



ICEYE Flood News Bulletin

October 11th, 2024

Flood images and information on ICEYE's response and analysis - October 11th, 2024
Hurricane Milton, Florida

Flood Images and Information - October 11th, 2024

Hurricane Milton made landfall near Siesta Key, Florida, on the evening of October 9th, 2024. It struck as a powerful Category 3 hurricane with maximum sustained winds of 120 mph. The storm caused significant storm surges and widespread power outages across Florida's Gulf Coast. The storm has since moved inland, reducing in strength but leaving extensive flooding and damage in its wake.

ICEYE has been monitoring the storm and its impacts since its formation, acquiring over 100 SAR satellite images of the impacted areas through thick storm clouds and even at night. We delivered the first flood extent and depth analysis on October 10th, focusing on the west coast of Florida.

Based on our initial data from Release 1, we see the number of buildings impacted being similar to, or even more than Helene which totaled over 150,000 buildings in Florida.

Our team of flood experts continues to monitor the situation and analyze and process satellite data to provide near real-time flood extent and depth information to emergency management organizations, public authorities, and insurance companies in the region.

ICEYE's Flood Insights product combines ICEYE's world-leading SAR satellite imagery with an abundance of third-party data, algorithms and machine learning, supported by a team of experts from the fields of meteorology, hydrology, and advanced geospatial analytics.

We are continuously monitoring the situation and you can find the latest on our analysis and imagery of Hurricane Milton at <https://www.iceye.com/solutions/hurricane-milton-october-2024>.

Download links for the flood situation images for media use:

- Full Florida - [landscape](#) | [square](#) | [B&A animation](#)
- Hillsborough County, FL - [landscape](#) | [square](#) | [B&A animation](#)
- Central Florida - [landscape](#) | [square](#)
- Cape Coral, FL - [landscape](#) | [square](#)
- Sarasota, FL - [landscape](#) | [square](#)
- Sarasota County, FL - [landscape](#) | [square](#)
- North Venice, FL - [landscape](#) | [square](#)
- Cape Coral, FL, zoomed-out - [landscape](#) | [square](#)

Key to the image colors: Dark Red - Very High. Red - High. Orange - Medium. Yellow - Low. Colors indicate the total number of buildings affected by flood water depth category

ICEYE

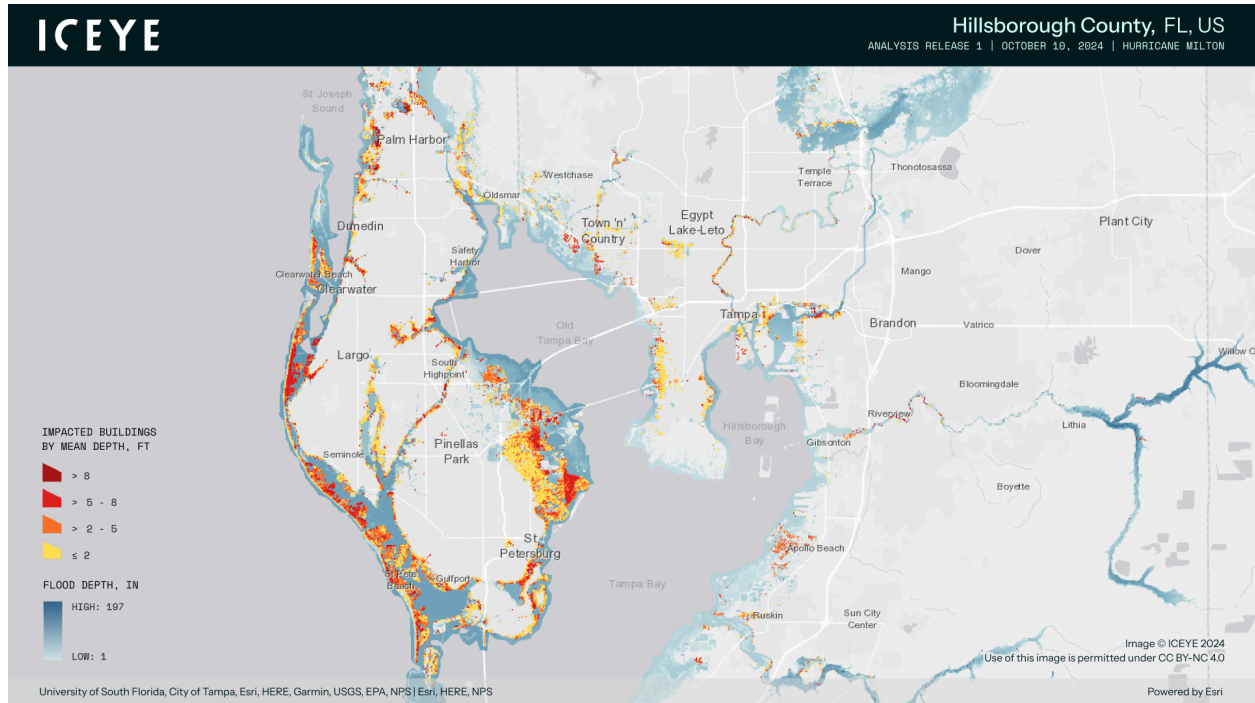


Image: Flood extent, depth and building impact around Hillsborough County, FL, based on the first release of ICEYE's flood analysis from October 10th, 2024.

Key to the image colors: Dark Red - Very High. Red - High. Orange - Medium. Yellow - Low. Colors indicate the total number of buildings affected by flood water depth category

ICEYE

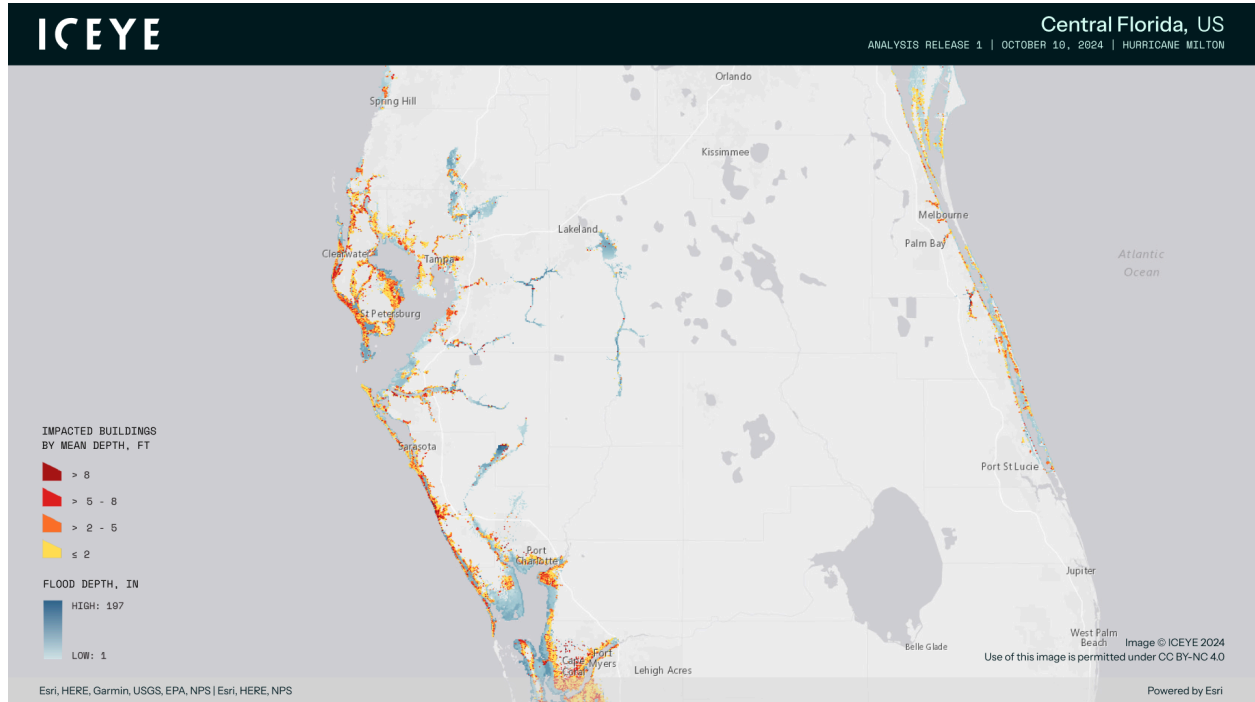


Image: Flood extent, depth and building impact around Central Florida, based on the first release of ICEYE's flood analysis from October 10th, 2024.

Key to the image colors: Dark Red - Very High. Red - High. Orange - Medium. Yellow - Low. Colors indicate the total number of buildings affected by flood water depth category

ICEYE

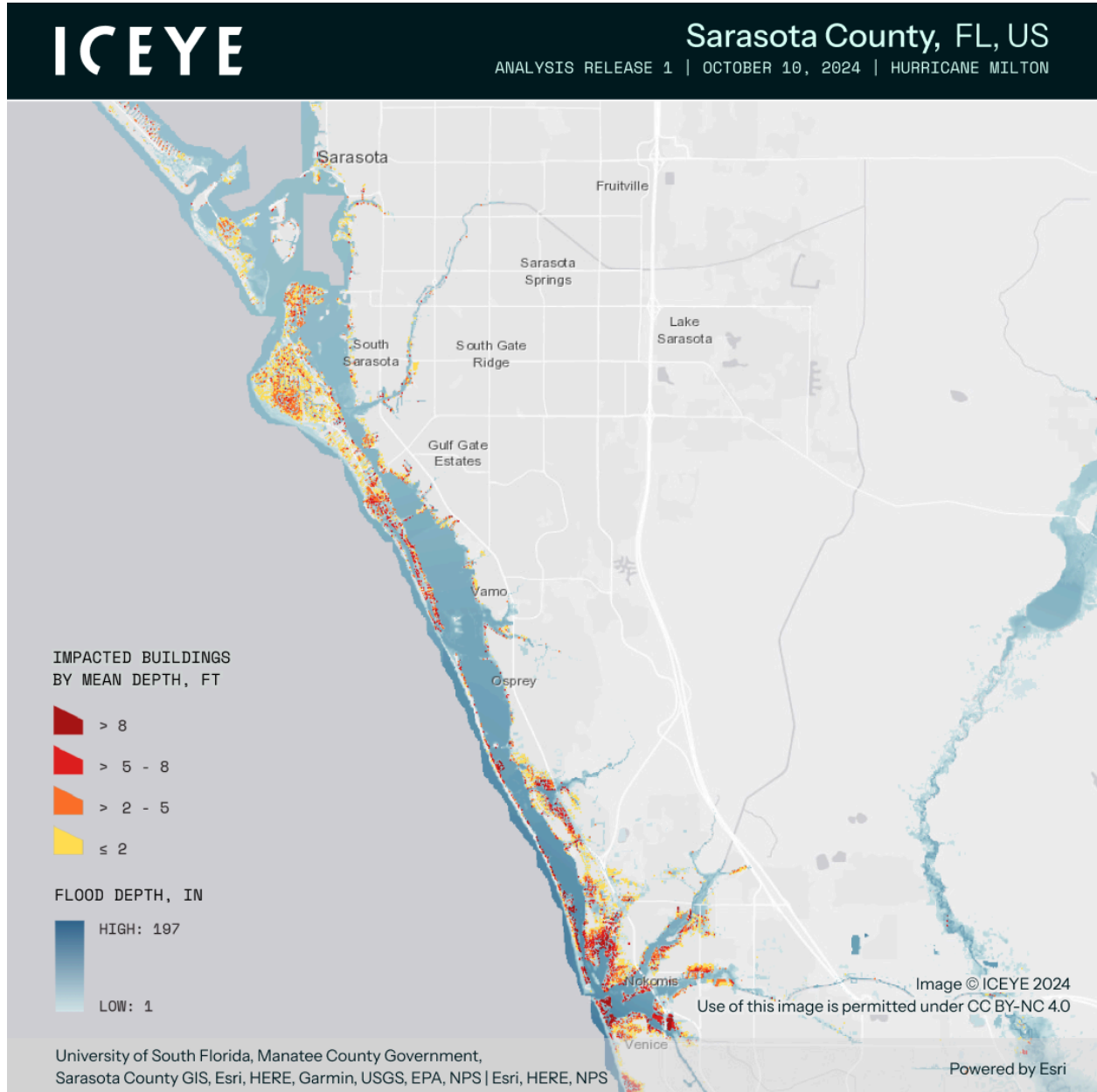


Image: Flood extent, depth and building impact around Sarasota County, Florida, based on the first release of ICEYE's flood analysis from October 10th, 2024.

Key to the image colors: Dark Red - Very High. Red - High. Orange - Medium. Yellow - Low. Colors indicate the total number of buildings affected by flood water depth category



Hurricane Helene Final Analysis

Our analysis of Hurricane Helene was finalized on October 8th, 2024. In Florida, there were over 150,000 buildings damaged with more than 13,000 inundated by over 5 feet of water. You can find more information about ICEYE's analysis and imagery from Hurricane Helene at <https://www.iceye.com/blog/hurricane-helene-observed-data>

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About ICEYE

ICEYE delivers unparalleled persistent monitoring capabilities to detect and respond to changes in any location on Earth, faster and more accurately than ever before.

Owning the world's largest synthetic aperture radar (SAR) satellite constellation, ICEYE provides objective, near real-time insights, ensuring that customers have unmatched access to actionable data, day or night, even in challenging environmental conditions. As a trusted partner to governments and commercial industries, ICEYE delivers intelligence in sectors such as insurance, natural catastrophe response and recovery, security, maritime monitoring, and finance, enabling decision-making that contributes to community resilience and sustainable development.

ICEYE operates internationally with offices in Finland, Poland, Spain, the UK, and the US. We have more than 700 employees, inspired by the shared vision of improving life on Earth by becoming the global source of truth in Earth Observation.

Visit www.iceye.com and follow us on LinkedIn at [ICEYE Global](#) and [X](#) for the latest updates and insights.

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