

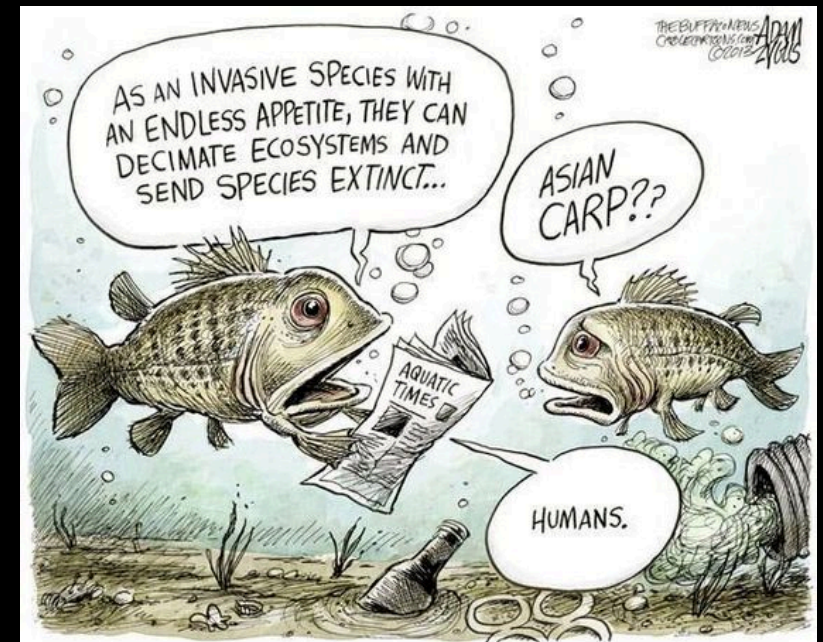


INVASIVE SPECIES IN NORTH AMERICA

By Catherine Werth

NEGATIVES OF INVASIVE SPECIES

- Habitat degradation and loss
- The loss of native fish, wildlife and tree species
- The loss of recreational opportunities and income
- Crop damage and diseases in humans and livestock





WHAT IS AN INVASIVE SPECIES?

- whose introduction causes or is likely to cause economic or environmental harm or harm to human health
- Can be plants, animals, or other organisms
- Non-native to ecosystem



WHAT CAN BE DONE?

- Chemical control
- Biological Control
- Physical or mechanical control

EMERALD ASH BORER *AGRILUS PLANIPENNIS*



UGA9000019

- First discovered in Michigan in 2002
- Native to Asia
- Affect Ash Trees
- The larvae (the immature stage) feed on the inner bark of ash trees, disrupting the tree's ability to transport water and nutrients
- Believed they came on wooden shipping material on ship or airplane cargo
- Killed hundreds of millions of Ash trees in North America

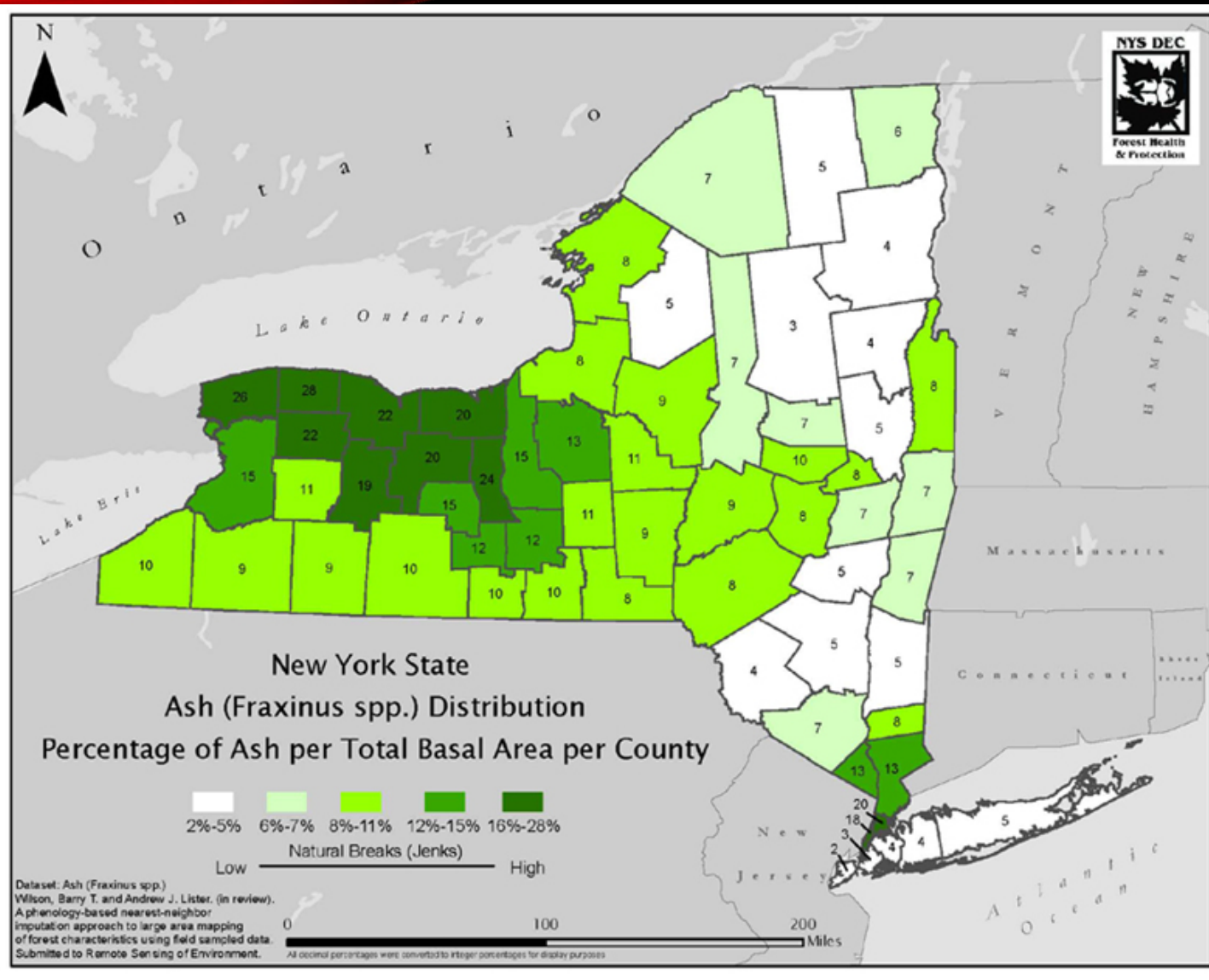


WHAT YOU CAN DO?

- Do not transport firewood to other areas
- Report infestations



RANGE IN NY



BURMESE PYTHON

PYTHON MOLURUS



- Native to India, lower China, the Malay Peninsula, and some islands of the East Indies
- First Python reported around 1980s in Florida
- Destroying the everglades
- Eat all native animals including alligators



CHARACTERISTICS

- A mature snake can grow over 20 feet and 200 pounds
- Light coloring with black and brown ranging up and down their back
- Can lay up to a hundred eggs each time






THEORIES

- Escaped from a breeding facility that was destroyed during Hurricane Andrew
- Pet pythons have been released in and around the Everglades

NORTHERN SNAKEHEAD FISH (CHANNA ARGUS)




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- Native to China, Russia and Korea
 - Can breathe air and they may survive for days out of water in damp conditions
 - Young fish can move across the ground to access water
 - Spawn multiple times each year with females releasing tens of thousands of eggs each time



CHARACTERISTICS

- Tan to pale brown with dark brown blotches on sides and saddle-like markings on back.
- Elongate body with long dorsal and anal fins.
- Many sharp teeth.
- Large mouth reaching far behind eyes.

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- Potential to disrupt recreational and commercial fishing, harm native fish and wildlife, and impact our economy.
 - New York State prohibits possession, sale and live transport of snakehead fish and their viable eggs

- <http://nas.er.usgs.gov/viewer/omap.aspx?SpeciesID=2265>

SOURCES

- <http://myfwc.com/wildlifehabitats/nonnatives/reptiles/burmese-python/>
- <https://www.fws.gov/invasives/faq.html#q7>
- <http://www.emeraldashborer.info>