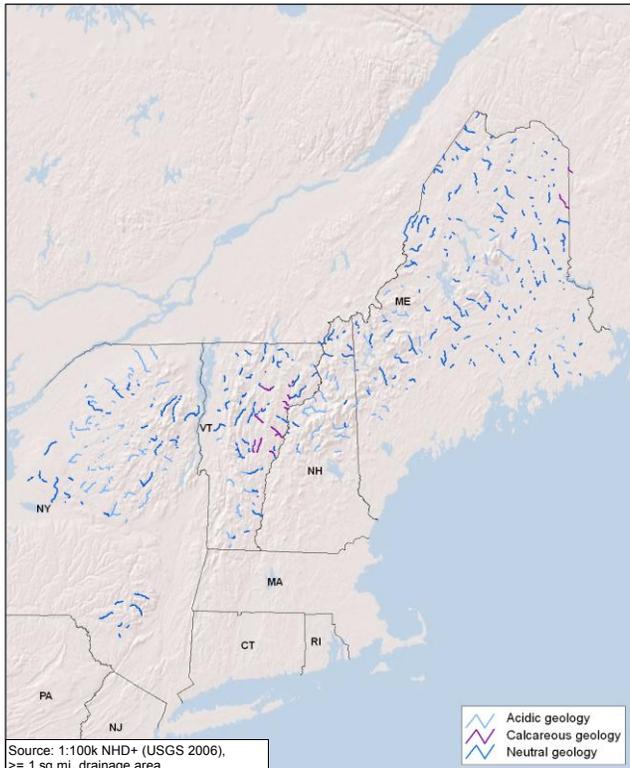


Moderate Gradient, Cold, Small River

Macrogroup: Small River

This map is based on a model and has had little field-checking. Contact your State Natural Heritage Ecologist or State Fish Game Agency for more information about this habitat.



East Branch Sacandaga River, © Andy Arthur

Description:

Cold, moderately fast-moving, small rivers at high elevations or in areas of substantial cold groundwater inflow. These small rivers of the northern region drain watersheds up to 200 sq.mi and have an average bankfull width of 69 feet. The moderately fast-moving waters are dominated by a well-defined pattern of alternating pools, riffles, and runs. Their substrate is dominated by sand, gravel, and cobble, and they often have high water clarity and are well oxygenated. These moderate gradient rivers exhibit moderate to low sinuosity with moderately narrow valleys and adjacent riverside upland communities. Cold water temperatures in these rivers means coldwater fish species, such as brook trout, likely represent over half of this fish community. Additional variation in the biological community is expected in acidic, calcareous, and neutral geologic settings where the pH of the water will limit the distribution of certain macroinvertebrates, plants, and other aquatic biota.

State Distribution: ME, NH, NY, VT

Total Habitat (mi): 2,352

% Conserved: 23.8 Unit = Acres of 100m Riparian Buffer

State	State Habitat %	Miles of Habitat	Acres GAP 1 - 2	Acres GAP 3	Total Acres Unsecured
ME	43	1032	37	90	526
NY	28	671	123	46	255
VT	19	460	3	18	271
NH	9	223	7	36	99

Similar Habitat Types:

These moderate gradient small rivers are transitional types and often exhibit some characteristics of both the higher and lower gradient small rivers. Cold moderate gradient small rivers typically flow into moderate or low gradient larger cold and cool rivers in areas of less topography.

Places to Visit this Habitat:

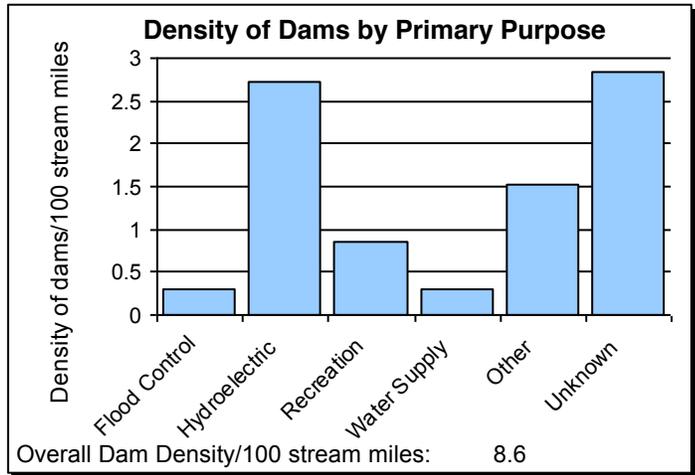
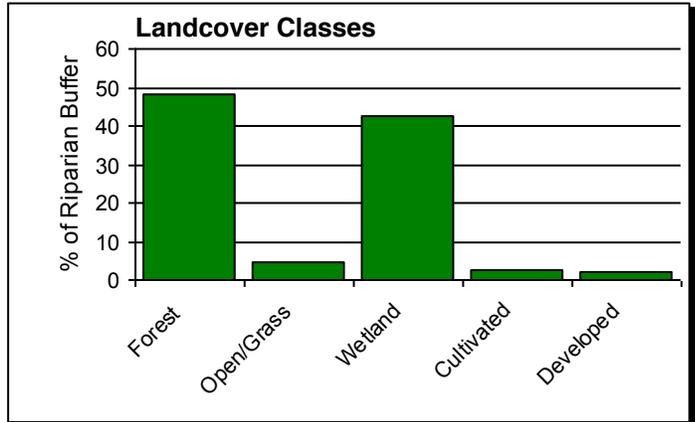
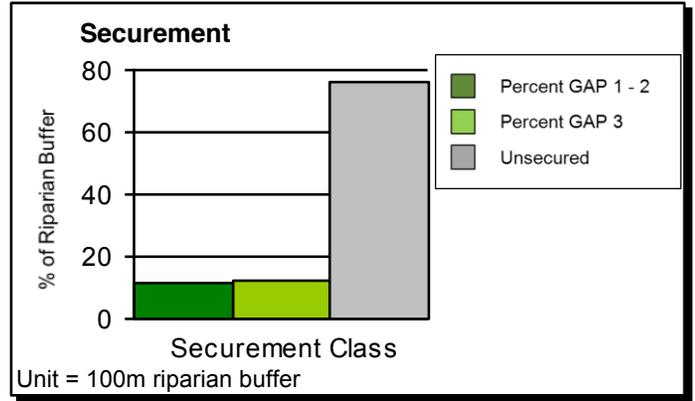
Nulhegan River, Brighton State Park | VT Old Stream, Machias River Watershed - Asc | ME Dead Diamond River, Second College Grant | NH East Branch Sacandaga River, Siamese Ponds | NY Middle Branch Oswegatchie River, Frank E Jadwin Memorial State Forest | NY Otter Creek, Independence River | NY

Associated Fish:

Most Abundant: eastern blacknose dace, longnose dace, slimy sculpin, white sucker, brook trout. Less Abundant: common shiner, longnose sucker, creek chub, lake chub, cutlip minnow, atlantic salmon, fallfish.

Species of Concern (G1 - G4):

Fishes: none
Crayfish, Mussels, and Snails: brook floater, eastern pearlshell
 See Appendix 2 for scientific names



Crosswalk to State Names:

Vermont: Blacknose dace-White sucker. New York: Confined river.



Blacknose dace, © Fairfax County, VA

