

**2018 Field Survey**

**Black Lake**

SLELO-PRISM Early Detection Surveillance



August 7<sup>th</sup>, 2018

Report prepared by Sarah Kirkpatrick and Emma Gutierrez on August 8<sup>th</sup>, 2018

**Methods and Observations**

**No Prevention “Watch-list” species were found in the 2018 survey.**

In August of 2018, SLELO Early Detection team Emma Gutierrez and Sarah Kirkpatrick surveyed Black Lake for aquatic invasive species using a rake toss technique and visual observations. Highly Probable Areas (HPAs) were selected based on previous surveys of areas with high disturbance or human activity and accessed using the Wendt Fishin’ boat provided by The Nature Conservancy. At each survey point, (Fig. 3) a weighted double-sided rake was tossed from either side of the boat and dragged along the bottom to collect plant specimens for identification. The landscape was also surveyed visually for any other visible species. Observations were recorded at each site (Table 1).

No Prevention “Watch-list” species were found at Black Lake during the 2018 survey. Invasive species recorded included Eurasian water-milfoil, purple loosestrife, curly-leaf pondweed and European frogbit. Several banded mystery snail (*Viviparus georgianus*), specimens were found. These are considered nonindigenous to the area but are now considered to be naturalized<sup>1</sup>.



**Fig. 2:** Banded mystery snail  
Photo by Sarah Kirkpatrick

<sup>1</sup> According to USGS (below), the banded mystery snail is considered "nonindigenous" in New York.  
<https://nas.er.usgs.gov/queries/factsheet.aspx?SpeciesID=1047>



**Fig. 3:** Map of HPAs and Waypoints for Black Lake

**Table 1:** Black Lake HPA Descriptions, Locations, and Observations

HPA	Waypoint	Description	Latitude	Longitude	Throw	Depth (ft)	Observations	Visuals
1	039	Upstream	44.47454	-75.59333	1	2.5	MS, FB	FB
					2	2.5	-	FB
	036	Shallow Cove	44.469828	-75.59902	1	2.5	FB	PL, FB
					2	3.5	FB	PL, FB
	034	Mouth of Stream	44.472182	-75.59708	1	2	-	PL
					2	2	-	PL
2	029	Left of Marina	44.481522	-75.64563	1	4	EM, FB	EM
					2	4.5	-	EM
	030	Right of Marina	44.482479	-75.64478	1	2.5	EM	PL, EM
					2	4	EM, FB	PL, EM
3	027	Boat Launch	44.509744	-75.611627	1	3	EM, FB	PL
					2	4	-	PL
	028	Side of Ramp	44.509435	-75.61210	1	2	EM, MS	PL
					2	1	EM	CL, PL
4	032	Cove near Bridge	44.518678	-75.58940	1	4	EM	EM, PL
					2	4	EM	EM, PL
	038	Near Bridge	44.520427	-75.59124	1	4.5	-	-
					2	4	-	-
5	031	Quiet Cove	44.472686	-75.60851	1	2.5	FB	PL
					2	2.5	FB, MS	PL

**Key** EM= Eurasian Water-milfoil      FB= European Frogbit      PL= Purple Loosestrife  
 CL= Curly-leaf Pondweed      MS= Banded Mystery Snail

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