



Hemlock Woolly Adelgid Survey Form

Date:		Name/email/phone:	
Location of Survey (Address, Town):		Land Ownership of Location: __ State Parks __ DEC State Forest __ Other: _____	
Hemlocks Present? __Yes __No	# Trees Surveyed:	Description of area (Gorge, hillside, field edge, residential, etc.):	
HWA Present? __Yes __No	# Branches Checked:	Hemlock stand description:	
% trees with HWA:	Notes:		

NOTE: At least one GPS point should be taken at survey location whether survey is positive or negative. Record GPS point below. Decimal Degrees (ddd.ddddd°) or Degrees Minutes Seconds (DCM) (d°,d',d").

Keys for HWA Infestation Density and Foliage Transparency Ratings are on the other side.

Observation waypoint for tree (GPS North/West):	HWA Infestation Density Rating (0-1):	Foliage Transparency Rating (1-5):	Notes (presence of other environmental stresses/pests):
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			

Observation waypoint for tree (GPS North/West):	HWA Infestation Density Rating (0-1):	Foliage Transparency Rating (1-5):	Notes (presence of other environmental stresses/pests):
18			
19			
20			
21			
22			
23			
24			
25			

HWA Density = # of egg sacs on end branchlets (last 3.5 inches of single branch)

0 - No HWA detected

1 - less than 5 egg sacs per branchlet

2 - Between 5-10 egg sacs per branchlet

3 - Between 11-20 egg sacs per branchlet

4 - Over 20 egg sacs per branchlet

Foliage Transparency Rating 1-5: (*Stand under tree canopy and look up to determine rate*)

1 – Foliage is healthy, bright and shiny green (5-15% transparent, **please see diagram below**)

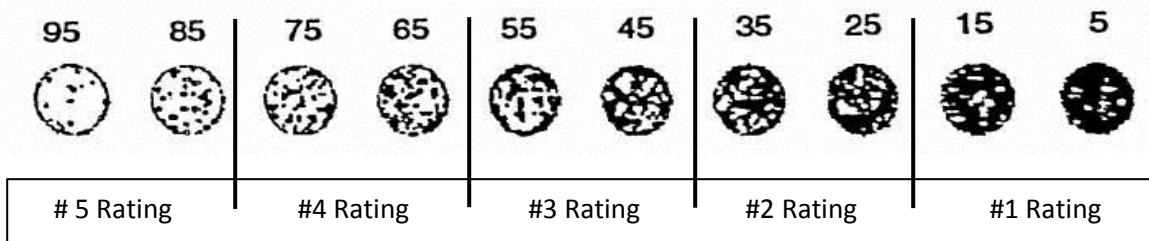
2 – Foliage is starting to thin, most of the canopy in good color (25-35% transparent)

3 – Foliage is thinning, lower branches sickly looking (45-55% transparent)

4 – Foliage is thin and gray (65-75% transparent)

5 – Foliage is thin to sparse (85-95% transparent)

Foliage Transparency Scale



Report observations via iMapinvasives.org online or using the mobile app for iPhone/Android:

To Request a Free Account, contact: Colleen Lutz, iMapInvasives@dec.ny.gov, 518-402-8913

(Tell her you are reporting for the NYS Hemlock Initiative)

You can also email or mail your completed form and photos to:

New York State Hemlock Initiative: NYShemlockinitiative@cornell.edu

Department of Natural Resources, Cornell University, 111 Fernow Hall, Ithaca, NY 14853

Please contact the NYS Hemlock Initiative if you have questions or would like additional info.

Thank you for helping keep the legacy alive!