

## BSCI 467: Invasive Species in Freshwater Ecosystems: Introduction

### Part 1. Invasive species: definition, introduction, establishment.

In the provided space below, please list the first words (associations) that come to your mind when you hear “invasive species” (30 sec)

- Please pick 3 associations in your list which you think your classmates might have, too (30 sec)
- Please compare your guess in pairs and highlight the matches (30 sec)
- Please compare your matches with formal definition of invasive species (1 min) (use 'Yes/No cards')

### Part 2. Freshwater invasive species. Your assigned species is **Asian carp**.

- Please read this brief species description (30 sec):



“Asian carp [collective name for 4 invasive carp species] was introduced to the U.S. [from China] in the 1970's to control algae, weed, and parasite growth in aquatic farms, weeds in canal systems.. These captive fish eventually escaped into the Mississippi River basin and established breeding populations. Asian carp cause serious damage to the native fish populations in the lakes and rivers that they infest because they out-compete other fish for food and space. Carp are also thought to lower water quality, which can kill off sensitive organisms.. Experts are worried that if these fish get into the Great Lakes, they may negatively affect the area's \$7 billion/year fishing industry...and could threaten the resort and sport fishing industry.” (USGS, 2019)

- Why is it an invasive species? Please check ALL that applies (30 sec):
  - Introduced to the US from other countries
  - Causes damage to freshwater ecosystem
  - Has economic impact

### Part 3. What is the best title for this scheme? \_\_\_\_\_

