

Ozark Summit 2008: Priorities for Ozark National Parks

By

Mark DePoy

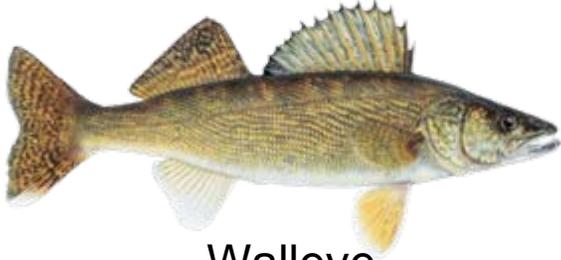
Chief of Resource Management

Buffalo National River

Issues Related to

- Aquatic Species Migration**
- Riparian Habitat/Restoration**
- Recreational Fisheries**
- Water Quality and Quantity**

Functionally Extinct Warmwater Fishes of the Buffalo National River



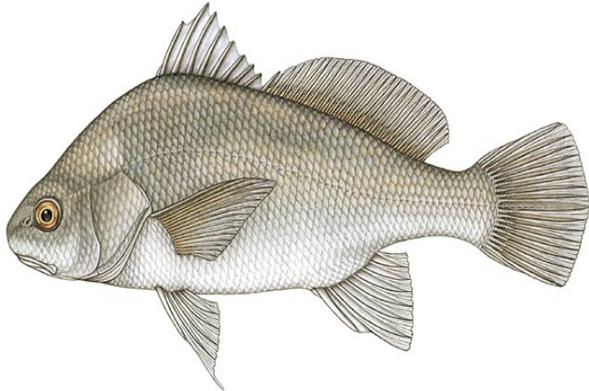
Walleye



Channel Catfish



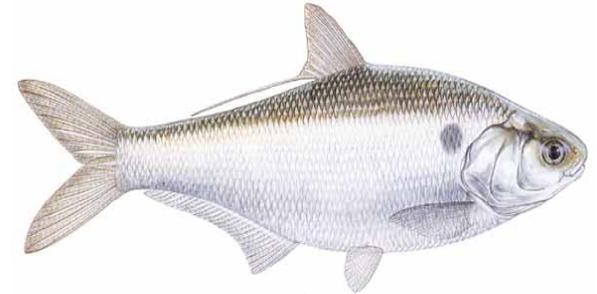
Gilt Darter



Freshwater Drum



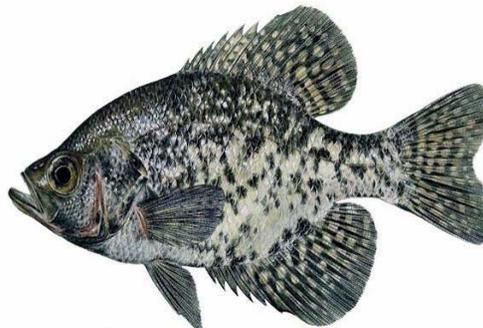
Quillback



Gizzard Shad



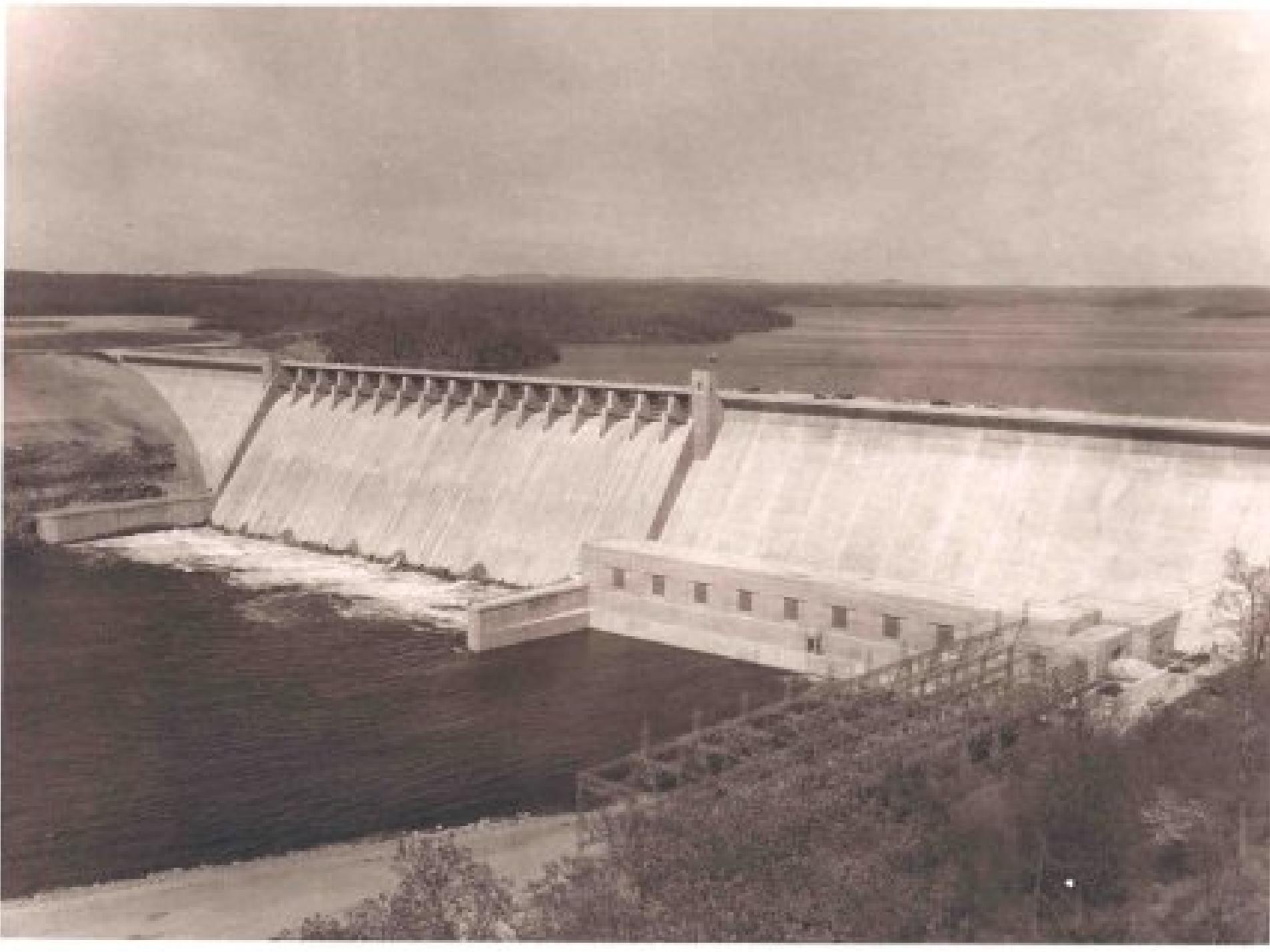
Shorthead Redhorse

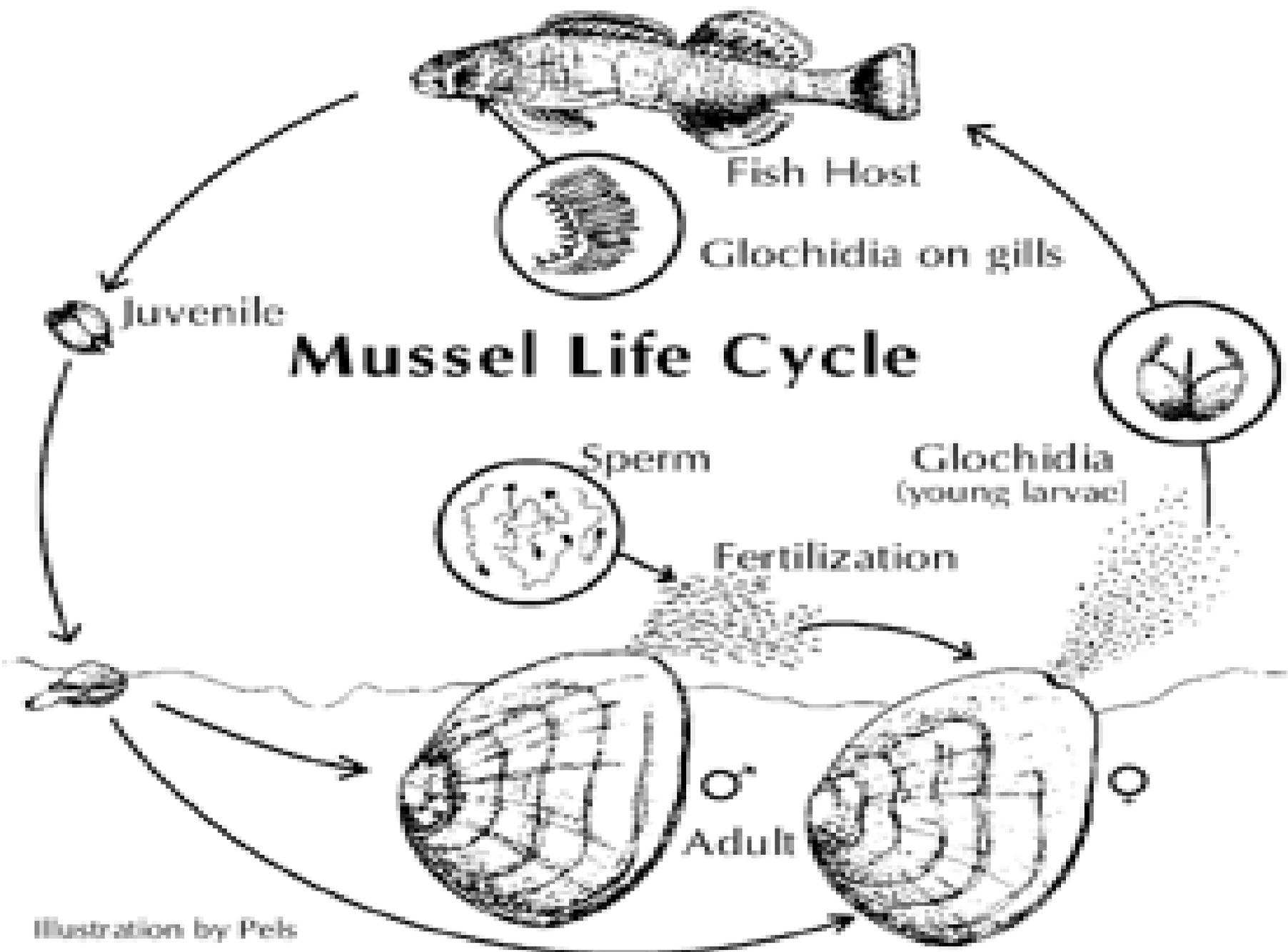


Black Crappie



Brook Silverside





Buffalo National River Mussel Surveys Discovered 29 Species in 1912

Mussel Surveys Conducted from 2004 through 2006 Identified 25 Species

Buffalo National River Mussels Extirpated Since 1912

Black Sandshell

Lilliput Mussel

Pimple Back Mussel

Pond Shell Mussel

Imperiled Buffalo National River Mussels

Rabbits Foot

Pleas

Paper Pond Shell

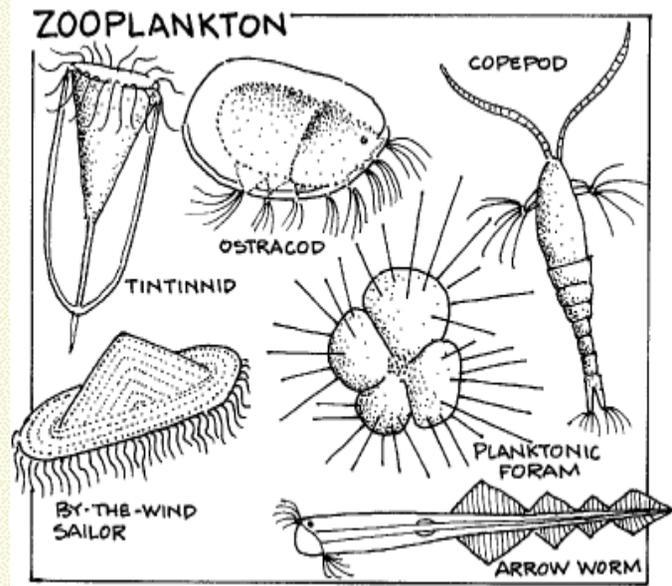
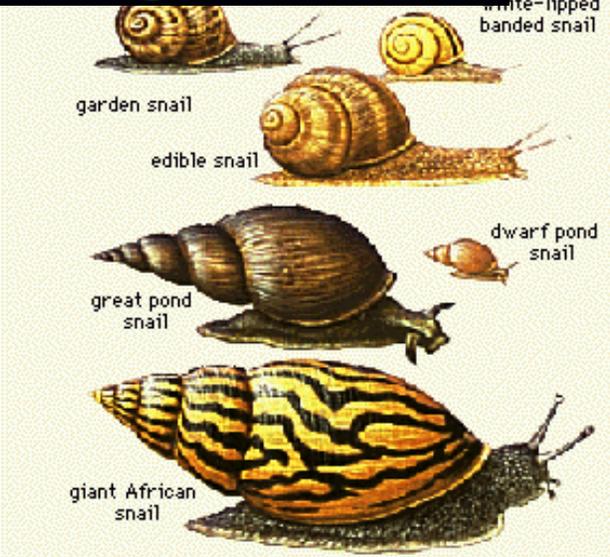
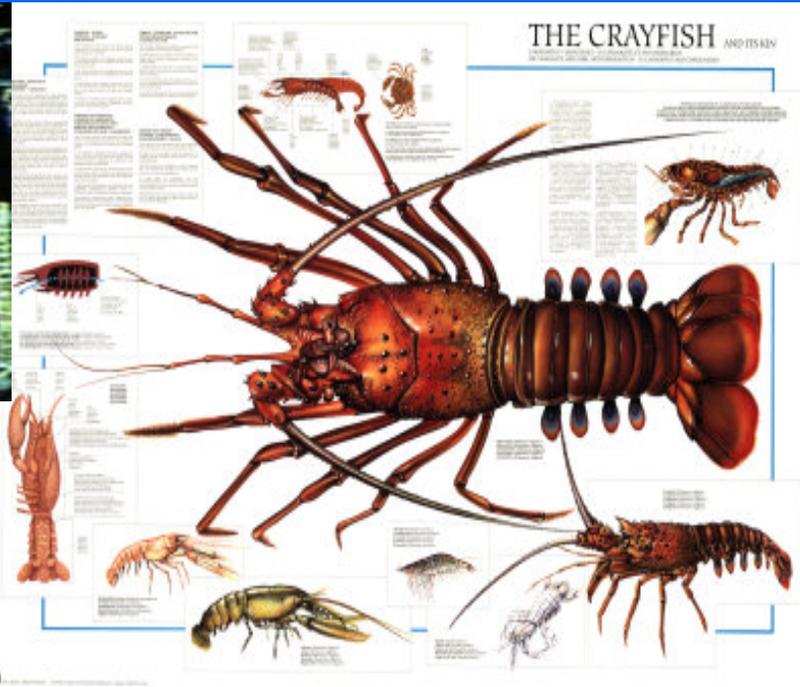
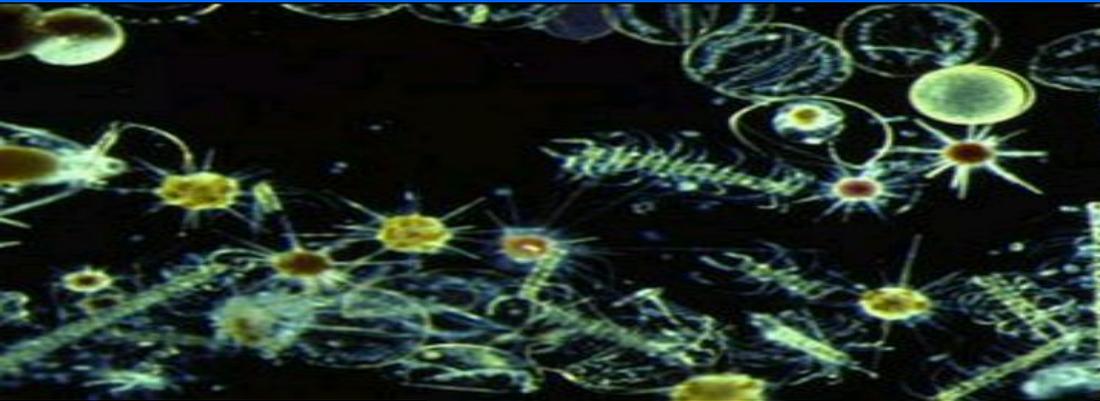
Slipper Shell



How to Manage for Biodiversity Without a
Comprehensive Knowledge of Species Presence,
Abundance, Population Trends and
Distribution??????????????

An Ozark Wide All Taxa Biological Inventory

All Taxa Biological Inventory Focus



Stream-Bank Erosion



Riparian Species Functionally Extirpated



Butternut Canker



Chinquapin Blight



Dutch Elm Disease