

St. Lawrence Eastern Lake Ontario Partnership for Regional Invasive Species Management
2018 Field Survey

Oneida Lake and Three Mile Bay
SLELO-PRISM Early Detection Surveillance



June 14th, 15th, 20th, 21st, 25th

Report prepared on June 26th by Emma Gutierrez and Sarah Kirkpatrick

Methods and Observations

One Prevention “Watch-list” species - Rusty Crayfish, (*Orconectes rustics*) - was reconfirmed in the 2018 survey.

In June of 2018, SLELO Early Detection team members Sarah Kirkpatrick and Emma Gutierrez surveyed Oneida Lake and Three Mile Bay for aquatic and terrestrial invasive species using a rake toss technique and visual observations. Highly Probable Areas (HPAs) were selected for surveying based off prior reports (Table 1, 2) and accessed by canoe for aquatic sites and by foot for terrestrial sites (Fig. 2). Multiple HPAs had both terrestrial and aquatic waypoints for surveying. At each aquatic HPA waypoint, 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 waypoint.

Prevention “Watch-list” species, Rusty crayfish, was found at HPAs 6, 14, and 15. Last year, surveyors also found Rusty crayfish at HPAs 4, 5, 6, 11, and 14, leading us to believe that the crayfish are already widespread in Oneida Lake. Evidence of Emerald Ash Borer was also identified at HPA 8 and 9. Infestation was severe and widespread at these locations, especially at HPA 8. See separate report.

One Target Management List species – Emerald Ash Borer (*Agrilus planipennis*) was discovered at a new location at Chapman Park on the south side of Oneida Lake in Oneida County.



Fig. 1: From L to R: Ash tree showing signs of dieback, “D-shaped” exit hole from EAB, Rusty Crayfish, Japanese Knotweed



Fig. 2: Aquatic and terrestrial HPA locations at Oneida Lake

Note: Yellow HPA's include both a terrestrial survey and aquatic survey at each site. Green HPA's are additional terrestrial sites only.

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Table 1: Aquatic HPA locations, descriptions and observations

<i>HPAs</i>	<i>Point</i>	<i>Description</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Throw</i>	<i>Depth (ft)</i>	<i>Invasives</i>	<i>Visuals</i>
1 Toad Harbor Fishing Access	001	Near Boat Launch	43.24167	-76.08710	1	6		FB
					2	6.5		
	002	End of Channel	43.24231	-76.08492	1	8		
					2	9		
	003	End of Channel	43.24532	-76.08750	1	2.5	FB	FB, CL, WC
					2	2.5	CL, FB	
	004	Cove	43.24532	-76.09286	1	1.5	FB	
					2	2.5	FB	
	005	Cove	43.24905	-76.10612	1	2	FB	
					2	2	FB	
006	Near Hunting Stand	43.24940	-76.10886	1	2.5			
				2	2.5			
007	Mouth of Tributary	43.25316	-76.11115	1	4	FB	WC, FB, EM	
				2	4	FB		
008	Near Hunting Stand	43.25362	-76.11264	1	3	FB	FB, WC, EM	
				2	3	FB		
009	Mouth of Tributary	43.25430	-76.11229	1	3.5	FB, EM	FB, WC, EM	
				2	2.5	FB		
010	Cove	43.24296	-76.08997	1	2	FB		
				2	1	FB		
3 Cleveland Docks Fishing Access	011	Fishing Dock	43.23169	-75.88126	1	4		
					2	1.5		
012	End of Dock	43.23111	-75.88126	1	8		ZM	
				2	8	ZM		
4 Godfrey Point Boat Launch	013	Near Boat Launch	43.22368	-75.84994	1	2		
					2	2		
	014	End of Dock	43.22336	-75.84995	1	2.5		
2					2.5			
015	Mouth of Tributary	43.22337	-75.84953	1	.5		ZM	
				2	.5			
5 Sylvan Beach Canal Access	016	Near Boat Launch	43.19491	-75.72820	1	9.5		YI
					2	3		
	017	End of Marina	43.19241	-75.72656	1	5.5		CL, EM
					2	5		
	018	End of Marina Docks	43.19455	-75.72409	1	3.5	EM	CL, EM
					2	3	EM	
	019	End of Channel	43.19497	-75.72470	1	2.5	CL	EM, FB
2					2.5	EM		
020	Cove	43.19433	-75.72659	1	2.5			
				2	2.5			
021	Slow Moving Water	43.19504	-75.72742	1	3			
				2	2			
6 Fishing Access near I-81 Bridge	033	Fishing Access	43.23925	-76.13021	1	1		
					2	1		
	034	Near Fishing Platform	43.23936	-76.13095	1	1.5		
					2	1		
	037	Cove/Fishi ng Platform	43.23502	-76.13058	1	.5	CL, FB	CL, FB, EM
2					1	CL, EM, FB		
038		43.23496	-76.12920	1	1	FB		

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		Near Fishing Platform			2	1		
	039	Cove Near Marina	43.23979	-76.12952	1	1		
					2	1		
7 South Shore Fishing Access	040	End of Dock	43.16259	-75.92664	1	2.5	FB	
					2	2.5		
	041	End of Dock	43.16275	-75.92686	1	2		
					2	2		
	042	Cove	43.16278	-75.92754	1	.5		
					2	.5		
8 Chapman Park	043	Cove	43.16225	-75.12617	1	.5		
					2	.5		
8 Chapman Park	044	Cove	43.16226	-75.92635	1	1		
					2	1		
9 Marion Manor Marina	045	End of Dock	43.15715	-75.89093	1	5		
					2	5		
9 Marion Manor Marina	046	Beginning of Dock	43.15677	-75.89089	1	1		
					2	1.5		
9 Marion Manor Marina	047	End of Dock	43.15848	-75.74568	1	2	EM, ZM	WC
					2	2		
10 Route 13 Bridge Fishing Access	048	Boat Launch	43.15792	-75.74530	1	3	WC	WC
					2	3		
10 Route 13 Bridge Fishing Access	049	Fishing Access	43.16463	-75.73734	1	1		
					2	1.5		
11 DEC Fish Hatchery	050	Fishing Access	43.24815	-75.99852	1	2		FB
					2	3		
11 DEC Fish Hatchery	051	Fishing Access	43.24806	-75.99842	1	1		
					2	.5		
14 Muskrat Bay Fishing Area	052	Fishing Access	43.22423	-76.10482	1	1		WC
					2	.5		
14 Muskrat Bay Fishing Area	053	Dense Vegetation	43.22414	-76.10452	1	.5	FB	WC
					2	.5	FB	
14 Muskrat Bay Fishing Area	054	Dense Vegetation	43.22401	-76.10462	1	.5	FB	FB, WC
					2	.5		
15 Joseph F. William Park	055	Pier	43.19529	-76.03458	1	1.5		
					2	1.5		
15 Joseph F. William Park	056	End of Pier	43.19539	-76.03436	1	2		
					2	2		

Table 2: Terrestrial HPA locations, descriptions, and observations

HPA	Point	Latitude	Longitude	Invasive Species	Description
1 Toad Harbor Fishing Access	057	43.24156	-76.08739	MFR, CB, HS, CF	Parking Area and Trailhead
2 McCloud Road	058	43.24382	-76.05744	GM, MFR	Parking Area
	059	43.23919	-76.05039	ZM, GM, YI, CB	Camping Area/ Water Access
	060	43.23989	-76.05138	MFR, GM	Camping Area
3 Cleveland Docks Fishing Access	061	43.23178	-75.88162	JK	Parking Area
4 Godfrey Point Boat Launch	062	43.22401	-75.85028	HS, YI, TH	Parking Area
5	063	43.19469	-75.72884	YI, HS, CB	Parking Area/ Fishing Access

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Sylvan Beach Canal Access					
6 Fishing Access Near 1-81	064	43.24111	-76.13047	RC, HS, YI, CF, AO, CB, WP	Parking Area/ Trailhead
	065	43.23275	-76.13077	HS, WP, CB	Parking Area/ Trailhead
7 South Shore Oneida Lake	066	43.16173	-75.92739	HS, CB, MFR, ZM, YI, GM, JK	Parking Area
8 Chapman Park	067	43.15597	-75.89178	MFR, HS, CB, WP, EAB, ZM	Parking Area
9 Marion Manor	068	43.15872	-75.74559	WP, WC, YI, JK, EAB	Parking Area
10 Route 13 Fishing Access	069	43.16484	-75.73728	JK, WP, HS	Parking Area/ Fishing Access
11 DEC Fish Hatchery	070	43.24821	-75.99820	YI	Parking Area
12 Wheeler Road	071	43.26464	-76.05670	HS, CB	Parking Area
	072	43.26550	-76.06416		Open Field
	073	43.26796	-76.06702	GM, MFR, HS	End of Driving Loop
13 Toad Harbor Road	074	43.25293	-76.08055		Parking Area
14 Muskrat Bay Fishing Access	075	43.22381	-76.10522	HS, WC, ZM, RC	Parking Area/ Fishing Access
15 Joseph F. Willam Park	076	43.19466	-76.03527	HS, CB, CF, ZM, RC	Parking Area

Key: HS= Honeysuckle CB= Common Buckthorn ZM= Zebra Mussel
RC= Rusty Crayfish WC= Water Chestnut
CF= Colt's Foot YI= Yellow Iris EAB= Emerald Ash Borer
JK= Japanese Knotweed MFR= Multi-Flora Rose EM= Eurasian Milfoil
GM= Garlic Mustard CL= Curly-leaf Pondweed FB= European Frog-bit
AO= Autumn Olive WP= Wild Parsnip