

# INVASIVE SPECIES

## Annotated Bibliography of K-12 Educational Resources

Wisconsin Center for Environmental Education (06/09)

*The following list consists of selected resources on the general topic of Invasive Species. All materials are available for loan at the WCEE Resources Library. Many more resources are available on this and other topics, and there are many resources for specific species, such as cane toads, plants, etc. Please call or visit the WCEE for assistance or visit our web site at [www.uwsp.edu/wcee/library](http://www.uwsp.edu/wcee/library) for additional information on borrowing resources.*

### Teaching Activity Guides

#### **Exotic Species Compendium of Activities to Protect the Ecosystem (ESCAPE)** by

Illinois/Indiana Sea Grant, Urbana, IL. (2001).

*This compendium, developed by classroom and informal educators, contains activities and materials designed to educate students about invasive species. It includes lesson plans, activity sheets for students, a video and CD ROM, posters and games, and sample zebra mussel shells.*

*Grade levels: K-12      Length: 36+ activities      WCEE call number: AC BC AQ 55*

#### **See Cella Chow! A Purple Loosestrife Biological Control Manual for Educators** by Brock

Wood and Derek Strohl, Wisconsin Department of Natural Resources, Wisconsin Wetlands Association. (2003).

*This is a curriculum guide aimed at 6-12 graders. This is meant to be used in Wisconsin and could be used as a supplement to any invasive species unit. Each lesson plan is designed for each grades that addresses objectives, time requirement, and Wisconsin Model Environmental Education – Science Standards. Very diverse array of hands-on activities and well written curriculum guide.*

*Grade levels: 4-12      Length: 15 activities, 111 pages      WCEE call number: AC ECO 57*

### Videos

#### **Cane Toads: An Unnatural History** by Mark Lewis, First Run Features/New York. (2001).

*Humorous documentary about cane toads, an invasive species in Australia. The toads were imported from Hawaii in the 1930's to help get rid of the cane beetle. The plan failed, and the cane toad population soared. Despite the trouble they cause, the animal has a cult following in Australia.*

*Grade levels: 5-12      Length: 65 minutes      WCEE call number: AV DVD WLA 1*

#### **Emerald Ash Borer: The Green Menace** (2006).

*This informative video covers a dangerous invasive species that is currently threatening the Eastern 2/3 of the U.S. It focuses on the state of Michigan, where the emerald ash borer has already wrecked havoc on the ash population. It also shows the efforts underway to stop the spread of such a dangerous insect. A helpful tool in conjunction with this video is the Emerald Ash Borer Identification Kit (DEM ECO 1).*

*Grade levels: 9-University      Length: 35 minutes      WCEE call number: AV DVD FOR 5*

**Non-Native Invasion** by Louisiana Public Broadcasting, Baton Rouge, LA. (2000).

*This VHS tape investigates some of the impacts and controls of invasive plant and animal species.*

*Also associated with this tape is an activity/curriculum guide. (AC EG 205).*

*Grade levels: 5-9*

*Length: 19.5 minutes*

*WCEE call number: AV ECO 1*

## **Books for Youth**

**Aliens from Earth: When Animals and Plants Invade Other Ecosystems** by Mary

Batten/Illustrated by Beverly J. Doyle, Peachtree, Atlanta, GA. (2003).

*Spanning through time and the world, this book offers an in-depth look at various invasive species.*

*Labeled pictures help put truth to the dangers of “aliens”, including the extinction of native plant and animal species. This book also offers suggestions and tips to help control “alien invasions.”*

*Grade levels: 4-9*

*Length: 29 pages*

*WCEE call number: BY ECO 30*

## **Reference/Background Books**

**Aquatic Invasive Species** by Mandy Beall, Department of Natural Resources/Madison, WI. (2005).

*This handbook guides the reader through a brief national perspective on aquatic invasives and highlights some Wisconsin state-wide programs as well. It contains helpful information on designing educational programs related to aquatic invasive species. Also includes case studies, resources, information on specific species, and steps to prevent the spread of aquatic invasive species.*

*Grade levels: 9-University*

*Length: 119 pages*

*WCEE call number: BA IS 1*

## **Demonstration Materials/Field Guides**

**BioQuest Invasive Species of the Great Lakes** by Biological and Education Kits Production, Fort Atkinson, WI.

*This kit contains several specimens of preserved invasive species found in and around the Great Lakes region. There is a teachers' guide included.*

*Grade levels: 4-University*

*WCEE call number: DEM IS 1*

**Emerald Ash Borer Identification Kit** by Michigan State University, East Lansing, MI. (2003).

*This kit contains the following items: 1 piece of ash wood with bark attached showing Emerald Ash Borer (EAB); 1 piece of ash bark showing typical EAB galleries; 1 EAB adult in glass vial; and 3 bulletins containing EAB information.*

*Grade levels: 9-University*

*WCEE call number: DEM ECO 1*

**Invasive Plates: Guide to Identification and the Impacts and Control of Common North**

**American Species** by Sylvan Ramsey Kaufman and Wallace Kaufman

*This field guide contains a vast amount of information about, and colorful photographs of, common invasive plant species of North America. Each section includes characteristics of the species, how it came here, its effect on the ecosystem, and suggestions for managing it.*

*Grade levels: 9-University*

*Length: 458 pages*

*WCEE call number: FG PL 30*