NAS FaST

U.S. Geological Survey's **N**onindigenous **A**quatic **S**pecies **F**lood **a**nd **S**torm **T**racker

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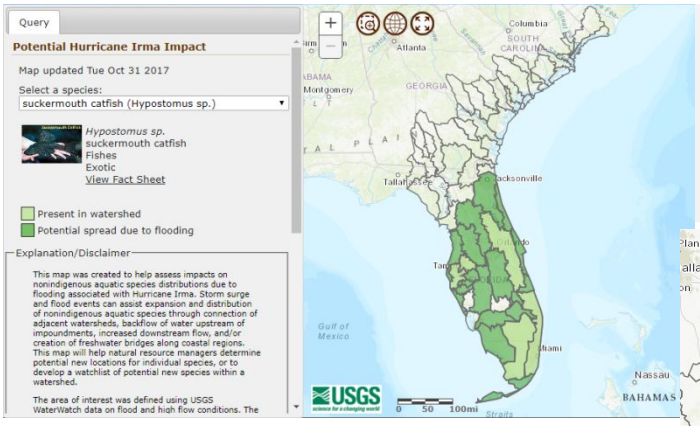
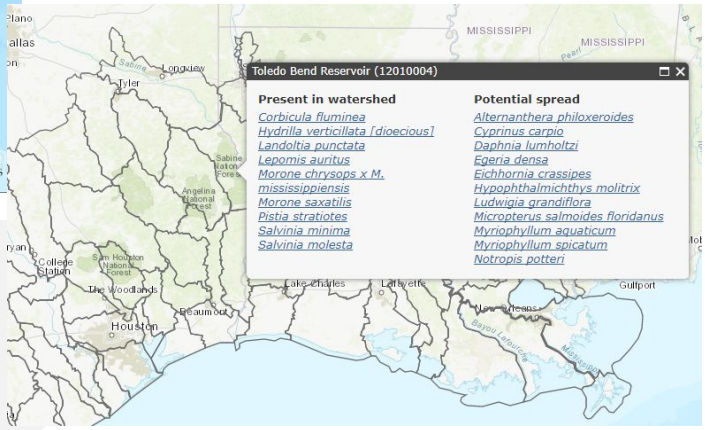
The U.S. Geological Survey's Nonindigenous Aquatic Species (NAS) database is the national repository for spatially referenced biogeographic accounts of introduced freshwater species. The program tracks the distribution of > 1,250 nonindigenous species across the contiguous United States, Alaska, Hawaii, and US territories. NAS FaST maps were created to help assess the spread of nonindigenous species due to flooding associated with storms. Storm surge and flood events can assist the range expansion of nonindigenous aquatic species into new drainages. The NAS FaST maps combine information on potential flooding associated with a storm event with known locations of established or possibly established nonindigenous species from the NAS database. The map identifies all drainages within the flood zone that have a nonindigenous species present or a risk of introduction from surrounding drainages. Later this information is refined using USGS high water marks and stream gages to determine which drainages connected. These maps will help natural resource managers identify potential new locations for non-native species, or develop a watchlist of potential new species within a watershed.



A map of the current occurrences (light green) and possible spread of suckermouth catfish (*Hypostomus sp.*) between drainage units (darker green) from flooding associated with Hurricane Irma.



A table of nonindigenous aquatic species that are currently present in Toledo Bend Reservoir drainage and new species which have the potential to be introduced by Hurricane Harvey flooding of adjacent drainages.

MAP AND EXPLORE DATA FOR HURRICANES HARVEY, IRMA, MARIA, AND NATE.

RESEARCH INDIVIDUAL SPECIES, OR DEVELOP A WATCHLIST OF POTENTIAL NEW SPECIES WITHIN A WATERSHED.

SEARCH DATA FOR NONINDIGENOUS AQUATIC SPECIES INCLUDING FISHES, PLANTS, REPTILES, AMPHIBIANS, MAMMALS, AND INVERTEBRATES.

https://nas.er.usgs.gov/viewer/Flooding/