

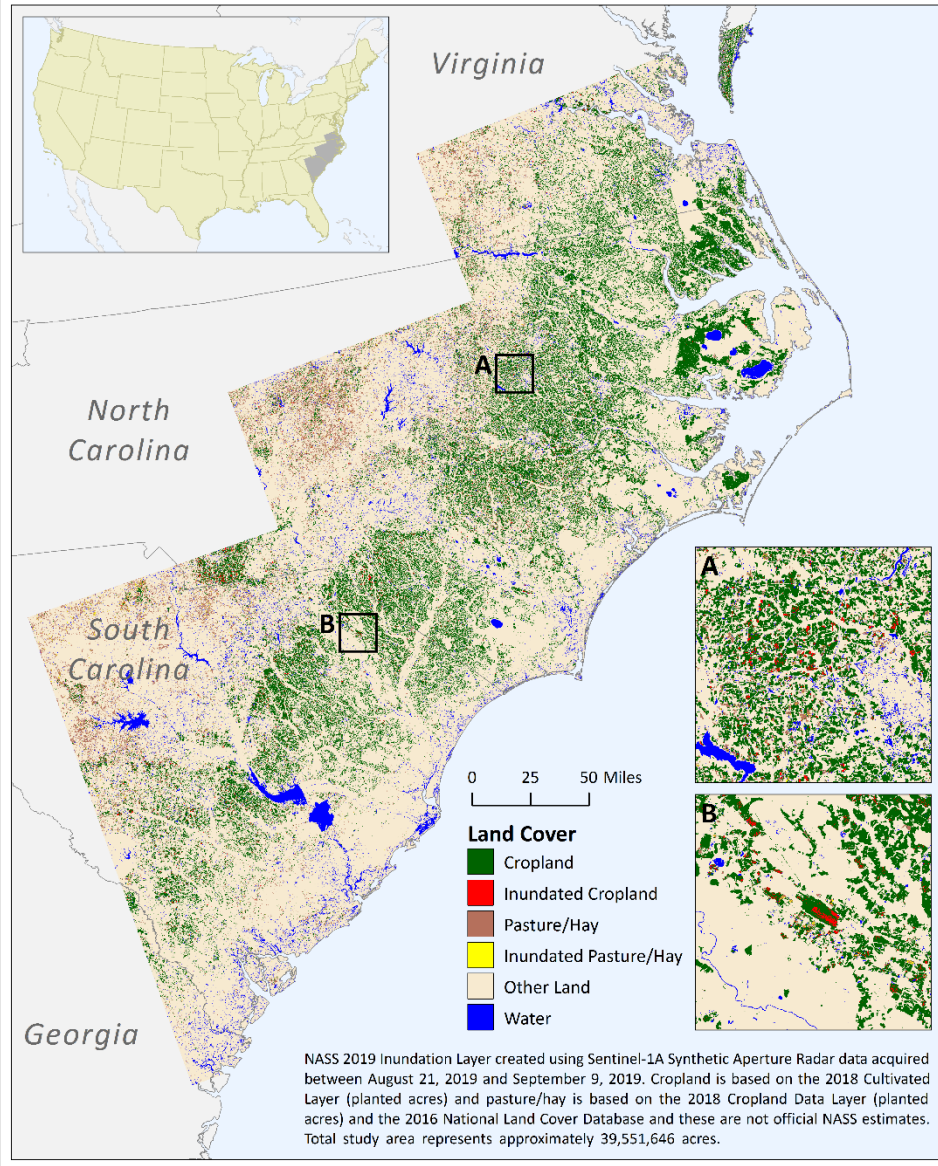
Hurricane Dorian

NASS Flood Assessment Report

Incident Overview

- **Event Dates:** 9/3/19 – 9/7/19
- **Areas Affected:** Eastern North Carolina, Eastern South Carolina, Southeast Georgia, Southeast Virginia, Eastern Florida
- **Major Crops in the Study Area:** Corn, Soybeans, Peanuts, Cotton, Tobacco, Citrus, Sugarcane
- **Pre-Flood Imagery Acquisitions:** 8/21/19, 8/26/19, 8/28/19
- **Post-Flood Imagery Acquisitions:** 9/7/19, 9/8/19, 9/9/19

Study Area



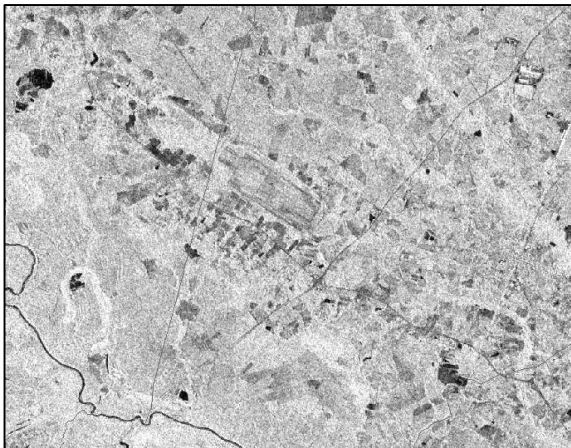
Cropland			
State (partial coverage)	Total Acres	Inundated Acres	Percent Inundated
Virginia	43,382	1,156	2.66%
North Carolina	3,920,753	111,613	2.85%
South Carolina	1,732,899	86,052	4.97%
Georgia	629,768	18,558	2.95%

Pasture/Hay			
State (partial coverage)	Total Acres	Inundated Acres	Percent Inundated
Virginia	10,090	566	5.61%
North Carolina	665,280	28,557	4.29%
South Carolina	597,877	41,726	6.98%
Georgia	158,210	5,296	3.35%

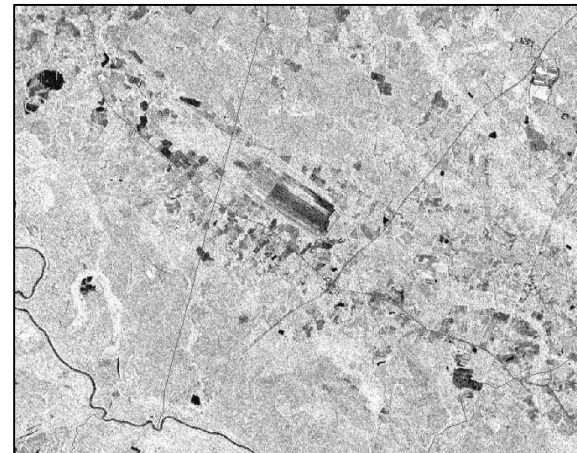
NASS 2019 Inundation Layer created using Sentinel-1A Synthetic Aperture Radar data acquired between August 21, 2019 and September 9, 2019. Cropland is based on the 2018 Cultivated Layer (planted acres) and pasture/hay is based on the 2018 Cropland Data Layer (planted acres) and the 2016 National Land Cover Database and these are not official NASS estimates. Total study area represents approximately 39,551,646 acres.

Example: Dillon County, South Carolina

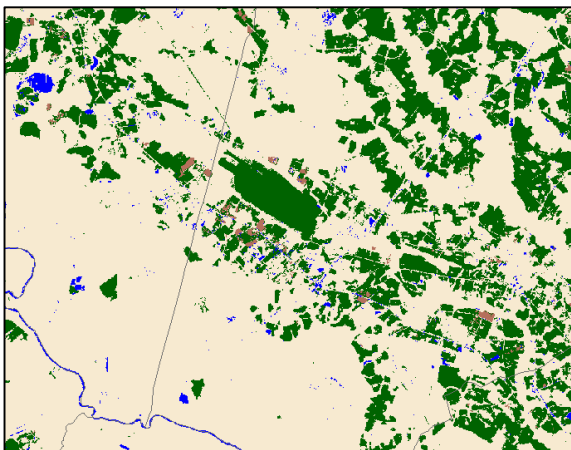
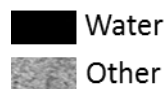
Pre-Flood: 8/21/19









Post Flood: 9/8/19

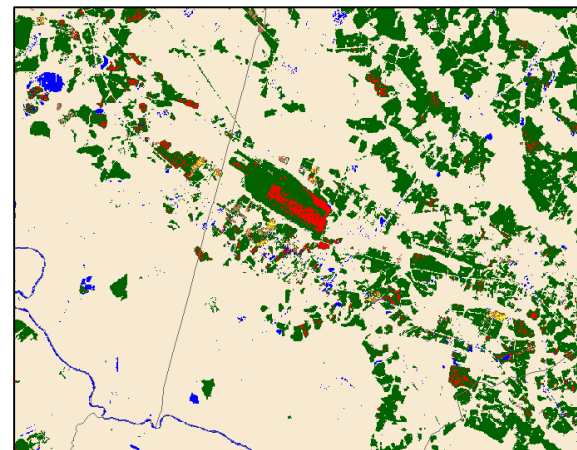


Copernicus
Sentinel-1A
Synthetic Aperture
Radar (SAR)



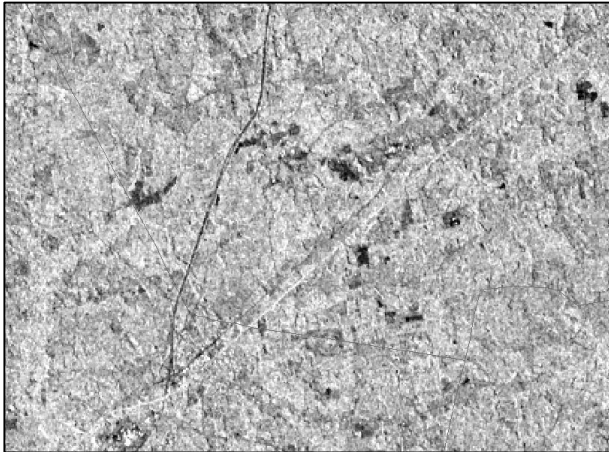
Land Cover

-  Cropland
-  Inundated Cropland
-  Pasture/Hay
-  Inundated Pasture/Hay
-  Other Land
-  Water

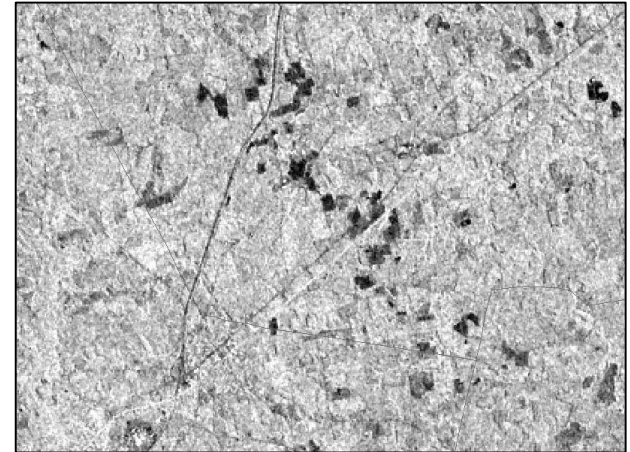


Example: Wilson County, North Carolina

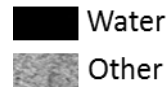
Pre-Flood: 8/21/19



Post Flood: 9/8/19



Copernicus
Sentinel-1A
Synthetic Aperture
Radar (SAR)



Land Cover

