



Names

Environmental Science
Team Hemlock Report
Fall 2020

Introduction and Background Information

- Microenvironment/Habitat
- What animals depend on the hemlock tree
- Why they are a keystone species
 - What is the HWA?
 - How is it spreading throughout the United States?
 - What effect is it having on the forests of New England?

Connection Circle

- Recreate the connection circle developed earlier in the unit about the HWA's effect on the New England forest.
- Include your solution
- Include a brief explanation of the diagram

Dilemma

- Describe the situation and setting on the Orpen property
- How many trees?
- Include responses to our questions from Mr. Orpen
- Include tree images and crown health ratings

Recommendations

- Based on your team's research, what steps do you recommend Mr. Orpen take on his property?
- If making a chemical treatment recommendation, which one and why? How should he apply it and at what time of year? How expensive might it be?
- If making a biocontrol recommendation, how expensive might it be and where could he purchase the insects?
- If horticultural oils/sprays are recommended, which ones, how should they be applied and at what time of year?
- What other recommendations/steps do you have? (Fertilizers? Bird feeders? Other tips you read about?)

Citations

- List the articles and websites you used for research