Hurricane Irma

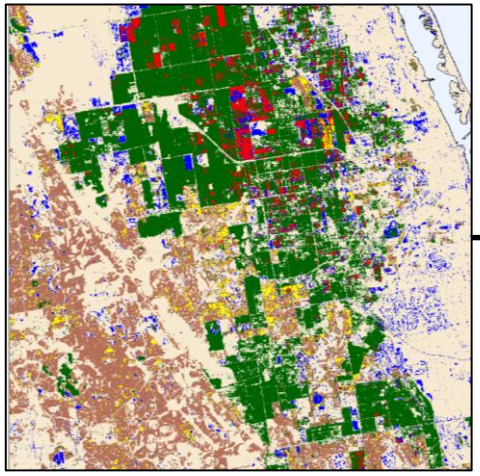
NASS Flood Assessment

Incident Overview

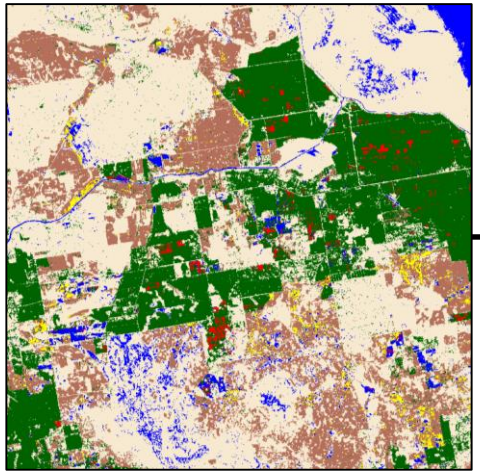
- **Event Dates:** September 10 – 13, 2017
- **Areas Affected:** Florida, USA
- **Major Crops in the Study Area:** Citrus, Sugarcane, Pasture/Hay

- **Pre-Flood Imagery Acquisition:** August 3 – September 3, 2017
- **Post-Flood Imagery Acquisition:** September 10 – 15, 2017

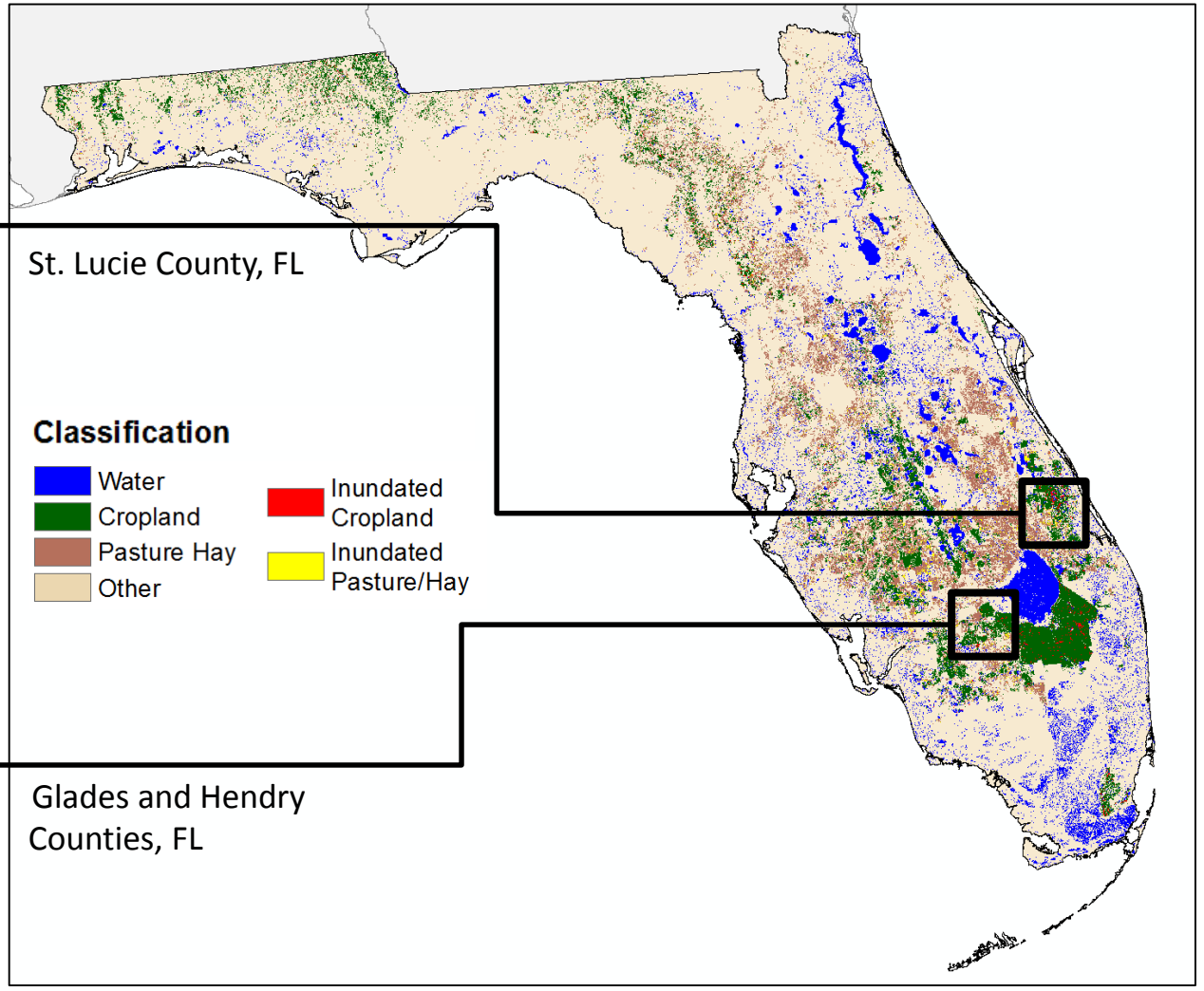
Study Area



St. Lucie County, FL



Glades and Hendry Counties, FL



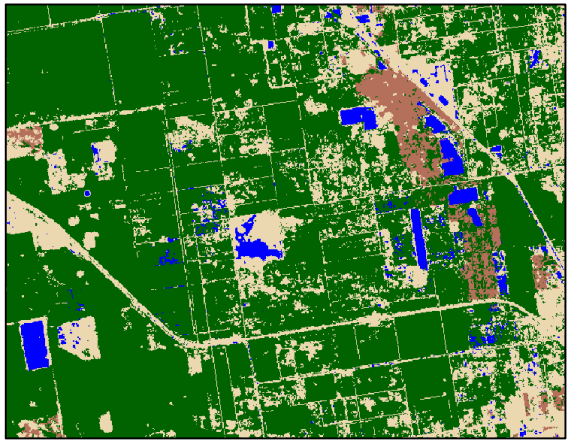
Total Area Analyzed: 36,147,541 acres
Total Cropland: 2,729,921 acres
Total Pasture/Hay: 2,997,930 acres

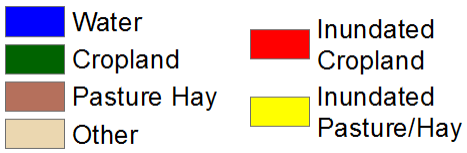
Example: St. Lucie County, Florida

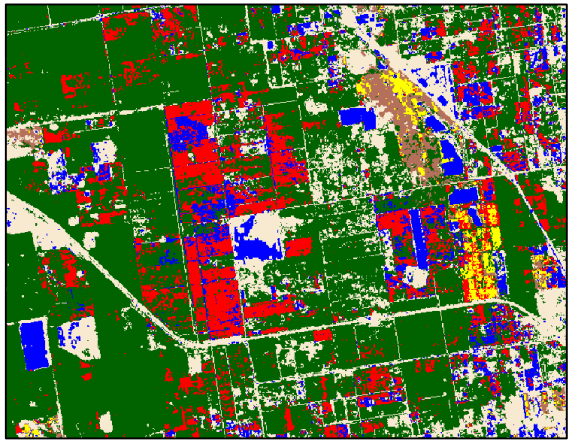
Pre-Flood: 08/29/17

Copernicus Sentinel-1A Synthetic Aperture Radar (SAR)

Post Flood: 09/10/17







Impact: Inundation on Cropland/Pasture

Crop Type	Total Area defined by Official NASS Estimates (acres)	Percent Inundated	Non-Inundated (acres)	Inundated (acres)
Citrus Totals (Oranges & Other Citrus)	410,700	1.73%	403,614	7,086
Sugarcane	412,700	1.89%	404,900	7,800
Peanuts	195,000	3.10%	188,960	6,040
Cotton	99,000	1.06%	97,949	1,051
Corn	75,000	10.49%	67,130	7,870

Crop Type	Total Area (acres)	Non-Inundated (acres)	Inundated (acres)	Percent Inundated
Pasture/Hay	2,997,930	2,811,820	186,110	6.21%

Total area of cropland is defined by official NASS Florida 2017 estimates. Percentages, inundated acres, and pasture/hay total area are defined from the NASS Final Crop Inundation Layer.