Rapid Assessment of the Pains Bay Fire, NC

Location: FWS Alligator River National Wildlife Refuge

DOI Dare Air Force Range

Dare County, NC on the Coastal Plain

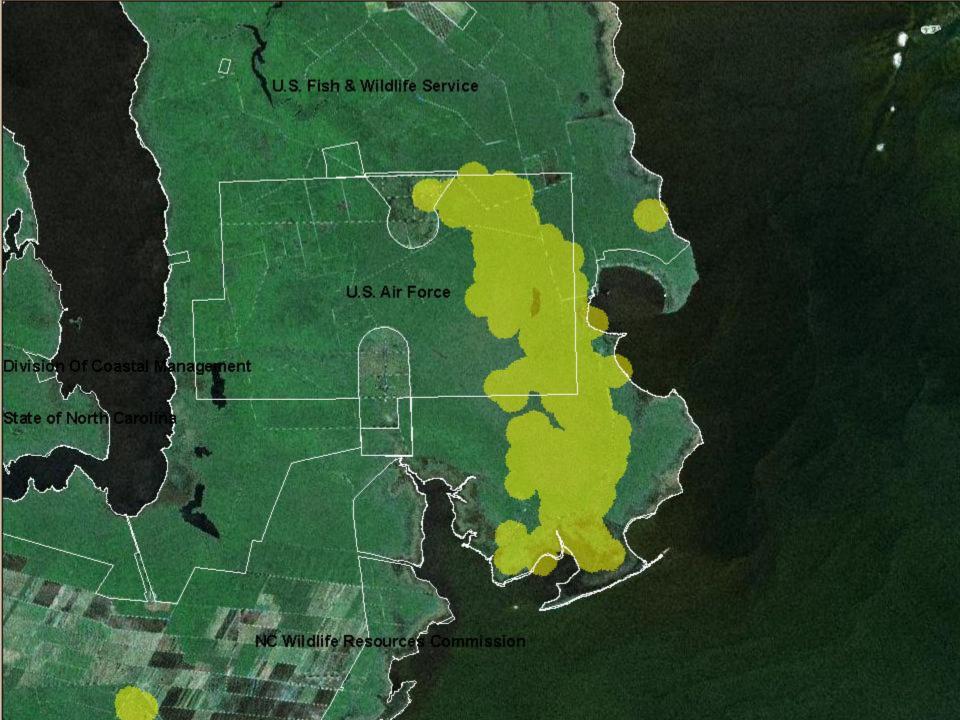
Start: May 4, 2011 Cause: Lightning

Area: 29,400 ac (as of 6/3/2011: 80% contained)

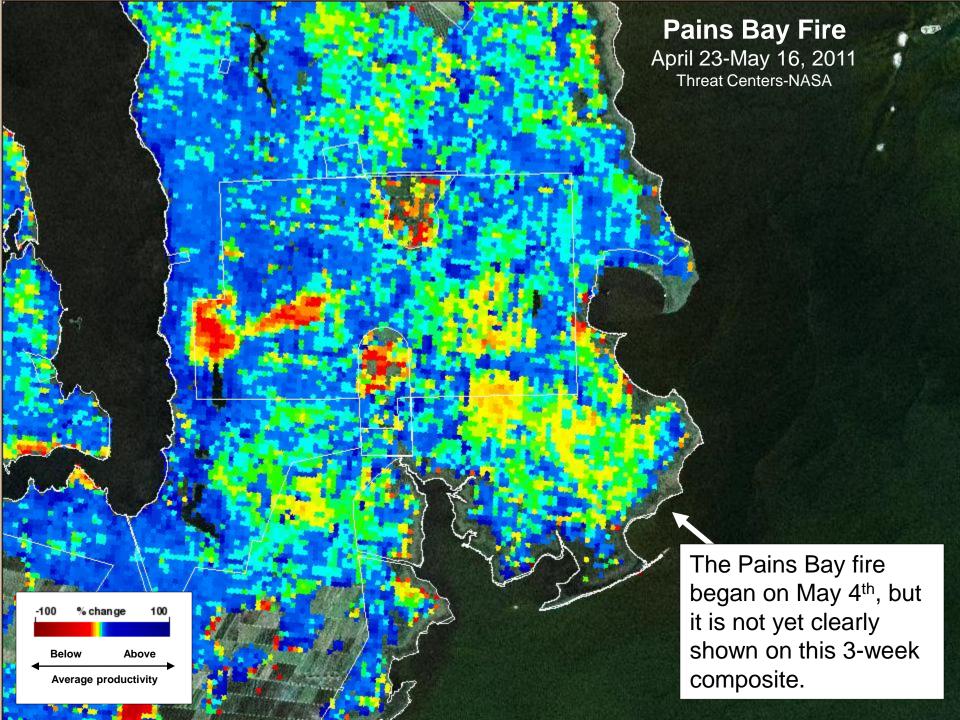
Fuels: Pocosin with intermixed pond pine

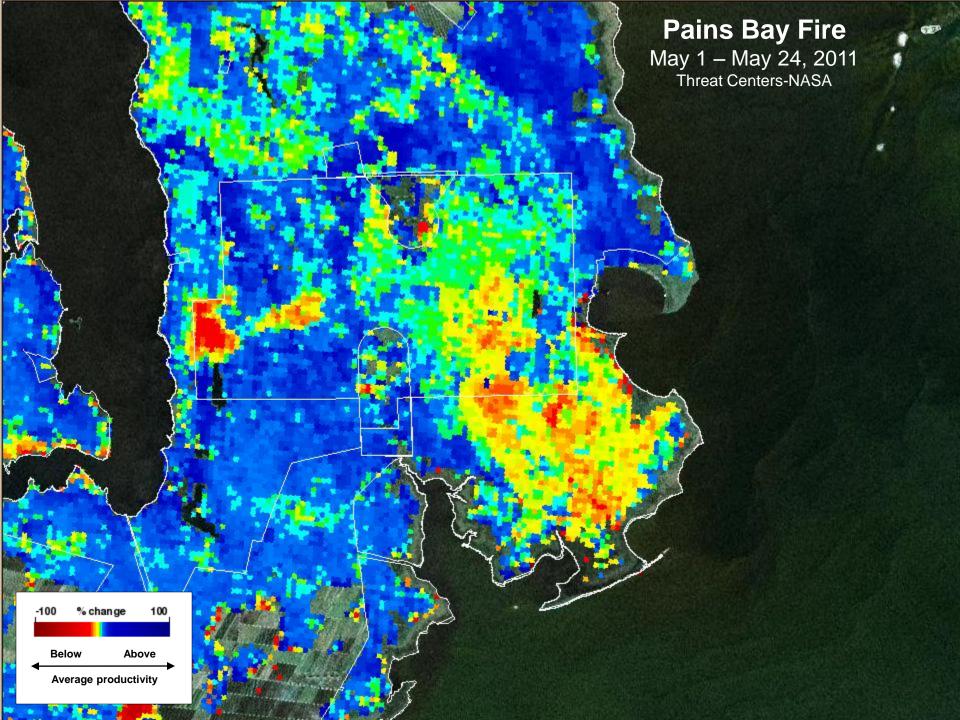


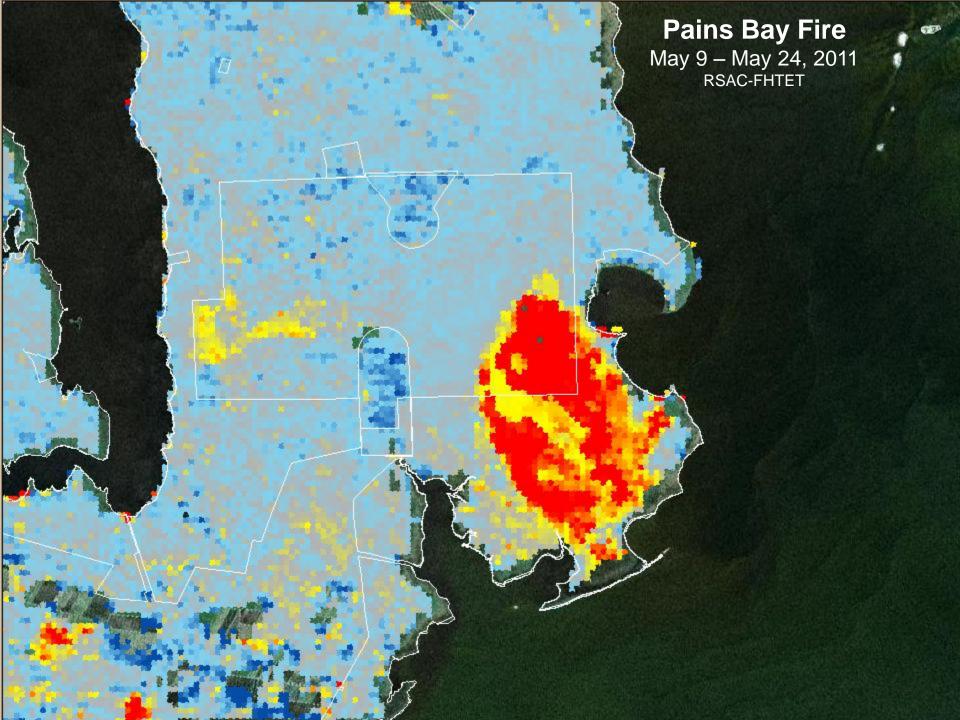


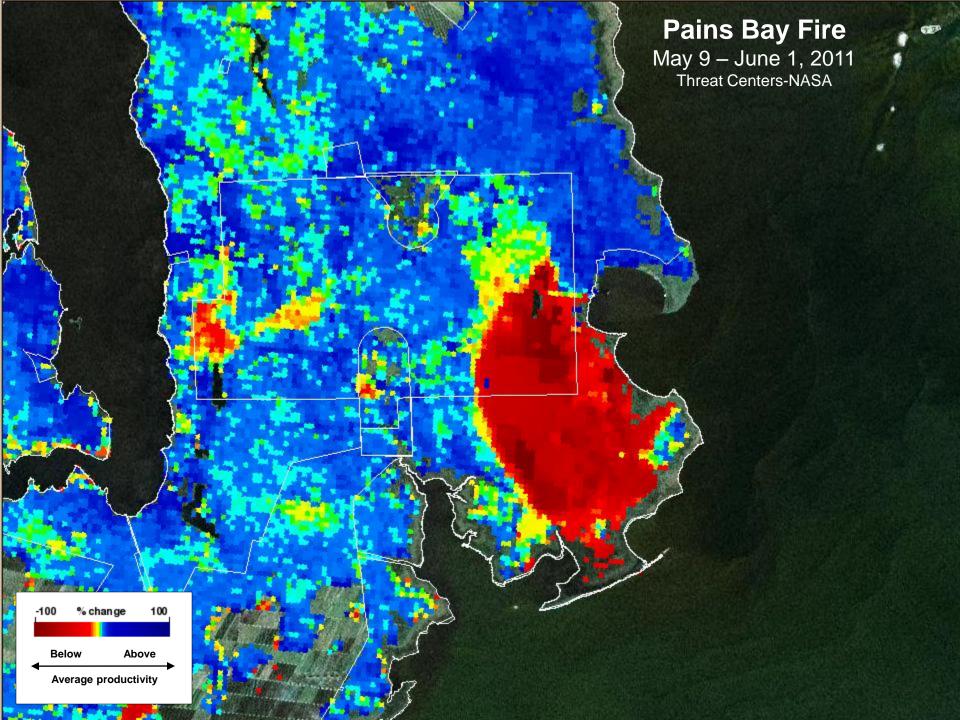


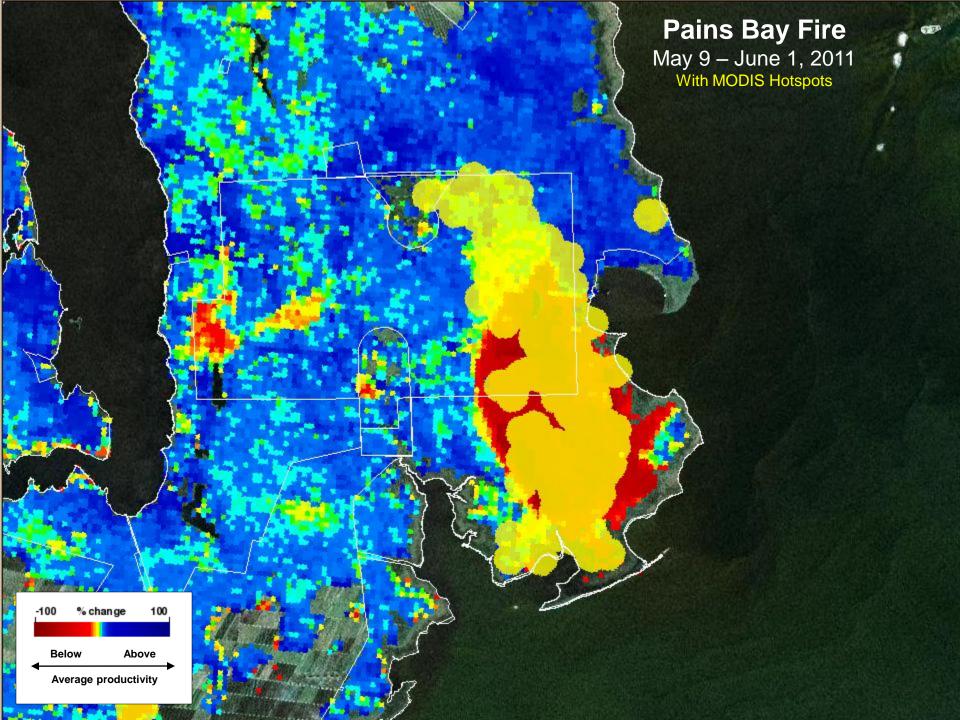
The Pains Bay Fire shortly after its start showing the fuels and terrain

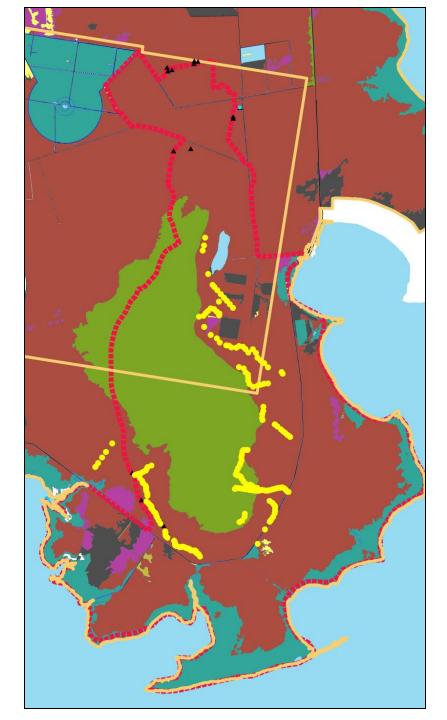












Fuel Types of the Pains Bay Fire

Source: www.inciweb.org



The continuous and severe loss of greenness evident from MODIS is confirmed by this aerial photograph along Highway 264









Assessment:

The 2011 Pains Bay fire is typical of the coastal Pocosin vegetation type. High flame lengths and long-duration consumption of ground fuels have contributed to near uniform top-kill over a large area. This high severity behavior is shown in the consistent red pattern (below). Recovery can be traced in coming months and years, as ferns have already started to resprout, even though the fire is not yet contained.

