

## State Route Corridor Roadside Invasive Species Inventory SLELO-PRISM

August 31 and September 4, 5, 6, 7 & 10, 2012



**Figure 1:** View of Route 3 along the Great Lakes Seaway Trail. Photo by Mike McHale.

*Report drafted by Greg Chapman and Mike McHale, 9/14/12.*

### **Introduction**

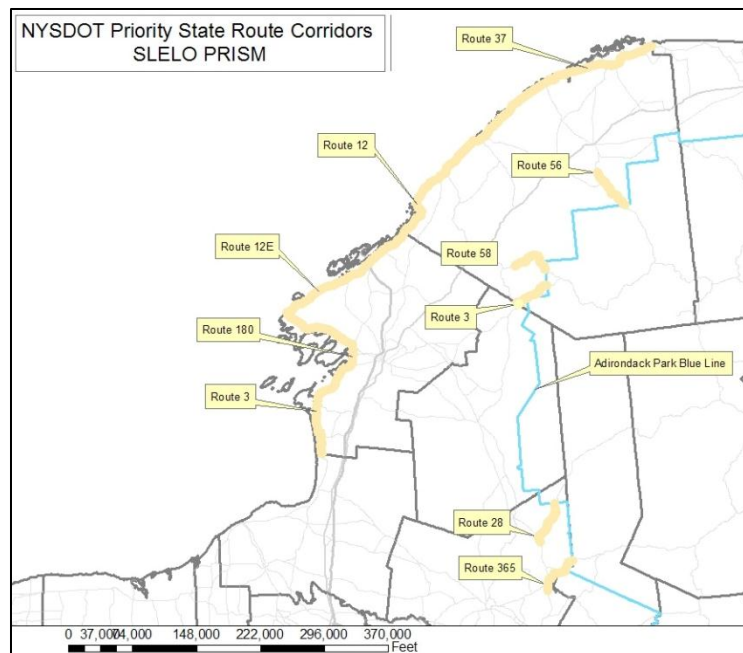
At the request of the New York State Department of Transportation (NYSDOT), an invasive species inventory was conducted along several NYSDOT Priority State Route Corridors within the SLELO-PRISM region.

An approximate total of 202.2 miles of State Route corridors were identified by the NYSDOT (see Figure 2) for the inventory and included:

- 9.3 miles of NYS Route 365 in Oneida County
- 9.6 miles of NYS Route 28 in Oneida County
- 7.9 miles of NYS Route 3 in St. Lawrence County
- 11.8 miles of NYS Route 58 in St. Lawrence County
- 10.8 miles of NYS Route 56 in St. Lawrence County

A majority of the Great Lakes Seaway Trail as it passes through Jefferson and St. Lawrence counties was inventoried, including:

- 23.6 miles of NYS Route 3
- 5.2 miles of NYS Route 180
- 31.9 miles of NYS Route 12E
- 34.9 miles of NYS Route 12
- 57.2 miles of NYS Route 37



**Figure 2:** General overview map of state routes inventoried (beige lines) during the course of the survey.

## Survey Methods and Objectives

A driving survey of targeted routes was conducted by SLELO-PRISM seasonal employees Mike McHale and Greg Chapman on August 31 and September 4, 5, 6, 7 & 10, 2012. Roadsides were visually surveyed for the presence of terrestrial SLELO-PRISM Prevention and Target Management Invasive Species<sup>1</sup> that could be confidently identified while travelling at a reduced speed. A Garmin handheld GPS unit was used to record observation coordinates.

Invasive species observed to be growing within the NYSDOT's right-of-way were inventoried by recording the species, the side of the road where the species was observed, and a visually estimated length of roadside affected by the species (using the known length of the survey vehicle as a reference). Occurrences were marked as a single point near the observed center of the invasive species occurrence. Several exceptionally long infested roadside areas were measured by marking start and end points with the GPS in order to later measure the distance using GIS software; a central point was then identified for the purpose of mapping the occurrence. All invasive species occurrences were reported to the iMapInvasives invasive species database.



**Figure 3:** Phragmites observed growing along Route 3 in Jefferson County. Photo by Greg Chapman.

## Observations

Four species included in the SLELO-PRISM Target Management Species list<sup>1</sup> were observed along the survey route: Phragmites (*Phragmites australis*), Purple Loosestrife (*Lythrum salicaria*), Japanese Knotweed (*Polygonum cuspidatum*) and Swallow-wort (*Cynanchum* sp.). **No species included on the SLELO-PRISM Prevention Species list were observed.**



**Figure 4:** Swallow-wort observed growing along Route 3 in Jefferson County. Photo by Greg Chapman.

A total of 286 invasive species observations were recorded along the 202.2 miles of road inventoried. Of these, the majority of observations were for Phragmites (207 observations), with the remainder consisting of Purple Loosestrife (54 observations), Japanese Knotweed (21 observations) and Swallow-wort (4 observations). Refer to Table 1 for summarized occurrence data organized by Route, and to Table 2 for full occurrence data.

Several noteworthy areas were observed during the course of the route. Large areas infested by Swallow-wort were observed on both sides of the road in an area south of Ogdensburg on Route 37 (observations 144, 146m and 148m). Although Swallow-wort was seen growing in the areas

<sup>1</sup>For a list of targeted and prevention species, see the SLELO-PRISM 2012–2016 Strategic Plan, pp. 36 & 37.

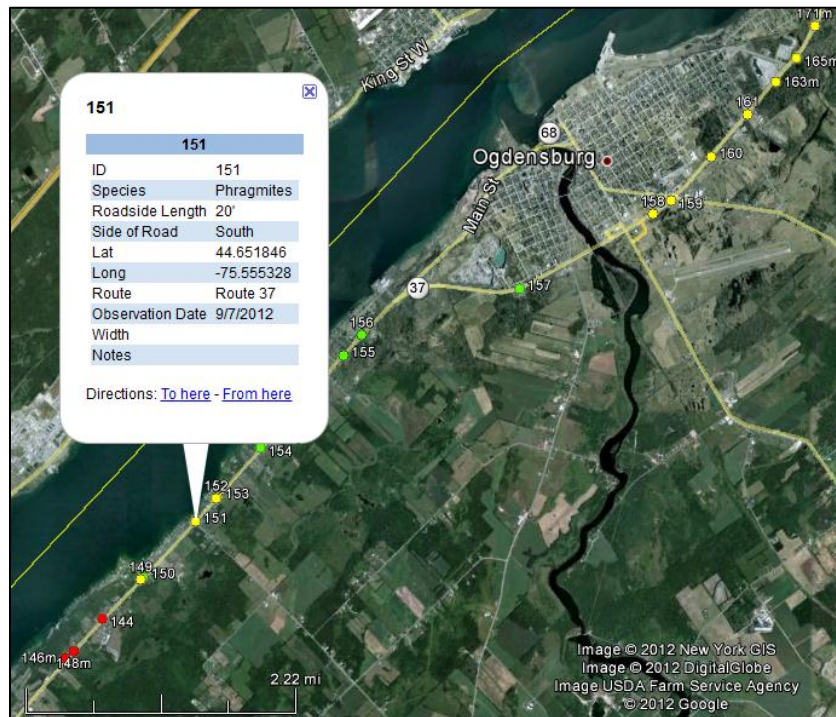
immediately adjacent to the road, the plant also appeared to be well-established beyond the right-of-way and into nearby fields, shrub land and lawns. Swallow-wort was additionally observed growing along a side street (Cedar Croft Road) that was visited briefly in order to turn the vehicle around. It is likely that Swallow-wort is well established in the area surrounding these roadside observations. An additional occurrence of Swallow-wort was observed growing along Route 3, east of Sackets Harbor.

Additionally, several areas were observed to contain particularly high concentrations of Phragmites, although the plant was commonly encountered along much of the survey route. Populated areas along the northern portion of the Great Lakes Seaway Trail such as Ogdensburg and Massena had denser and more frequent occurrences of Phragmites, particularly the recently disturbed area surrounding the newly-constructed traffic interchange between Route 37 and the International Bridge in Massena.

Occurrence data for Purple Loosestrife along the northern portion of the Great Lakes Seaway Trail is likely to be incomplete, as it was observed that a majority of Purple Loosestrife had ceased flowering and had gone to seed prior to the survey taking place. This made it very difficult to reliably spot Purple Loosestrife growing along the roadside, particularly in areas where it was growing amongst other vegetation.

**Data Tables and Maps**

Due to the length of area surveyed, map images showing locations of observations are not included within this report. Instead, visual observation representation is available as a Google Earth .kml file, which also includes observation data for each occurrence. Full data is also supplied in several tables on the following pages.



**Figure 5:** Example of Google Earth .kml data provided to supply visualization of invasive species occurrences.



**Table 1:** Summarized data for invasive species observations, organized by route.

<b>Route 365</b>	<b>Length Surveyed</b>	<b>County</b>
	9.3 miles	Oneida
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Japanese Knotweed	5	490
Phragmites	12	895
Purple Loosestrife	8	178

<b>Route 28</b>	<b>Length Surveyed</b>	<b>County</b>
	9.6 miles	Oneida
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Phragmites	1	30
Purple Loosestrife	2	60

<b>Route 3 (near ADK)</b>	<b>Length Surveyed</b>	<b>County</b>
	7.9 miles	St. Lawrence
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Phragmites	3	80

<b>Route 56</b>	<b>Length Surveyed</b>	<b>County</b>
	10.8 miles	St. Lawrence
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Japanese Knotweed	1	35
Phragmites	2	85
Purple Loosestrife	1	2

<b>Route 58</b>	<b>Length Surveyed</b>	<b>County</b>
	11.8 miles	St. Lawrence
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Japanese Knotweed	2	200
Phragmites	8	407

<b>Route 3 (Seaway Trail)</b>	<b>Length Surveyed</b>	<b>County</b>
		23.6 miles
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Swallow-wort	1	50
Phragmites	27	1286
Purple Loosestrife	10	55

<b>Route 180</b>	<b>Length Surveyed</b>	<b>County</b>
		5.2 miles
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Phragmites	3	44

<b>Route 12E</b>	<b>Length Surveyed</b>	<b>County</b>
		31.9 miles
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Phragmites	7	186
Purple Loosestrife	7	32

<b>Route 12</b>	<b>Length Surveyed</b>	<b>Counties</b>
		34.9 miles
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Japanese Knotweed	1	60
Phragmites	16	441
Purple Loosestrife	10	818

<b>Route 37</b>	<b>Length Surveyed</b>	<b>County</b>
		57.2 miles
<b>Species</b>	<b># of Occurrences</b>	<b>Estimated Total Roadside Length (ft)</b>
Swallow-wort	3	3500
Japanese Knotweed	12	641
Phragmites	128	11588
Purple Loosestrife	16	115

**Table 2:** Full invasive species occurrence data (*continued on subsequent pages*).

<b>Route 365</b>								
<b>ID</b>	<b>Species</b>	<b>Roadside Length</b>	<b>Side of Road</b>	<b>Lat</b>	<b>Long</b>	<b>Date</b>	<b>Width</b>	<b>Notes</b>
2	Purple Loosestrife	2'	South	43.27068673	-75.19966286	08/31/12		Single plant
3	Phragmites	50'	South	43.27082545	-75.19944593	08/31/12	Ditch	
4	Japanese Knotweed	10'	South	43.27188014	-75.19766126	08/31/12	10'	
5	Purple Loosestrife	12'	North	43.27585107	-75.19111717	08/31/12		Scattered single plants
7	Purple Loosestrife	5'	North	43.29147896	-75.17150285	08/31/12	5'	
8	Purple Loosestrife	75'	South	43.29300664	-75.16926086	08/31/12	Ditch	
9	Phragmites	10'	North	43.29629872	-75.16424848	08/31/12	10'	
10	Japanese Knotweed	30'	North	43.29757285	-75.16350509	08/31/12	10'	
11	Phragmites	100'	North	43.30097272	-75.16136611	08/31/12	Ditch	
12	Phragmites	35'	North	43.30672698	-75.14463642	08/31/12	40'	Mixed with other vegetation
13	Phragmites	100'	North	43.30709319	-75.14062861	08/31/12	Ditch	
14	Phragmites	40'	North	43.30742779	-75.13809426	08/31/12	30'	
15	Phragmites	30'	North	43.30746501	-75.1375895	08/31/12	10'	
16	Phragmites	150'	North	43.30803389	-75.13397078	08/31/12	Ditch	
17	Phragmites	North: 150' South: 175'	Both	43.30925488	-75.12867317	08/31/12	North: 40' South: 50'	
18	Japanese Knotweed	North: 60' South: 75'	Both	43.31195687	-75.11850265	08/31/12	North: 15' South: 25'	
19	Phragmites	5'	North	43.31211227	-75.11505785	08/31/12	Ditch	
20	Purple Loosestrife	2'	South	43.31202216	-75.11423903	08/31/12		Single plant
21	Purple Loosestrife	5'	North	43.31177104	-75.11132238	08/31/12	Ditch	
23	Japanese Knotweed	300'	South	43.31205125	-75.10998504	08/31/12		Along hillside, extends off Right-of-Way
24	Purple Loosestrife	75'	South	43.32797226	-75.10491491	08/31/12	25'	Possibly off Right-of-Way
25	Purple Loosestrife	2'	North	43.3294758	-75.1038655	08/31/12		Single plant
26	Phragmites	20'	North	43.33737382	-75.09742518	08/31/12	Ditch	
27	Phragmites	30'	North	43.34336897	-75.09351812	08/31/12	40'	Extends into wetland off Right-of-Way

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28	Japanese Knotweed	15'	North	43.34569311	-75.08071334	08/31/12	15'	
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Route 28								
ID	Species	Roadside Length	Side of Road	Lat	Long	Date	Width	Notes
29	Purple Loosestrife	30'	West	43.41884223	-75.22513018	08/31/12	Ditch	
30	Phragmites	30'	West	43.418882	-75.225129	08/31/12	Ditch	
32	Purple Loosestrife	30'	West	43.50757398	-75.15242605	08/31/12	Ditch	Possibly off Right-of-Way

Route 3 (near ADK)								
ID	Species	Roadside Length	Side of Road	Lat	Long	Date	Width	Notes
33	Phragmites	20'	North	44.21137556	-75.21753475	09/04/12	Ditch	
34	Phragmites	25'	North	44.21176767	-75.2169186	09/04/12	Ditch	
36	Phragmites	35'	North	44.22069716	-75.20055335	09/04/12	Ditch	

Route 58								
ID	Species	Roadside Length	Side of Road	Lat	Long	Date	Width	Notes
37	Phragmites	12'	South	44.31592405	-75.24488641	09/04/12	Ditch	
38	Phragmites	25'	North	44.3071171	-75.27345839	09/04/12	Ditch	Extends beyond Right-of-Way
39	Phragmites	60'	South	44.29678121	-75.28580233	09/04/12		Extends beyond Right-of-Way
40	Phragmites	50'	South	44.2963808	-75.28656668	09/04/12		Extends beyond Right-of-Way
41	Japanese Knotweed	50'	South	44.29630092	-75.30187044	09/04/12	Ditch	Additional 12' along hillside
42	Phragmites	60'	North	44.28200492	-75.3397983	09/04/12		Extends beyond Right-of-Way
43	Phragmites	20'	North	44.28167224	-75.34110529	09/04/12		
44	Phragmites	80'	North	44.28097914	-75.34500573	09/04/12	25'	Extends beyond Right-of-Way
45	Phragmites	100'	North	44.28042023	-75.34884598	09/04/12	20'	Extends beyond Right-of-Way
46	Japanese Knotweed	150'	South	44.27767483	-75.35751211	09/04/12	25'	Extends beyond Right-of-Way

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<b>Route 3 (Seaway Trail)</b>								
<b>ID</b>	<b>Species</b>	<b>Roadside Length</b>	<b>Side of Road</b>	<b>Lat</b>	<b>Long</b>	<b>Date</b>	<b>Width</b>	<b>Notes</b>
47	Purple Loosestrife	6'	West	43.68161137	-76.17525956	09/05/12		
48	Phragmites	12'	West	43.68479323	-76.17569718	09/05/12		
49	Purple Loosestrife	3'	West	43.68573938	-76.17578913	09/05/12		
51	Phragmites	75'	West	43.68895367	-76.17610848	09/05/12		Extends beyond Right-of-Way
52	Purple Loosestrife	3'	East	43.68904159	-76.17611652	09/05/12		
54	Purple Loosestrife	3'	West	43.72565593	-76.17630922	09/05/12		
55	Phragmites	100'	East	43.72691128	-76.17652338	09/05/12	Ditch	Several plants on west side of road
56	Purple Loosestrife	3'	West	43.73111942	-76.17697424	09/05/12		
57	Phragmites	50'	West	43.74106656	-76.18078851	09/05/12		
58	Phragmites	12'	West	43.75450401	-76.1939942	09/05/12	20'	Extends beyond Right-of-Way
59	Phragmites	100'	West	43.75535921	-76.19409001	09/05/12	35'	Extends beyond Right-of-Way
60	Purple Loosestrife	25'	East	43.75540799	-76.19409017	09/05/12		
61	Phragmites	60'	West	43.75917868	-76.19456132	09/05/12	35'	Extends beyond Right-of-Way
62	Phragmites	75'	West	43.76320031	-76.19591332	09/05/12	Ditch	
63	Phragmites	75'	West	43.76396365	-76.19597015	09/05/12	Ditch	
64	Phragmites	35'	West	43.76441737	-76.19599848	09/05/12	Ditch	
65	Phragmites	12'	East	43.77871782	-76.20068028	09/05/12		Extends beyond Right-of-Way
66	Phragmites	6'	West	43.7880576	-76.20007896	09/05/12		
67	Phragmites	12'	West	43.79473102	-76.20003873	09/05/12	12'	Extends beyond Right-of-Way
68	Phragmites	12'	East	43.80216217	-76.20041767	09/05/12		
69	Phragmites	35'	West	43.80321988	-76.19983613	09/05/12		Mostly off Right-of-Way
70	Purple Loosestrife	6'	West	43.80512274	-76.19912434	09/05/12		Three plants
71	Phragmites	65'	West	43.80822186	-76.19918679	09/05/12	12'	Extends beyond Right-of-Way

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72	Phragmites	50'	East	43.81490014	-76.20139391	09/05/12		
73	Phragmites	12'	East	43.81599474	-76.20176079	09/05/12		
74	Phragmites	65'	East	43.81730651	-76.20213462	09/05/12	25'	Extends beyond Right-of-Way
75	Purple Loosestrife	2'	East	43.81810949	-76.20215323	09/05/12		Single plant
76	Phragmites	6'	East	43.82045735	-76.20187352	09/05/12		
77	Phragmites	3'	West	43.82785765	-76.20097909	09/05/12		
78	Purple Loosestrife	2'	East	43.82916807	-76.20082126	09/05/12	2'	Single plant
79	Purple Loosestrife	2'	West	43.83171676	-76.20050007	09/05/12	2'	Single plant
81	Phragmites	65'	West	43.8895912	-76.13471956	09/05/12	Ditch	
82	Phragmites	50'	West	43.90507392	-76.11999884	09/05/12		Extends beyond Right-of-Way
83	Phragmites	12'	East	43.90736511	-76.11954865	09/05/12		Extends beyond Right-of-Way
84	Swallow-wort	50'	West	43.94563152	-76.09270812	09/05/12	25'	Extends beyond Right-of-Way
85	Phragmites	25'	East	43.94853786	-76.09009464	09/05/12		
86	Phragmites	50'	East	43.95360296	-76.07946832	09/05/12		Extends beyond Right-of-Way
87	Phragmites	East: 12' West: 200'	Both	43.95639229	-76.06126215	09/05/12	East: 12'	West: Extends far off Right of Way

### Route 180

ID	Species	Roadside Length	Side of Road	Lat	Long	Date	Width	Notes
88	Phragmites	12'	West	43.96343216	-76.0516865	09/05/12		Extends beyond Right-of-Way
89	Phragmites	20'	West	43.96652089	-76.04873749	09/05/12		
90	Phragmites	12'	West	43.97601969	-76.04724023	09/05/12		

### Route 12E

ID	Species	Roadside Length	Side of Road	Lat	Long	Date	Width	Notes
91	Phragmites	25'	West	44.03945636	-76.07440691	09/05/12	Ditch	
92	Phragmites	35'	West	44.04757013	-76.09281415	09/05/12	35'	Extends beyond Right-of-Way
93	Purple Loosestrife	3'	East	44.05351348	-76.10494461	09/05/12	3'	
94	Purple Loosestrife	12'	West	44.07399408	-76.14913727	09/05/12		

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95	Purple Loosestrife	2'	East	44.08103085	-76.2066932	09/05/12		Single plant
96	Phragmites	12'	East	44.08015863	-76.21351456	09/05/12	12'	
97	Purple Loosestrife	2'	West	44.11241949	-76.31703308	09/05/12	2'	Single plant
98	Purple Loosestrife	2'	West	44.11397324	-76.31962284	09/05/12		Single plant
100	Phragmites	12'	West	44.12086861	-76.33331643	09/05/12		
101	Phragmites	60'	North	44.15467182	-76.28909041	09/06/12	Ditch	
102	Purple Loosestrife	6'	North	44.15527658	-76.2878804	09/06/12		Possibly off Right-of-Way
103	Phragmites	12'	North	44.16404011	-76.2577001	09/06/12		
104	Purple Loosestrife	5'	South	44.16442115	-76.25691706	09/06/12		
105	Phragmites	30'	South	44.22809335	-76.10717369	09/06/12		

Route 12								
ID	Species	Roadside Length	Side of Road	Lat	Long	Date	Width	Notes
106	Purple Loosestrife	35'	North	44.24673052	-76.05521763	09/06/12		Sparse
107	Phragmites	50'	South	44.25676441	-76.01935146	09/06/12		
108	Phragmites	12'	North	44.26444357	-76.00682999	09/06/12		Sparse
109	Phragmites	25'	North	44.27586266	-75.99769522	09/06/12		
110	Phragmites	12'	South	44.27622576	-75.99736397	09/06/12		
112	Phragmites	50'	North	44.28257053	-75.98803793	09/06/12		
113	Japanese Knotweed	60'	South	44.30427731	-75.95216347	09/06/12		Extends beyond Right-of-Way
115	Purple Loosestrife	2'	North	44.30557986	-75.95056152	09/06/12	2'	Single plant
118	Purple Loosestrife	100'	South	44.32220411	-75.92593121	09/06/12	Ditch	
119	Purple Loosestrife	5'	North	44.32250652	-75.92545956	09/06/12	Ditch	
120	Purple Loosestrife	25'	South	44.32262387	-75.9252734	09/06/12	Ditch	
122	Purple Loosestrife	12'	North	44.32418089	-75.92335646	09/06/12		
123	Purple Loosestrife	35'	North	44.32660913	-75.92052539	09/06/12		Extends beyond Right-of-Way
125m	Purple Loosestrife	600'	South	44.328798	-75.918015	09/06/12		Measured with Google Earth
126	Phragmites	12'	South	44.33217488	-75.91378768	09/06/12		

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127	Phragmites	12'	North	44.33344197	-75.91000644	09/06/12		
128	Phragmites	50'	North	44.33414589	-75.90745767	09/06/12		Extends beyond Right-of-Way
129	Phragmites	50'	North	44.34508787	-75.87771264	09/06/12		
130	<i>Phragmites</i>	35'	North	44.34682955	-75.8686523	09/06/12		
131	<i>Phragmites</i>	12'	South	44.37230442	-75.83466779	09/06/12	12'	
132	<i>Phragmites</i>	25'	North	44.37513155	-75.83165668	09/06/12		
133	<i>Phragmites</i>	60'	North	44.3762502	-75.83064289	09/06/12		Extends beyond Right-of-Way
134	Purple Loosestrife	2'	North	44.380516	-75.827689	09/06/12		
135	Phragmites	12'	North	44.41038382	-75.78700779	09/06/12		
136	Phragmites	12'	North	44.41063763	-75.7866322	09/06/12		
137	Phragmites	12'	South	44.47702012	-75.76884991	09/06/12		
138	Purple Loosestrife	2'	North	44.539375	-75.715655	09/06/12		

Route 37								
ID	Species	Roadside Length	Side of Road	Lat	Long	Date	Width	Notes
140	Phragmites	25'	South	44.57796413	-75.64148052	09/06/12		
144	Swallow-wort	100'	North	44.64041233	-75.57086374	09/06/12		
146m	Swallow-wort	1100'	North	44.635781	-75.577074	09/06/12		Measured with Google Earth
148m	Swallow-wort	2300'	South	44.636571	-75.575625	09/06/12		Measured with Google Earth
149	Phragmites	25'	North	44.64501006	-75.56448846	09/06/12		
150	Japanese Knotweed	25'	North	44.64530418	-75.56406065	09/06/12		
151	<i>Phragmites</i>	20'	South	44.65184625	-75.55532763	09/07/12		
152	<i>Phragmites</i>	12'	South	44.65457113	-75.55185316	09/07/12		Extends beyond Right-of-Way
153	<i>Phragmites</i>	12'	South	44.65471152	-75.55160263	09/07/12		
154	Japanese Knotweed	35'	South	44.66050417	-75.54439385	09/07/12		
155	Japanese Knotweed	100'	North	44.67137567	-75.53049188	09/07/12		
156	Japanese Knotweed	12'	South	44.67382469	-75.52744338	09/07/12		
157	Japanese Knotweed	60'	North	44.67920856	-75.50106478	09/07/12		Mostly off Right-of-Way

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158	Phragmites	60'	South	44.68795826	-75.47878627	09/07/12	
159	Phragmites	50'	North	44.68950866	-75.47576794	09/07/12	
160	<i>Phragmites</i>	60'	South	44.69468675	-75.46899461	09/07/12	
161	Phragmites	35'	South	44.69966535	-75.46288689	09/07/12	
163m	Phragmites	1300'	South	44.703481	-75.458146	09/07/12	Measured with Google Earth
165m	Phragmites	700'	South	44.706297	-75.454695	09/07/12	Measured with Google Earth
171m	Phragmites	1750'	South	44.710089	-75.451593	09/07/12	Measured with Google Earth
172	Phragmites	50'	South	44.71827728	-75.44539268	09/07/12	
173	Phragmites	12'	South	44.71894154	-75.44428753	09/07/12	
174	Phragmites	75'	South	44.719165	-75.44381747	09/07/12	
175	Phragmites	150'	North	44.72013655	-75.44158772	09/07/12	
176	Phragmites	100'	North	44.72141395	-75.43858708	09/07/12	
177	Purple Loosestrife	3'	South	44.75570323	-75.39175655	09/07/12	
178	Purple Loosestrife	6'	South	44.75601219	-75.39121147	09/07/12	
179	Purple Loosestrife	3'	South	44.75684786	-75.38955236	09/07/12	
180	Purple Loosestrife	8'	South	44.76337401	-75.37737831	09/07/12	
181	Japanese Knotweed	12'	North	44.77121905	-75.3659024	09/07/12	
182	Phragmites	125'	South	44.79514796	-75.34073255	09/07/12	Mostly off Right-of-Way
183	Japanese Knotweed	25'	South	44.80459546	-75.32170471	09/07/12	
184	Purple Loosestrife	35'	South	44.83222439	-75.27006347	09/07/12	
185	Purple Loosestrife	6'	South	44.83341353	-75.26784754	09/07/12	
186	Phragmites	115'	North	44.8366528	-75.26113842	09/07/12	Extends beyond Right-of-Way
187	Phragmites	150'	North	44.84027144	-75.25337686	09/07/12	Extends beyond Right-of-Way
188	Phragmites	25'	South	44.84703194	-75.23874667	09/07/12	Extends beyond Right-of-Way
189	Phragmites	6'	South	44.85485679	-75.22215888	09/07/12	
190	<i>Phragmites</i>	6'	South	44.85503884	-75.22170919	09/07/12	
191	<i>Phragmites</i>	12'	North	44.85587435	-75.22007665	09/07/12	
192	Phragmites	12'	South	44.86635148	-75.19387054	09/07/12	Sparse

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193	Phragmites	25'	South	44.86998796	-75.18788226	09/07/12		Extends beyond Right-of-Way
194	Phragmites	12'	North	44.87353753	-75.16733662	09/07/12		
195	Phragmites	50'	North	44.87317669	-75.16599996	09/07/12		
196	Phragmites	North: 250' South: 25'	Both	44.88871238	-75.13287661	09/07/12		
198m	Phragmites	375'	South	44.888566	-75.12526	09/07/12		Measured with Google Earth
199	Phragmites	12'	North	44.89028064	-75.1118154	09/07/12		
200	Phragmites	12'	North	44.89230478	-75.10820741	09/07/12		
201	Phragmites	20'	North	44.89277693	-75.10774381	09/07/12		
202	Phragmites	50'	South	44.89367195	-75.10675566	09/07/12		
203	Phragmites	6'	North	44.89656773	-75.09670928	09/07/12		
203a	Purple Loosestrife	6'	North	44.896575	-75.096659	09/07/12		
204	Purple Loosestrife	3'	North	44.90051586	-75.06748008	09/07/12		Possibly off Right-of-Way
205	Purple Loosestrife	3'	North	44.90101157	-75.06473215	09/07/12		
206	Phragmites	12'	South	44.90193659	-75.06050759	09/07/12		
207	Phragmites	75'	South	44.90241285	-75.05818991	09/07/12		
208	Phragmites	25'	North	44.90386401	-75.05168354	09/07/12		Extends beyond Right-of-Way
209	Phragmites	25'	North	44.90582764	-75.04254039	09/07/12		Extends beyond Right-of-Way
210	Phragmites	35'	North	44.90628663	-75.0402834	09/07/12		
212	Phragmites	50'	North	44.90995808	-75.0232714	09/07/12		
213	Phragmites	12'	South	44.91088268	-75.01912454	09/07/12		
214	Phragmites	12'	North	44.91504547	-74.99973971	09/07/12		
215	Phragmites	12'	South	44.91752509	-74.98833169	09/07/12		
216	Purple Loosestrife	3'	South	44.91891087	-74.98182834	09/07/12		
217	Phragmites	25'	North	44.92132067	-74.97075115	09/07/12		
218	Phragmites	12'	North	44.92167162	-74.96907318	09/07/12		
219	Phragmites	50'	North	44.92179416	-74.96848494	09/07/12		
220	Phragmites	20'	North	44.9220364	-74.96722807	09/07/12		
221	Phragmites	5'	South	44.92208309	-74.96697804	09/07/12		

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222	Phragmites	35'	North	44.92224192	-74.96630715	09/07/12		
223	Phragmites	25'	North	44.9223881	-74.96563794	09/07/12		
224	Phragmites	12'	North	44.92332528	-74.96117701	09/07/12		
225	Phragmites	25'	North	44.92404638	-74.95686729	09/07/12		
226	Japanese Knotweed	100'	South	44.92421737	-74.9528625	09/07/12		
227	Phragmites	25'	North	44.92375159	-74.94598003	09/07/12		
228	Phragmites	25'	South	44.92359107	-74.9440972	09/07/12		
229	Purple Loosestrife	2'	South	44.92330827	-74.94060731	09/07/12		
230	Phragmites	20'	South	44.92306679	-74.9373828	09/07/12		
231	Phragmites	50'	North	44.9226554	-74.93114448	09/07/12		
232	Japanese Knotweed	10'	South	44.92245734	-74.92815617	09/07/12		
233	Phragmites	50'	North	44.92223145	-74.92424366	09/07/12		
237	Phragmites	25'	South	44.91970355	-74.8982264	09/07/12		
238	Phragmites	25'	South	44.91992894	-74.89774536	09/07/12		
239	Phragmites	25'	South	44.92060251	-74.89626034	09/07/12		
240	Phragmites	35'	North	44.92297081	-74.88560468	09/07/12		
241	Japanese Knotweed	12'	North	44.92294818	-74.88567341	09/07/12		
242	Phragmites	50'	North	44.92229003	-74.88825504	09/07/12		
243	Phragmites	125'	North	44.92170422	-74.89211692	09/07/12		
244	Purple Loosestrife	3'	North	44.91780982	-74.90829349	09/07/12		
245	Purple Loosestrife	4'	North	44.92031819	-74.91417699	09/07/12		
246	Phragmites	25'	South	44.92498574	-74.87958555	09/10/12		
247	Phragmites	25'	South	44.92570926	-74.87769837	09/10/12		
248	Phragmites	35'	South	44.92593398	-74.877117	09/10/12		
249	Phragmites	100'	South	44.92612987	-74.87660889	09/10/12		
250	Phragmites	35'	South	44.92958439	-74.87065338	09/10/12		
251	Phragmites	35'	South	44.93019383	-74.86997863	09/10/12		
252	Phragmites	50'	South	44.930625	-74.8694924	09/10/12		

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253	Japanese Knotweed	125'	South	44.93857456	-74.86832136	09/10/12		Extends onto hillside
254	Phragmites	12'	South	44.93997132	-74.86776581	09/10/12		
255	Purple Loosestrife	2'	South	44.94282511	-74.86364485	09/10/12		
256	Phragmites	25'	South	44.94524044	-74.86000341	09/10/12		
257	Phragmites	25'	South	44.94585953	-74.85907076	09/10/12		
258	Phragmites	100'	South	44.94938076	-74.84981253	09/10/12		
259	Phragmites	12'	South	44.95031334	-74.84648156	09/10/12		
260	Phragmites	12'	South	44.95054686	-74.84564748	09/10/12		
261	Phragmites	25'	South	44.95080292	-74.84466042	09/10/12		
262	Phragmites	50'	South	44.95147867	-74.84091765	09/10/12		
263	Phragmites	35'	South	44.95162343	-74.83957194	09/10/12		
264	Purple Loosestrife	25'	South	44.95181613	-74.82076077	09/10/12		
265	Phragmites	50'	South	44.95241325	-74.8144709	09/10/12		
266	Phragmites	75'	South	44.95360189	-74.80449468	09/10/12		
267	Phragmites	12'	Median	44.96890959	-74.76003547	09/10/12	12'	
268	Phragmites	25'	South	44.97163807	-74.75504355	09/10/12		
269	Phragmites	50'	South	44.97308085	-74.7491763	09/10/12		
270	Phragmites	25'	Median	44.97608962	-74.74455334	09/10/12		
271	Phragmites	35'	Median	44.97996725	-74.72896937	09/10/12		
272	Phragmites	25'	Median	44.97989927	-74.72759499	09/10/12		
273	Phragmites	12'	Median	44.97983004	-74.72621533	09/10/12		
274	Phragmites	35'	Median	44.97971303	-74.72368844	09/10/12		Outside PRISM
275	Phragmites	75'	South	44.979593	-74.72180653	09/10/12		Outside PRISM
276	Phragmites	60'	South	44.97935747	-74.72004893	09/10/12		Outside PRISM
277	Phragmites	25'	South	44.97900618	-74.71848437	09/10/12		Outside PRISM
278	Phragmites	125'	North	44.9795272	-74.72069836	09/10/12		Outside PRISM
281m	Phragmites	1950'	North	44.979926	-74.726474	09/10/12		Measured with Google Earth
282	Phragmites	125'	North	44.97872958	-74.73734239	09/10/12	60'	

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<b>283m</b>	Phragmites	850'	North	44.978108	-74.740278	09/10/12		Measured with Google Earth
<b>284</b>	Phragmites	25'	North	44.9766051	-74.74467555	09/10/12		
<b>285</b>	Phragmites	25'	Median	44.97180101	-74.75586019	09/10/12		
<b>286</b>	Phragmites	25'	Median	44.96889149	-74.76084173	09/10/12		
<b>287</b>	Phragmites	25'	North	44.96459568	-74.76803776	09/10/12		
<b>288</b>	Phragmites	12'	Median	44.95978656	-74.78567119	09/10/12		
<b>289</b>	Phragmites	75'	Median	44.95572008	-74.79807473	09/10/12		
<b>290</b>	Phragmites	25'	North	44.95428669	-74.80289826	09/10/12		
<b>291</b>	Phragmites	35'	Median	44.95417379	-74.80343604	09/10/12		
<b>292</b>	Phragmites	12'	Median	44.95314198	-74.81091061	09/10/12		
<b>293</b>	Phragmites	12'	Median	44.95282355	-74.81423235	09/10/12		
<b>294</b>	Phragmites	12'	Median	44.95263009	-74.81633789	09/10/12		
<b>295</b>	Phragmites	50'	Median	44.95252867	-74.81744673	09/10/12		
<b>296</b>	Phragmites	Median: 25' North: 25'	Median & North	44.95158931	-74.82743025	09/10/12		
<b>297</b>	Phragmites	12'	Median	44.95165159	-74.83229351	09/10/12		
<b>298</b>	Phragmites	12'	Median	44.95179148	-74.83405648	09/10/12		
<b>299</b>	Phragmites	12'	Median	44.9521043	-74.83733581	09/10/12		
<b>300</b>	Phragmites	12'	Median	44.95222248	-74.83867491	09/10/12		
<b>301</b>	Phragmites	12'	Median	44.9520494	-74.8421109	09/10/12	50'	
<b>302</b>	Phragmites	12'	Median	44.95101037	-74.8449579	09/10/12		
<b>303</b>	Phragmites	12'	Median	44.95027126	-74.84734473	09/10/12		
<b>304</b>	Phragmites	35'	Median	44.95015039	-74.84776525	09/10/12		
<b>305</b>	Phragmites	75'	Median	44.94993724	-74.84851677	09/10/12		
<b>306</b>	Phragmites	6'	Median	44.94831811	-74.85425091	09/10/12		
<b>307</b>	Phragmites	35'	North	44.93827751	-74.86875211	09/10/12		
<b>308</b>	Phragmites	35'	Median	44.93134165	-74.86902796	09/10/12		
<b>309</b>	Japanese Knotweed	125'	North	44.9294206	-74.87119644	09/10/12		
<b>310</b>	Phragmites	25'	North	44.92821629	-74.87264617	09/10/12		

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311	Phragmites	25'	North	44.92799995	-74.87297106	09/10/12		
312	Phragmites	12'	North	44.92595284	-74.87764305	09/10/12		
313	Phragmites	25'	North	44.92544431	-74.87897024	09/10/12		
314	Phragmites	12'	Median	44.92441141	-74.88165873	09/10/12		
315	Phragmites	60'	Median	44.92384865	-74.88312783	09/10/12		
316	Purple Loosestrife	3'	North	44.923118	-74.88506354	09/10/12		

<b>Route 56</b>								
<b>ID</b>	<b>Species</b>	<b>Roadside Length</b>	<b>Side of Road</b>	<b>Lat</b>	<b>Long</b>	<b>Date</b>	<b>Width</b>	<b>Notes</b>
318	Purple Loosestrife	2'	West	44.56597332	-74.95839707	09/10/12		
319	Phragmites	50'	West	44.54964269	-74.93549628	09/10/12		Extends beyond Right-of-Way
321	Phragmites	35'	East	44.53843013	-74.92517129	09/10/12		
322	Japanese Knotweed	35'	East	44.5137772	-74.90600506	09/10/12		

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