

Alien Invaders Web Quest Guide

Section I

A. Research at least 4 of the following invasive species using the Web sites listed below.

Balsam Woolly Adelgid

Brown Tree Snake

Chinese Tallow

Flathead Catfish

Green Crab

Hydrilla

Leafy Spurge

Miconia

Purple Loosestrife

Rosy Wolfsnail

Tamarisk

Zebra Mussel

B. Analyze how each invasive species affects the food web in their ecosystem.

C. Describe the function each invasive species plays in its biome.

D. Explain how the number and types of organisms an ecosystem can support is affected by each invasive species.

Web Sites

Who Are They? "America's Least Wanted" The Dirty Dozen

<http://www.abi.org/publications/leastwanted/dd.html>

Some Non indigenous Aquatic Species of Concern

<http://www.anstaskforce.gov/species.htm>

Exotic Introductions

<http://darwin.bio.uci.edu/~sustain/bio65/lec09/b65lec09.htm>

Scientific American: Explore! Costly Interlopers

<http://www.sciam.com/explorations/1999/021599animals/index.html>

Environment News: Alien Species Cost U.S. \$123 Billion a Year

<http://ens.lycos.com/ens/jan99/1999L-01-25-05.html>

Section II

Using the Web site below, compare how different invasive species get into non-native ecosystems.

Web Site

How Do They Get Here?: Pathways of Invasion

<http://scorescience.humboldt.k12.ca.us/fast/teachers/Invaders/gethere.htm>

Section III

Using the Web site below, propose ways people can help stop the introduction of invasive species into non-native ecosystems.

Web Site

What Can We Do to Help?: Problems with release of Exotic Fish

http://nas.er.usgs.gov/fishes/dont_rel.htm

Show Your Stuff (all Sections)

Prepare a multimedia presentation (such as PowerPoint) for the Invasive Species Council that uses convincing evidence supported by real data. Include the following elements:

1. Clearly state your position on the issue
2. Use examples and evidence you found in your research to persuade your audience
3. Include a bibliography of sources used
4. Anticipate and address audience concerns and counter arguments