HEMLOCK WOOLLY ADELGID DATA

SHEET WITH INSTRUCTIONS



Ecosystem Investigation Network

Team Name:	Date:Time:	
Coordinates (Decimal Degrees):		
Latitude:Long	itude:	
Materials		
 For the whole group: Flagging tape 1 measuring stick or measuring tape (optional) 	 For each fieldwork team: Datasheet Species ID card for eastern hemlock Species ID card for balsam fir Species ID card for hemlock woolly adelgid Species ID card for elongate hemlock scale Camera (smartphone camera is fine) Clipboard and pencils 	
Protocols The instructions in this column specify how to answer the questions on the right-hand side of the page.	Data and Photos to Collect Questions are required unless otherwise marked. Each question has a " " beside it to help you track your progress.	
 Find a hemlock tree to examine closely Record the habitat 	 Habitat (Circle one): In a forest In a developed area 	
3. Check with another fieldwork team to make sure your tree is a hemlock, peer reviewing the tree identification.	 We shared at least three pieces of evidence we used to identify the tree as eastern hemlock. The other team has correctly identified an eastern hemlock tree 	
4. Take four pictures of the tree that show the tree is an eastern hemlock.	 Clear photo taken of entire tree Close up taken of the trunk Clear photo taken of the underside of the needle Clear photo taken of the attachment of the needle to the branch 	

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5. Mark your tree with flagging tape	Tree flagged and labeled.			
Branches				
 6. Search 10 unique branches that are at least 1 meter long. Each unique branch should start at the trunk. If you cannot reach 10 branches, check as many branches as you can reach. 7. For each branch, record whether you found or did not find hemlock woolly adelgid. 	Branch (1m) 1 2 3 4 5 6 7 8 8 9 10	Hemlock woolly adelgid present? (Circle one):Found / Not Found / Can't reachFound / Not Found / Can't reach		
 8. If you think you found hemlock woolly adelgid, check with another field team, peer reviewing your identification. Take 3 clear photos to show that you found hemlock woolly adelgid Summary 9. Record the total number of branches that you searched for hemlock woolly adelgid. 	to D Th ac	le shared 3 pieces of evidence we used identify hemlock woolly adelgid. hree clear photos of hemlock woolly delgid taken. umber of branches surveyed:		
10. Record the total number of branches with hemlock woolly adelgid.	D N	umber of branches infested:		

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11. Record whether hemlock woolly adelgid was found on the tree.	 Did you find hemlock woolly adelgid? (Circle one): Found Not found
Field Notes	
If you think you found elongate hemlock scale wri	
Checklist	
I certify that I: Checked at least 10 branches, or as many as I could reach. completed peer review in the field	 Checklist complete? (Circle one): Yes No Signature: