**HWA Lake Survey May/June 2019**

**Date**:6.12.2019

**Survey Team:** Kristopher Williams and Gwendolyn Temple

**Project Description:** As part of supporting the Cornell Hemlock Initiative, the Capital Mohawk PRISM has surveyed the South Bay, the Southern Portion of Lake Champlain in Washington County, New York. This survey is part of the HWA Lake Survey program that Carri Marschner has coordinated with several partner agencies.

* <https://blogs.cornell.edu/nyshemlockinitiative/>
* [Hemlock Initiative Boat Survey Protocol](https://cpb-us-e1.wpmucdn.com/blogs.cornell.edu/dist/f/7151/files/2016/12/Hemlock-and-HWA-Hunters_Boat_Protocol-1ayhgai.pdf)

**Location:** DEC Launch 23 Co Rd 7A, Whitehall, NY 12887 (Just Off Route 22 when crossing the South Bay Bridge)

**Point of Contact:** Caroline (Carri) Marschner

NYS Hemlock Initiative, Cornell University

[cam369@cornell.edu](mailto:cam369@cornell.edu) 360-915-4778

**Introduction:** The Hemlock Initiative has designed a program to survey for HWA surrounding the southern portion of the Adirondack Blue Line in upstate New York. This program is in its pilot year and is seeking to slow the spread of HWA with early identification. The Capital Mohawk PRISM will conduct surveys at the following locations:

1. Moreau State Park Lake, Lake Bonita, and Hudson River Corridor (Saratoga County)

* <https://www.dec.ny.gov/outdoor/84524.html>
* <https://parks.ny.gov/parks/attachments/MoreauLakeMoreauLakeStateParkLakeBonitaTrailMap.pdf>

1. Butler and Rush Pond (Warren County)

* Butler Pond Watershed is located near Rush Pond
* <https://www.queensbury.net/2015/11/rush-pond-trail/>

1. South Bay (Washington County)

* <https://www.dec.ny.gov/outdoor/53108.html>

1. Rockwood Lake State Forest

* <https://www.dec.ny.gov/lands/107041.html>

**Invasive Species Survey: South Bay**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Common Name | Scientific Name | Locations (GPS) | Survey Type | Status | Time/Survey |
| TiHemlock Woolly Adelgid (HWA) | Adelges tsugae | 43.5753, -73.4369 | Early Detection  HWA Boat Survey | No Detection  No Damage | 240 min Bay |

**Findings and Recommendations: No detection as of June 12th, 2019**

**South Bay:** Approximately 7 miles of shoreline were surveyed on June 12th for HWA while surveying for aquatic invasive species. This waterbody is not a good location for HWA lake surveys as hemlock trees accounted for less than 5% of the forest composition. The northeastern forest surrounding the lake is predominantly made of pine and oak and the few hemlocks that are present are on the southeastern shore. All hemlock trees observed had new bud growth and were in good health. The northwestern shore was dominated by cedar trees primarily. A round-trip loop in this section is approximately 7-8 miles and the survey itself was completed in less than 3 hours. South Bay is unlike the surrounding shores of Lake George which are dominated by hemlocks on the eastern flank.



