Map 2- Chesapeake Oysters

Question: Where are the most oyster sanctuaries in the Chesapeake bay?

Data: Maryland counties, Chesapeake Bay Benthic habitat, Oyster plantings 2000- Present, Oyster sanctuaries, Oyster tributaries

Methods: Select by attributes, using Chesapeake Bay Benthic Habitat to only have areas that involve oysters (reef and rubble) Table join: Oyster plantings to tributaries. Symbology: show current Oyster sanctuaries in light green, and Pre-2010 Oyster sanctuaries in dark green. Clip Benthic habitat into counties.

Map 1-Bay Counties Forest Loss

Question: What county will have the most forest loss by 2050?

Data: Forest loss 2050, Maryland Counties, MD Environmental Trust Acquisitions, Chesapeake Bay Watershed, Forest conservation Act Easements
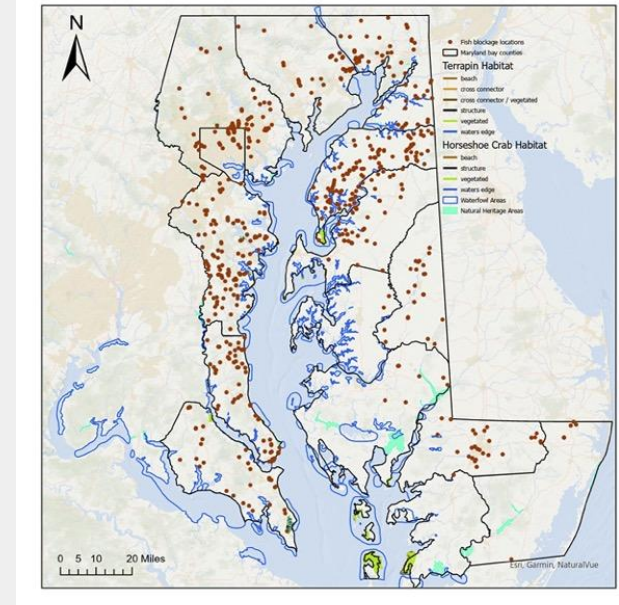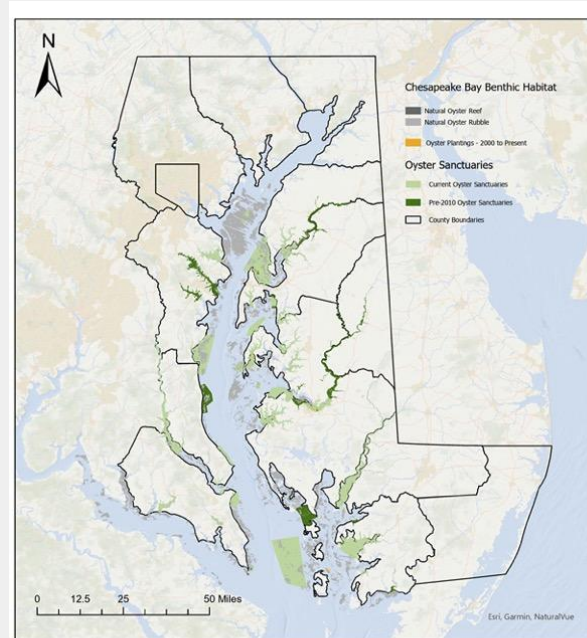
Methods: Select by attributes, using the Forest Conservation Act Easements to only have the areas that are retained. Table join: Forest Loss 2050 to Forest Easements. Symbology: show Forest loss in 1 (yellow) and Forest easements in 2 (orange). Clip Forest loss and Watershed into counties.

Map 3- Chesapeake Fauna

Question: What areas/counties have the most biodiversity?

Data: Maryland Counties, Fish blockage locations, Chesapeake bay Terrapin Habitat, Chesapeake Bay Horseshoe crab habitat, Chesapeake bay Waterfowl Habitats, Natural Heritage areas.

Methods: Select by attributes, to only have fish blockage areas in counties. Table join fish blockage to waterfowl areas with primary key ObjectID. Symbology: Heritage areas in blue, with Waterfowl areas circled in dark blue