region Water Resiliency Action Plan* (NRPC, 2016) describes in more detail potential vulnerabilities related to increased flooding and drought.

Certain locations in the Souhegan River watershed are more likely to erode than others. Map 11. Fluvial Erosion Risk in the Souhegan River Watershed shows two tributaries that have hazard ratings of “extreme”: Tucker Brook, just south of NH Route 101 in Milford, and Baboosic Brook, where it meets the Souhegan River in Merrimack. Much of the main stem of the Souhegan River in Milford and Amherst are at “very high” risk of erosion – these are areas where the river tends to meander and has sandy banks. Currently, the river overtops the Boston Post Road in Amherst one to two times a year. While Wilton has sections rated at “high” erosion risk, the rocky banks of the river upstream of Milford are less prone to erosion. While there are ways to stabilize riverbanks, it is best practice to avoid new construction in high erosion risk areas.

Water Quantity

Heavier rain events interspersed with droughts are the biggest threat to the quantity of water in the river. More water than usual leads to flooding and erosion, but too little is also a risk. While Figure 13 shows high water levels, in late 2024, the Souhegan River stream flow volume was lower than flow levels considered “critical to supporting the human and natural resources that depend on it” (NHDES, 2013). In particular, streamflow needs to be high enough to support the habitat needs of fish. While fish are adapted to survive the changing water levels that happen with the seasons, flow levels that are very low can be chronically stressful or fatal.

Water levels can be controlled, to a degree, with dams. Some of the dams on the upper reaches of the river were built for flood control and they are not designed to release water from the impoundments during periods of low flow. However, they still reduce peak flow during flood events.

The inability to manage water releases during dry spells can lead to reduced instream flows, negatively affecting aquatic habitats and water quality. The 2013 NHDES Souhegan River Water Management Plan emphasizes the importance of maintaining natural flow regimes to support both ecological integrity and human uses. The plan highlights that even natural occurrences like floods and droughts play crucial roles in river environments, and managing flow characteristics such as magnitude, frequency, and duration is important for sustaining the river's health. Addressing the limitations of non-operational dams is a recommendation for an effective instream flow management.



Figure 13. Souhegan River at North River Road, Milford, NH.
Credit: Eric Doberstein.

Water Quality

The Souhegan River and all its tributaries have a legislative classification of Class B except for the Mill Brook system in Wilton, which is identified as Class A water, the highest quality. [The Souhegan Watershed Association](#) (SWA) has been monitoring the river's water quality since 1997. This data documents the health of the river over 25-plus years, making it possible to notice changes over time and see how recent sample results compare to historic sample results.

Trained volunteers collect water samples from sites in the Souhegan River Watershed. In 2024, SWA took samples at seven sample sites that examined levels of *E. coli*, dissolved oxygen (DO), and pH. *E. coli* is a type of bacteria found in feces and can indicate a leaking septic system or runoff from livestock; DO is a measure of how much oxygen is present in the water, which fish and other aquatic life need to survive; and pH is a measure of acidity, which can help identify pollution or unhealthy conditions for aquatic life. While pH is typically in a healthy range, DO results are sometimes lower than ideal, which is likely due to low flows and hot weather. However, *E. coli* measurements are often at levels high enough to make people sick.

E. coli

An analysis of historical water quality data from 1998 to 2022 (excluding 2020) found that when it rains, *E. coli* counts tend to be higher, suggesting that rain washing pollutants into the river is a significant source of non-point source contamination. Such sources could include septic overflows, agricultural areas, parking lots and roads, and other disturbed landscapes. Any sample results showing more than 406 MPN/100mL of *E. coli* is considered hazardous to human health because contact with it can cause infections. Swimming beaches should not exceed 88 MPN/100mL. Figure 14. shows the positive relationship between the amount of *E. coli* present in a sample and how many inches of precipitation fell in the previous 48 hours. The full analysis can be found in Appendix C: Additional Water Quality Data.

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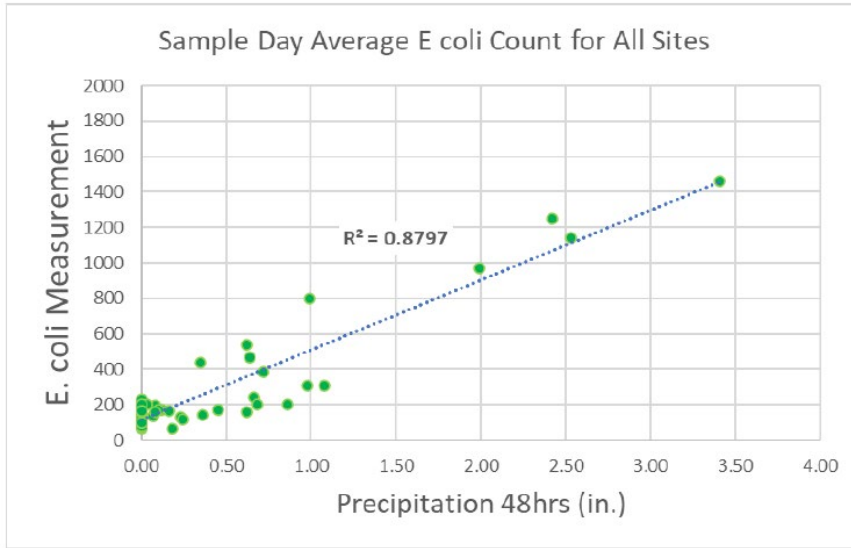


Figure 14. Sample Day Average *E. coli* Count for All Sites.

While *E. coli* levels tend to be higher after a rainstorm, there are certain sample sites on the Souhegan River with high levels of *E. coli* even during dry spells. As seen below in Figure 15, in 2024 every sample site on the Souhegan River exceeded the 88 MPN/100mL threshold on at least one day. On August 6, *E. coli* levels were higher than typical that summer in New Ipswich, Greenville, and Milford. On August 20, *E. coli* levels at the Boston Post Road Canoeport in Amherst exceeded 1,700 MPN/100ML. Levels this high indicate a significant source of contamination.

Routine *E. coli* sampling does not differentiate between human and animal sources. However, there are labs that can analyze the DNA in a sample and determine whether the *E. coli* comes from humans or animals, e.g. septic systems, agricultural uses, or wildlife. DNA sampling should be pursued to help identify the source(s) of this pollution and begin to reduce it.

In recent years, SWA has reduced the number of sites it samples from because it has limited access to analytical laboratories that can analyze the samples. Water samples must be analyzed while they are fresh so quick access to a nearby lab is essential. SWA should be supported in its sampling efforts so it can continue to build upon more than 25 years of data. Regularly sampling multiple sites on the river is essential to monitoring its health and being able to identify and address issues.

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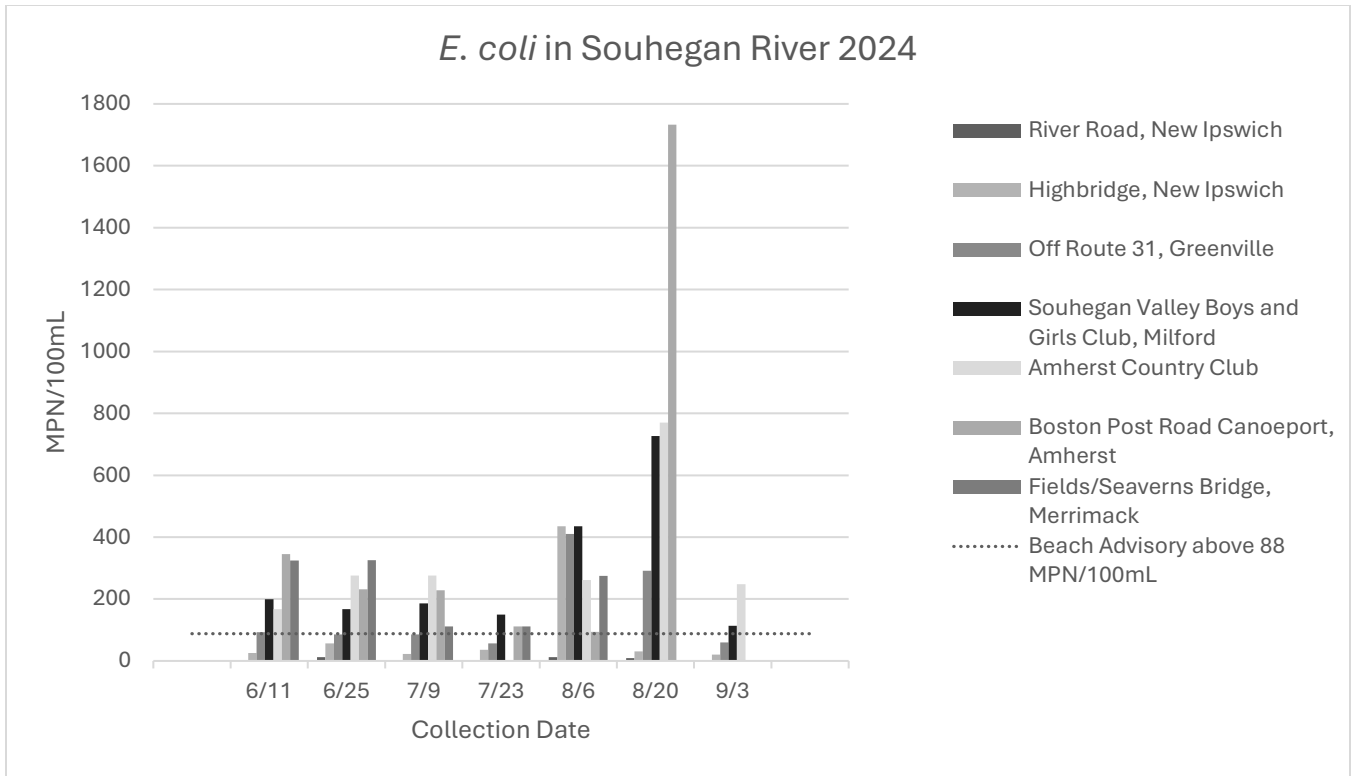


Figure 15. *E. coli* in the Souhegan River 2024.

Nonpoint Sources of Pollution

Point source pollution includes discharges from one identifiable source such as a pipe, which includes permitted industrial uses described above. *Nonpoint* sources of pollution usually have more than one origin and are difficult to assess and regulate. Nonpoint sources include stormwater runoff from agricultural activities, septic systems, and construction sites; erosion; road salting; microplastics; and urban stormwater runoff. Nonpoint sources of pollution are also a serious and recognized threat to the water quality of the Souhegan River. Specific types of nonpoint source pollution in the watershed include:

- Site development and lot conversion.
- Agricultural land use.
- Recreation activities.
- Residential land use.
 - Fuel storage.
 - Wastewater disposal.
 - Lawn care.
 - Driveways.
- Transportation corridors and parking lots.
- Stormwater management.
- Utility rights-of-way.

These sources tend to: increase erosion by disturbing land, increase the amount of nutrients available from fertilizers or wastewater, and/or introduce hazardous substances like petroleum products or microplastics into

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the environment. While limiting how much land gets disturbed and how we use and store our hazardous substances helps to reduce nonpoint source pollution, limiting the amount of stormwater that reaches the river can have a big impact.

Using Stormwater Control Measures (SCM) to slow and retain stormwater so it can soak into the ground where it falls will help limit how much stormwater flows directly into the river and its tributaries and how much pollution it carries with it. The [2025 New Hampshire Stormwater Manual](#) provides specific technical guidance for municipalities, designers, and members of boards, commissions and agencies. The [NH Soak up the Rain program](#) provides guidance for homeowners.

PFAS

As mentioned above, PFAS contamination in the watershed is an emerging issue. In addition to pollution from Saint-Gobain, PFAS have been used in firefighting foam. Water with PFAS is not safe to drink and must be treated to remove the PFAS – owners of private wells must install a PFAS treatment system or connect to a public water supplier. Our understanding of the risks from PFAS to human health and the environment is continuing to evolve and acceptable upper limits are moving downward. Even with cleanup efforts, these “forever chemicals” will be around for a long time in the watershed. NHDES maintains an online dashboard that displays PFAS sampling results throughout the state: [NHDES PFAS Sampling Dashboard](#). NHDES also maintains a [NHDES PFAS Response Website](#).

NHDES 2024 Surface Water Quality Assessment

NHDES conducts water quality monitoring of the Souhegan River. The Federal Clean Water Act (CWA) requires each state to submit two surface water quality documents to the U.S. Environmental Protection Agency (EPA) every two years. The 305(b) Report and 303(d) List describe surface waters that have been identified as impaired or threatened because one of its parameters is out of balance. NHDES has classified the Souhegan River as threatened and in need of restoration. The 2024 Surface Water Quality Assessments include beaches, lakes, impoundments, estuaries, areas of the ocean, and sections of rivers. Table 9 below lists waterbodies in the Souhegan River Watershed that have been identified as threatened or impaired for specific uses: Aquatic Life, Fish Consumption, and/or Primary Contact Recreation (PCR). It also lists what parameter is too low or too high.

Table 9. NHDES 2024 Surface Water Quality Assessments

| Waterbody / Assessment Unit | Town (Primary Town First) | Designated Use | Parameter Name |
|--------------------------------------|---------------------------|-------------------|--|
| Pratt Pond Brook | New Ipswich | Aquatic Life | pH |
| Stark Brook | New Ipswich | Aquatic Life | Benthic-Macroinvertebrate Bioassessments, DO, pH |
| Souhegan River - West Souhegan River | New Ipswich | Aquatic Life | DO |
| Souhegan River - Furnace Brook | New Ipswich | Aquatic Life, PCR | pH, E. coli |
| Tobey Reservoir | Temple | Aquatic Life | pH |
| Unnamed Trib. to Souhegan River | Greenville, New Ipswich | Aquatic Life | DO, Iron, pH |

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| Waterbody / Assessment Unit | Town (Primary Town First) | Designated Use | Parameter Name |
|--|---------------------------------|--------------------------------|--|
| Souhegan River - Tucker Brook | Wilton, Greenville, New Ipswich | Aquatic Life | Aluminum, Benthic-Macroinvertebrate Bioassessments, Iron, Lead, pH |
| Souhegan River - Stony Brook | Wilton | PCR | E. coli |
| Purgatory Brook | Mont Vernon, Lyndeborough | Aquatic Life | pH |
| Hortons Pond | Mont Vernon | Aquatic Life | pH |
| Souhegan River - Goldman Dam | Milford | Aquatic Life, Fish Consumption | DO, PCBS |
| Great Brook - Ox Brook | Milford | Aquatic Life | DO, pH |
| Souhegan River | Milford | Fish Consumption, PCR | PCBS, E. coli |
| Honey Pot Pond | Amherst | Aquatic Life, PCR | pH, Chlorophyll-a |
| Unnamed Brook Between Little Baboosic Lake and Washer Cove Baboosic Lake | Amherst | Aquatic Life | pH |
| Baboosic Lake - Young Judaea Beach | Amherst | PCR | Cyanobacteria |
| Baboosic Lake - Town Beach | Amherst | PCR | E. coli, Cyanobacteria |
| Baboosic Lake | Amherst, Merrimack | Aquatic Life | pH |
| McQuade Brook | Bedford, Goffstown | Aquatic Life, PCR | Chloride, E. coli |
| Baboosic Brook - McQuade Brook | Bedford, Merrimack | Aquatic Life | Benthic-Macroinvertebrate Bioassessments, DO, pH |
| Riddle Brook | Bedford, Goffstown | Aquatic | DO, pH |
| Baboosic Brook - Riddle Brook | Merrimack, Bedford | Aquatic Life | Benthic-Macroinvertebrate and Fishes Bioassessments, DO |
| Souhegan River | Merrimack, Amherst | Aquatic Life, PCR | Aluminum, DO, pH, E. coli |
| Muskrell Brook - to Souhegan River | Merrimack, Amherst | Aquatic Life | Dissolved Oxygen, pH |

Source: NHDES Watershed Report Cards built from the 2024, 305(b)/303(d).

Aquatic Connectivity

One major barrier that prevents aquatic animals from moving up and downstream in the watershed's tributaries are *perched culverts*, which are pipes that cross under roads and are elevated above the surface of the downstream water. A photo of a perched culvert in Milford is shown in Figure 16 below. Wildlife may be able to travel downstream and freefall with the water, but most fish cannot jump high enough to follow the stream upriver into the culvert. The [New Hampshire Stream Crossing Initiative](#), a collaboration among multiple state agencies, collects information about bridges and culverts throughout the state. It maintains an [Aquatic Restoration Mapper](#) which shows information about stream crossings related to aquatic restoration, infrastructure safety, and flood resiliency.



Figure 16. Perched Culvert in Milford.
Credit: Stream Crossing Initiative, 2021.

Locations of perched culverts in the watershed are shown in Map 12. Stream Crossings in the Souhegan River Watershed. Approximately 23 culverts that are at least two feet above the downstream water, a major impediment to aquatic wildlife, have been identified in the watershed. These should be prioritized for replacement to improve aquatic connectivity.

Dams may also prevent aquatic wildlife from freely moving up and down river. Map 7. Dams in the Souhegan River Watershed show locations of dams along the river and its tributaries. The Merrimack Village Dam was removed in 2008 after careful study. As mentioned above, the McLane and Goldman dams in Milford are being studied for potential removal.

Development

Land continues to be developed in the watershed, transitioning from woodland to residential, commercial, or industrial uses. A housing shortage and record housing prices have been putting pressure on building more single family and multifamily housing. Map 13. Land Cover Change in the Souhegan River Watershed shows that between 2001 and 2019 land in the eastern part of the watershed, especially Milford, Amherst, Merrimack, and Bedford, experienced an “urban change.” The purple areas on the map show where a previously undeveloped

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area has now been developed. This is less common in the western part of the watershed, where the primary land cover change was land transitioning from one type of forest to another.

In order to protect water quality in the watershed, it is important to conserve land that is near surface waters to provide a buffer from development and its accompanying stormwater runoff.

Legal Protections

There are federal, state, and local regulatory controls that are an important part of protecting the long-term health of the river.

EPA Stormwater Regulations

Six of the watershed communities, Amherst, Bedford, Goffstown, Merrimack, Milford, Wilton, are subject to federal Municipal Separate Storm Sewer System (MS4) regulations. These communities must each develop a Stormwater Management Program that includes the following six focus areas:

- Public Education and Outreach.
- Construction Site Erosion Control.
- Public Participation and Involvement.
- Post Construction Stormwater Management.
- Illicit Discharge Detection and Elimination.
- Pollution Prevention and Good Housekeeping.

The MS4 permitting process as required by the federal government has brought a major focus to proper stormwater management; as a result, the affected corridor communities are more closely scrutinizing management practices on new developments and implementing more low impact development practices.

Rivers Management and Protection Act

The Souhegan River is a designated river under the Rivers Management and Protection Act of 1988 (RSA 483). Segments of the Souhegan are classified as rural, rural-community, and community, which means the Act provides restrictions or conditions on the construction of new dams, channel alterations, new hydroelectric facilities, interbasin transfers of water, landfills, new solid waste facilities, sludge and septage, and the use of limestone and fertilizer. Exact restrictions or conditions differ by the river's classification in that section, and can be found in the [NHDES Environmental Fact Sheet Protective Measures for Designated Rivers](#).

It also requires the establishment of a protected instream flow to maintain water for public uses including water quality, fisheries, recreation, and scenic values. This Act allows SoRLAC to comment on all state permit applications for projects within a quarter mile buffer of the designated river corridor. SoRLAC may apply for and accept gifts, grants, and donations of money, and may expend the funds to carry out their duties pursuant to RSA 483:8-a. Any state-owned property adjacent or providing access to the river may be disposed of by the state except after review and recommendation of the advisory committee.

Sections of the Souhegan River are classified as follows ([RSA 483:15 XIII](#)):

- A. As a rural-community river from the confluence of its south and west branches in New Ipswich to a point 0.5 miles above the Otis Dam in Greenville.
- B. As a community river from the point 0.5 miles above the Otis Dam in Greenville to a point 0.5 miles below the Otis Dam.

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- C. As a rural river from the point 0.5 miles below the Otis Dam to the Label Arts Dam located approximately 0.3 miles above the confluence with Stony Brook in Wilton.
- D. As a community river from the Label Arts Dam to the Wilton Road bridge near the Pine Valley Mill in west Milford.
- E. As a rural-community river from the Wilton Road bridge to a point 0.5 miles above the route 13 bridge in Milford.
- F. As a community river from the point 0.5 miles above the route 13 bridge to a point 0.5 miles below the route 13 bridge.
- G. As a rural river from the point 0.5 miles below the route 13 bridge to the Everett Turnpike bridge in Merrimack.
- H. As a community river from the Everett Turnpike Bridge to the confluence with the Merrimack River in Merrimack.

These classifications require that the water quality shall be restored to or maintained at least to the Class B level. Any use that would significantly harm the water quality or other instream public uses shall not be permitted. NHDES is required to review and consider adopted local river corridor management plans prior to issuing any permit under RSA 485-A:13, RSA 485-A:17, or RSA 482-A.

More information on the Rivers Management and Protection Act can be found on the [NHDES Rivers Management and Protection website](#).

SoRLAC has created a checklist of best management practices to utilize when they review projects. The checklist can be found in Appendix B: Project Review Checklist for Best Management Practices.

Shoreland Water Quality Protection Act

The New Hampshire Shoreland Water Quality Protection Act (SWQPA) is designed to protect the fragile and valuable resources next to public surface waters. Public waters include lakes, ponds, and impoundments greater than 10 acres; streams that flow year-round; most designated rivers and their segments; and coastal waters. The SWQPA contains minimum standards for the subdivision, use, and development of shorelands within 250 feet of the shoreline. This *Protected Shoreland* area includes a 150-foot woodland buffer and a 50 foot waterfront buffer, as seen in Figure 17 below. Before constructing buildings or cutting down vegetation near these surface waters, property owners need to apply for a Shoreland Permit from NHDES. Some urban areas are exempt from these requirements, including parts of Milford near the Oval.



Figure 17. NH Protected Shoreland Illustration
Source: NHDES.

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Within the Protected Shoreland, there are limits to what can be built, how far away from the reference line of the water it needs to be, amount of impervious surface (buildings, parking lots, etc.), and whether trees and bushes may be cut down. Fertilizers may not be applied within 25 feet of the reference line. Septic systems must be at least 75 feet away from the reference line but depending on conditions they may be required to be at least 125 feet away. Primary structures must be at least 50 feet from the reference line, while accessory structures must be at least 20 feet from the reference line. Detailed explanations about the Protected Shoreland can be found on the [NHDES Protected Shoreland website](#). Table 10 below lists the major tributaries and other waterbodies in the watershed covered by the SWQPA.

Table 10. Major Tributaries and Other Waterbodies in the Watershed Covered by the SWQPA

| Waterbody | Location |
|-----------------------------|---|
| Pratt Pond | New Ipswich |
| Waterloom Pond | New Ipswich |
| Wheeler Pond | New Ipswich |
| Site 13 | New Ipswich |
| Site 14 (Furnace Brook Dam) | New Ipswich |
| Site 19 (South Branch) | New Ipswich |
| Site 35 | New Ipswich |
| Otis Dam | Greenville |
| Site 12-A | Temple |
| Site 25-B | Temple |
| Site 26 Dam | Temple |
| Heald Pond / Site 15 | Temple/Wilton |
| Site 10-A | Wilton |
| Site 33 | Wilton |
| New Wilton Reservoir | Wilton |
| Stony Brook | Wilton Reservoir to Souhegan River |
| Badger Pond | Lyndeborough |
| Burton Pond | Lyndeborough |
| Site 8 | Lyndeborough |
| Site 28 | Lyndeborough |
| Hortons Pond | Mont Vernon |
| Osgood Pond | Milford |
| Souhegan River Dam | Milford |
| Baboosic Lake | Amherst |
| Baboosic Brook | Riddle Brook in Merrimack to Souhegan River |
| Stump Pond | Amherst/Merrimack |
| Honey Pot Pond | Amherst |
| McQuade Brook II | Bedford |

Alteration of Terrain Program

Alteration of Terrain (AOT) permits are designed to protect New Hampshire surface waters by minimizing soil erosion and controlling stormwater runoff, as required by RSA 485-A:17. As of the publication date of this document, generally an AOT permit is needed before initiating any ground-disturbing activities to a contiguous area 100,000 square feet (2.3 acres) or more in size or 50,000 square feet in size if the location is within 250 feet of a lake, great pond, fourth-order stream, or designated river as defined in RSA 483-B, the Shoreland Water Quality Protection Act. Some general provisions for AOT permits apply:

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- For a single-family subdivision in which the lot development will not be carried out at the same time as roadway construction, (i.e., the roadway and other work within the right-of-way will be completed and stabilized prior to grading the lots), the only item considered in calculation of disturbed area is the roadway. For example, for a 50-foot right-of-way, 2,000 linear feet of roadway would create an area of disturbance of 100,000 square feet, thus requiring a Site Specific permit.
- For other types of developments and earth removal operations, a contiguous earth disturbance of 100,000 square feet including building area, parking, driveways, roadways, utility construction, landscaping and borrow areas would require a Site Specific permit.
- For earth removal operations in existence on the effective date of the regulations, May 4, 1981, the "footprint" of the area of disturbance at that time is considered to be grandfathered, but any contiguous disturbance of 100,000 square feet or more outside that footprint requires a Site Specific permit.
- Projects that result in a discharge of stormwater within one-quarter mile of certain waterbodies (those impaired for phosphorus, impaired for nitrogen, a lake or pond, class A surface water or in the watershed of a surface water that is an outstanding resource water) shall include stormwater runoff treatments that meet specific standards.
- In addition to the above, RSA 483-B, the "Shoreland Water Quality Protection Act," requires that any person intending to conduct an activity within the 250 feet of the protected shoreland resulting in a contiguous disturbed area exceeding 50,000 square feet to first obtain a permit.

More information on Alternation of Terrain Permitting requirements can be found on the [NHDES Land Development website](#).

Watershed Protection Audit Findings

A Watershed Audit can be used to establish the baseline of existing watershed protection strategies. In 2024, watershed audits were administered to knowledgeable municipal staff and/or volunteers in New Ipswich, Greenville, Temple, Lyndeborough, Wilton, Mont Vernon, Milford, Amherst, Bedford, and Merrimack. Each audit measures the extent to which eight watershed protection tools (watershed planning, land conservation, aquatic buffers, better site design, erosion and sediment control, stormwater management, non-stormwater discharges, and watershed stewardship programs) are enacted in the community. The results of these audits, arranged by the watershed protection tools of interest, are detailed in Appendix A: Watershed Audit Summaries at the end of this plan.

- **Tool 1: Watershed planning:** Watershed planning involves the creation of regulatory measures and planning methods that limit impervious cover and redirect development to the most appropriate and least sensitive areas.
- **Tool 2: Land conservation:** Land conservation includes programs to conserve underdeveloped, biologically sensitive, or areas of cultural or historic importance.
- **Tool 3: Buffers:** Vegetative buffers help protect aquatic ecosystems by distancing development from shoreland areas, providing a natural shield from potentially hazardous activities or substances.
- **Tool 4: Better site design:** Better site design includes local ordinances and codes that can reduce impervious cover and redirect runoff through design decisions.
- **Tool 5: Erosion and sediment control:** Erosion and sediment controls include both physical mechanisms and regulatory practices to prevent erosion.
- **Tool 6: Stormwater management:** Stormwater management includes all structural practices that help mitigate the impacts of stormwater runoff into waterbodies.

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- **Tool 7: Control of other discharges:** Controlling site-specific pollutant sources such as sanitary waste and deicing chemicals which can enter surface waters through runoff or direct discharges.
- **Tool 8: Watershed stewardship:** Watershed stewardship programs generally foster human behavior that prevents or reduces pollution over a range of land uses and activities.

Here are some general recommendations based on the results of the ten watershed audits:

- Establish goals for important water resources in master plans.
- Establish land acquisition programs to identify potential important conservation land and purchase it when available.
- Increase wetland buffers to at least 50 feet for structures and establish a no-cut buffer.
- Consider reducing the minimum pavement width for new construction low-volume roads to between 18-22 ft in order to reduce the amount of impervious surface.
- In new open space developments, consolidate open space areas to maintain larger natural areas for wildlife and prevent habitat fragmentation.
- In new open space developments, require a minimum percentage of the open space to remain in a natural condition.
- Create maintenance agreements for structural stormwater control measures.
- Store de-icing compounds inside a structure to prevent runoff.
- Designate low- or no-salt routes near wetlands to prevent chloride contamination.
- Limit fertilizer and pesticide use on public lands.

Even watershed towns that are not near the Souhegan River itself can help protect the river by reducing the amount of runoff and pollution that enters the surface water of the watershed.

5. Goals and Objectives

The major goals, objectives, and action items of the Souhegan River Watershed Management Plan:

1. **Develop a User-Friendly Corridor Management Plan**

Create a straightforward and accessible corridor management plan that can be utilized by local organizations, community representatives, municipalities, and other stakeholders either individually or through collaborative efforts.

- Objective 1: Promote awareness through outreach towards fostering human behavior that prevents or reduces pollution over a range of land uses and activities.

1. **Action Item:** Identify municipal department/committee/board, etc. or other organizations within each town that can best promote the Corridor Management Plan.
2. **Action Item:** Promote adoption of the management plan as part of each watershed community's master plans by visiting each town's relevant committees or boards. Complete by 6-9 months after release of final Corridor Management Plan.
3. **Action Item:** Include an educational component in the plan to enhance awareness and understanding among stakeholders.

2. **Promote Science-Based Decision-Making**

Encourage watershed management decisions based on sound scientific information and best practices.

- Objective 1: Promote additional scientific sampling and evaluation to enhance the understanding of the watershed, considering known and forecasted changes due to climate and land use trends.

4. **Action Item:** Identify ways to support Souhegan Watershed Association in continuation of water quality testing of the Souhegan River by citizen scientists.
5. **Action Item:** Request Natural Resources Conservation Service / Hillsborough Soil and Water Conservation District of Milford to evaluate the Souhegan River for erosional areas and riparian restoration.
6. **Action Item:** Apply for grants to complete bacterial DNA sampling in 2025 or 2026 summer season.

3. **Improve Water Quality**

Enhance water quality in the river to support recreational uses, human health, aquatic life, and other ecosystems services (e.g. wells)

- Objective 1: Support and promote bacterial DNA testing in water samples to assess and monitor microbial contamination levels.

7. **Action Item:** Apply for grants to complete this sampling in 2025 or 2026 summer season.

- Objective 2: Reduce pollution from site development projects. Restore stream functions that have been damaged by erosion and sedimentation.

8. **Action Item:** Request Natural Resources Conservation Service / Hillsborough Soil and Water Conservation District of Milford to evaluate the Souhegan River for erosional areas and riparian restoration.

- Objective 3: Create checklist of Best Management Practices recommendations for better site design

9. **Action Item:** SoRLAC uses the checklist to evaluate projects submitted for permitting.

10. **Action Item:** Promote adoption of the management plan as part of each watershed community's master plans by visiting each town's relevant committees or boards. Complete by 6-9 months after release of final Corridor Management Plan.

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- Objective 4: Identify point source discharges issues to reduce pollutants entering the waterway.
 11. **Action Item:** Investigate if there is publicly available data on violations which is reviewed periodically by SoRLAC.
 12. **Action Item:** Compile data on frequent violators and communicate to appropriate/responsible agencies SoRLAC's recommendations for a response to continued violations.
- Objective 5: Evaluate the cause of catastrophic instream flow events due to inoperable dams.
 13. **Action Item:** Identify which dams are contributing to the catastrophic instream flow events within the next 12 to 18 months.
 14. **Action Item:** Seek financial support to study how to address the inoperable dams by working with other organizations such as New Hampshire Department of Environmental Services and American Rivers within the next 12 to 18 months.

4. **Enhance Habitat Support**

Improve water quality and instream flow in the river to support and preserve aquatic and wildlife habitats.

- Objective 1: Work with Federal and State agency programs (e.g., United States Environmental Protection Agency, Natural Resources Conservation Service, New Hampshire Department of Environmental Services, New Hampshire Fish and Game) to review applicable programs for the Souhegan River.
 15. **Action item:** Apply for funds or support for projects annually for activities to support water quality and in-stream flow.

Promote and support the conservation of undeveloped and sensitive land within the watershed to limit impervious cover and mitigate the effects of urbanization.

- Objective 1: Support local / regional open space protection and acquisition efforts with an emphasis on Souhegan River floodplain and riparian areas.
 16. **Action Item:** Report monthly at SoRLAC meetings each Town's efforts to acquire and preserve floodplain and riparian areas.
 17. **Action Item:** Identify known regional land conservancy efforts and request annual updates for known efforts.

Support preservation or restoration of critical areas including wetlands, shoreland, floodplains, steep and erosional slopes.

- Objective 1: Identify Town gaps or opportunities for upgrading policy to help protect and restore critical areas.
 18. **Action Item:** Review Town watershed audits in 2025 for actionable activities and opportunities to strengthen local protections.
 19. **Action Item:** Provide examples of best-practice ordinance upgrades directly to relevant board or commission in each Town.
- Objective 2: Identify best practices for SoRLAC reviews of projects.
 20. **Action Item:** Develop materials for training SoRLAC members and for project evaluations in 2025.

5. **Manage the River for Aesthetic and Accessible Qualities**

Manage the river to be aesthetically pleasing and easily accessible for the community.

- Objective 1: Identify, improve and increase public access to the river from trails, canoe launches, or fishing locations.

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21. **Action Item:** Identify public access location and the status of the location.

22. **Action Item:** Promote access improvements with Towns (e.g. river cleanup, walkways, launches, etc.).

- Objective 2: Add criteria for project evaluation that include aesthetic considerations.

23. **Action Item:** Create a project evaluation form for SoRLAC members in 2025.

6. **Historic, Diverse, and Mixed-Use River**

Evaluate and decide on the inclusion or exclusion of a diversity of uses or a mixed-use approach for the river.

- Objective 1: Acknowledge the complexity of uses on the Souhegan River.

24. **Action Item:** During regular reviews of projects submitted to SoRLAC include consideration for the balance of uses (e.g. habitat, in-stream flows, recreation, infrastructure safety, historic resources, etc.).

- Objective 2: Expand the consideration of historical/cultural resources in the River Watershed Management Plan.

25. **Action Item:** Identify gaps in the inventory of known resources identified in EMMIT+ and those known by the Committee and other local stakeholders.

26. **Action Item:** Develop strategies to help protect and preserve resources from the threats of erosion and development.

7. **Stormwater Management to Reduce Pollution**

Reduce pollution by managing watershed stormwater drainage to mitigate the impact of non-point source pollution.

- Objective 1: Recommend best practices to minimize the impact from industrial, commercial, agricultural, and residential development along the main stem of Souhegan River, wetlands, and tributaries.

27. **Action Item:** Review Town watershed audits for best practices for stormwater management in 2025.

28. **Action Item:** Provide examples of best-practice ordinance upgrades directly to relevant board or commission in each Town.

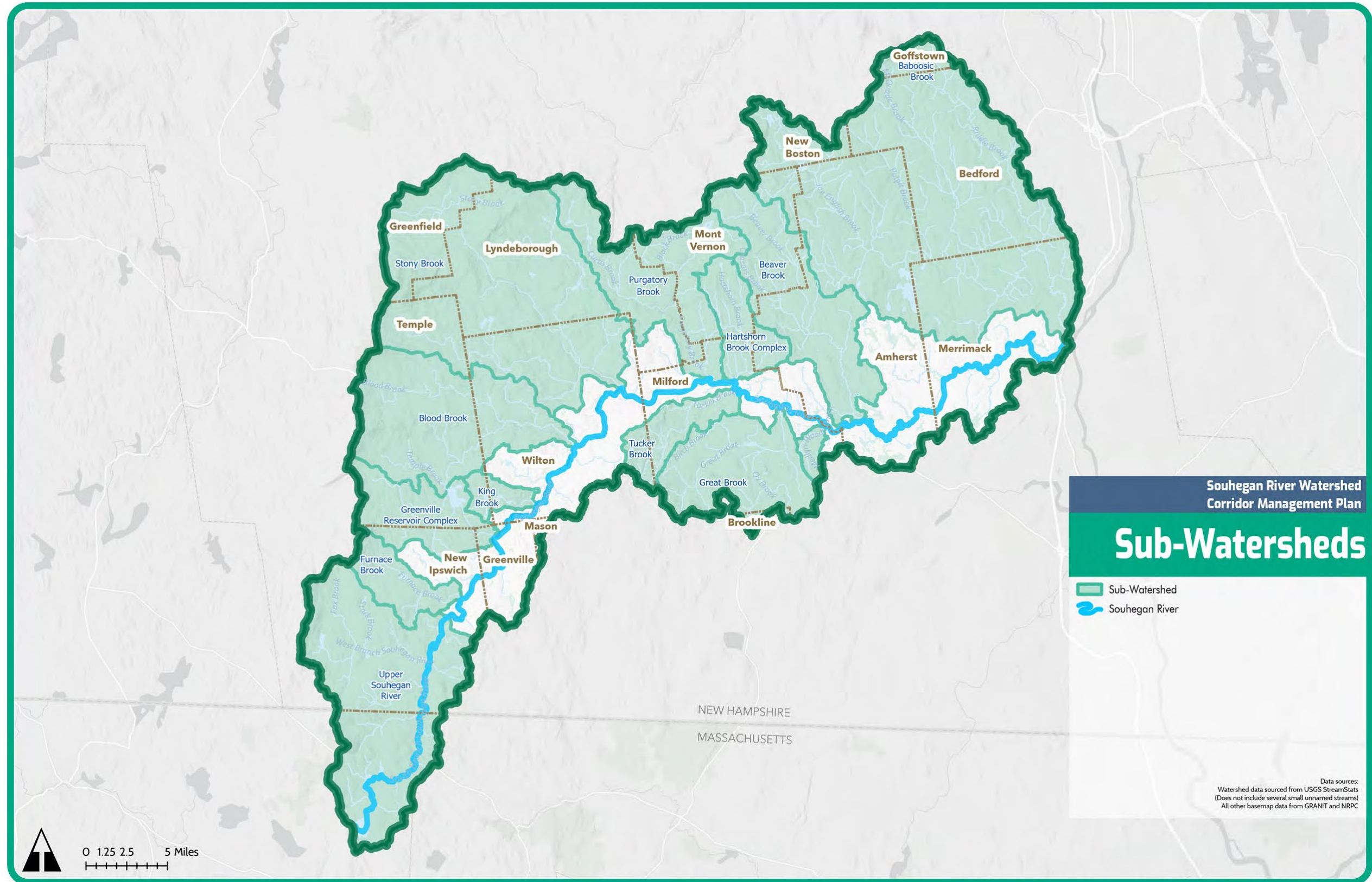
Souhegan River Corridor Management Plan

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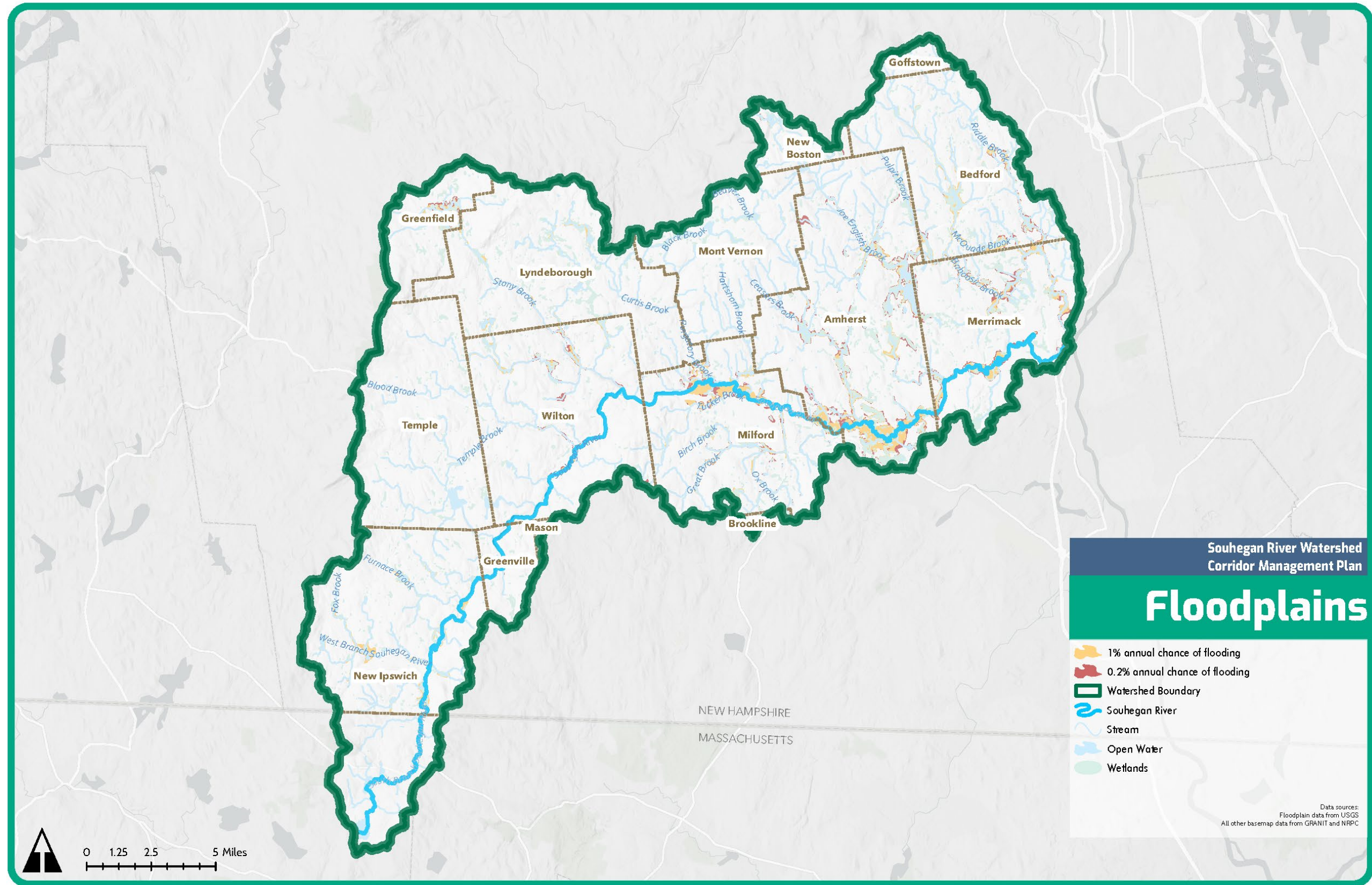
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Maps

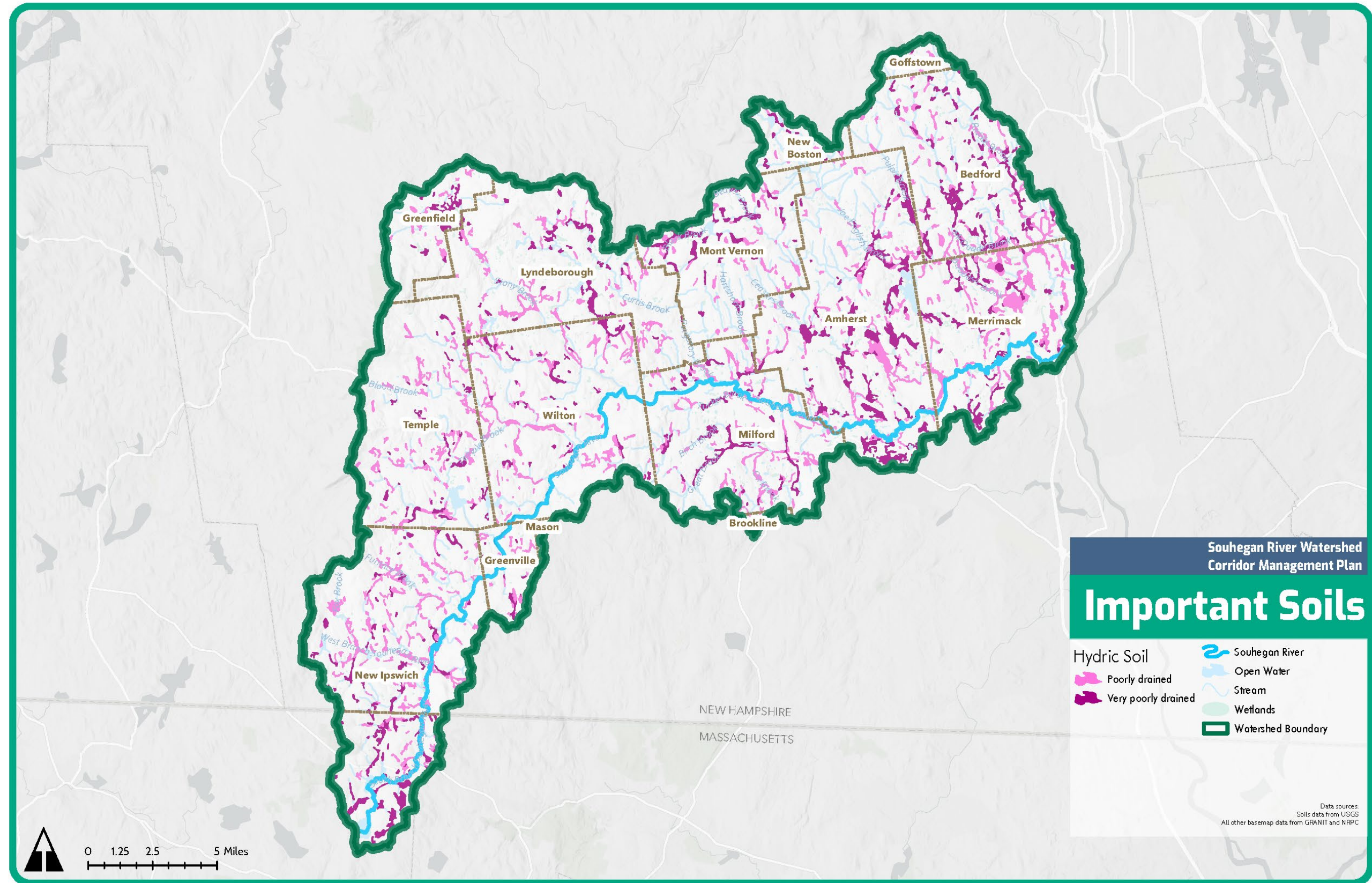
Map 2. Sub watersheds of the Souhegan River.



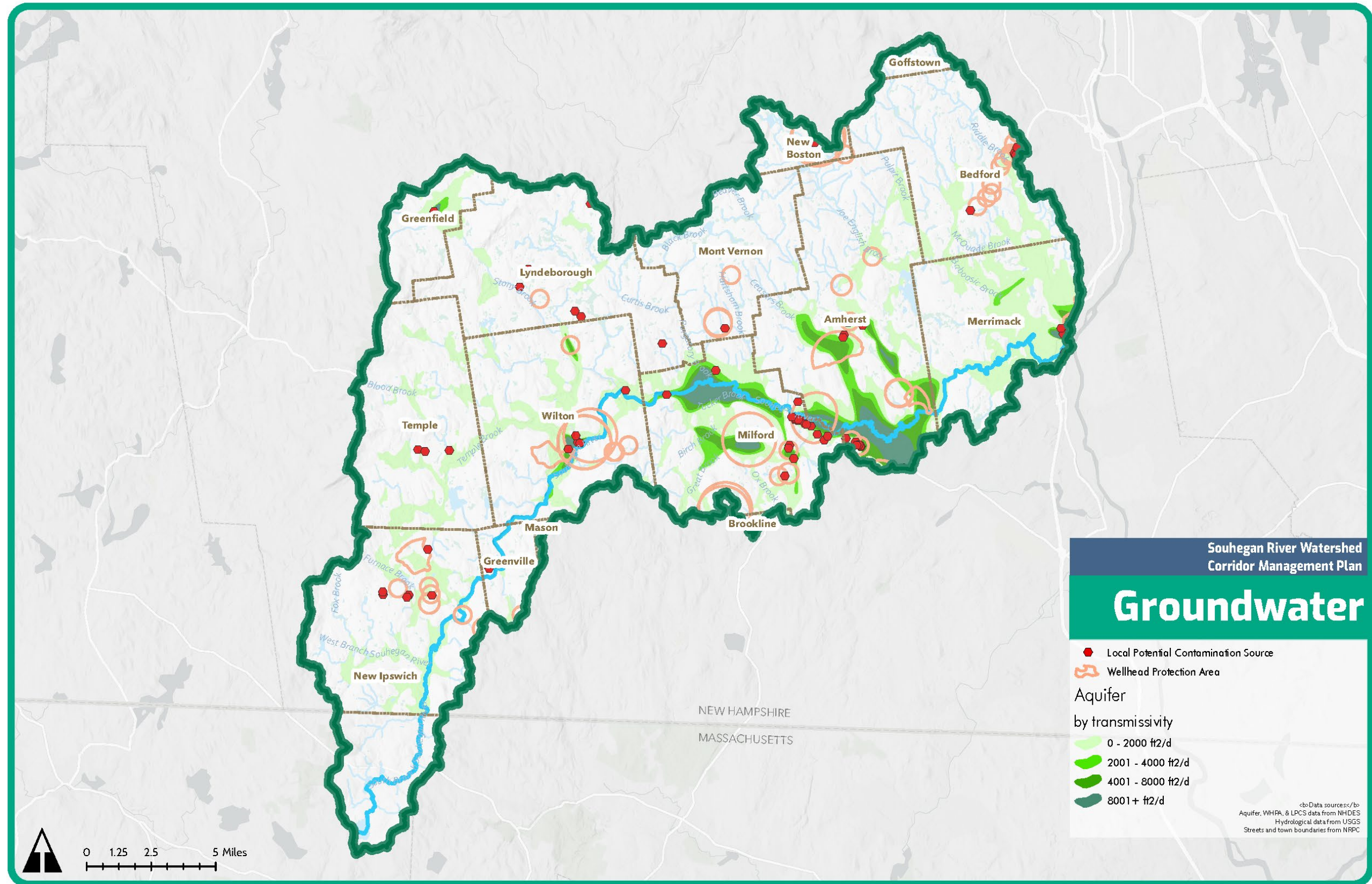
Map 3. Floodplains of the Souhegan River Watershed.



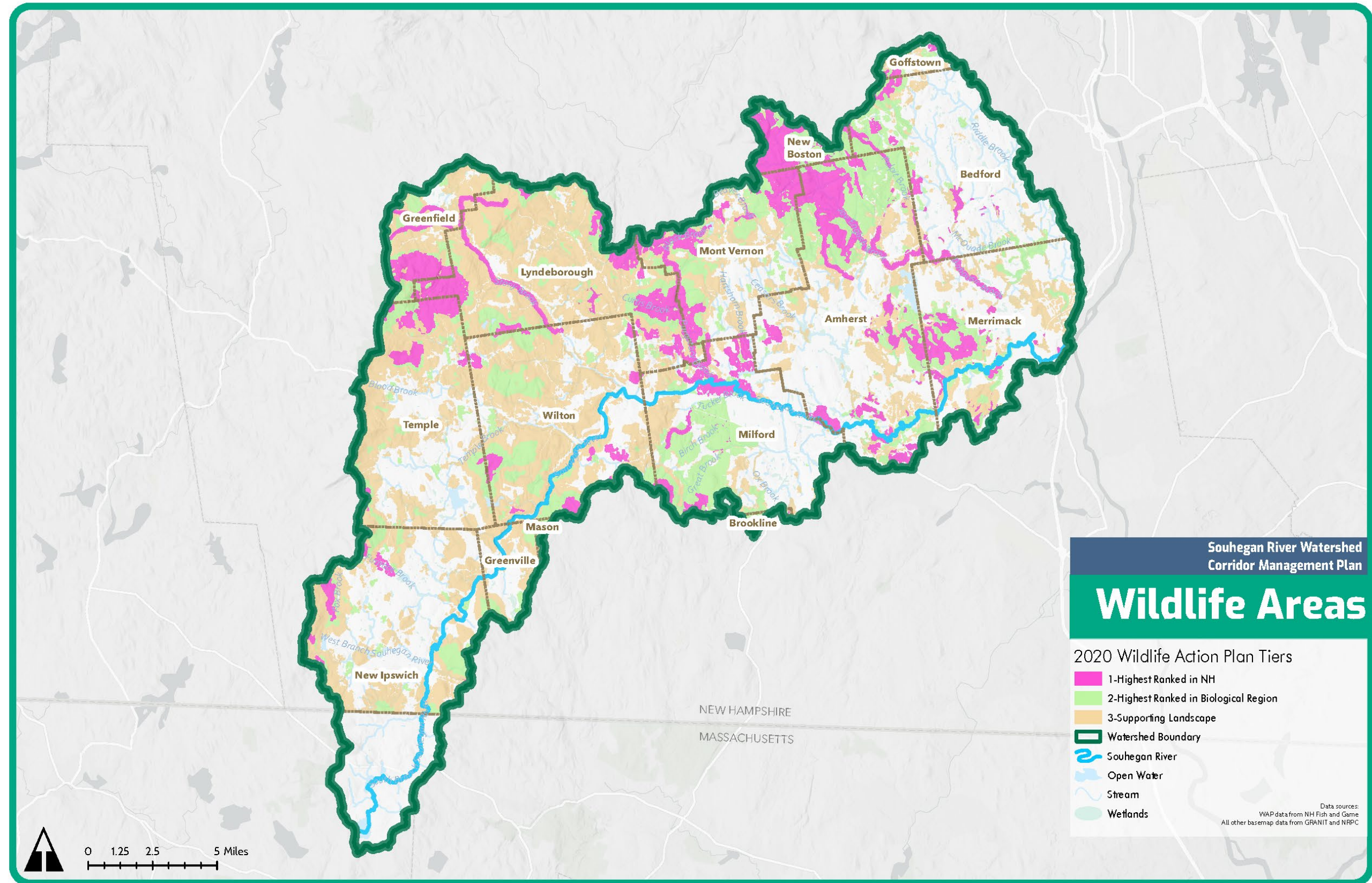
Map 4. Important Soils of the Souhegan River Watershed.



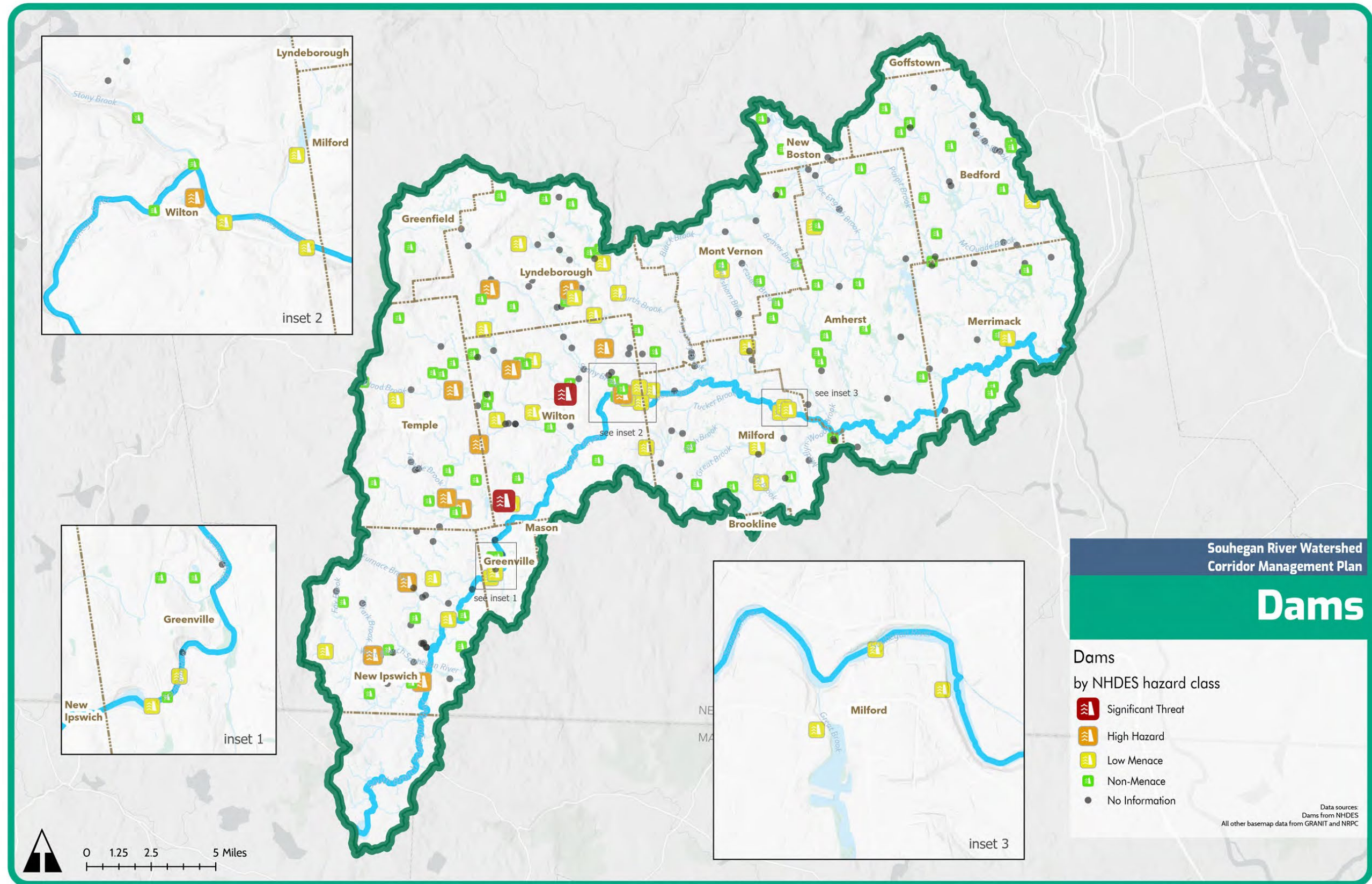
Map 5. Groundwater in the Souhegan River Watershed.



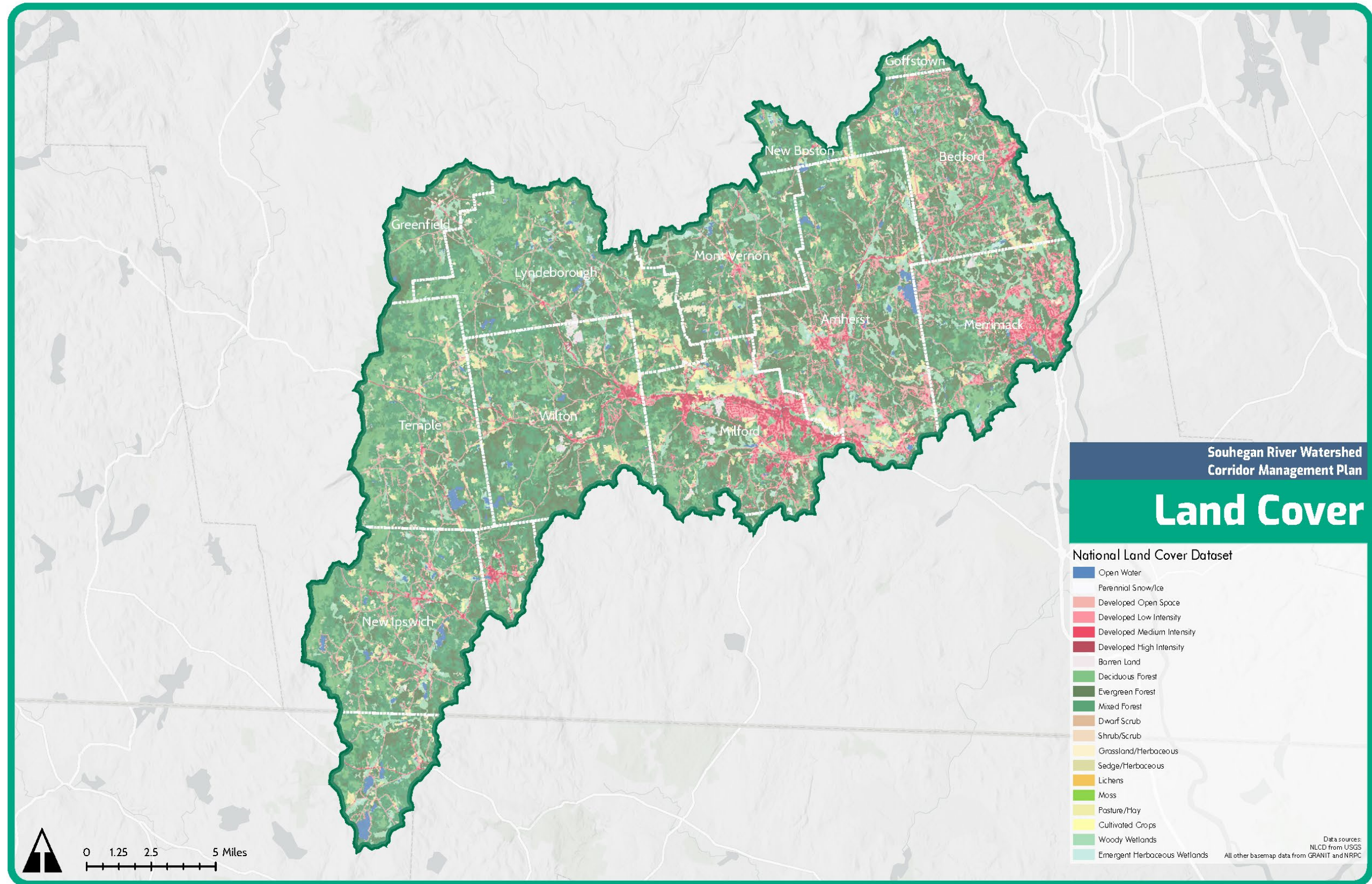
Map 6. Wildlife Areas in the Souhegan River Watershed.



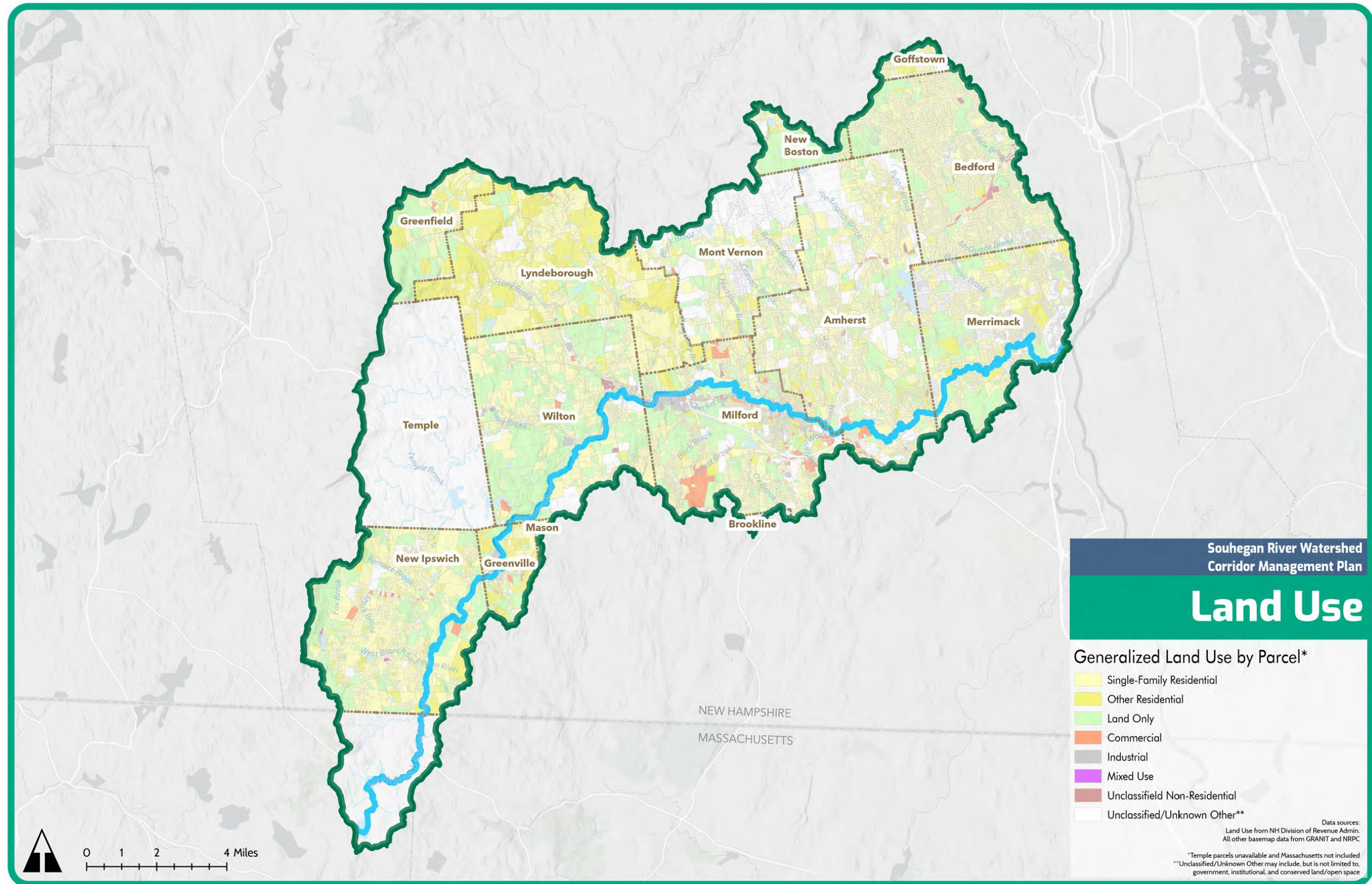
Map 7. Dams in the Souhegan River Watershed.



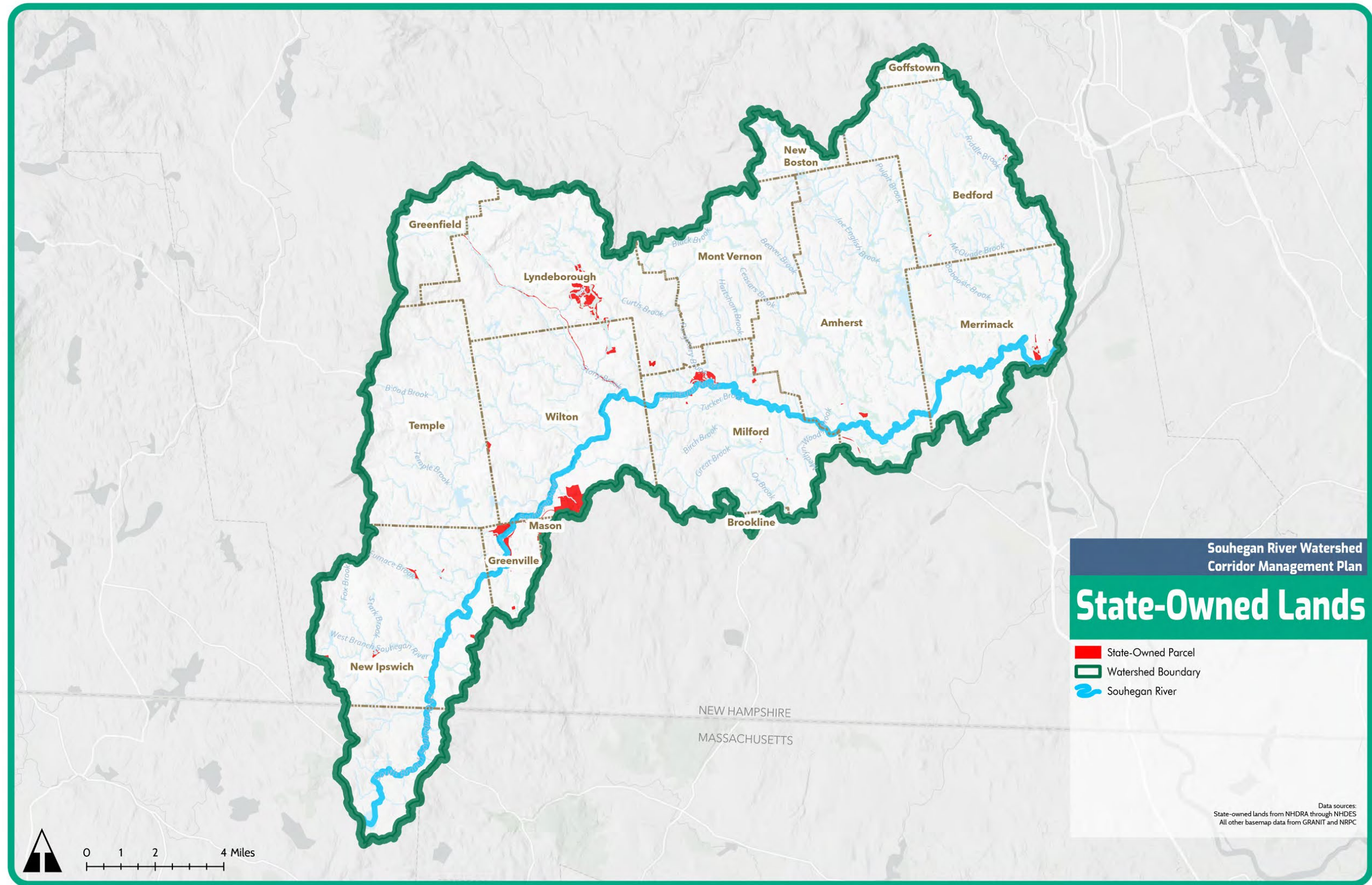
Map 8. Land Cover in the Souhegan River Watershed.



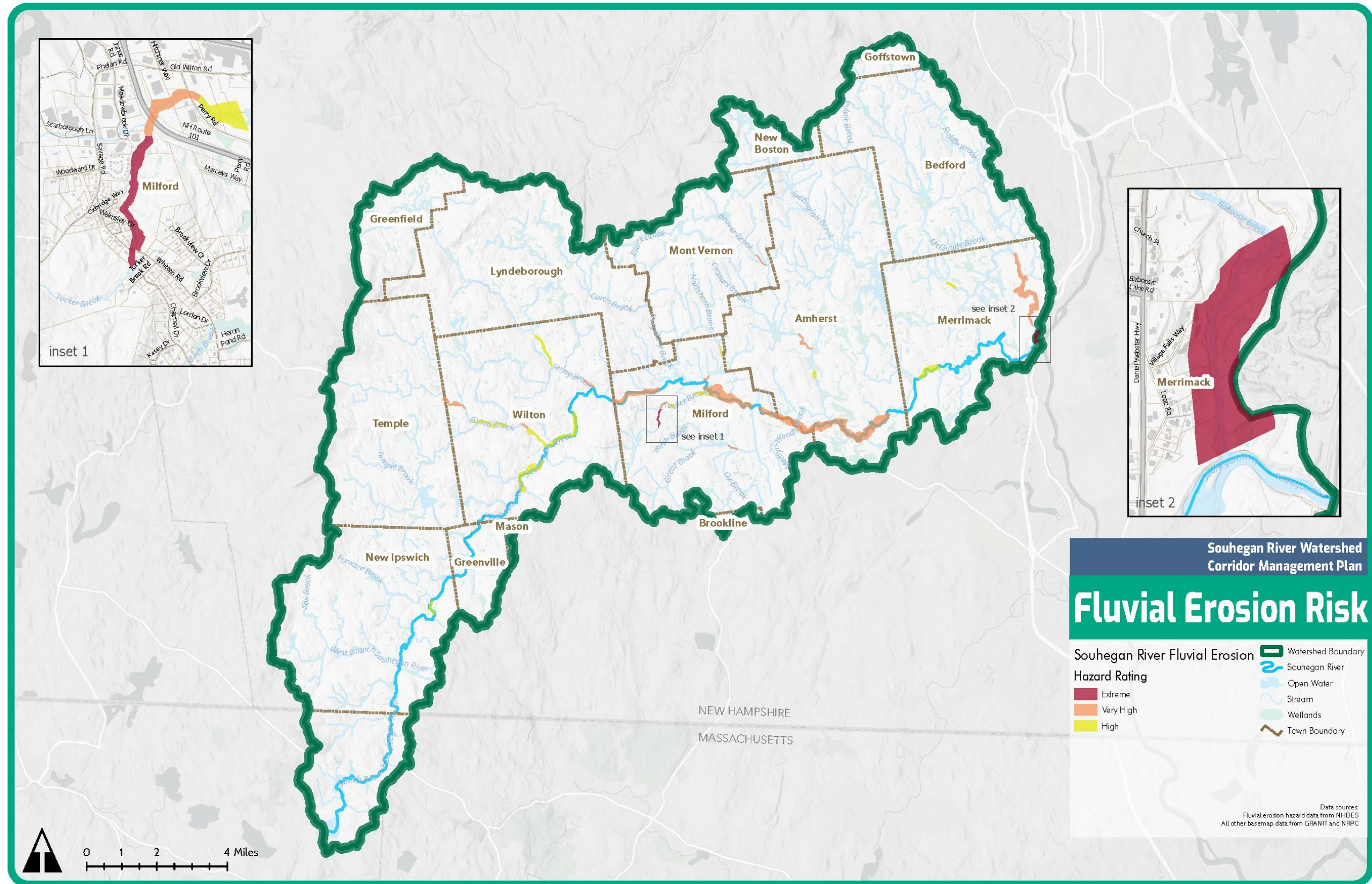
Map 9. Land Use in the Souhegan River Watershed.



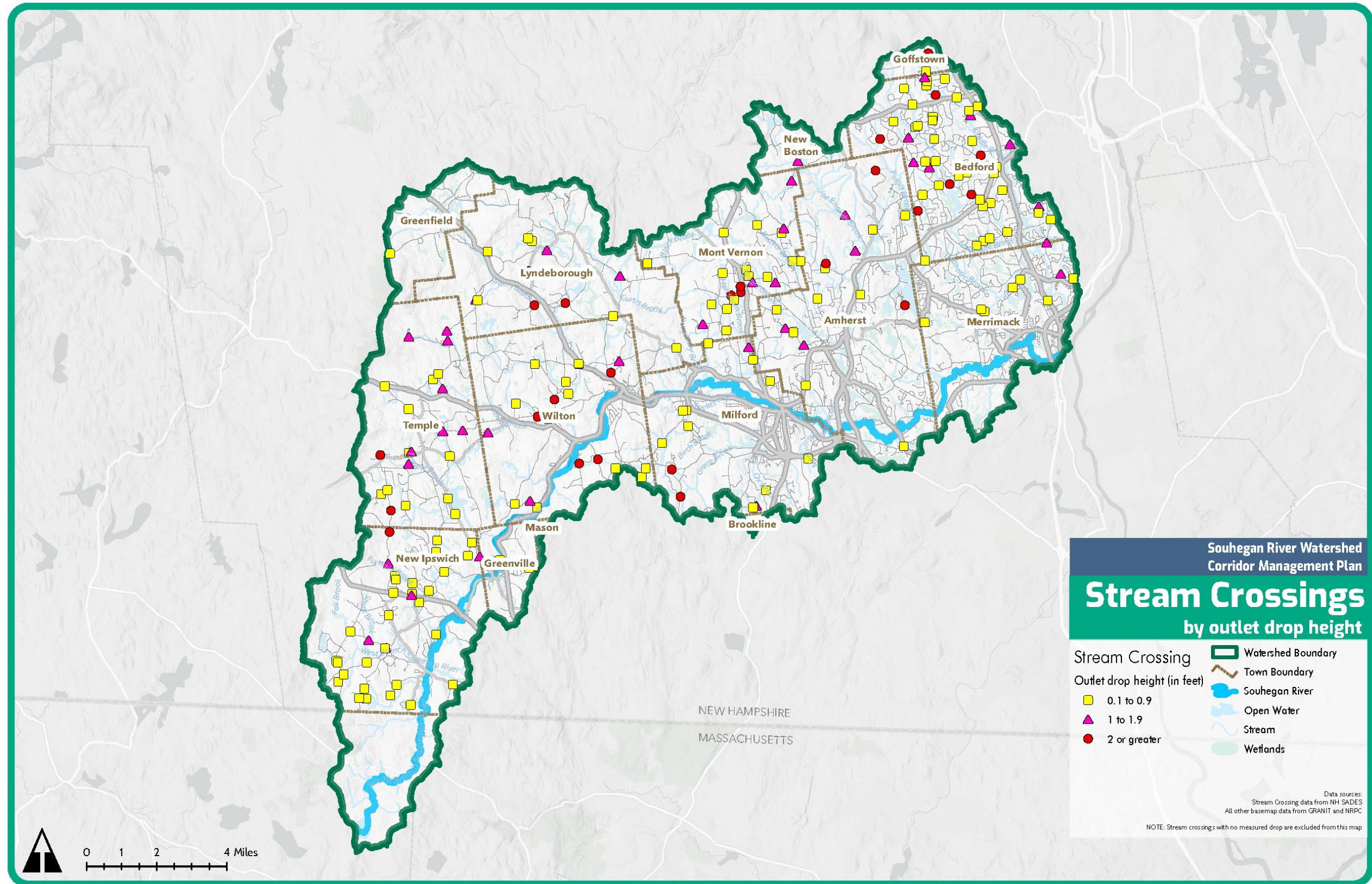
Map 10. State-owned Lands in the Souhegan River Watershed.



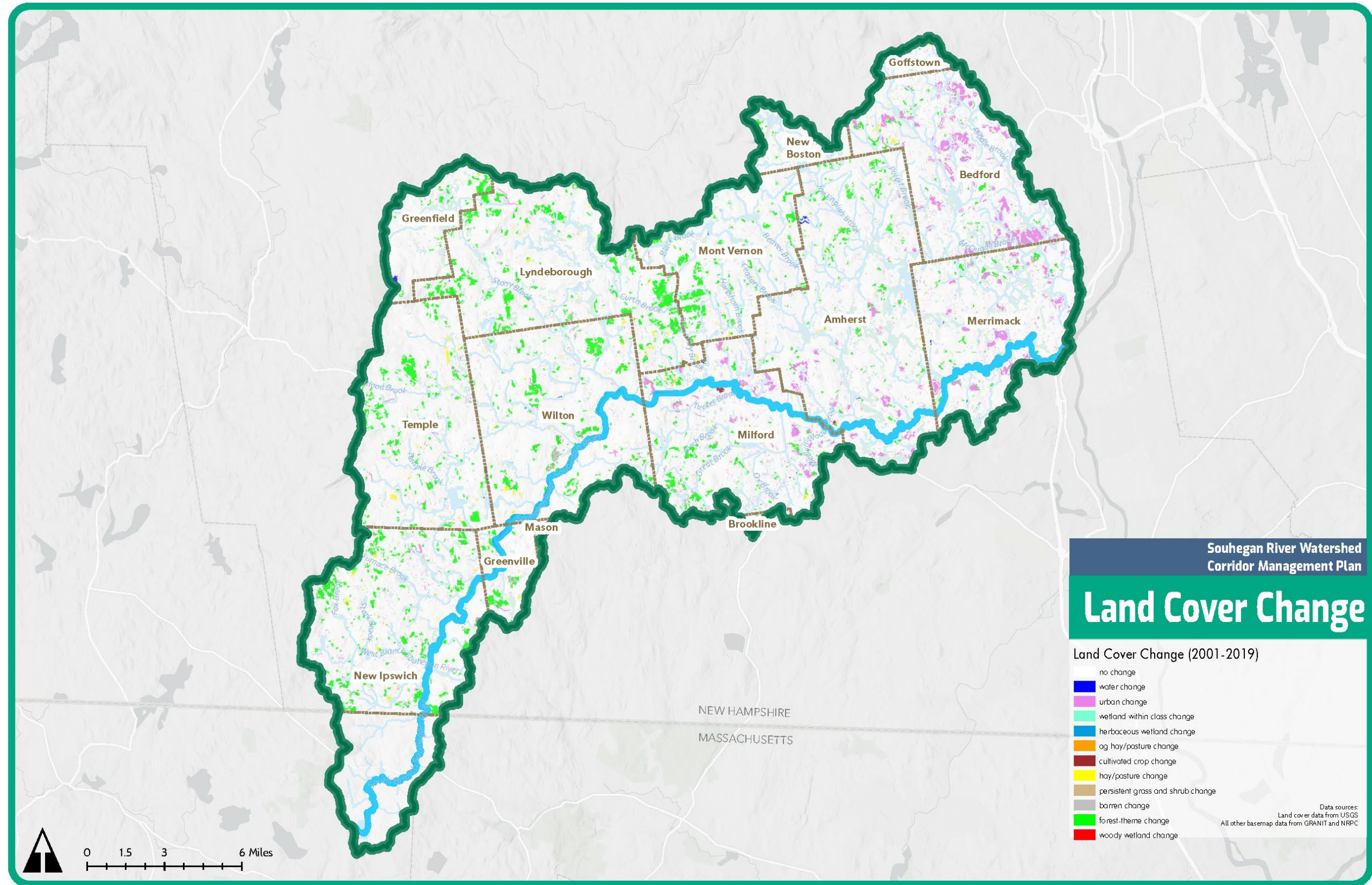
Map 11. Fluvial Erosion Risk in the Souhegan River Watershed.



Map 12. Stream Crossings in the Souhegan River Watershed.



Map 13. Land Cover Change in the Souhegan River Watershed.



Appendices

Appendix A: Watershed Audit Summaries

Table A-1: Watershed Planning

| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|---|-------------|---------------------|-----------|--------------|--------------------------------------|-------------|---------|----------|----------|-------------------|
| Population (2023 OPD Estimates) | 5,357 | 1,996 | 1,390 | 1,754 | 3,921 | 2,661 | 16,576 | 11,957 | 23,784 | 28,971 |
| Square Miles | 33.1 | 6.9 | 22.5 | 30.5 | 25.7 | 16.8 | 25.5 | 34.4 | 33.1 | 33.4 |
| Most recent master plan | Rolling | 2017 | 2019 | 2002 | Rolling | 2022 | 2016 | 2023 | 2021 | 2013/Amended 2020 |
| How often is master plan updated? | As needed | Rolling - as needed | As needed | As needed | Rolling, 8-10 yr cycle | As needed | Rolling | 10 years | 10 years | 10 years |
| Plan addresses important water resource goals | Yes | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes |
| Conservation easements | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Land acquisition programs | Yes | No | No | No | Yes | Yes | Yes | Yes | Yes | No |
| Transfer of Development Rights (TDR) | No | No | No | No | No | Yes | No | No | Yes | No |
| Limiting infrastructure extension | Yes | No | No | No | Sub-conscious decision not to extend | No | Yes | No | Yes | No |
| Infill/community redevelopment | No | Yes | No | No | Yes | No | No | No | Yes | Yes |

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Table A-2: Land Conservation

| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|---|---|------------------------|--------------------------------------|---|--|--|--------------------------------------|--|---|--|
| NFIP | Yes, based on NH model ordinance | Yes, minimum standards | No | Yes, add. wetlands district | Yes, minimum standards | Yes | Yes, flood plain ordinance 6.03.0 | Yes, minimum standards | Yes, floodplain ordinance | Yes |
| Historic district | Yes | No | Yes | No | No | Yes | No | Yes | Yes | No |
| Heritage commission | Yes | No | No | Yes | Yes | Yes | Yes | Yes | No | Yes |
| Preservation of cultural or historic resources | Other - properties on national registry | No | Yes, within historic district | No | Other - required to be considered | Yes | Other - stone walls and scenic roads | Other - recommends they be considered | Yes | No |
| Preservation of agriculture | Other - proposed Agricultural Clusters | Yes | No | No | Yes | Yes | Yes | Yes | No | No |
| Is there critical habitat for plant or animal species | Yes | Yes | No | Yes | Yes | No | Yes | Yes | Yes | No |
| Preservation of critical habitat | Encouraged | Neither | Neither | Encouraged | Yes, through requiring BMPs | Neither | Yes, wetlands ordinance | Encouraged | Neither | Neither |
| Wetland preservation during development | Yes | Yes | Yes, building setbacks | Yes | Yes | Yes, wetlands overlay district | Yes | Yes | Yes | Yes |
| Steep slope restrictions | Yes - overlay district for slopes >15%, no development >25% | No | Yes - PUD not allowed on slopes >25% | Yes - Rural Lands 2 & 3 | Yes, slopes >10% deemed critical areas", driveway regs also address slopes | Yes, non-buildable areas include slopes >25% and somewhat poorly drained soils with >15% | Yes | Yes | Yes, no building on slopes >25% and not used for buildable area calcs | No |
| Conservation of forest areas | Yes, encouraged | Open space Dev Plan | No | Yes, encouraged w/ Planned Residential Developments | Yes, encouraged | No | Yes, required | Yes, encouraged | Other, non disturbance easement along waterways | Yes, encouraged |
| Local wetland protection overlay zone | Yes, Wetlands and Surface Water Conservation Overlay District | No | Yes, Wetlands Protection | Yes, Wetlands District | Yes, Watershed Protection Overlay District (for watersheds of town's reservoirs) | Yes, Wetlands Overlay District | Yes, Wetland Conservation District | Yes, Wetland and Watershed Conservation District | Yes, Wetland Conservation District | Yes, local Shoreland Protection District |

Table A-3: Aquatic Buffers

| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|----------------------------|---------------------------------------|------------|-------------------------------|------------------------|---|---|--|--|--|-------------------------------|
| Wetland buffers | 25 ft no disturbance, 50 ft buildings | N/A | 50 ft buffer, 75 ft buildings | 50 ft vegetated buffer | 50 ft structures (100 ft Watershed POD) | 25 ft buffers, 50 ft buildings | 25ft / 50ft / 100ft depending on waterbody | 25ft / 50ft / 100ft depending on waterbody | 50 ft structural setback | 25 ft no cut, 40 ft buildings |
| Reforestation requirements | Yes, zoning overlay | No | No | No | No, only those required by NHDES | Yes, cutting limited to 50% of the basal area in 10-year period | No | No, only for violators | No. Working on riparian no-cut ordinance | No |

Souhegan River Corridor Management Plan

Table A-4: Better Site Design

| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|---|----------------------|-------------------------|----------------------|----------------------|---|----------------------|------------------------------|-------------------------------------|--------------------|--------------------|
| Minimum pavement width <500 ADT | 18-22 ft | 23-26 ft | 18-22 ft | 18-22 ft | 18-22 ft, refers to state standards | 18-22 ft | 18-22 ft | 22 - 26 ft | greater than 26 ft | 23-26 ft |
| Parking lanes allowed to be traffic lanes | No | No | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not sure | No | No |
| Minimum ROW for residential street | greater than 45 ft | greater than 45 ft | greater than 45 ft | greater than 45 ft | greater than 45 ft (50 ft) | greater than 45 ft | greater than 45 ft | greater than 45 ft (50 ft) | greater than 45 ft | greater than 45 ft |
| Utilities to be placed under paved sections | Yes | Not specified | Not specified | Not specified | Not specified | No | Not specified | Not specified | Yes | Yes |
| Minimum radius of cul-de-sac | 36 ft to 45 ft | greater than 45 ft | greater than 45 ft | greater than 45 ft | greater than 45 ft (75 ft or 100 ft) | greater than 45 ft | 36 ft to 45 ft | greater than 45 ft (55 ft or 75 ft) | greater than 45 ft | 36 ft to 45 ft |
| Landscaped island allowed within cul-de-sac | Yes | Not specified | Not specified | Not specified | Not specified | Not specified | Yes | Yes | Yes | Yes |
| Hammerhead turn-arounds allowed | Yes | Yes | Not specified | Not specified | Yes | Yes | Yes | Yes | No | Not specified |
| Curb and gutters required for residential streets | No | Yes gutters, No curbs | No | No | No | No | No | No | No | No |
| Minimum parking ratio for office building | approx. 3/1000 SF | 5/1000 SF | "adequate" | Not applicable | 1/employee plus 5/1000 SF | Not applicable | 3/1000 SF | 4/1000 SF | 3.12/1000 SF | 3.3/1000 SF |
| Minimum parking ratio for shopping center | approx. 5/1000 SF | 3.3/1000 SF | "adequate" | Not applicable | 1/employee plus 5/1000 SF | Not applicable | 3.5/1000 SF to 4/1000 SF | 6/1000 SF | 4/1000 SF | 4/1000 SF |
| Minimum parking ratio for single-family home | 2 spaces | 2 spaces | 4 spaces | Not applicable | 2 spaces | Not applicable | 2 spaces | 2 spaces | 2 spaces | generally 2 spaces |
| Shared parking arrangement permitted? | Not specified | Not specified | Not specified | Yes | No | Not specified | Yes | Yes | Yes | Not specified |
| Parking ratios reduced for shared parking? | Not specified | Not specified | Not specified | Not specified | Not applicable | Not applicable | Yes | Not specified | Yes | No |
| Minimum parking stall width | 9 ft | 10 ft | Not specified | 9 ft | 9 ft | Not specified | 9 ft, shopping centers 10 ft | Not specified | 9 ft | 9 ft |
| Minimum parking stall length | 18 ft | 20 ft | Not specified | 18 ft | 18 ft (20 ft parallel) | Not specified | 18 ft | Not specified | 18 ft | 18 ft |
| Percentage of spaces required for compact cars | No | No | No | No | No | No | No | No | No | No |
| Unpaved parking spaces allowed | Yes | Yes | Not specified | Yes | Yes | Not specified | Yes | Not specified | No | No |
| Minimum percentage of parking lot landscaped | No | No, Site plan dependent | No | Yes | Yes | No | Yes | Yes | Yes | Yes |
| Open space/cluster developments allowed | Yes, conditional use | Yes, by right | Yes, conditional use | Yes, conditional use | Yes, by right but subject to Subdivision approval | Yes, conditional use | Yes, by right | Yes, conditional use | Yes, by right | Yes, by right |
| Additional review for open space design | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | No | No |
| Flexible site design for open space options | Yes | Yes | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes |

Souhegan River Corridor Management Plan

| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|--|--------------------------|--|-----------------------------|---------------------------|--|---|-----------------------|----------------------------------|--------------------------------------|-------------------|
| Irregular lot shapes allowed | Yes | No | No | No | Yes | Yes | Yes | Yes | No | Yes |
| Residential district lot size | Village-1: 1 acre | Downtown: 1 acre | Village & Historic: 2 acres | Village: 1 acre | Downtown Res Overlay: 1/3 acre, water, sewer required | District 1: 2 acres | Res A: 15,000 SF | Historic District: 2 acres | General Residential: 0.5 to 1.5 acre | R-4: 40,000 SF |
| Frontage | 200 ft | 35 ft | 250 ft | 150 ft | 100 ft | 200 ft | 100 ft | 200 ft | 100 to 150 ft | 150 ft |
| Setbacks | 30/20/20 | 10/10/10 | 35/35/35 | 35/35/35 | 35/15/15 | 50/30/50 | 30/15/15 | 50/20/20 | 35/25/25 | 30/60/20 |
| Residential district lot size | Village-2: 1 acre | Rural/Ag: 1 acre w/sewer, 2 acres septic | Rural Res & Ag: 3 acres | Light Industrial: 2 acres | Residential: 1/2 acre with water/sewer, 1 acre without | District 2: 5 acres | Res B: 20,000 SF | Residential Rural: 2 acres | Residential & Agriculture: 1.5 acre | R-3: 40,000 SF |
| Frontage | 200 ft | 150 with, 200 without | 300 ft | 250 ft | 100 ft | 300 ft | 150 ft | 200 ft | 150 ft | 150 ft |
| Setbacks | 30/20/20 | 50/30/30 | 35/35/35 | 50/50/50 | 35/15/15 | 50/30/50 | 30/15/15 | 50/25/25 | 35/25/25 | 30/60/20 |
| Residential district lot size | Rural: 2 acres | Res: 1 acre with, 2 acres without | Mountain: 5 acres | Rural Lands One: 2ac | Res/Ag: 2 acres contiguous dry | District 3: Watershed Area: 5 acres | Res R: 2 acres | Northern Transitional: 3.5 acres | n/a | R-2: 80,000 SF |
| Frontage | 200 ft | 150 with, 200 without | 350 ft | 250 ft | 200 ft | 300 ft | 200 ft | 300 ft | n/a | 200 ft |
| Setbacks | 30/20/20 | 30/30/30 | 35/35/35 | 50/50/50 | 35/35/35 | 50/30/50 | 30/15/15 | 50/40/40 | n/a | 50/60/30 |
| Residential district lot size | n/a | n/a | n/a | Rural Lands Two: 5ac | Watershed Overlay: 6 acres dry | District 5: Land Bordering NH RT 13 Overlay | Commercial: 20,000 SF | North Rural: 5 acres | n/a | R-1: 100,000 SF |
| Frontage | n/a | n/a | n/a | 500 ft | 300 ft | 500 ft | 150 ft | 300 ft | n/a | 250 ft |
| Setbacks | n/a | n/a | n/a | 50/50/50 | 200' or 150' depending on waterbody type | 90/30/50 | 30/15/15 | 50/40/40 | n/a | 50/60/30 |
| Overlay districts for increased density | Yes, cluster subdivision | No | Yes, PUD | No | Yes - Downtown Residential Overlay | No | No | No | No | Yes |
| Sidewalks required on at least one side | No | No | No | No | No | No | No | No | No | No |
| Minimum sidewalk width | Not specified | Not specified | Not specified | Not less than 4 ft | Not less than 4 ft | Not specified | Greater than 4 ft | Not applicable | Not applicable | Greater than 4 ft |
| Trails substitute for sidewalks | Not specified | Not specified | Not specified | Not specified | Not applicable | Not applicable | Not specified | Yes | Not applicable | Not applicable |
| Minimum driveway width | Greater than 9 ft | Greater than 9 ft | Greater than 9 ft | Greater than 9 ft | Greater than 9 ft | Greater than 9 ft | Greater than 9 ft | Greater than 9 ft (10 ft) | Greater than 9 ft | Not specified |
| Pervious materials for single-family driveways | Yes | Not specified | Yes | Not specified | Yes | Yes | Not specified | Not specified | Not specified | Yes |
| Two-track design for single-family driveways | Not specified | Not specified | Not specified | Not specified | Yes | Not specified | Not specified | Yes - state standards | Not specified | Not specified |
| Shared driveways permitted | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Open space areas required to be consolidated | Yes | Yes | Not specified | No | No | Yes | Yes | No | No | Yes |
| Minimum % of open space natural condition | Yes | Yes | Yes | Yes | No | Not specified | Yes | Yes | Yes | No |
| Allowable uses for open space defined | Yes | Yes | Yes | Yes | No | Yes | Yes | Yes | No | Yes |

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| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|--|---------------|---------------|---------------|--------------|--------|---------------|---------|---------|---------|-----------|
| Rooftop runoff can be discharged to yard areas | Not specified | Not specified | Not specified | Yes | Yes | Not specified | Yes | Yes | Yes | Yes |

Table A-5: Erosion and Sediment Control

| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|--|-------------------------|------------|-----------------|-----------------|----------------------|-----------------|-----------------|-----------------|-------------------|-------------------|
| Erosion & sediment control req'd during construction | Sites greater than 1 ac | All sites | All sites | All sites | All sites | All sites | All sites | All sites | All sites | All sites |
| Guidance for types of erosion and sediment control | Yes, state docs | Don't know | Yes, state docs | Yes, state docs | Yes, state docs | Yes, state docs | Yes, state docs | Yes, state docs | Yes, own guidance | Yes, own guidance |
| Silt fence | Yes | Yes | No | Yes | Yes | Don't know | Yes | Yes | Yes | Yes |
| Straw bales | Yes | Yes | No | Yes | Yes | Don't know | Yes | Yes | Yes | Yes |
| Construction sequencing | Yes | No | No | No | Yes | Don't know | Yes | Yes | Yes | Yes |
| Construction phasing | No | No | No | Yes | Yes | Don't know | Yes | Yes | No | Yes |
| Preservation of natural vegetation | Yes | No | Yes | Yes | Yes | Don't know | Yes | Yes | Yes | Yes |
| Preservation of stream or wetland buffers | Yes | No | Yes | Yes | Yes | Don't know | Yes | Yes | Yes | Yes |
| Stair-step grading | No | No | No | No | No | Don't know | No | No | No | Yes |
| Temporary seeding and mulching | Yes | Yes | No | No | Yes | Don't know | Yes | Yes | No | Yes |
| Permanent seeding and mulching | Yes | Yes | No | Yes | Yes | Don't know | Yes | Yes | Yes | Yes |
| Dust control | Yes | No | No | Yes | No | Don't know | Yes | Yes | Yes | Yes |
| Erosion blankets and geotextiles | Yes | No | No | Yes | No | Don't know | No | Yes | Yes | Yes |
| Fiber rolls | No | No | No | No | No | Don't know | No | No | Yes | Yes |
| Temporary stream crossings | Yes | No | No | No | Yes | Don't know | Yes | Yes | Yes | Yes |
| Stabilized construction entrance | Yes | No | No | Yes | Yes - logging | Don't know | Yes | Yes | Yes | Yes |
| Exit tire wash | No | No | No | No | No | Don't know | No | No | Yes | Yes |
| Energy dissipation at pipe outlets | Yes | No | No | No | Yes | Don't know | No | Yes | Yes | Yes |
| Check dams in natural or man-made channels | Yes | Yes | No | No | Yes | Don't know | No | Yes | Yes | Yes |
| Sand/gravel bag barrier | No | No | No | Yes | Yes | Don't know | Yes | Yes | Yes | Yes |
| Brush or rock filter | Yes | No | No | No | No | Don't know | Yes | Yes | Yes | Yes |
| Sorm drain inlet protection | Yes | No | No | Yes | Yes | Don't know | No | Yes | Yes | Yes |
| Catch basin inlet filters | Yes | Yes | No | No | Yes | Don't know | No | Yes | Yes | No |
| Sedimentation basins | Yes | Yes | No | No | Yes | Don't know | Yes | Yes | Yes | Yes |
| Sediment traps | Yes | No | No | No | Yes | Don't know | No | Yes | Yes | No |
| Filtration of dewatering operations | No | No | No | No | Yes | Don't know | No | No | Yes | Yes |
| Secondary filtration | Yes | No | No | No | No | Don't know | No | No | Yes | No |

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| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|---|---|----------------------|-----------------------------------|---------------------|--------------------------------------|---------------------|---------------------|---|-------------------------|-------------------------|
| Dikes/berms as conveyance to ESC structures | Yes | No | No | No | No | Don't know | No | No | No | No |
| Pipe slope drains to bypass erodible soils | No | No | No | No | No | Don't know | No | No | No | Yes |
| Stockpile stabilization | Yes | No | No | No | Yes | Don't know | Yes | Yes | Yes | Yes |
| Erosion & sediment control plan req'd in site plan review | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | No |
| Construction sites inspected for compliance | Yes | Don't know | No | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Who conducts inspections | Third Party | Municipal Inspector | Other - Selectmen | Municipal Inspector | Municipal Inspector or 3rd party | Municipal inspector | Municipal inspector | Municipal inspector and 3rd party | Municipal and 3rd party | Municipal and 3rd party |
| How frequently does inspector visit construction site | Monthly, and after rainfall of more than 0.5" | Don't know - depends | Other - as requested by community | Other - as required | Other - triggered by rainfall events | Don't know | Monthly | Not less than once every 7 days. Within 24 hours of a storm of 0.25" or greater | Weekly | Weekly |
| Sponsor erosion and sediment control training for | None of the above | None of the above | None of the above | Inspectors | None of the above | Inspectors | None of the above | None of the above | None of the above | None of the above |

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Table A-6: Stormwater Management Practices

| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|--|---|----------------------|---|--|---|---------------------|---|--|---|--|
| Require stormwater management on new development | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Require stormwater be managed on site | Yes | Yes | No | Yes | Yes | Not specified | Yes | Yes | Yes | Yes |
| Control peak discharge rate | Refers to state document | Don't know | Not specified | Yes - 25 yr storm | Yes -100 yr storm | Not specified | Yes - 2, 10, 25 yr storms | Yes - 2, 10, 25, 50 yr storms | Yes - 25, 50 yr storms | Not applicable |
| Treat stormwater runoff | Refers to state document | Don't know | Not specified | Not specified | Yes, same | Not specified | Yes, for TSS, N, P | Yes | Yes | 25 year, 50 for detention basins |
| Control/reduce total volume of runoff | Refers to state document | Don't know | Not specified | Yes - 25 yr storm | Yes | Not specified | No | Control post-development rate to not exceed pre-development rate | Yes | 25 year, 50 for detention basins |
| Protect downstream channels | Refers to state document | Don't know | Not specified | Not specified | Yes | Not specified | No | Yes | Yes | 25 year, 50 for detention basins |
| Exemptions for these requirements | By design waiver reviewed by PB engineer | None | n/a | n/a | None | n/a | Sites smaller than 1 acre | Waivers by PB | Not sure | Very limited |
| Community provides guidance for types of BMP | Yes, developed own | Yes, developed own | Yes, developed own | Yes, state document | Yes, state document, BMPs and Federal regs | Yes, state document | Yes, state document | Yes, state document | No | Yes, own guidance |
| Top three stormwater practices in community | Check dams, conveyance to ESC, sedimentation basins | Don't know | Swales, detention ponds, sheet flow to greenspace | Catch basins, ditches, piped underground | Infiltration/ detention basins, swales, vegetation/rain gardens | Don't know | Infiltration basins, oil/water separators, storage chambers | Infiltration basins, detention basins, swales | Silt fence, outfall apron, stormwater retention ponds | Treatment swales, detention basins, infiltration |
| Stormwater plan required during site plan review | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Inspect stormwater practices during construction | Yes | Don't know | No | Yes | Yes | Don't know | Yes | Yes | Yes | Yes |
| As-build drawing or stormwater practice required | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes | Don't know | Yes |
| Who is responsible for maintenance | Private owner | Depends on ownership | Private owner | Private owner | Private owner, HOA. Town can perform at owner's expense | Don't know | Depends on purpose and ownership | Private owner or HOA | Private owner | Owner |
| Maintenance agreement | Yes | Don't know | No | No | Yes | Don't know | Yes | Yes | No | Yes |
| Privately maintained systems inspected | No | Don't know | No | Yes | Yes, periodic certification required | Don't know | No | Yes | No | No |
| How frequently are privately owned practices inspected | In response to complaints | Don't know | Never | Other - as needed | 1 or 2 year interval third party review | Don't know | In response to complaints | Routinely at time agreed with landowner | Annually, if town holds easement | Annually |

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| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|--|--|------------|---|--|--|-------------|---------|--|----------------|-----------|
| Penalties for not complying with maintenance | Yes, if in violation of safety or zoning. HOAs self manage otherwise | Don't know | Yes, general penalties for not complying with site plan, subdivision, driveway or zoning regulations. | Yes, code enforcement will issue violation notices and BOS issues cease and desist orders. | Yes, town can do work and bill, Cert of Occupancy can be revoked (never used, but available) | Don't know | No | Injunctive relief, fines and penalties, cease and desist order, pleas by mail for local land use citations | Not applicable | No |

Table A-7: Non-Stormwater Discharges

| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|--|--|---------------------|-------------------------------|--|--|--|-------------------------------------|---------------------|--|--|
| Description of stormwater management system | Drainage ditches, swales, detention basins | Combination | Combination | Drainage ditches, swales, detention basins | Combination | Drainage ditches, swales, detention basins | Combination | Combination | Combination: 70% ditches, 30% storm sewers | Combination: 50% ditches, swales, basins; 50% storm sewers |
| Program for illicit connection detection | No | No | No | No | Yes, in MS4 area | No | Yes | Yes | Yes | Yes |
| Illicit connection detection include removal | not applicable | not applicable | not applicable | not applicable | Yes | not applicable | Yes | Yes | Yes | Yes |
| Regulations for septic system maintenance | No | No | No | No | No | No | No | Yes | No | Yes |
| Inspection of privately owned septic systems | Yes, on installation | No | No | Yes, on installation | No | Yes, on installation | No | No | Yes, on installation | No |
| Regulations for confined animal feeding lots | Yes | No | No | No | Don't know, livestock near water mentioned in Wetlands Overlay Dist. | No | No | Yes | No | No |
| Spill response plan | Yes | Yes | Yes | No | Yes | In development | Yes | Yes | Yes | Don't know |
| Regulate storage of hazardous materials | Yes, >55 gal requires spill response plan | Yes, in ZO | Yes, in ZO | Not specified | Yes, in ZO | In development | Yes | Yes | Yes | Don't know |
| Hazardous substances protection overlay district | No | No | No | No | No | No | No | No | No | No |
| Deicing compounds on public roads: | Sand, road salt, calcium chloride | Sand, road salt | Sand, road salt | Sand, road salt | Sand, road salt | Sand, road salt, calcium chloride | Sand, road salt, magnesium chloride | Sand, road salt | Road salt, 3:1 mix of 50/50 a | Sand, road salt, Calcium Chloride, liquid calcium |
| Storage of deicing compounds | Within structure | Covered, not inside | Open sand, enclosed salt shed | Within structure | Covered, not totally inside | Don't know | Covered, not inside | Covered, not inside | Within structure | Within structure |
| Designated low- or no-salt routes | Yes | No | Yes | No | Yes, dirt roads | Don't know | No | Yes | Yes | Yes |

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Table A-8: Watershed Stewardship Programs

| Mechanism and Activity | New Ipswich | Greenville | Temple | Lyndeborough | Wilton | Mont Vernon | Milford | Amherst | Bedford | Merrimack |
|--------------------------------------|---------------------------|-------------------------------------|----------------|-------------------------------------|--|--------------------|---|--------------------|---------------------------|---|
| Education or outreach programs for: | Yes: municipal volunteers | No | No | Yes: residents, municipal employees | Yes: residents, municipal employees (MS4 driven) | No | Yes: residents, commercial, industrial, municipal employees | Yes: residents | Yes: some MS4 programming | Yes: residents, commercial, industrial, municipal employees |
| Stream stewardship programs | Yes, SWA | Yes | No | No | Yes: SWA, SoRLAC | Yes, NHDES VRAP | Yes, SoRLAC | Yes: SWA, Rec Dept | No | Yes |
| Stream restoration programs | No | No, but should be for Pilgrim Foods | No | No | No | No | Yes, private landowners | No | No | No |
| Restrictions on pet waste management | No | No | No | No | Yes, town ordinance and MS4 | No | No | Yes | Yes | No |
| Sweep public streets | No | Yes | No | No | Yes, in MS4 area | No | Yes | Yes | Yes | Yes |
| How often are streets swept | not applicable | Annual | not applicable | not applicable | Annual - spring/summer | not applicable | Annual - spring to fall | Annual - spring | Annual - all year | Annual |
| Fertilizers used on public lands | No | No | No | Yes | Don't know | No | Yes | Don't know | Yes | Yes |
| Pesticides used on public lands | No | No | No | Yes | Don't know | Yes, for invasives | No | Yes, for invasives | Yes | No |

Appendix B: Project Review Checklist for Best Management Practices

Project Evaluation Checklist - Local Advisory Committee

Scoring System: 1 = Poor, 3 = Acceptable, 5 = Excellent, N/A not applicable

Project Overview: _____

NHDES #: _____

Project Name/Owner: _____

Project Engineer: _____

Location/Town: _____

Date of Application Review: _____

Consistency with River Corridor Management Plan

1. Does the project align with objectives in the local River Corridor Management Plan? **Score:** _____
2. Are there conflicts with recommended land use practices? **Score:** _____

Environmental Impact Assessment

3. Are raingardens or retention systems included for areas that lead directly to or near water bodies without treatment? **Score:** _
4. Potential effects on water quality (e.g., sedimentation, pollution)? **Score:** _____
5. Impact on riparian buffers and wetlands? **Score:** _____
6. Effects on aquatic and terrestrial habitats? **Score:** _____
7. Consideration of floodplain functions and storage capacity? **Score:** _____

Compliance with Local and State Regulations

8. Adherence to Shoreland Water Quality Protection Act requirements? **Score:** _____
9. Conformity with local zoning ordinances and conservation overlays? **Score:** _____

Stormwater Management

10. Is there sufficient erosion control and sediment filtering in place, especially where runoff will be directed to existing outflows? **Yes** _____ **No** _____ **and Score:** _____
11. Adequacy of proposed stormwater management systems? **Score:** _____
12. Use of Low Impact Development (LID) techniques? **Score:** _____
13. Stormwater retention areas perched above the river? **Yes** _____ **No** _____ **and Score:** _____

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Snow Management

14. Does the project include a designated snow storage area? **Yes** _____ **No** _____ and **Score:** _____
15. Green SnowPro or equivalent environmentally friendly de-icing methods? **Yes** _____ **No** _____ and **Score:** _____

Public Access and Recreational Considerations

16. Any impact on existing public access points to the river **Yes** _____ **No** _____ and **Score:** _____
17. Opportunities to enhance or provide new public access **Yes** _____ **No** _____ and **Score:** _____

Cultural and Historical Resources

18. Assessment of potential impacts on cultural or historical sites **Score:** _____

Cumulative Impacts

19. Evaluation of the project as compared to other existing/proposed developments **Score:** _____
20. Consideration of long-term impacts on the river corridor **Score:** _____
21. Proposed actions to avoid, minimize, or compensate for adverse impacts **Score:** _____
22. Plans for ongoing maintenance and monitoring of mitigation efforts **Score:** _____
23. Summary of public/municipal comments or concerns **Score:** _____

Additional Considerations

24. Climate resilience and adaptation measures **Score:** _____
25. Consistency with regional conservation initiatives **Score:** _____

Reviewer's Summary and Recommendations

Overall Score: _____

Specific conditions or modifications recommended for project approval:

Suggestions for monitoring or follow-up actions post-approval:

Appendix C: Additional Water Quality Data

Water Quality Analysis for the Souhegan Watershed: A decade of *E. coli* Trends Measured by Citizen Scientists

An analysis of *E. coli* contamination levels across the Souhegan River watershed that focused on data collected by citizen scientists from the Souhegan Watershed Association (SWA) shows an effect of precipitation on *E. coli* presence. SWA data stretches back to 1998 and is a significant investment by local stakeholders in the health of the Souhegan River and shows a local focus on water quality. Even though data is available from 1998 this analysis was performed from 2012 to 2022 (months of June, July, August and September) limited to the years precipitation data was available, excluding 2020 due to COVID-19. Precipitation was measured in Greenville as a proxy for the watershed. Study includes 62 sampling days and 1,118 *E. coli* samples collected across multiple sites. Only data collected on days with available precipitation records or *E. coli* measurements were used. This study identifies patterns in contamination levels and correlations with precipitation events.

Methods

The Souhegan Watershed Association has its samples evaluated by Municipal Wastewater Treatment Plant (WWTP) Labs in the watershed. These labs monitor the wastewater effluent dumped into the river for some of the same parameters that SWA tracks for the river itself. The following labs have at one time or another performed SWA lab work: Milford, Nashua, Merrimack and Manchester.

The *E. coli* bacteria levels are quantified with the same toolset at all labs. They all use IDEXX Quanti-Tray systems. The human sample process effort takes a few minutes. After 24 hours incubation the system provides bacterial counts within 95% accuracy. The labs then digitally forward the data to SWA. This program is dependent on the labs providing quick-no-cost service.

Key Findings

1. Correlation Between Precipitation and *E. coli* Levels
 - Analysis shows a significant relationship between precipitation events and *E. coli* levels across many sites. This is reflected in mean *E. coli* value measured for each collection day at all the sites (Figure C-1). Many sites showed a positive correlation between precipitation and *E. coli* counts (Figure C-2, Figure C-3, Figure C-4), indicating a moderate to strong link between rainfall and elevated *E. coli* levels.
 - This pattern of higher *E. coli* counts due to rainfall events suggests stormwater runoff is a significant driver of non-point source contamination in the Souhegan River. Following rainfall, runoff likely transports contaminants from various sources such as septic overflows, agricultural areas, impervious surfaces, and disturbed landscapes into the river.

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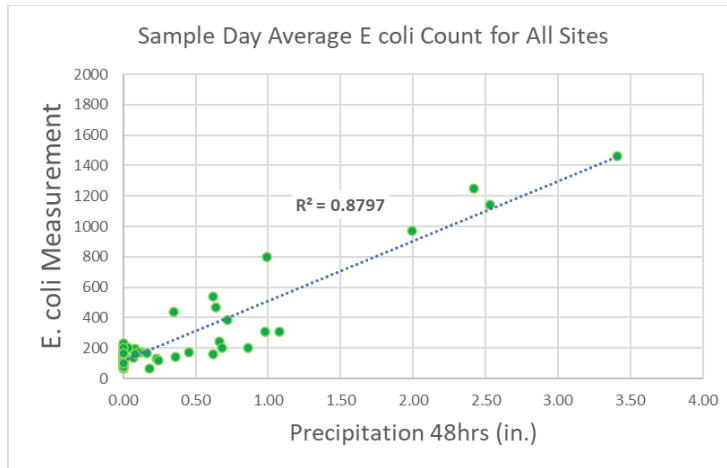


Figure C-1 Average *E. coli* value on day of collection for 20 Souhegan River sites.

2. Site Variability

- Some sites along the river demonstrate unique contamination profiles that are less influenced by precipitation, indicated by their lower R-squared values. This suggests that other local factors, such as direct human activity, proximity to WWTPs, or wildlife, may play a more prominent role in these areas.

Implications for Corridor Management

1. Targeted Stormwater Management

- Based on the strong correlation between rainfall and *E. coli* levels, particularly at sites with high R-squared values, improving stormwater infrastructure near these areas could reduce contamination. Strategies could include septic remediation, controls for agricultural runoff, expanding riparian buffers, and promoting pervious surfaces to reduce runoff velocity and pollutant load.
- High-Risk Sites for Focused Intervention: Sites such as the Boston Post Road Canoeport and Beaver Brook in Amherst, and Watson Park in Merrimack could benefit from targeted investigations including DNA investigation to trace the sources of *E. coli* contamination. These areas have consistently high contamination levels that are exacerbated by rainfall, indicating that localized runoff controls could be effective.

2. Community Involvement and Education

- The engagement of SWA's citizen scientists has been important in gathering this extensive dataset, highlighting the need for public involvement in watershed health monitoring. It is recommended continuing and expanding community outreach to foster greater awareness and encourage best practices to prevent pollution.
- Outreach and engagement could also provide opportunities for public education, with material particularly focused on reducing runoff from residential and recreational areas during storm events.

Recommendations

1. Enhance Stormwater Management Measures

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- Expand the use of green infrastructure at high-risk sites to mitigate contamination from runoff. For example, rain gardens and extended vegetated buffers could help intercept and filter pollutants before they reach the river.
 - Investigate the feasibility of low-impact development practices for new or ongoing developments within the watershed to minimize impervious surfaces and reduce runoff-related contamination.
2. Continue Long-Term Monitoring and Expand Predictive Modeling
- Long-term monitoring should continue with support from citizen scientists. Additional variables, such as flow rate or land use changes, could improve predictive accuracy.
 - The Negative Binomial model has shown to be a useful predictive tool for understanding contamination drivers. Estimates of rainfall could yield expected *E. coli* increases. Further model refinement, possibly incorporating other seasonal effects such as temperature and localized factors such as land use or contamination zones, could better inform management strategies and public health.

Conclusion

This citizen-scientist data-driven assessment underscores the importance of targeted watershed management interventions to address *E. coli* contamination, particularly during rainfall events. By implementing stormwater controls, continuing community-driven monitoring, and prioritizing high-risk sites, water quality in the Souhegan River can be better protected, supporting both environmental health and safe public enjoyment. Additionally, the data collected by SWA citizen scientists serves as a powerful foundation for these efforts and reflects the value of community involvement in preserving the Souhegan River's water quality.

Souhegan River Corridor Management Plan

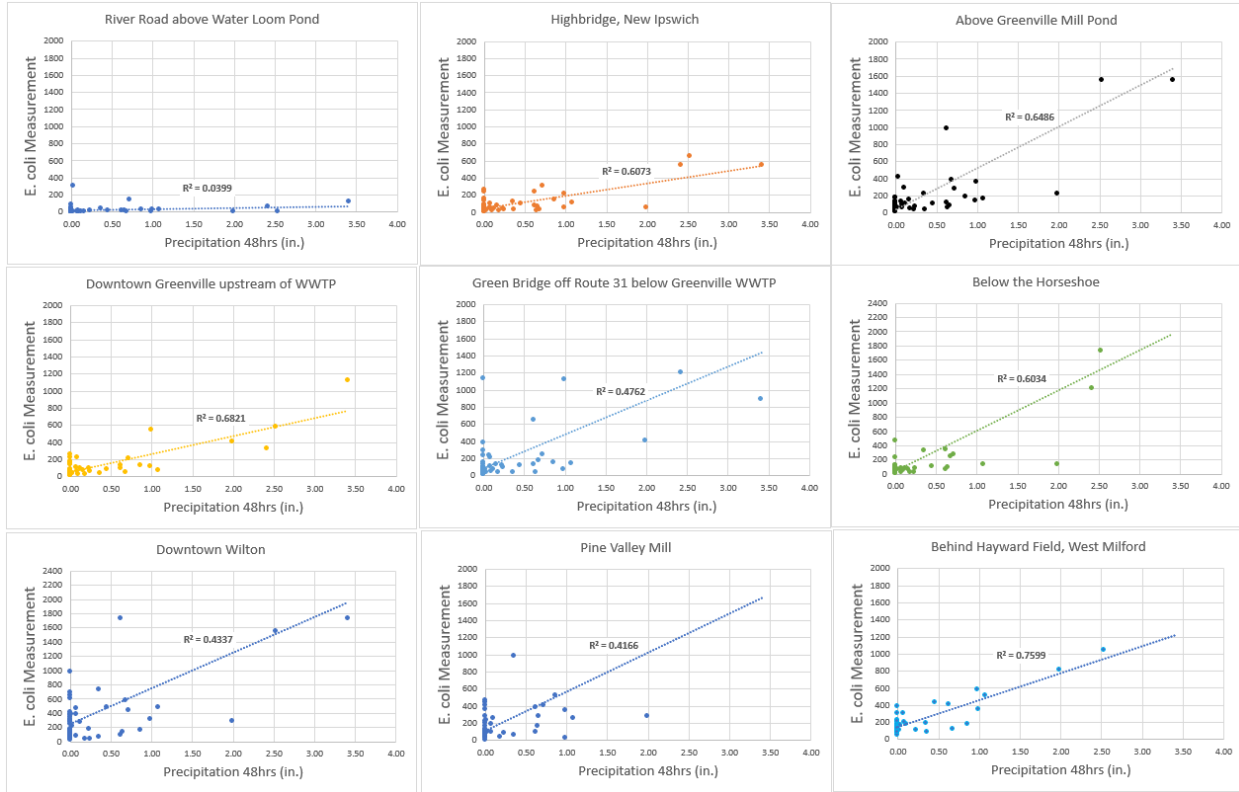


Figure C-2. *E. coli* and precipitation measurements for 9 sites in the Souhegan River watershed.

Souhegan River Corridor Management Plan

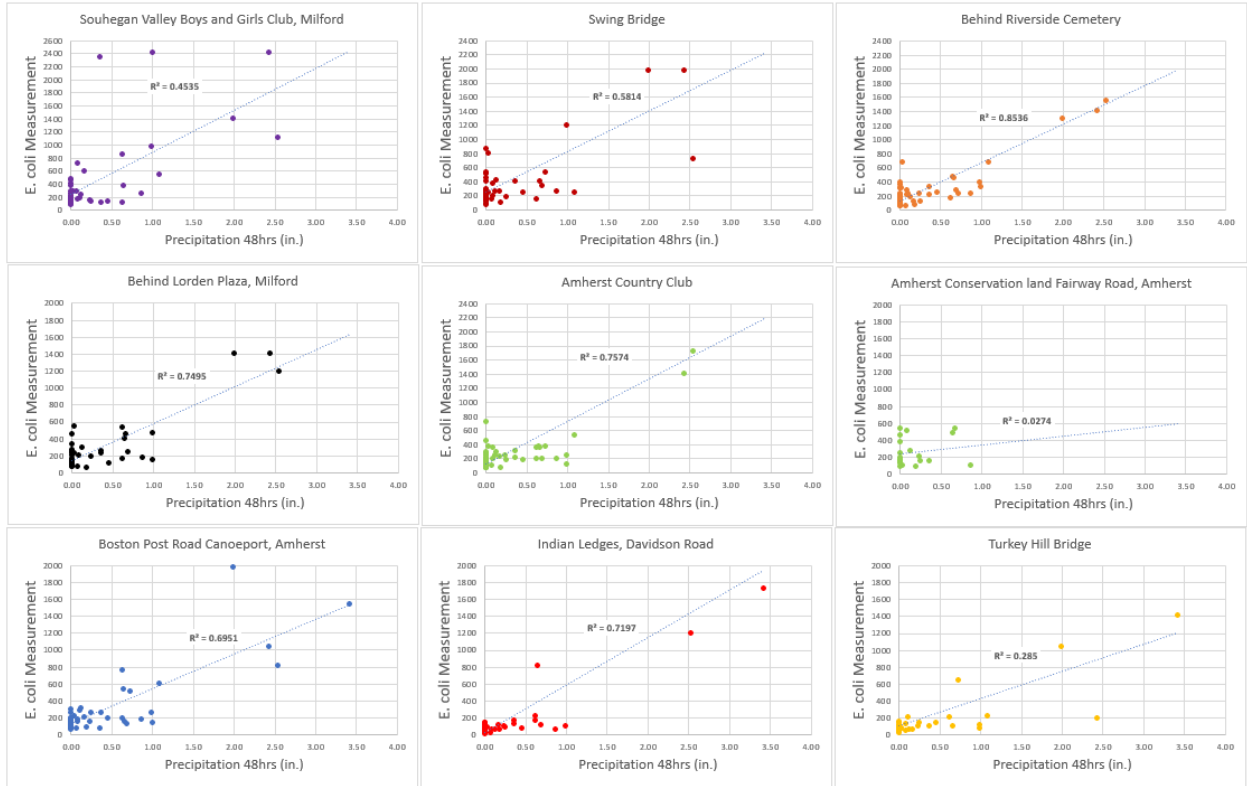


Figure C-3. *E. coli* and precipitation measurements for 9 sites in the Souhegan River watershed.

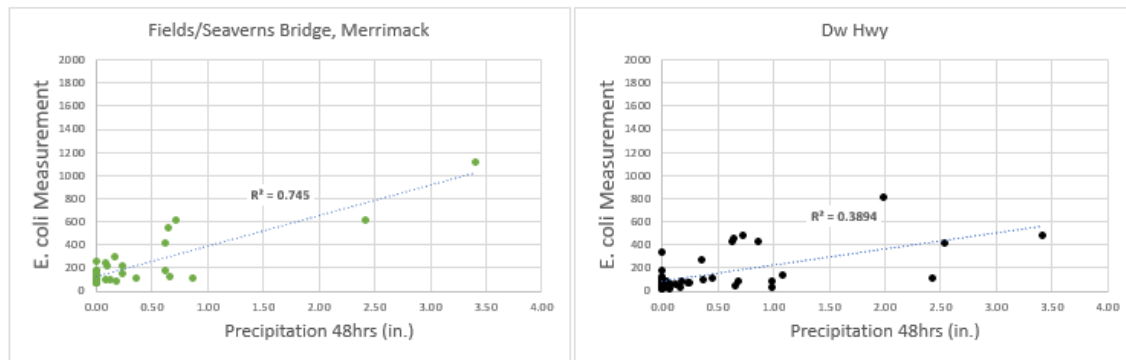


Figure C-4. *E. coli* and precipitation measurements for two sites in the Souhegan River watershed.

Appendix D: List of Dams in the Souhegan River Watershed

Table D-1: List of Dams in the Souhegan River Watershed

| TOWN | RIVER | NAME | OWNER | DAM ID | HAZCL | STATUS |
|---------|----------------------|--------------------------------|----------------------------------|---------|------------|---------|
| AMHERST | BABOOSIC BROOK | BABOOSIC LAKE DAM | MR MALCOLM CLARK | D007008 | N/A | RUINS |
| AMHERST | BEAVER BROOK | WOOLFORD DAM | MR CHRISTOPHER KAISER | D007005 | NON-MENACE | ACTIVE |
| AMHERST | INTERMITTENT STREAM | GLEN ECHO POND DAM | MR BARRY B HAMMOND | D007012 | NON-MENACE | ACTIVE |
| AMHERST | JOE ENGLISH BROOK | JOE ENGLISH POND DAM | US AIR FORCE STATION NEW BOSTON | D007001 | N/A | REMOVED |
| AMHERST | JOE ENGLISH BROOK | JOE ENGLISH POND DAM | US AIR FORCE STATION NEW BOSTON | D007002 | N/A | RUINS |
| AMHERST | JOE ENGLISH BROOK | PEABODY DAM | MR CHARLES BACON | D007003 | N/A | RUINS |
| AMHERST | RUNOFF | BRADGATE POND DAM | HIGHLAND VILLAGE CORP | D007021 | NON-N/A | EXEMPT |
| AMHERST | TR JOE ENGLISH BROOK | LINCOLN POND DAM | LINCOLN POND ASSOCIATION | D007004 | NON-MENACE | ACTIVE |
| AMHERST | TR JOE ENGLISH BROOK | FREESTYLE FARM POND DAM | FREESTYLE FARM LLC | D007009 | LOW | ACTIVE |
| AMHERST | TR SOUHEGAN RIVER | YORK POND DAM | SHERBURNE BROTHERS | D007006 | NON-MENACE | ACTIVE |
| AMHERST | TR YORK POND | TRUALL DAM | MR DANIEL FLICKNEAR | D007007 | N/A | RUINS |
| AMHERST | UNNAMED STREAM | FARM POND DAM | COUNTRY MANSION | D007010 | NON-MENACE | ACTIVE |
| AMHERST | UNNAMED STREAM | RECREATION POND DAM | MR HAROLD W POPE | D007011 | NON-MENACE | ACTIVE |
| AMHERST | UNNAMED STREAM | DREAM LAKE DAM | MR MIKE RICCITELLI | D007015 | NON-MENACE | ACTIVE |
| AMHERST | UNNAMED STREAM | THE HILLSIDE FIRE POND | ATHERTON UNIT OWNERS ASSOCIATION | D007019 | NON-MENACE | ACTIVE |
| AMHERST | UNNAMED STREAM | STEARNS FIRE POND DAM | MR BILL STEARNS | D007023 | NON-MENACE | ACTIVE |
| AMHERST | UNNAMED STREAM | FIRE POND DAM | MR STEPHEN ALBANO | D007024 | NON-MENACE | ACTIVE |
| AMHERST | UNNAMED STREAM | POWERS POND DAM | JIM POWERS | D007025 | NON-MENACE | ACTIVE |
| AMHERST | UNNAMED STREAM | FARM POND DAM | MR STEVEN RAYMOND | D007013 | N/A | EXEMPT |
| AMHERST | UNNAMED STREAM | JAKES POND DAM | MR ART DESAULNIER | D007014 | N/A | EXEMPT |
| AMHERST | UNNAMED STREAM | RICHARD ARNOLD DAM | MR RICHARD ARNOLD | D007016 | N/A | EXEMPT |
| AMHERST | UNNAMED STREAM | DAUTEUIL POND DAM | MR DONALD DAUTEUIL | D007020 | NON-N/A | EXEMPT |
| BEDFORD | BABOOSIC BROOK | STOWELL POND | MR BRIAN SEALANDER | D020009 | NON-MENACE | ACTIVE |
| BEDFORD | MCQUADE BROOK | LENZ MILL | MR RUSSELL C BROWN | D020006 | NON-MENACE | ACTIVE |
| BEDFORD | MCQUADE BROOK | FARM POND | MR JEROME K WALKER | D020033 | NON-MENACE | ACTIVE |
| BEDFORD | MCQUADE BROOK | JENKINS ROAD MCQUADE BROOK DAM | TOWN OF BEDFORD | D020013 | N/A | REMOVED |
| BEDFORD | MCQUADE BROOK | WHEELER DAM | MS CHARLENE DALRYMPLE | D020008 | N/A | RUINS |
| BEDFORD | MCQUADE BROOK | SHEPARD DAM | MR DONALD W WHEELER | D020012 | N/A | RUINS |
| BEDFORD | MCQUADE BROOK | PARKER DAM | GREENFIELD FARMS DEVEL GROUP | D020018 | N/A | RUINS |

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| TOWN | RIVER | NAME | OWNER | DAM ID | HAZCL | STATUS |
|--------------|------------------|----------------------------|---|---------|------------|-----------------|
| BEDFORD | MCQUADE BROOK | LENZ SAWMILL DAM | SKV INVESTMENT ASSOC | D020019 | N/A | RUINS |
| BEDFORD | RIDDLE BROOK | R COMERFORD DAM | MR RAE COMMERFORD | D020020 | N/A | NOT BUILT |
| BEDFORD | RIDDLE BROOK | RIDDLE BROOK DAM | MR MARCIA ANN MARSTON | D020030 | N/A | NOT BUILT |
| BEDFORD | RIDDLE BROOK | MAGAZINE STREET DAM | TOWN OF BEDFORD | D020047 | N/A | REMOVED |
| BEDFORD | RIDDLE BROOK | REMIG DAM | FEDERAL BAKE SHOP LTD PARTNERSHIP | D020007 | N/A | RUINS |
| BEDFORD | RIDDLE BROOK | DAMONS MILL DAM | MR JACK B MIDDLETON | D020010 | N/A | RUINS |
| BEDFORD | RIDDLE BROOK | HOLBROOK DAM | MR ANDREW NOYES | D020011 | N/A | RUINS |
| BEDFORD | RIDDLE BROOK | MCALLISTER DAM | MR RAE V COMMERFORD | D020014 | N/A | RUINS |
| BEDFORD | RIDDLE BROOK | COMERFORD RECREATION DAM | MR RAE COMMERFORD | D020017 | N/A | RUINS |
| BEDFORD | RUNOFF | FOREST RIDGE ESTATES | POMEROY ASSOCIATES | D020038 | NON-MENACE | ACTIVE |
| BEDFORD | TR MCQUADE BROOK | LYSCARS POND DAM | ATHERSTONE HOMEOWNERS ASSOCIATION | D020046 | NON-MENACE | ACTIVE |
| BEDFORD | TR RIDDLE BROOK | BURLIEGH DAM | TOWN OF BEDFORD | D020026 | NON-MENACE | ACTIVE |
| BEDFORD | UNNAMED STREAM | FIRE POND | MCAFFEE HEIRS TRUST | D020028 | NON-MENACE | ACTIVE |
| BEDFORD | UNNAMED STREAM | STONE DAM | MS ELIZABETH STONE | D020037 | NON-MENACE | ACTIVE |
| BEDFORD | UNNAMED STREAM | RECREATION POND | MR WAYNE WILLIAMS | D020039 | NON-MENACE | ACTIVE |
| BEDFORD | UNNAMED STREAM | APPLE ORCHARD ESTATES DAM | BENJAMIN ENTERPRISES | D020044 | NON-MENACE | ACTIVE |
| BEDFORD | UNNAMED STREAM | KAMEN GEO THERMAL POND DAM | MR DEAN KAMEN | D020045 | LOW | ACTIVE |
| BEDFORD | UNNAMED STREAM | GINGRAS DAM | MR LEO GINGRAS | D020027 | N/A | RUINS |
| GREENFIELD | STONEY BROOK | WILDLIFE POND | MR ROGER SWAIN | D098003 | NON-MENACE | ACTIVE |
| GREENVILLE | NA | PILGRIM FOODS LAGOONS 1&2 | OLD DUTCH MUSTARD CO DBA PILGRIM FOOD | D101009 | NON-MENACE | ACTIVE |
| GREENVILLE | SOUHEGAN RIVER | OTIS FALLS DAM | ALPINE PACIFIC UTILITIES HYDRO LLC | D101001 | LOW | ACTIVE |
| GREENVILLE | SOUHEGAN RIVER | SOUHEGAN RIVER | GREENVILLE ELDERLY HOUSING | D101002 | NON-MENACE | ACTIVE |
| GREENVILLE | SOUHEGAN RIVER | CHAMBERLIN FALLS DAM | ALPINE PACIFIC UTILITIES HYDRO LLC | D101003 | LOW | ACTIVE |
| GREENVILLE | SOUHEGAN RIVER | SOUHEGAN RIVER VI DAM | EVERSOURCE ENERGY | D101006 | N/A | REMOVED |
| GREENVILLE | SOUHEGAN RIVER | SOUHEGAN RIVER IV DAM | OIL RECOVERY SYSTEMS | D101004 | N/A | RUINS |
| GREENVILLE | SOUHEGAN RIVER | SOUHEGAN RIVER V DAM | GREENVILLE ELECTRIC LIGHTING CO | D101005 | N/A | RUINS |
| GREENVILLE | UNNAMED STREAM | CIDER MILL DAM | OLD DUTCH MUSTARD CO DBA PILGRIMS FOODS | D101008 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | BRANDY BROOK | BRANDY BROOK DAM | MR H W HOLT | D147012 | N/A | RUINS |
| LYNDEBOROUGH | CURTIS BROOK | CURTIS BROOK DAM | JACQUELINE AND DANIEL WEAVER | D147013 | LOW | ACTIVE |
| LYNDEBOROUGH | CURTIS BROOK | CURTIS BROOK DAM | ASMITA NEPAL | D147038 | LOW | ACTIVE |
| LYNDEBOROUGH | FURNACE BROOK | SOUHEGAN SITE 8 DAM | NH DES WATER DIVISION | D147028 | HIGH | ACTIVE/MULTIPLE |
| LYNDEBOROUGH | MILL BROOK | MILL BROOK DAM | MR J A PUTNAM | D147003 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | MILL BROOK | MILL BROOK DAM | MR PERRY E JOSLIN ESTATE | D147001 | N/A | RUINS |
| LYNDEBOROUGH | MILL BROOK | MILL BROOK DAM | MRS A M WATERHOUSE | D147002 | N/A | RUINS |
| LYNDEBOROUGH | MILL BROOK | MILL BROOK DAM | MR J A PUTNAM | D147004 | N/A | RUINS |

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| TOWN | RIVER | NAME | OWNER | DAM ID | HAZCL | STATUS |
|--------------|-------------------|-------------------------------|--------------------------------------|---------|------------|-----------------|
| LYNDEBOROUGH | MILL BROOK | PUTNAM DAM | MR J A PUTNAM | D147005 | N/A | RUINS |
| LYNDEBOROUGH | MILL BROOK | HILDRETH DAM | MR W J STEPHENSON | D147006 | N/A | RUINS |
| LYNDEBOROUGH | MILL BROOK | MILL BROOK DAM | MR W J STEPHENSON | D147007 | N/A | RUINS |
| LYNDEBOROUGH | MILL BROOK | HOLT DAM | MR F P RICHARDSON | D147008 | N/A | RUINS |
| LYNDEBOROUGH | NA | SCOTT BROWN DAM | SCOTT BROWN | D147039 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | PHILIP BROOK | FARM POND DAM | MR S PHILIP BROOKS | D147032 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | PURGATORY BROOK | PURGATORY BROOK | MR STANLEY GREENE | D147014 | MENACE | ACTIVE |
| LYNDEBOROUGH | PURGATORY BROOK | PURGATORY BROOK DAM | P C MCKEENE AND B L TOWER | D147018 | N/A | RUINS |
| LYNDEBOROUGH | PURGATORY BROOK | FALKNER DAM | MR WILLIAM FAULKNER | D147035 | N/A | RUINS |
| LYNDEBOROUGH | STONY BROOK | MIDDLE BR PISCATAQUOG RIVER | MS MARION R KANTER | D147010 | N/A | BREACHED |
| LYNDEBOROUGH | STONY BROOK | STONY BROOK DAM | MR E J BLANCHARD | D147009 | N/A | RUINS |
| LYNDEBOROUGH | STONY BROOK | STONY BROOK DAM | MR WILLIAM BUDDS | D147011 | N/A | RUINS |
| LYNDEBOROUGH | TR SOUHEGAN RIVER | MORISON POND | HITCHINER MANUFACTURING CO INC | D147029 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | TR SOUHEGAN RIVER | SOUHEGAN SITE 8 CEMETERY DIKE | NH DES WATER DIVISION | D147036 | LOW | ACTIVE/MULTIPLE |
| LYNDEBOROUGH | TR SOUHEGAN RIVER | SOUHEGAN SITE 8 SOUTH DIKE | NH DES WATER DIVISION | D147037 | LOW | ACTIVE/MULTIPLE |
| LYNDEBOROUGH | TR STONY BROOK | BURTON POND DAM | SNVK LLC | D147017 | LOW | ACTIVE |
| LYNDEBOROUGH | TR STONY BROOK | SOUHEGAN RIVER SITE 28 DAM | NH DES WATER DIVISION | D147026 | HIGH | ACTIVE |
| LYNDEBOROUGH | TR STONY BROOK | SWARTZ POND DAM | MR HARRY FLEMING | D147031 | LOW | ACTIVE |
| LYNDEBOROUGH | UNNAMED BROOK | FIRE POND | MR JAMES PREFTAKES | D147021 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | UNNAMED BROOK | SIMONI RECREATION DAM | MR CARLO SIMONI | D147040 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | UNNAMED BROOK | RECREATION POND | MR PETER VAN HAM | D147022 | N/A | EXEMPT |
| LYNDEBOROUGH | UNNAMED BROOK | FIRE POND | MR EDMOND J FORBES | D147023 | N/A | EXEMPT |
| LYNDEBOROUGH | UNNAMED BROOK | BLANCHARD MEADOW DAM | MR ULMER BLANCHARD | D147019 | N/A | RUINS |
| LYNDEBOROUGH | UNNAMED BROOK | PURGATORY BROOK DAM | MR ALEXANDER SWENSON | D147034 | N/A | RUINS |
| LYNDEBOROUGH | UNNAMED STREAM | BERSEN WILDLIFE POND | MARK AND LAURA BERSEN | D147024 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | UNNAMED STREAM | FIRE POND | MR JEAN P LEMIRE | D147030 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | UNNAMED STREAM | FARM POND | MR DAVID MITCHELL | D147033 | NON-MENACE | ACTIVE |
| LYNDEBOROUGH | UNNAMED STREAM | FARM POND | MR JOHN MORRISON | D147025 | N/A | NOT BUILT |
| LYNDEBOROUGH | UNNAMED STREAM | LUCUS FLAT DAM | PINNACLE MOUNTAIN FISH AND GAME CLUB | D147027 | N/A | RUINS |
| MERRIMACK | BABOOSIC BROOK | BABOOSIC BROOK III DAM | MR DICK PLANTIER | D156009 | N/A | EXEMPT |
| MERRIMACK | BABOOSIC BROOK | BABOOSIC BROOK I DAM | MR HARLEY GILMORE | D156004 | N/A | RUINS |
| MERRIMACK | BABOOSIC BROOK | BABOOSIC BROOK II DAM | MR HARLEY GILMORE | D156005 | N/A | RUINS |
| MERRIMACK | BABOOSIC BROOK | BABOOSIC BROOK III DAM | MR HARLEY GILMORE | D156006 | N/A | RUINS |
| MERRIMACK | MUSKRELL POND | MUSKRELL POND DAM | MR ROBERT M WOOLSEY | D156012 | N/A | EXEMPT |
| MERRIMACK | RUNOFF | RECREATION POND DAM | MR KENNETH BEACH | D156015 | NON-MENACE | ACTIVE |
| MERRIMACK | RUNOFF | SUREWOOD DETENTION POND DAM | MR JAMES MACHAD | D156027 | N/A | EXEMPT |

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| TOWN | RIVER | NAME | OWNER | DAM ID | HAZCL | STATUS |
|-------------|-------------------|------------------------------|------------------------------------|---------|------------|-----------|
| MERRIMACK | RUNOFF | BRADGATE ASSOCIATES | BRADGATE ASSOCIATES INC | D156033 | N/A | EXEMPT |
| MERRIMACK | SOUHEGAN RIVER | MERRIMACK VILLAGE DAM | PENNICHUCK WATER WORKS INC | D156001 | N/A | REMOVED |
| MERRIMACK | TR SOUHEGAN RIVER | MEADOW WOOD POND DAM | TOWN OF MERRIMACK | D156045 | LOW | ACTIVE |
| MERRIMACK | UNNAMED STREAM | FARM POND DAM | MR ARTHUR GAGNON | D156013 | NON-MENACE | ACTIVE |
| MERRIMACK | UNNAMED STREAM | UNNAMED STREAM DAM | JON AND SUE MACKIE | D156018 | N/A | RUINS |
| MERRIMACK | UNNAMED STREAM | UNNAMED STREAM DAM | UNKNOWN | D156019 | NON-N/A | RUINS |
| MERRIMACK | WATSON BROOK | WATSON DAM | MR HAROLD WATSON | D156010 | NON-MENACE | ACTIVE |
| MERRIMACK | WATSON BROOK | WATSON BROOK POND DAM | MR HAROLD WATSON | D156014 | NON-MENACE | ACTIVE |
| MILFORD | GREAT BROOK | RAILROAD POND DAM | TOWN OF MILFORD | D159001 | LOW | ACTIVE |
| MILFORD | GREAT BROOK | OSGOOD POND DAM | TOWN OF MILFORD | D159004 | LOW | ACTIVE |
| MILFORD | GREAT BROOK | GREAT BROOK | MR THOMAS LORDEN | D159017 | NON-MENACE | ACTIVE |
| MILFORD | GREAT BROOK | GREAT BROOK | MR HORACE D STEARNS | D159013 | N/A | EXEMPT |
| MILFORD | GREAT BROOK | GREAT BROOK DAM | TOWN OF MILFORD | D159011 | N/A | RUINS |
| MILFORD | HARTSHORN BROOK | HARTSHORN POND DAM | TOWN OF MILFORD | D159005 | LOW | ACTIVE |
| MILFORD | HARTSHORN BROOK | HARTSHORN BROOK DAM | FRANK HARTSHORN CO | D159006 | N/A | BREACHED |
| MILFORD | HARTSHORN BROOK | HARTSHORN BROOK DAM | MR CHARLIE WHEELER | D159007 | N/A | RUINS |
| MILFORD | OX BROOK | COMPRESSOR POND DAM | TOWN OF MILFORD | D159016 | LOW | ACTIVE |
| MILFORD | PURGATORY BROOK | PURGATORY BROOK DAM | UNKNOWN | D159009 | N/A | RUINS |
| MILFORD | RUNOFF | MILFORD ELM ST TRUST FIRE PD | TOWN OF MILFORD | D159025 | LOW | ACTIVE |
| MILFORD | RUNOFF | DETENTION BASIN A | THE RICHMOND COMPANY INC ret mail | D159026 | NON-MENACE | active |
| MILFORD | RUNOFF | DETENTION BASIN C | THE RICHMOND COMPANY INC ret mail | D159028 | N/A | EXEMPT |
| MILFORD | RUNOFF | DETENTION BASIN C | THE RICHMOND COMPANY INC ret mail | D159027 | N/A | NOT BUILT |
| MILFORD | RUNOFF | GFI STORMWATER DET POND | GFI MILFORD LLC | D159029 | NON-N/A | NOT BUILT |
| MILFORD | SEASONAL STREAM | DANA FIRE POND | MR RICHARD HOWSON | D159021 | NON-MENACE | ACTIVE |
| MILFORD | SOUHEGAN RIVER | GOLDMAN DAM | HELEN GOODWIN TRUST | D159002 | LOW | ACTIVE |
| MILFORD | SOUHEGAN RIVER | MCLANE DAM | TOWN OF MILFORD | D159003 | LOW | ACTIVE |
| MILFORD | TR GREAT BROOK | KITLEDGE GRANITE CORP DAM | KITLEDGE GRANITE CORP | D159020 | N/A | EXEMPT |
| MILFORD | TUCKER BROOK | GOODRIDGE DAM | MR HERBERT F GOODRIDGE | D159008 | N/A | RUINS |
| MILFORD | TUCKER BROOK | TUCKER BROOK DAM | UNKNOWN | D159010 | N/A | RUINS |
| MILFORD | TUCKER BROOK | TUCKER BROOK DAM | UNKNOWN | D159015 | NON-N/A | RUINS |
| MILFORD | UNNAMED BROOK | HITACHI FIRE POND | GFI MILFORD LLC | D159018 | NON-MENACE | ACTIVE |
| MILFORD | UNNAMED BROOK | HAMPSHIRE HILLS DAM | HAMPSHIRE HILLS SPORTS AND FITNESS | D159019 | N/A | BREACHED |
| MILFORD | UNNAMED BROOK | UNNAMED DAM | ALLAN AND CAROL GIBBONS | D159012 | NON-N/A | EXEMPT |
| MILFORD | UNNAMED STREAM | FARM POND | MS CELIA MELENDY | D159014 | NON-MENACE | ACTIVE |
| MONT VERNON | BEAVER BROOK | BEAVER BROOK DAM | TOWN OF MONT VERNON | D163001 | N/A | RUINS |
| MONT VERNON | CURTIS BROOK | CURTIS BROOK DAM | MR PAUL AND JENNIFER BERNARD | D163002 | N/A | EXEMPT |
| MONT VERNON | HARTSHORN BROOK | HARTSHORN BROOK II DAM | MR DAVID CRUDEN | D163007 | LOW | ACTIVE |

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| TOWN | RIVER | NAME | OWNER | DAM ID | HAZCL | STATUS |
|-------------|-----------------------------|-------------------------------|---------------------------------|---------|------------|-----------|
| MONT VERNON | HARTSHORN BROOK | UPPER STEARNS POND DAM | DAVID CRUDEN | D163013 | NON-MENACE | ACTIVE |
| MONT VERNON | HARTSHORN BROOK | TROW DAM | WILKINS LUMBER | D163006 | N/A | RUINS |
| MONT VERNON | TR BEAVER BROOK | CARLETON PARK POND | TOWN OF MONT VERNON | D163008 | N/A | EXEMPT |
| MONT VERNON | UNNAMED BROOK | ICE POND | US AIR FORCE STATION NEW BOSTON | D163004 | NON-MENACE | ACTIVE |
| MONT VERNON | UNNAMED BROOK | ROBY POND DAM | US AIR FORCE STATION NEW BOSTON | D163012 | N/A | EXEMPT |
| MONT VERNON | UNNAMED STREAM | FARM POND DAM | MR JOSEPH G CARLETON II | D163009 | NON-MENACE | ACTIVE |
| MONT VERNON | UNNAMED STREAM | ROWE RECREATION POND | MR ROBERT ROWE | D163010 | NON-MENACE | ACTIVE |
| MONT VERNON | UNNAMED STREAM | HERRICK RECREATION POND DAM | MR DAVID HERRICK | D163011 | N/A | EXEMPT |
| NEW BOSTON | UNNAMED BROOK | GARDNER RESERVOIR DAM | US AIR FORCE STATION NEW BOSTON | D167029 | NON-MENACE | ACTIVE |
| NEW BOSTON | UNNAMED BROOK | GREENTREE RES DAM | US AIR FORCE STATION NEW BOSTON | D167017 | N/A | EXEMPT |
| NEW BOSTON | UNNAMED BROOK | GREENTREE RES DIKE | US AIR FORCE STATION NEW BOSTON | D167030 | N/A | EXEMPT |
| NEW BOSTON | UNNAMED BROOK | BEAVER DAM POND DAM | KAREN AND PETER BEERS | D167018 | N/A | REMOVED |
| NEW BOSTON | UNNAMED STREAM | JOE ENGLISH ACRES POND DAM | MS CAROL HAYSE | D167026 | NON-MENACE | ACTIVE |
| NEW IPSWICH | BALCH POND | BALCHS POND DAM | TIM AND TERRI GORDON | D175008 | N/A | RUINS |
| NEW IPSWICH | BRANCH FURNACE BROOK | FIRE HOLE DAM | MS ALICE TRIPP | D175002 | N/A | RUINS |
| NEW IPSWICH | FOX BROOK | FOX BROOK DAM | NEW IPSWICH SPORTSMENS CLUB | D175018 | N/A | RUINS |
| NEW IPSWICH | FURNACE BROOK | SOUHEGAN SITE 14 DAM | NH DES WATER DIVISION | D175001 | HIGH | ACTIVE |
| NEW IPSWICH | FURNACE BROOK | KANGAS DAM | GEORGE AND DIXIE RHOADS | D175012 | N/A | RUINS |
| NEW IPSWICH | FURNACE BROOK | BOX FACTORY DAM | MR CHASE HAUTANCH | D175013 | N/A | RUINS |
| NEW IPSWICH | FURNACE BROOK | FURNACE BROOK IV DAM | MR F W FITZSIMMONS | D175014 | N/A | RUINS |
| NEW IPSWICH | PRATT BROOK | PRATT POND DAM | PRATT POND ASSOCIATION | D175003 | LOW | ACTIVE |
| NEW IPSWICH | PRATT POND | WALKER POND DAM | MR EDGAR LEIGHTON JR | D175007 | N/A | RUINS |
| NEW IPSWICH | PRATT POND BROOK | SMITHVILLE FIRE POND DAM | TOWN OF NEW IPSWICH | D175006 | NON-MENACE | ACTIVE |
| NEW IPSWICH | PRATT POND BROOK | SMITHVILLE SWIMMING POOL | MR NICHOLS | D175005 | N/A | BREACHED |
| NEW IPSWICH | PRATT POND BROOK | LENNOX DAM | MR AND MRS EDWARD NELLIE | D175004 | N/A | EXEMPT |
| NEW IPSWICH | RUNOFF | MAJESTIC VIEW ESTATE DET POND | MR PETER HOWATT | D175032 | NON-MENACE | ACTIVE |
| NEW IPSWICH | RUNOFF | HIGH RANGE ROAD DET POND 1 | MR ALVAN TRAFFIE | D175033 | N/A | EXEMPT |
| NEW IPSWICH | RUNOFF | HIGH RANGE ROAD DET POND 3 | MR ALVAN TRAFFIE | D175034 | N/A | EXEMPT |
| NEW IPSWICH | RUNOFF | CASCADE ROAD DET POND 4 | MR ALVAN TRAFFIE | D175035 | N/A | EXEMPT |
| NEW IPSWICH | RUNOFF | CASCADE ROAD DET POND 5 | MR ALVAN TRAFFIE | D175036 | N/A | EXEMPT |
| NEW IPSWICH | RUNOFF | HIGH RANGE ROAD DET POND 6 | MR ALVAN TRAFFIE | D175037 | N/A | EXEMPT |
| NEW IPSWICH | RUNOFF | DETENTION POND DAM | LAND REALTY TRUST | D175029 | N/A | NOT BUILT |
| NEW IPSWICH | SOUHEGAN RIVER | WATERLOOM POND DAM | TRIDAM ENERGY LLC | D175009 | LOW | ACTIVE |
| NEW IPSWICH | SOUHEGAN RIVER | HIGH BRIDGE DAM | WARWICK MILLS INC | D175010 | NON-MENACE | ACTIVE |
| NEW IPSWICH | SOUHEGAN RIVER | SOUHEGAN RIVER III DAM | OTIS COMPANY | D175011 | N/A | RUINS |
| NEW IPSWICH | SOUTH BRANCH SOUHEGAN RIVER | SOUHEGAN RIVER SITE 19 DAM | NH DES WATER DIVISION | D175019 | HIGH | ACTIVE |

Souhegan River Corridor Management Plan

| TOWN | RIVER | NAME | OWNER | DAM ID | HAZCL | STATUS |
|-------------|----------------------|------------------------------------|--------------------------------------|---------|------------|-----------------|
| NEW IPSWICH | STARK BROOK | WHEELER POND DAM | MR DAVID SOMERO | D175023 | N/A | RUINS |
| NEW IPSWICH | TR FURNACE BROOK | CEMETERY POND DAM | TOWN OF NEW IPSWICH | D175038 | NON-MENACE | ACTIVE |
| NEW IPSWICH | TR SOUHEGAN RIVER | SOUHEGAN RIVER SITE 13 DAM | NH DES WATER DIVISION | D175020 | LOW | ACTIVE |
| NEW IPSWICH | TR SOUHEGAN RIVER | PROFESSIONAL BUILDING DAM | MR WILLIAM C BARNESLEY | D175027 | N/A | NOT BUILT |
| NEW IPSWICH | UNNAMED BROOK | BLUEBERRY HILL C C POND | CHESHIRE DREXELL CONST AND DEVEL INC | D175031 | NON-MENACE | ACTIVE |
| NEW IPSWICH | UNNAMED BROOK | FIRE POND DAM | MS WINTHROP WADE | D175017 | N/A | RUINS |
| NEW IPSWICH | UNNAMED STREAM | SOMERO FIRE POND | UNKNOWN | D175022 | NON-MENACE | ACTIVE |
| NEW IPSWICH | UNNAMED STREAM | HURWITZ RECREATION POND DAM | MR PAUL SOMERO | D175025 | NON-MENACE | ACTIVE |
| NEW IPSWICH | UNNAMED STREAM | INTERIOR POND DAM | MR WILLIAM C BARNESLEY | D175026 | N/A | NOT BUILT |
| NEW IPSWICH | UNNAMED STREAM | TRAFFIE DAM | MR ALVAN TRAFFIE | D175030 | N/A | NOT BUILT |
| NEW IPSWICH | WEST BRANCH SOUHEGAN | SOUHEGAN RIVER SITE 35 DAM | NH DES WATER DIVISION | D175021 | HIGH | ACTIVE |
| TEMPLE | BLOOD BROOK | SOUHEGAN RIVER SITE 26 DAM | NH DES WATER DIVISION | D234008 | HIGH | ACTIVE |
| TEMPLE | MILLER GAMBLE RIVER | SOUHEGAN RIVER SITE 12A NORTH DIKE | NH DES WATER DIVISION | D234016 | HIGH | ACTIVE/MULTIPLE |
| TEMPLE | NA | GREENVILLE ALUM LAGOON | TOWN OF GREENVILLE | D234021 | NON-MENACE | ACTIVE |
| TEMPLE | NORTH BROOK | RECREATION POND DAM | MR W B JONES | D234009 | N/A | EXEMPT |
| TEMPLE | RICHARDSON BROOK | SOUHEGAN RIVER SITE 12A SOUTH | NH DES WATER DIVISION | D234011 | HIGH | ACTIVE/MULTIPLE |
| TEMPLE | TEMPLE BROOK | TEMPLE BROOK | MR LINCOLN GEIGER | D234001 | NON-MENACE | ACTIVE |
| TEMPLE | TEMPLE BROOK | SOUHEGAN RIVER SITE 25B DAM | NH DES WATER DIVISION | D234012 | HIGH | ACTIVE |
| TEMPLE | TEMPLE BROOK | CONSERVATION POND DAM | MR JOSEPH HILL | D234002 | N/A | RUINS |
| TEMPLE | TEMPLE BROOK | DAVIDSON GRIST MILL DAM | MR JOSEPH HILL | D234003 | N/A | RUINS |
| TEMPLE | TR BLOOD BROOK | LEIGHTON POND DAM | MR DOUGLAS GUY | D234004 | LOW | ACTIVE |
| TEMPLE | TR BLOOD BROOK | FIRE POND | MRS LYMAN W GALE | D234005 | NON-MENACE | ACTIVE |
| TEMPLE | TR TEMPLE BROOK | WILDLIFE POND DAM | MR ALBERT H GOVE | D234010 | N/A | EXEMPT |
| TEMPLE | UNNAMED BROOK | WILDLIFE POND DAM | MR RICHARD MCADOO | D234014 | NON-MENACE | ACTIVE |
| TEMPLE | UNNAMED BROOK | WILDLIFE POND DAM | MR MARTIN T CONNOLLY | D234015 | NON-MENACE | ACTIVE |
| TEMPLE | UNNAMED BROOK | FOX WATER SUPPLY POND DAM | FOX CONSTRUCTION CORP | D234013 | N/A | NOT BUILT |
| TEMPLE | UNNAMED STREAM | FIRE POND | MR RANDALL MARTIN | D234006 | NON-MENACE | ACTIVE |
| TEMPLE | UNNAMED STREAM | FARM POND DAM | MR ROSS BOWEN | D234007 | NON-MENACE | ACTIVE |
| TEMPLE | UNNAMED STREAM | TEMPLE MOUNTAIN SKI CORP DAM | NH DNCR | D234018 | NON-MENACE | ACTIVE |
| TEMPLE | UNNAMED STREAM | CROMWELL DAM | MR GAIL P CROMWELL | D234019 | NON-MENACE | ACTIVE |
| TEMPLE | UNNAMED STREAM | CAUSEWAY DAM | MR WILLIAM C BARNESLEY | D234020 | N/A | NOT BUILT |
| TEMPLE | WHITING BROOK | ROBBINS RECREATION POND | MS MARGARET ROBBINS | D234017 | NON-MENACE | ACTIVE |

Souhegan River Corridor Management Plan

| TOWN | RIVER | NAME | OWNER | DAM ID | HAZCL | STATUS |
|--------|-------------------|-----------------------------|--|---------|-------------|----------|
| WILTON | BLOOD BROOK | BLOOD BROOK DAM | MR EDMOND BARRETT | D254015 | NON-MENACE | ACTIVE |
| WILTON | BLOOD BROOK | BLOOD BROOK DAM | MR JOHN ZAVGREN | D254018 | LOW | ACTIVE |
| WILTON | BLOOD BROOK | BLOOD BROOK DAM | OWNER UNKNOWN | D254017 | N/A | EXEMPT |
| WILTON | BLOOD BROOK | BLOOD BROOK DAM | MRS F E HADLEY | D254016 | N/A | RUINS |
| WILTON | BLOOD BROOK | CREED DAM | MR FRANCIS H CREED | D254024 | N/A | RUINS |
| WILTON | BLOOD BROOK | BLOOD BROOK DAM | MRS EMILY HADLEY | D254025 | N/A | RUINS |
| WILTON | BLOOD BROOK | BLOOD BROOK DAM | MR OLE ALFSON | D254027 | N/A | RUINS |
| WILTON | BURTON BROOK | BURTON BROOK BEAVER DAM | E B FRYE AND SONS | D254013 | N/A | RUINS |
| WILTON | COUNTY FARM BROOK | COUNTY FARM BROOK DAM | DR EDWARD SHERIS | D254026 | N/A | BREACHED |
| WILTON | KING BROOK | BATCHELDER POND DAM | DR CHARLES CRAWFORD | D254020 | LOW | ACTIVE |
| WILTON | KING BROOK | SOUHEGAN RIVER SITE 15 DAM | NH DES WATER DIVISION | D254030 | SIGNIFICANT | ACTIVE |
| WILTON | KING BROOK | SOUHEGAN RIVER SITE 33 DAM | NH DES WATER DIVISION | D254034 | HIGH | ACTIVE |
| WILTON | MILL BROOK | OLD WILTON RESERVOIR | TOWN OF WILTON | D254008 | NON-MENACE | ACTIVE |
| WILTON | MILL BROOK | FRYES MEASURE MILL DAM | EB FRYE AND SON INC | D254010 | LOW | ACTIVE |
| WILTON | MILL BROOK | MILL BROOK | MR HARLEY SAVAGE | D254011 | NON-MENACE | ACTIVE |
| WILTON | MILL BROOK | MILL BROOK DAM | MR DOUGLAS BRATTEN | D254012 | NON-MENACE | ACTIVE |
| WILTON | MILL BROOK | MILL BROOK DAM | MRS K L ROEDEL | D254014 | NON-MENACE | ACTIVE |
| WILTON | MILL BROOK | SOUHEGAN RIVER SITE 10A DAM | NH DES WATER DIVISION | D254033 | HIGH | ACTIVE |
| WILTON | PROCTOR BROOK | PROCTORS BROOK DAM | MR JOSEPH DROHAN | D254029 | N/A | EXEMPT |
| WILTON | RUNOFF | QUINN BROTHERS DAM | QUINN BROTHERS CORP | D254041 | N/A | EXEMPT |
| WILTON | RUNOFF | ROBERT BRAGDON DET POND DAM | ROBERT BRAGDON | D254042 | N/A | EXEMPT |
| WILTON | SOUHEGAN RIVER | PINE VALLEY MILL DAM | PINE VALLEY HYDROELECTRIC POWER CO LLC | D254001 | LOW | ACTIVE |
| WILTON | SOUHEGAN RIVER | WILTON HYDRO DAM | GOULD LEECH TRUST | D254002 | LOW | ACTIVE |
| WILTON | SOUHEGAN RIVER | SOUHEGAN RIVER III DAM | WS PACKAGING GROUP INC | D254003 | NON-MENACE | ACTIVE |
| WILTON | SOUHEGAN RIVER | WS PACKAGING CANAL DAM | WS PACKAGING GROUP | D254004 | HIGH | ACTIVE |
| WILTON | STOCKWELL BROOK | NEW WILTON RESERVOIR DAM | TOWN OF WILTON | D254009 | SIGNIFICANT | ACTIVE |
| WILTON | STONEY BROOK | STONEY BROOK DAM | WILTON YOUTH CENTER | D254028 | N/A | EXEMPT |
| WILTON | STONY BROOK | STONEY BROOK DAM | TOWN OF WILTON | D254005 | NON-MENACE | ACTIVE |
| WILTON | STONY BROOK | STONEY BROOK | NTV LLC | D254006 | NON-MENACE | ACTIVE |
| WILTON | STONY BROOK | CONRAD DAM | MR E N CONRAD | D254007 | N/A | RUINS |
| WILTON | TANNERY BROOK | FROG POND DAM | WILTON CONSERVATION COMMISSION | D254021 | LOW | ACTIVE |
| WILTON | TR BLOOD BROOK | PETERS FARM POND DAM | MR R WINFIELD TRAFTON | D254019 | LOW | ACTIVE |
| WILTON | TR SOUHEGAN RIVER | CAMP POND DAM | SOCIETY FOR PROTECTION OF NH FORESTS | D254043 | NON-MENACE | ACTIVE |
| WILTON | UNNAMED STREAM | HILLER WILDLIFE POND DAM | ROBERT L HOWARD LIVING TRUST | D254031 | NON-MENACE | ACTIVE |
| WILTON | UNNAMED STREAM | ERB WILDLIFE POND DAM | MARK AND KRISTI LEGERE | D254032 | LOW | ACTIVE |

Souhegan River Corridor Management Plan

| TOWN | RIVER | NAME | OWNER | DAM ID | HAZCL | STATUS |
|--------|----------------|-----------------------------|---|---------|------------|---------|
| WILTON | UNNAMED STREAM | WILDLIFE POND DAM | MR DAVID BLACKMER | D254035 | NON-MENACE | ACTIVE |
| WILTON | UNNAMED STREAM | FIRE POND DAM | MR DAVID BLACKMER | D254036 | NON-MENACE | ACTIVE |
| WILTON | UNNAMED STREAM | FIRE POND DAM | MR DAVID BLACKMER | D254037 | N/A | EXEMPT |
| WILTON | UNNAMED STREAM | PRIES DAM | MR WALTER PRIES | D254039 | N/A | EXEMPT |
| WILTON | UNNAMED STREAM | PRIES DAM | MR WALTER PRIES | D254040 | N/A | EXEMPT |
| WILTON | UNNAMED STREAM | ANN JACKSON GIRL SCOUT POND | GIRL SCOUTS OF THE GREEN AND WHITE MTNS | D254038 | N/A | REMOVED |
| WILTON | UNNAMED STREAM | RECREATION POND DAM | F RUSSELL BEEBE | D254022 | N/A | RUINS |
| WILTON | UNNAMED STREAM | UNNAMED STREAM DAM | UNKNOWN | D254023 | N/A | RUINS |