

**Boquet River Rare & Endangered Species Survey #519008:  
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The Boquet River is a major tributary located on the western shore of Lake Champlain. The river originates in the High Peaks Region of the Adirondack Mountains and runs approximately 40 miles through forest and farmland before emptying into Lake Champlain near Willsboro, NY. The Boquet River’s drainage encompasses roughly 280 square miles and consists of two branches, the North Branch and the Main Stem, and it is also the steepest river in New York State (Wu and Kalma 2013).

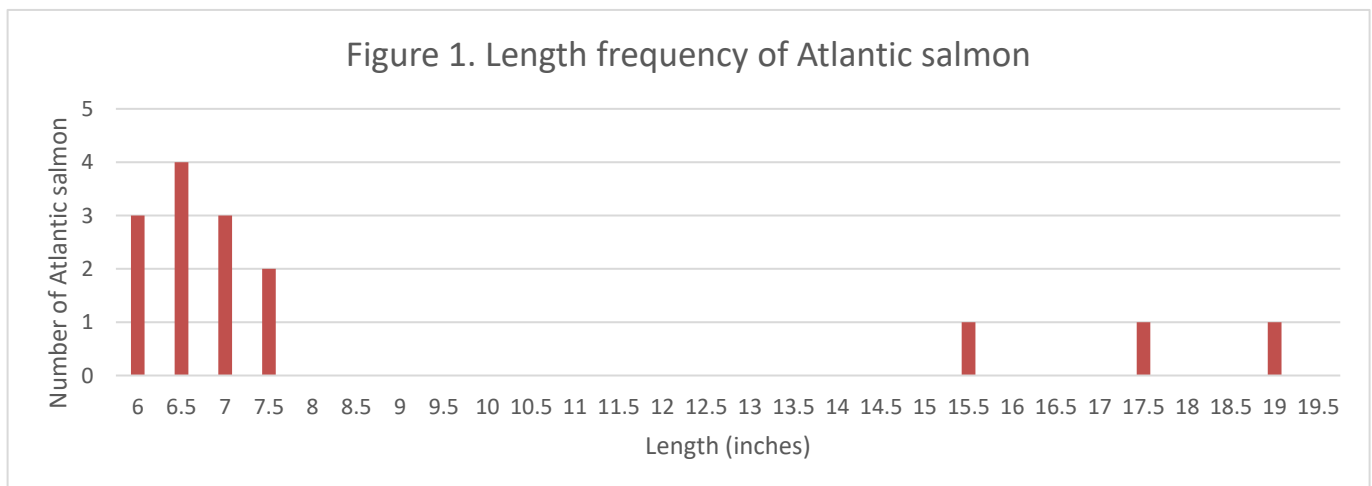
On April 30, 2019 electrofishing was conducted at four sites in an attempt to collect mooneye (*Hiodon tergisus*). The sites sampled are part of the main stem, near the mouth of the river. The site was targeted for mooneye adult electrofishing sampling due to fry being captured the previous year during a survey. A request from the rare species unit leader had been made to document the use of the site by adults, mooneye travel upriver in the spring to spawn.

No mooneye were collected during the survey as sampling was limited due to equipment failure. It was discussed that the window of mooneye spawning may have passed, and a second attempt was not made when equipment was once again available.

Species collected during sampling include rainbow trout, Atlantic salmon, brown trout, northern pike, silver redhorse and smallmouth bass (Table 1). Fifteen Atlantic salmon were collected, representing two distinct year classes (Figure 1). The 1<sup>st</sup> year class, smolts and yearlings, averaged 6.8 inches in total length. The 2<sup>nd</sup> year class, likely Age-3 and older fish, averaged 17.6 inches in total length.

Table 1. Fish species collected from the Boquet River, April 2019.

Species	Number Collected	Minimum length (in.)	Maximum length (in.)
Rainbow trout	1	8.9	8.9
Atlantic salmon	15	6.0	19.3
Brown trout	1	6.9	6.9
Northern pike	1	32.0	32.0
Silver redhorse	3	17.0	19.5
Smallmouth bass	2	17.2	20.2



Wu, M. and D. Kalma. 2013. A Comparative Study of Wetland Vegetation in the Ausable and Boquet River Watersheds. *Northeastern Naturalist*. 20(2):229-254.