

Lab: Wanted Dead or Alive

Objective: To highlight the damage done by exotic species and to showcase the conservation efforts for endangered species. You will make two slides to highlight a species of each.

Guidelines: BE SURE TO CHOOSE AQUATIC SPECIES!

1. Make a “Wanted Dead” slide for an invasive species including the following:
 - a. Common name and scientific name
 - b. Picture
 - c. Why they are considered invasive, including damage caused and resistance to removal
 - d. Where they are considered invasive and when they were introduced
 - e. Efforts to control their population
 - f. Prognosis for the future
2. Make a “Wanted Alive” slide for an endangered species including the following:
 - a. Common name and scientific name
 - b. Picture
 - c. Role in the ecosystem (niche, relationships)
 - d. When they were listed endangered and causes of endangerment
 - e. Description of conservation efforts
 - f. Prognosis for the future

Choose Your Topic [Here](#) (There can be no repeats within the class)

Example (This means you cannot choose Sea Otters...)

WANTED ALIVE

Sea Otter, *Enhydra lutris*



Role in the ecosystem (niche, relationships): The sea otter is a keystone species in the kelp forest. They feed on sea urchins, which, if left unchecked, would destroy the kelp forest. Sea otters are also an important indicator for the health of coastal ecosystems.

When they were listed endangered and causes of endangerment: Sea otters were listed as endangered in 1977 after extensive hunting for their fur along with being susceptible to oil spills and tanker ship traffic in coastal areas.

Description of conservation efforts: Sea otters have gained international protections along with the protection of critical habitat. Their populations are monitored and they have been bred in captivity.

Prognosis for the future: Sea otter populations have rebounded from historic lows, but continue to face threats from oil spills, harmful algal blooms and disease.