



Hemlock Woolly Adelgid Survey Report

Winter 2022-2023



Summary

Each year during the winter months, when hemlock woolly adelgid (HWA) egg masses are most visible, SLELO PRISM field representatives search Highly Probable Areas (HPAs) for the presence/absence of HWA. Hemlock trees are inspected visually and data is recorded using Survey123.

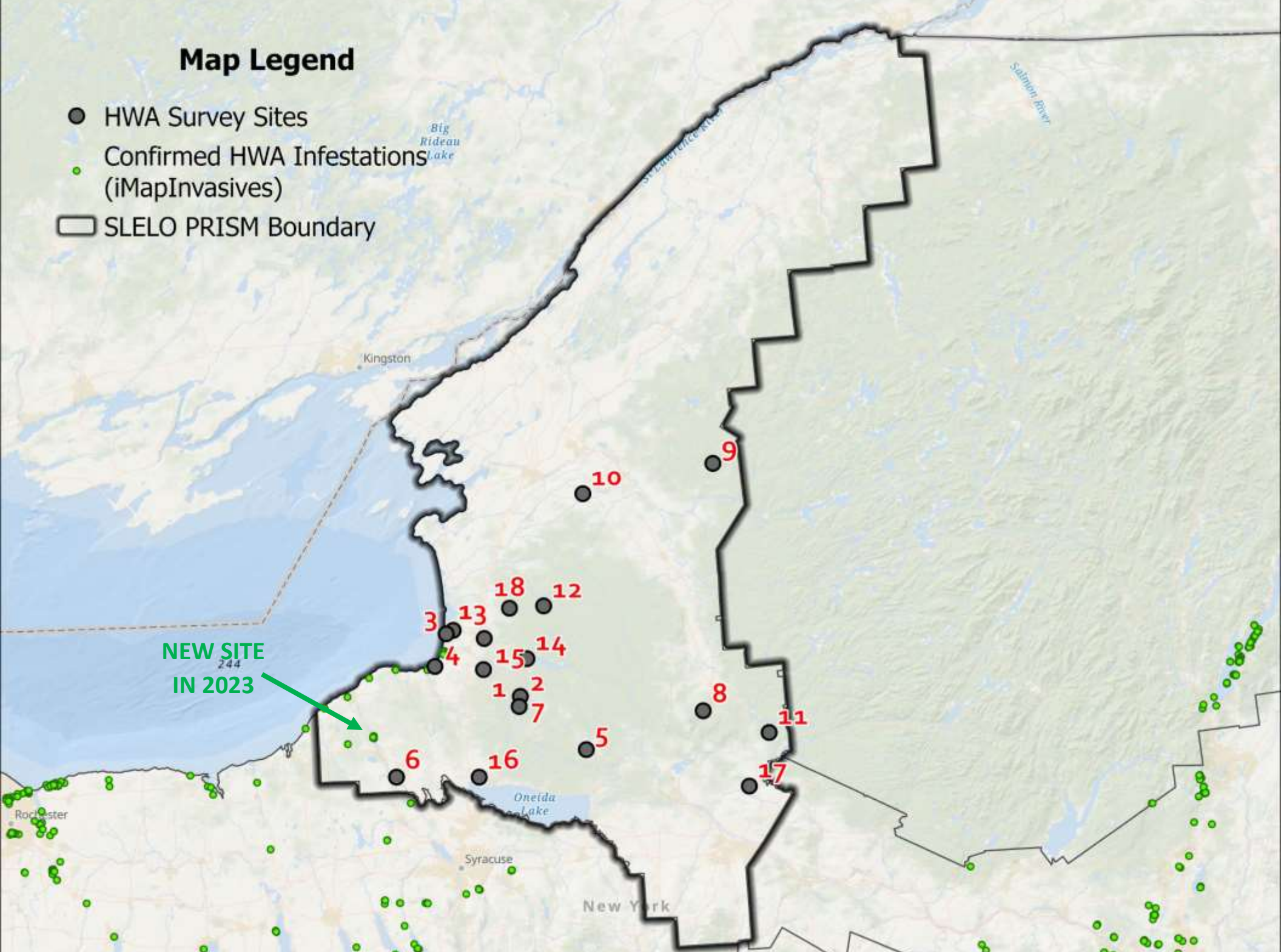
SLELO PRISM staff completed hemlock woolly adelgid (HWA) surveys at 18 properties between January and April 2023. Approximately 500-acres of 33 highly probable areas (HPAs) were surveyed for signs or symptoms of HWA. No HWA was detected by SLELO staff in 2023 (Table 1); however, a new infestation of HWA was detected in the SLELO region by NYS Parks staff at Battle Island State Park (Map 1). Needleminers, moth larvae that feed inside conifer needles, were found at 9 sites and tip blight, caused by the fungus *Diplodia pinea*, was found at 9 sites.

Table 1. Summary of SLELO HWA surveys in 2023.

Map Label	Site Name	Date of Survey	HPAs Surveyed	Avg. HWA Density	% of Surveyed Trees Infested	Average Crown Density	Needleminer Present	Tip Blight Present
1	Altmar State Forest	3/7/2023	1	No HWA Detected	0	81-100%	Yes	Yes
2	Deer Creek WMA	3/15/2023	1	No HWA Detected	0	81-100%	Yes	Yes
3	Derby Hill Bird Observatory	3/21/2023	1	No HWA Detected	0	81-100%	No	No
4	Forest Park	2/10/2023	3	No HWA Detected	0	81-100%	No	No
5	Frank E Jadwin Memorial State Forest	3/27/2023	3	No HWA Detected	0	81-100%	No	Yes
6	Great Bear Recreational Area	4/6/2023	1	No HWA Detected	0	81-100%	Yes	No
7	Happy Valley WMA	4/19/2023	5	No HWA Detected	0	81-100%	No	No
8	Jackson Hill State Forest	3/28/2023	1	No HWA Detected	0	81-100%	Yes	Yes
9	Joseph Blake Wildlife Sanctuary	1/16/2023	1	No HWA Detected	0	81-100%	No	No
10	Lake Julia Preserve	1/24/2023	2	No HWA Detected	0	81-100%	Yes	Yes
11	Little John WMA	3/8/2023	2	No HWA Detected	0	81-100%	Yes	Yes
12	Rainbow Shores Preserve	1/3/2023	2	No HWA Detected	0	81-100%	Yes	Yes
13	Salmon River Falls	3/16/2023	1	No HWA Detected	0	81-100%	No	No
14	Sandy Creek State Forest	3/8/2023	1	No HWA Detected	0	81-100%	No	No
15	Three Mile Bay WMA	4/19/2023	1	No HWA Detected	0	81-100%	No	No
16	Trenton Greenbelt	1/27/2023	3	No HWA Detected	0	81-100%	No	No
17	Winona State Forest	3/1/2023	1	No HWA Detected	0	81-100%	Yes	Yes
18	Zerbe Camp - Oswego County	1/11/2023	1	No HWA Detected	0	81-100%	Yes	Yes

Map Legend

- HWA Survey Sites
- Confirmed HWA Infestations (iMapInvasives)
- SLELO PRISM Boundary



Map 1. Known HWA infestations in New York from iMapInvasives (green points) and locations surveyed by SLELO staff in 2023 (gray points).