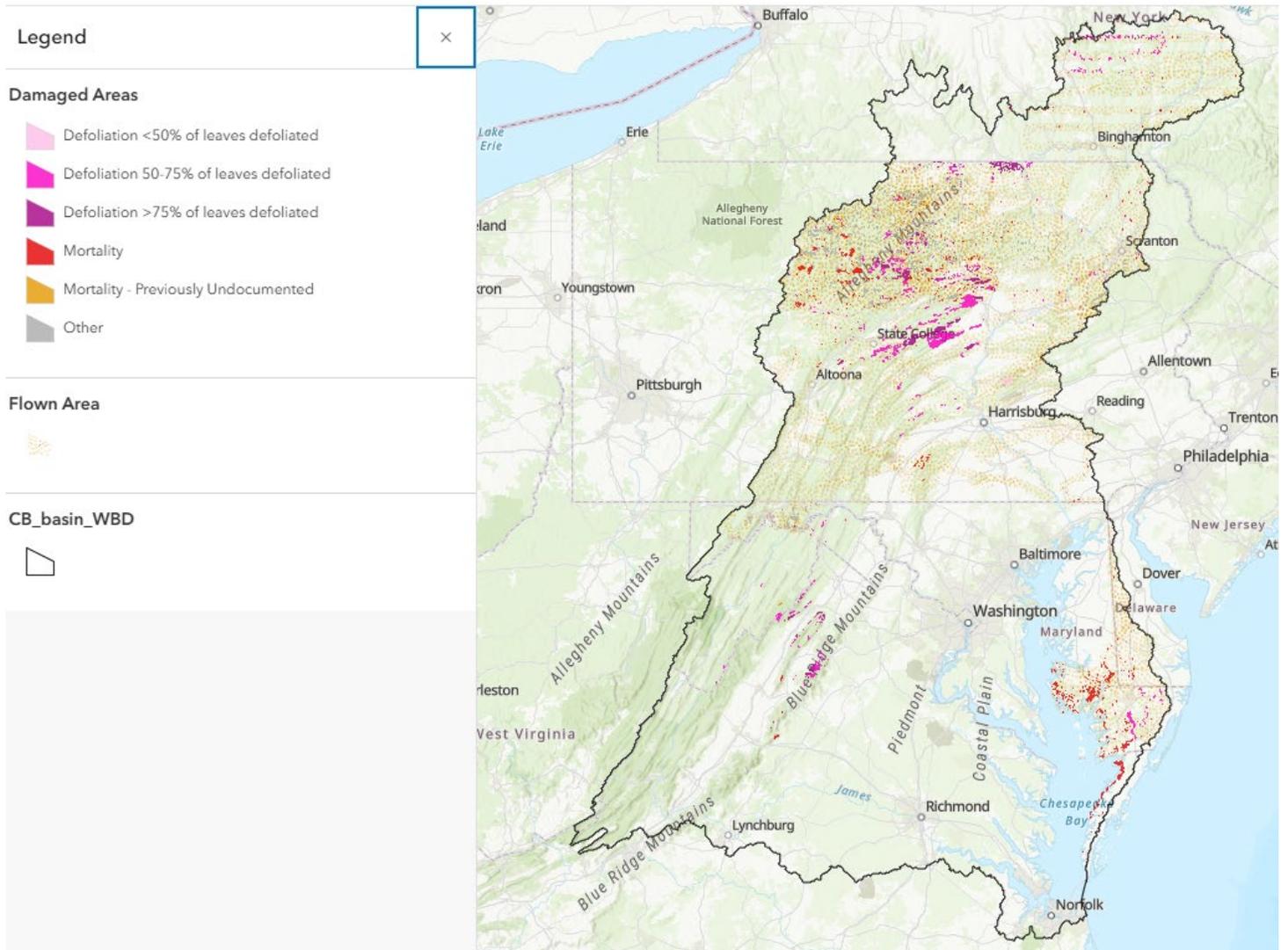


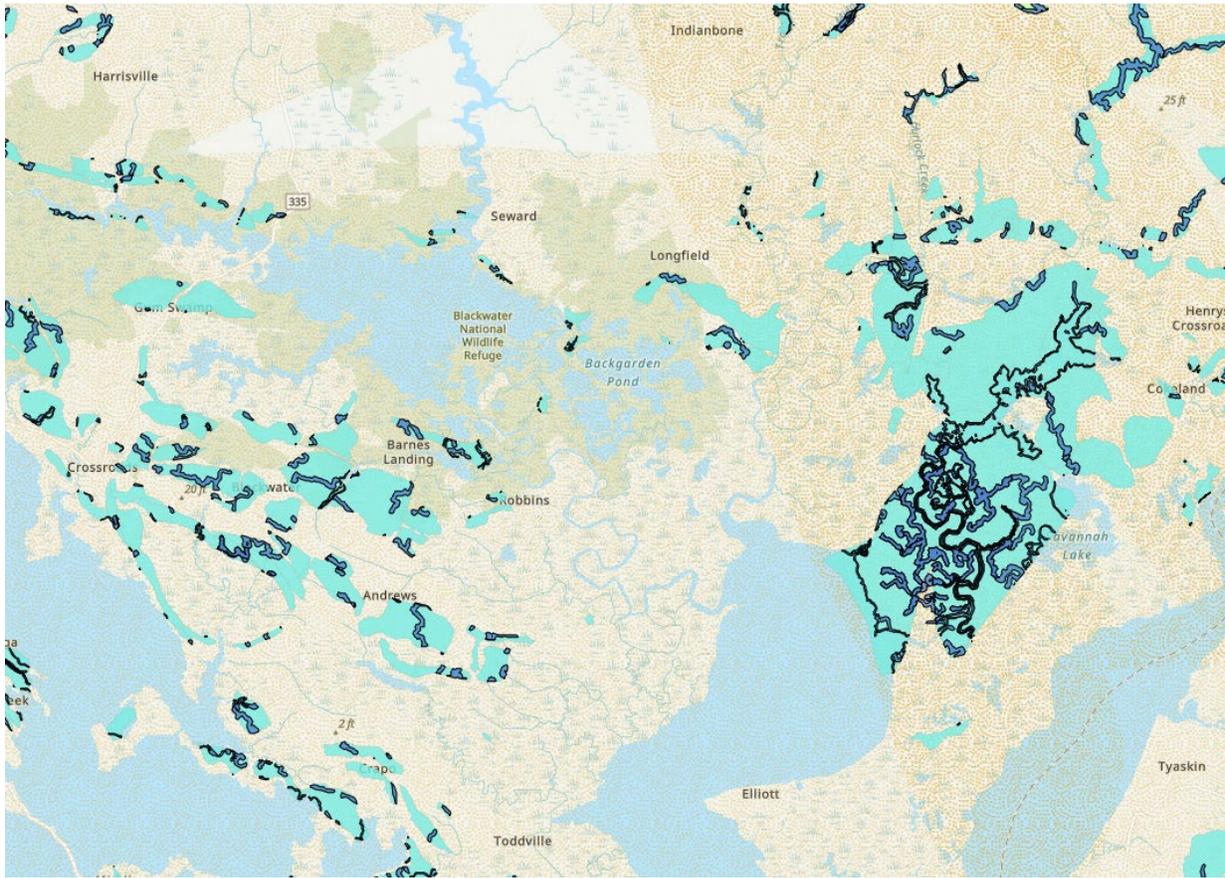
USFS Forest Damage Survey Data and CBW

The USFS in cooperation with states collects an annual survey of large-scale, forest damage. Most of the data is collected through aerial surveys (Aerial Survey Detection, ADS), however, data in some areas is collected through ground surveys that are informed by remote sensing tools (e.g. satellite imagery and change detection products). We do not collect damage data on every acre but do make a concerted effort to document all major disturbances of forested areas. In the maps below, the orange shading represents areas off each side of the small plane that were mapped (flight lines or tracks were recorded and then were buffered by a couple miles on each side to make an area flown layer). Data from these surveys (final data are known as Insect and Disease Detection Survey, IDS) are available to the public and can be found at [IDS Data](#)

2023 Chesapeake Bay Drainage Insect and Disease Damage Map

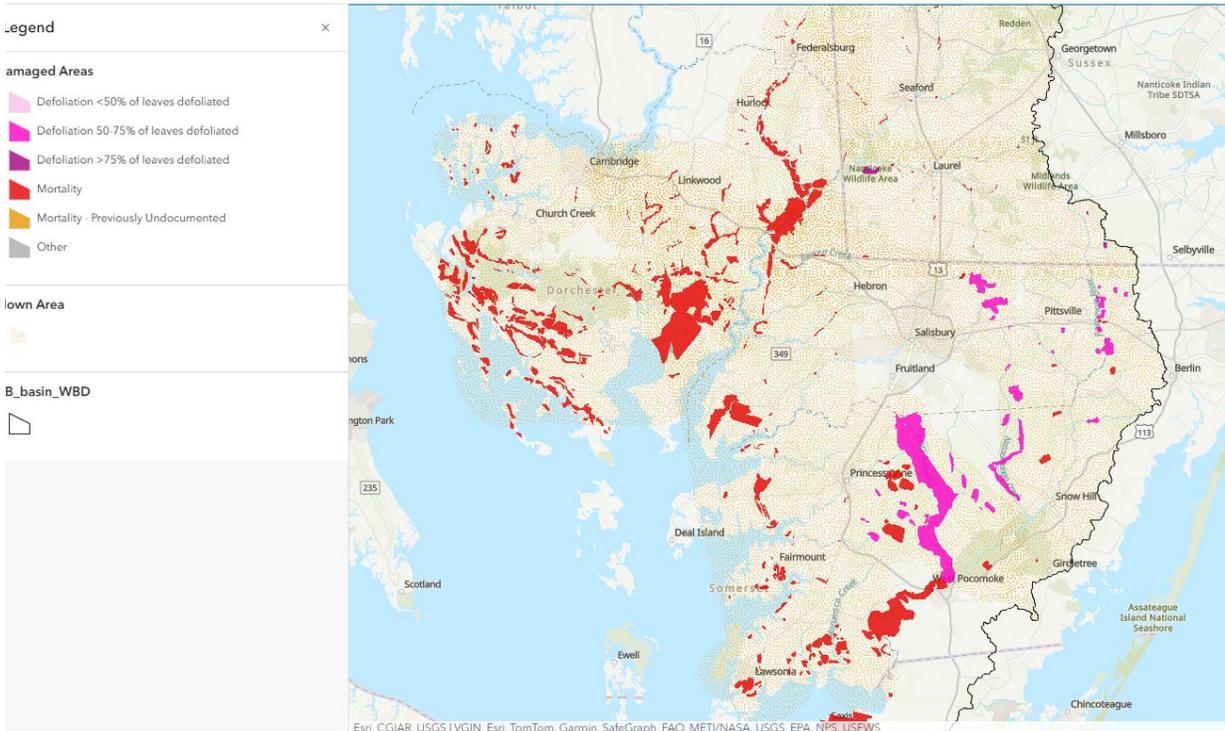


2023 top five damage types (mortality, defoliation, flagging, etc.) within the CB watershed



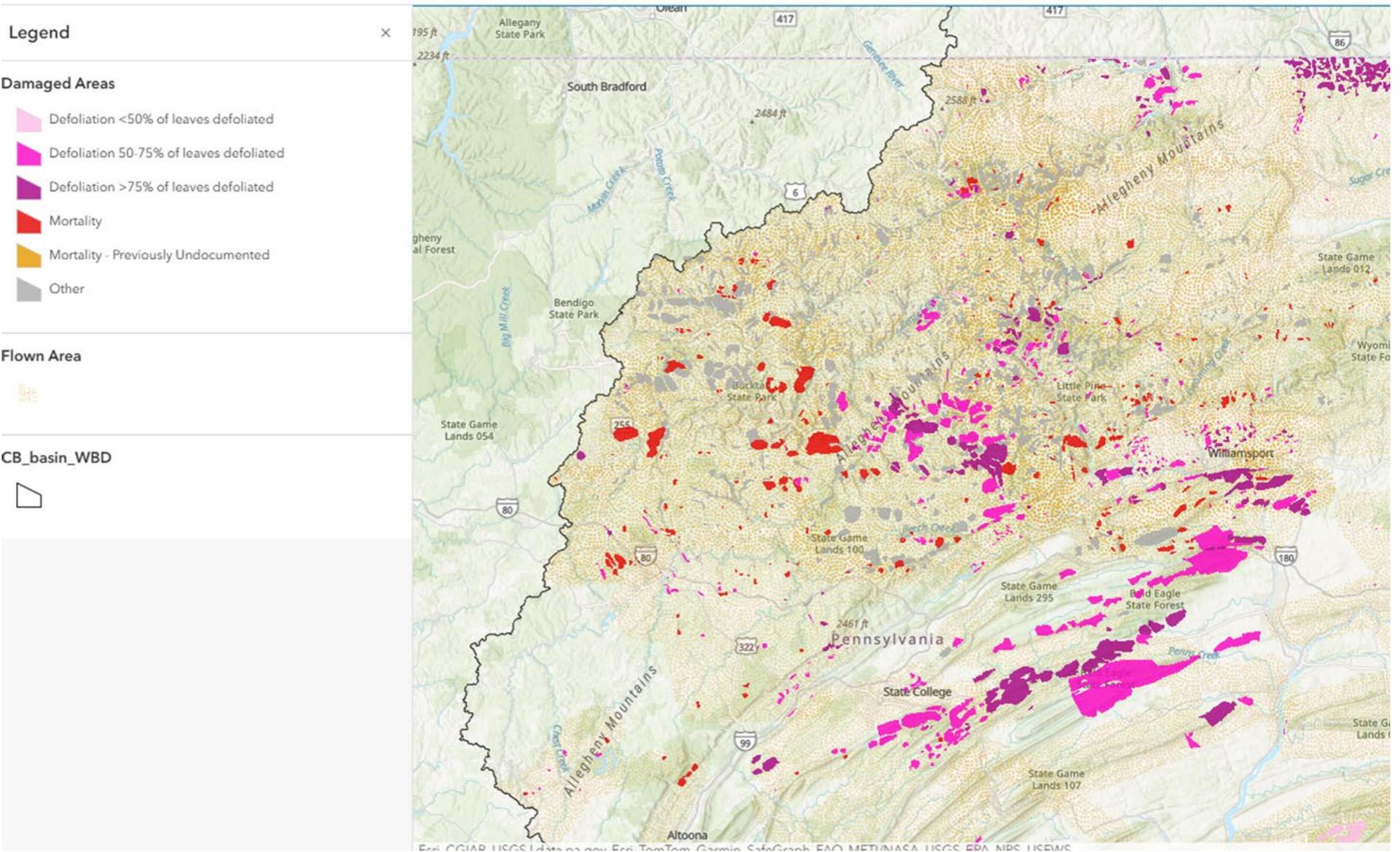
Areas around Blackwater National Wildlife Refuge. Teal polygons are areas with mortality due to saltwater intrusion and blue areas are a riparian buffers that overlapped with damage polygons. Estimates of % tree mortality within damage areas is collected but not presented here.

2023 Chesapeake Bay Drainage Insect and Disease Damage Map



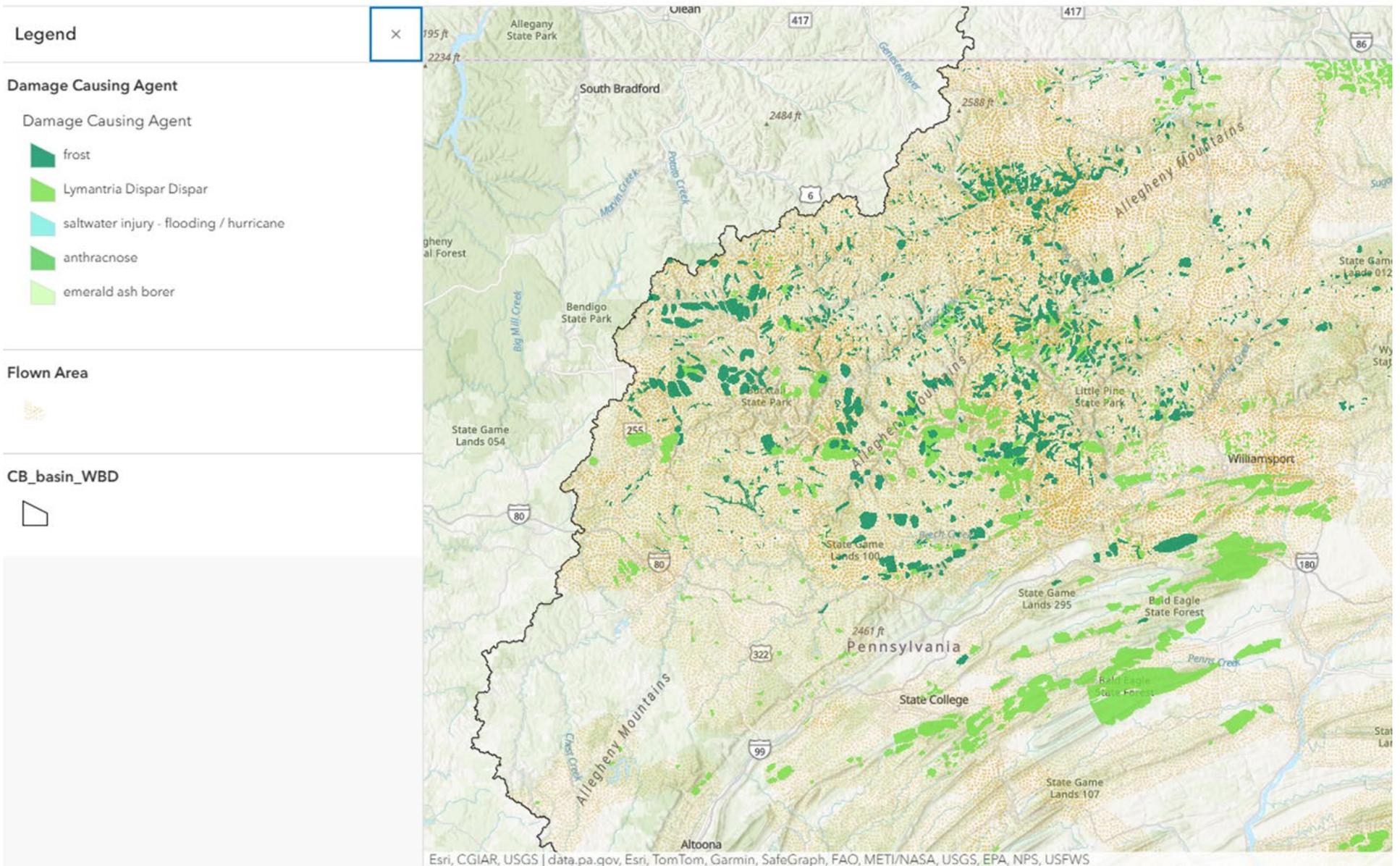
Damage areas projected by damage type. Damage polygons can be displayed and summarized by damage type, damage causing agent, tree species impacted, and/or percent of trees impacted. Most of the damage polygons pictured here were caused by saltwater intrusion (mortality polygons) or spongy moth (defoliation polygons).

2023 Chesapeake Bay Drainage Insect and Disease Damage Map



Area with large amount of mapped damage in north-central PA projected by damage type

2023 Chesapeake Bay Drainage Insect and Disease Damage Map



Area with large amount of mapped damage in north-central PA shown by damage causing agent.