

Hurricane Fiona – Puerto Rico

Assessment Period: September 16-25, 2022

Publication Date: October 3, 2022

USDA NASS

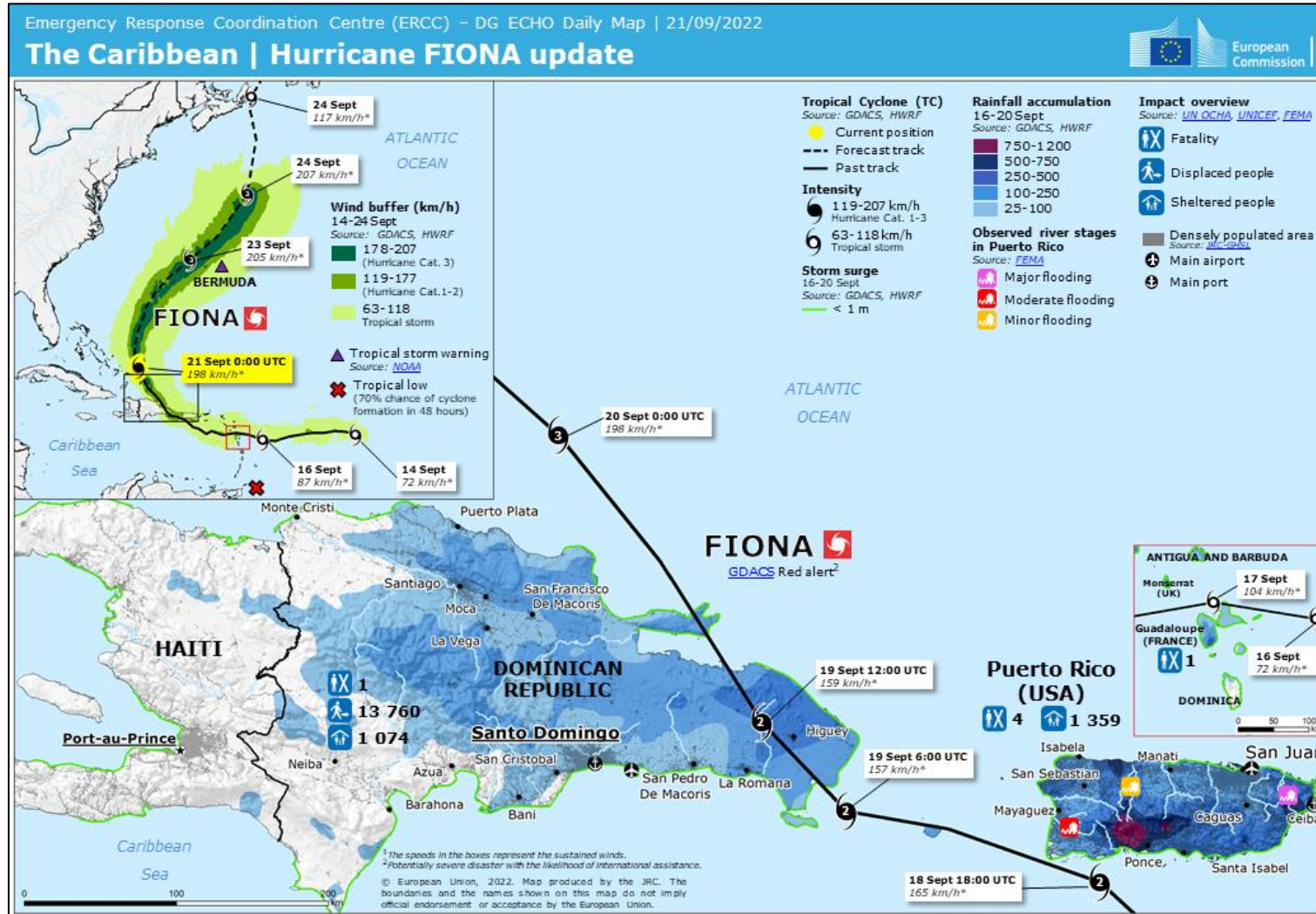
Disaster Monitoring Team



Event Summary

- **Location:** Puerto Rico
- **Timeframe:** Mid September 2022
 - Hurricane made landfall in Puerto Rico on September 16, 2022
- **Event:** Hurricane Fiona
(<https://www.washingtonpost.com/nation/2022/09/21/puerto-rico-hurricane-fiona-flooding/>)
 - Widespread damage across the island to agriculture
 - Plantain crops destroyed (<https://wusfnews.wusf.usf.edu/2022-09-24/fiona-destroyed-most-of-puerto-ricos-plantain-crops-a-staple-for-peoples-diet>)
 - Agriculture affected due to possible inundation, heavy winds, mudslides, etc.

Event Summary

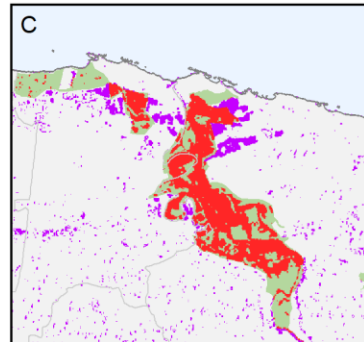
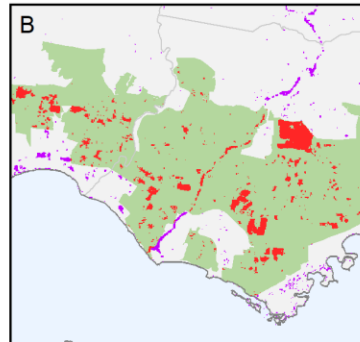
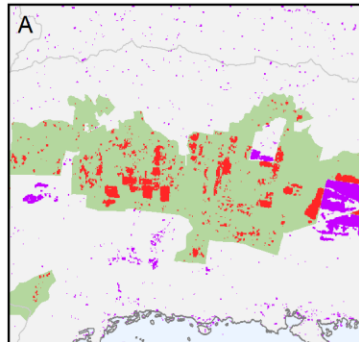
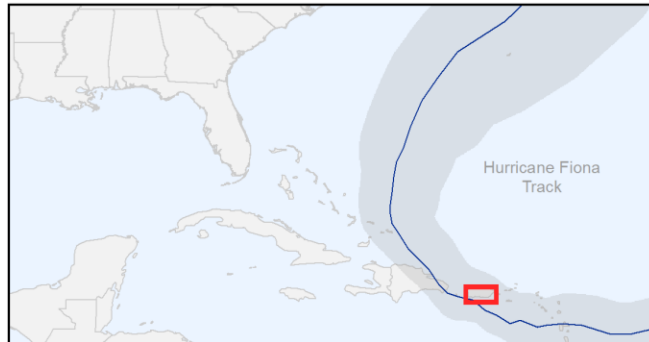
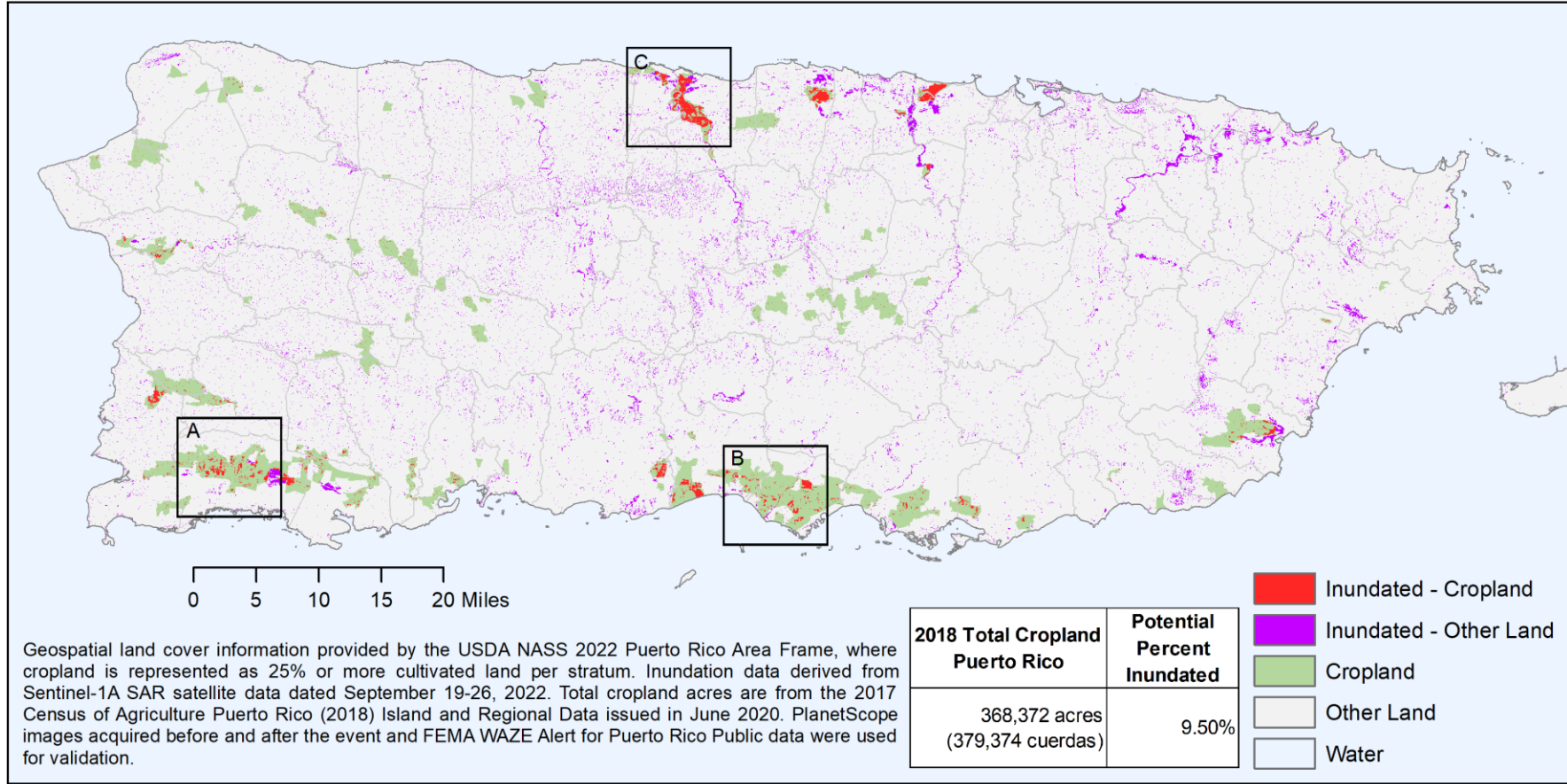


<https://www.gdacs.org/report.aspx?eventid=1000916&episodeid=8&eventtype=TC>

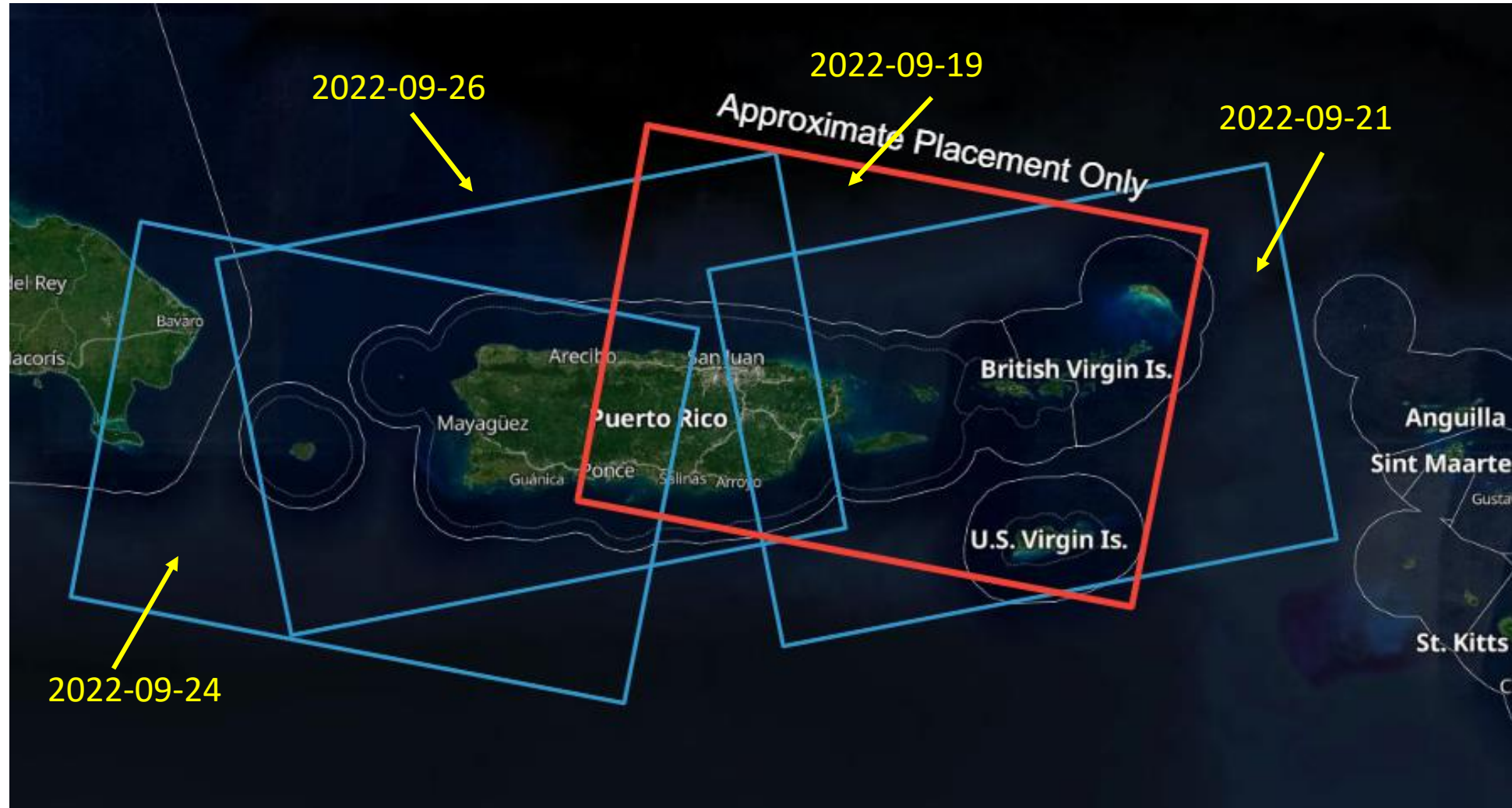




Agriculture Affected by Hurricane Fiona Flooding in Puerto Rico - September 2022

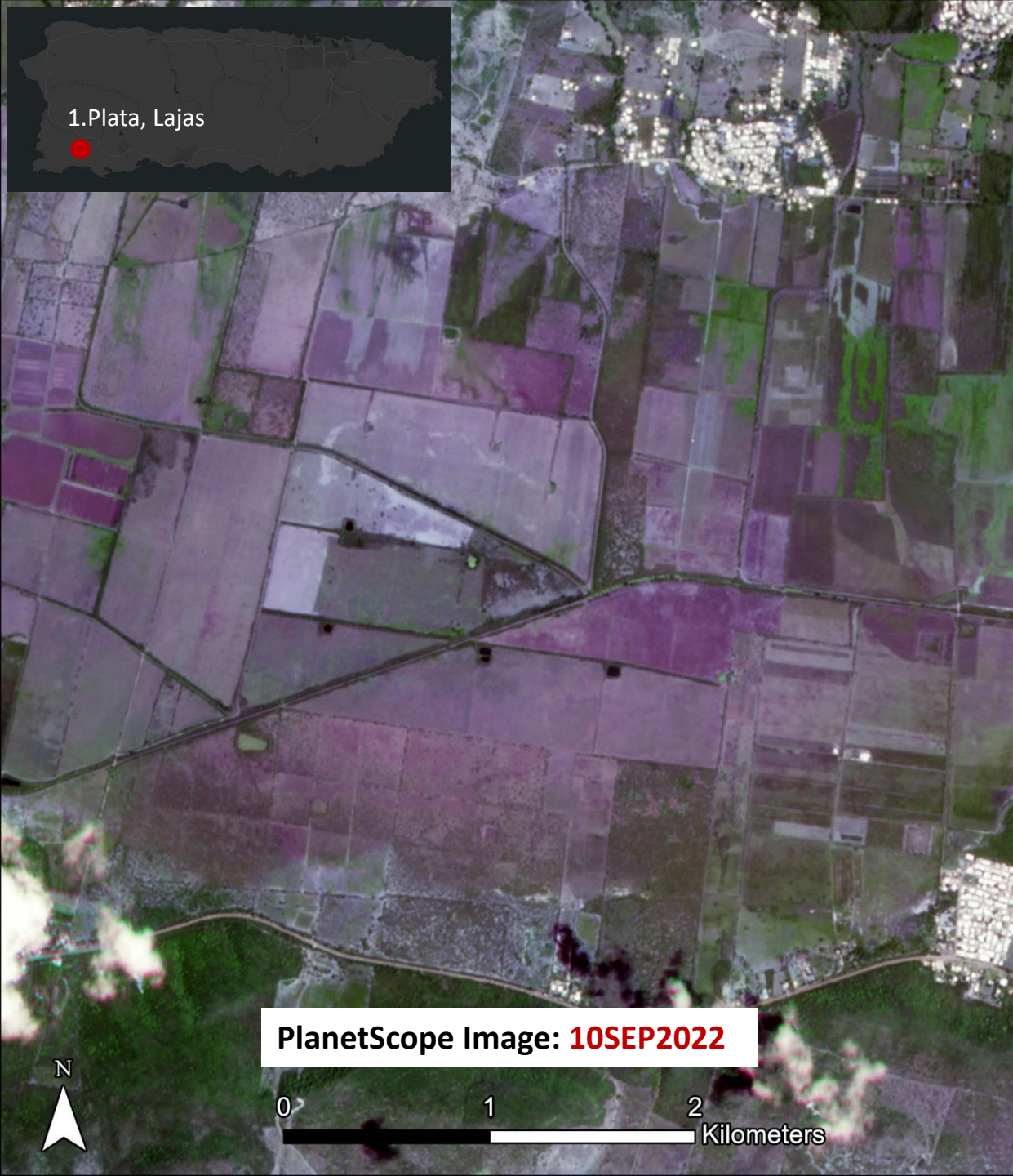
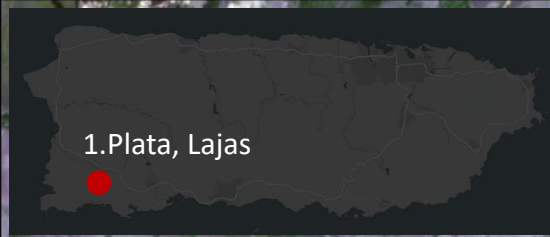


Sentinel-1A SAR Imagery Footprints for Flood Inundation Mapping



Puerto Rico: Inundated Areas Derived from Sentinel-1A SAR Satellite Data (September 19-26)





PlanetScope Image: **10SEP2022**

0 1 2 Kilometers



PlanetScope Image: **25SEP2022**

0 1 2 Kilometers

2. Río Arriba
Poniente, Manatí



PlanetScope Image: 14SEP2022

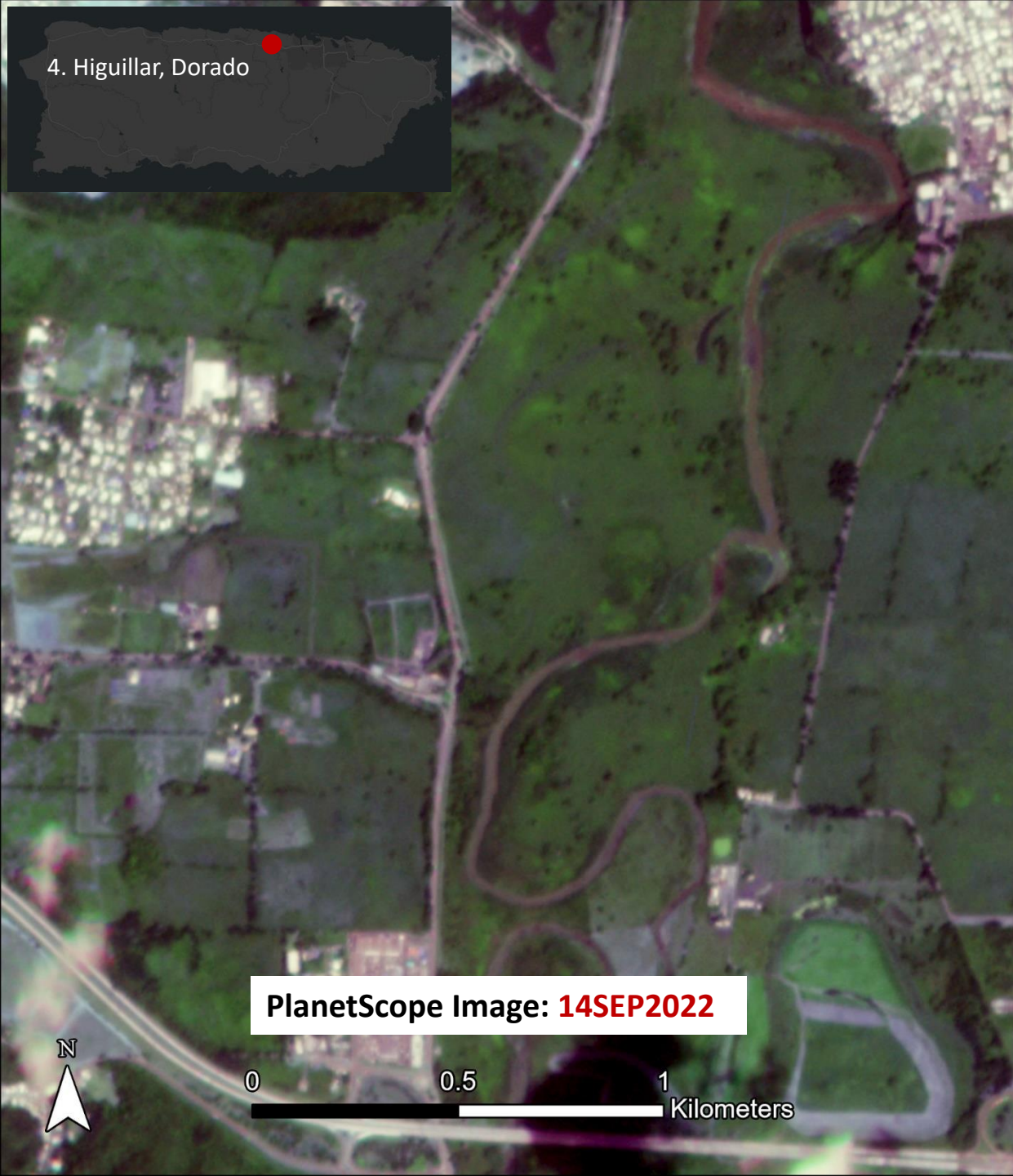


PlanetScope Image: 25SEP2022

3. Ceiba, Vega Baja



4. Higuillar, Dorado



5. Sabana Seca, Toa Baja



6. Galateo, Toa Alta



7. Santa Isabel

PlanetScope Image: **14SEP2022**

0 0.5 1 Kilometers

PlanetScope Image: **23SEP2022**

0 0.5 1 Kilometers

8. Jobos, Guayama

PlanetScope Image: **13SEP2022**

0 1 2

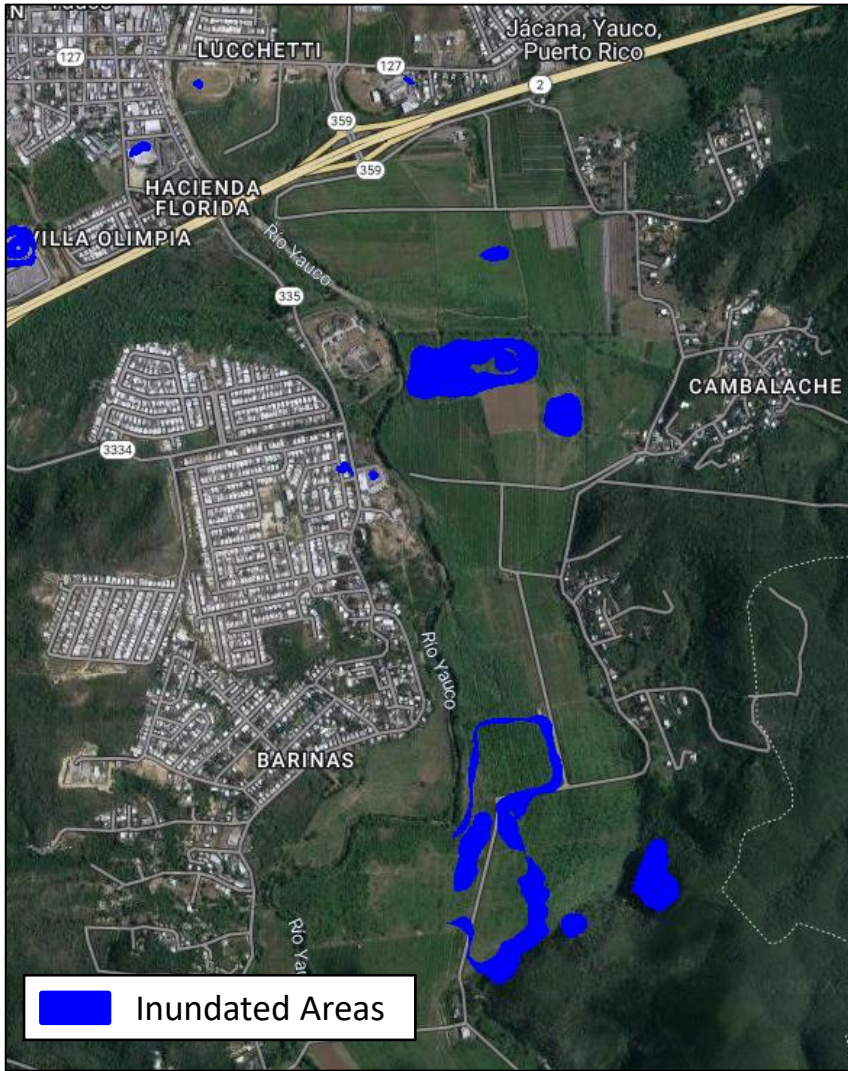
Kilometers

PlanetScope Image: **22SEP2022**

0 1 2

Kilometers

September 19, 2022 - Yauco, Puerto Rico Provided by Agro. Emmanuel Lasalle

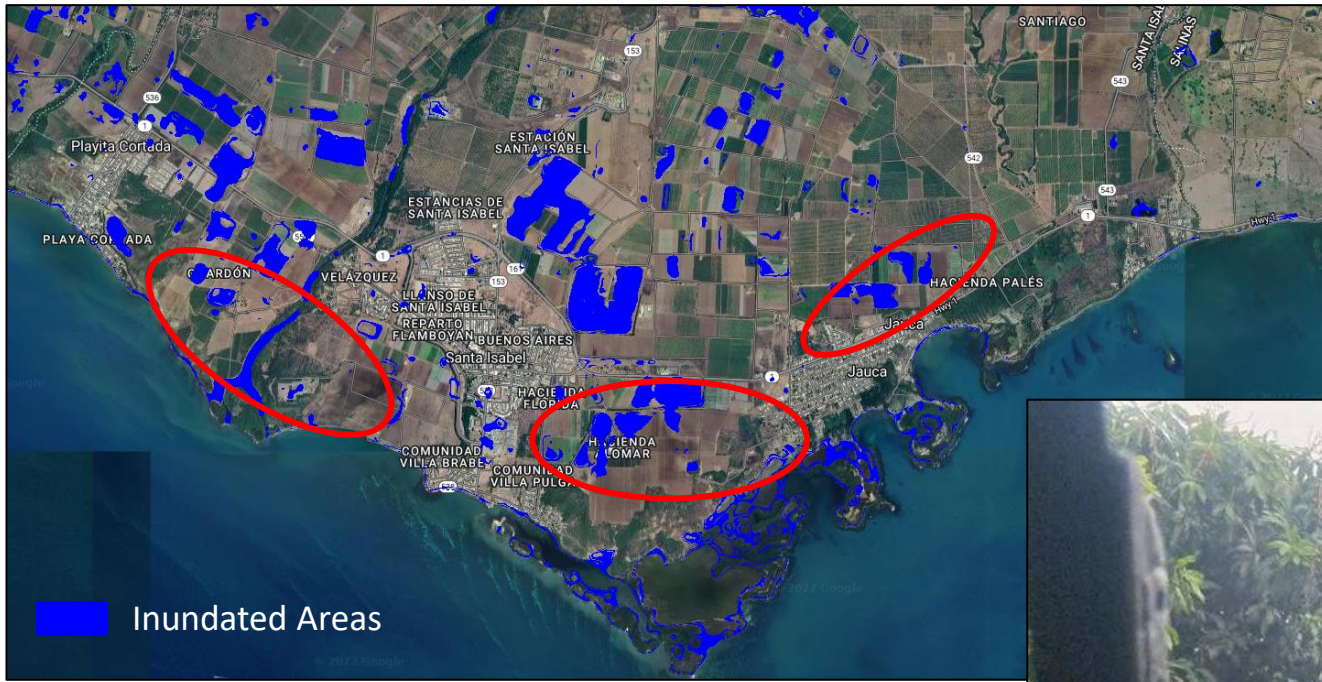


Inundation data based on Sentinel-1
imagery dated September 24.



September 26, 2022 - Yauco, Puerto Rico Provided by Agro. Emmanuel Lasalle





September 2022 - Santa Isabel, Puerto Rico
Provided by Agro. to Pedro Hernandez

Inundation data based on Sentinel-1 imagery dated September 19 & 26.



Martex Farms
Santa Isabel, P. R.
Provided by Agro. Pedro Hernandez

Hurricane Fiona
September 2022

