

2018 Field Survey
Chaumont Bay
SLELO-PRISM Early Detection Surveillance

June 6th, 7th, 18th, 19th

Report prepared by Sarah Kirkpatrick and Emma Gutierrez on June 19th, 2018



Figure 1. Picture of DEC boat launch. Photo by Sarah Kirkpatrick.

Methods and Observations:

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

In June of 2018, SLELO Early Detection team members Sarah Kirkpatrick and Emma Gutierrez surveyed Chaumont Bay for aquatic and terrestrial invasive species using a rake toss technique and visual observations. Highly Probable Areas (HPAs), (Fig. 1) were selected for surveying based on prior reports (Table 1) and accessed by canoe for aquatic sites and by foot for terrestrial sites. At each aquatic HPA, a weighted rake was tossed from either side of the canoe and dragged to collect plant specimens. Surrounding water and landscape was also scanned for visuals of aquatic and terrestrial invasives. Visual surveys were taken at each terrestrial site.

Aquatic target species determined to be at Chaumont Bay included Eurasian Water Milfoil (HPA 1-4), Curly-leaf Pondweed (HPA 1-4), European Frog-bit (HPA 1,2,4), and Yellow Iris (HPA 1,4). Terrestrial species included Garlic Mustard (HPA 1,2), Buckthorn (HPA 1), Swallow-wort (HPA 2) and Leafy Spurge (HPA 2).



Fig 1: Map of HPAs at Chaumont Bay



Fig 2: From L to R clockwise: Leafy Spurge, Garlic Mustard, Yellow Iris, Swallow-wort, Zebra Mussels

Table 1: HPA descriptions, locations, and species found at Chaumont Bay

HPAs	Description	Latitude	Longitude	Toss	Depth (ft)	Invasives	Visuals	Terrestrial
1 - Long Point State Park	Quiet area near campsites	44.02915	-76.21516	1	4.5		EM	EM, GM, BT, ZM
				2	5	EM		
	Quiet Marsh Area	44.02652	-76.21773	1	2.5	EM, CL	CL, EM, FB, YI	FB, CL, GM, YI
				2	2	CL		
	Next to Boat Launch	44.02978	-76.21362	1	6.5	CL	CL, EM	FB, CL, EM
				2	6	CL		
2- DEC Boat Launch at Isthmus	By Launch	44.04150	-76.17156	1	-	-	-	CL, EM, FB
				2	-	-		
	Rocky Shore	44.04015	-76.17159	1	-	-	-	LS
				2	-	-		
	Along Beach	44.03980	-76.17193	1	-	-	-	SW, GM, LS
				2	-	-		
3 - Three Mile Bay	Near Boat Launch	44.08088	-76.19649	1	4	EM	EM, CL	CL, FB, EM
				2	4			
	Area Near Homes	44.0789	-76.19787	1	3		CL	-
				2	3.5	EM		
	Middle of Water	44.07199	-76.21517	1	4	CL	CL, EM	-
				2	3			
	Quiet Marsh Area	44.0784	-76.20335	1	2.5			-
				2	2			
4 - Sawmill Bay	Quiet Marsh Area	44.06665	-76.15225	1	5		EM, CL	-
				2	3			
	Middle of Water	44.0668	-76.15013	1	5	EM, CL		-
				2	6			
	Near Yacht Club	44.06417	-76.13452	1	5.5		EM	-
				2	11			
	Rocky Inlet	44.06476	-76.13008	1	5		EM, CL	-
				2	5.5			
	Near Barn	44.06396	-76.1323	1	3	FB, EM	EM, CL	-
				2	3.5	EM		
	Side of Bay	44.06164	-76.13456	1	3	CL	YI, CL, EM	-
				2	4	EM		
	Near Bridge	44.07004	-76.13855	1	7.5			-
				2	2.5			
	Middle of Water	44.07315	-76.13506	1	4	CL	EM, CL	-
				2	4.5	CL		
Cove Near Launch	44.06889	-76.147	1	3			-	
			2	4.5				

EM= Eurasian water milfoil GM= Garlic mustard BT= Buckthorn ZM= Zebra mussels
 CL= Curly-leaf pondweed FB= Eurasian Frog-bit YI= Yellow iris SW= Swallow-wort
 LS= Leafy spurge