



# ICEYE Flood News Bulletin

## September 30, 2024

**Flood images and information on ICEYE's response and analysis - Sept 30, 2024**  
**Hurricane Helene, Florida panhandle, Georgia, and the Southern Appalachians**

### **Flood Images and Information - September 30, 2024**

Hurricane Helene made landfall on September 26th in the Big Bend region of the Florida panhandle. With winds reaching 140mph, it was a category 4 storm that ranked among the most powerful to strike the United States. It continued moving inland, leaving a trail of flood and wind destruction in the Southeast US.

ICEYE has been monitoring the storm and its impacts since its formation, acquiring over 350 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 September 28th, focusing on the west coast of Florida. Two more releases of our flood analysis have been produced since, covering additional areas in the Florida panhandle, Georgia, and the Southern Appalachians.

Based on our latest data, over 100,000 buildings have been impacted across Florida, North Carolina, Tennessee, Georgia, Virginia, South Carolina, and West Virginia, with at least 10,000 buildings inundated by over 60 inches (over 5 feet; 152 centimeters) of water.

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.

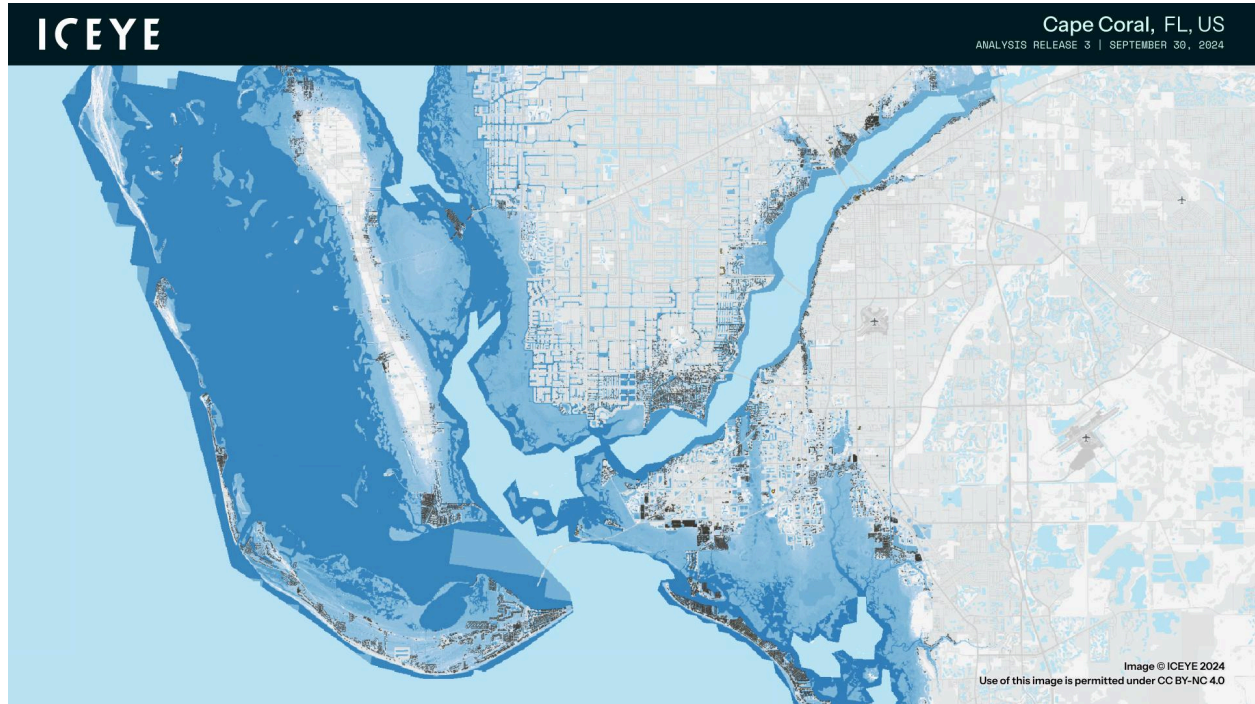
ICEYE's Flood Insights product combines ICEYE's world-leading SAR satellite imagery with an abundance of third-party data, algorithms and machine learning, supported by a team of experts from the fields of meteorology, hydrology, and advanced geospatial analytics.

### **Download links for the flood situation images for media use:**

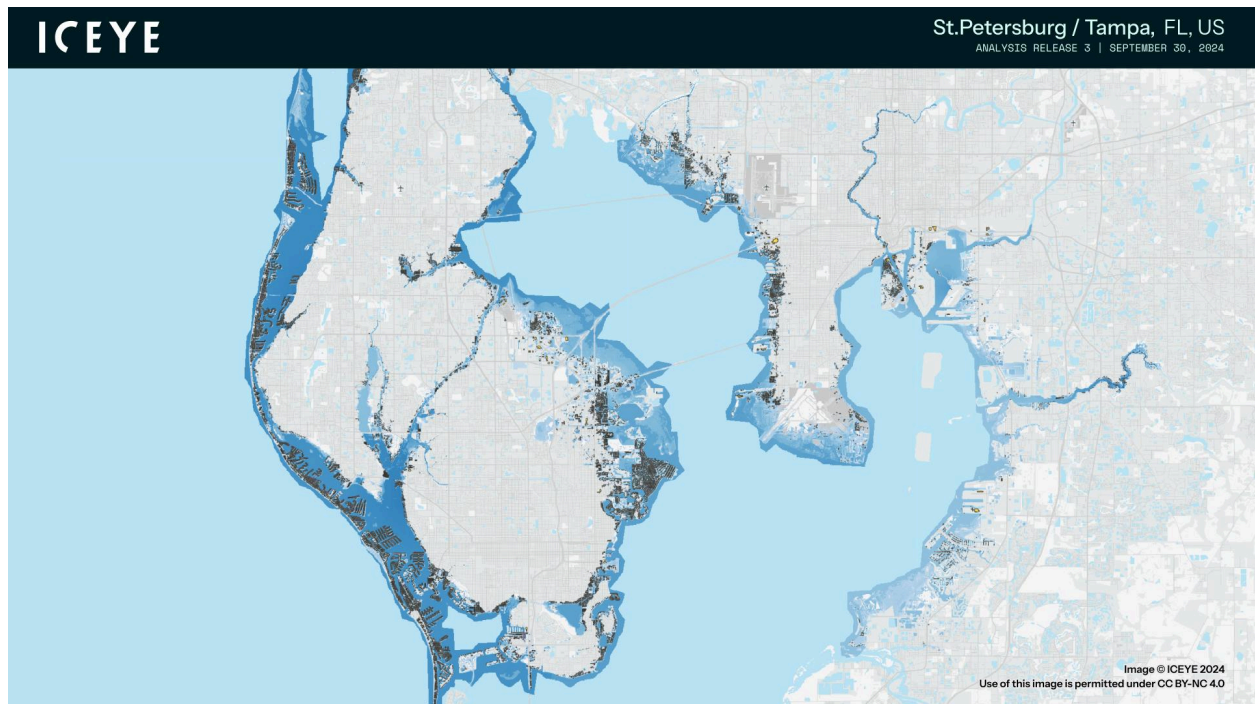
- **Asheville, NC**
  - [before & after animation](#)
  - [Zoomed-out still](#) | [Zoomed-in still](#)
- [Atlanta, GA](#)
- [Cape Coral, FL](#)
- [Charlotte Harbor, FL](#)
- [St. Petersburg / Tampa, FL](#)

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

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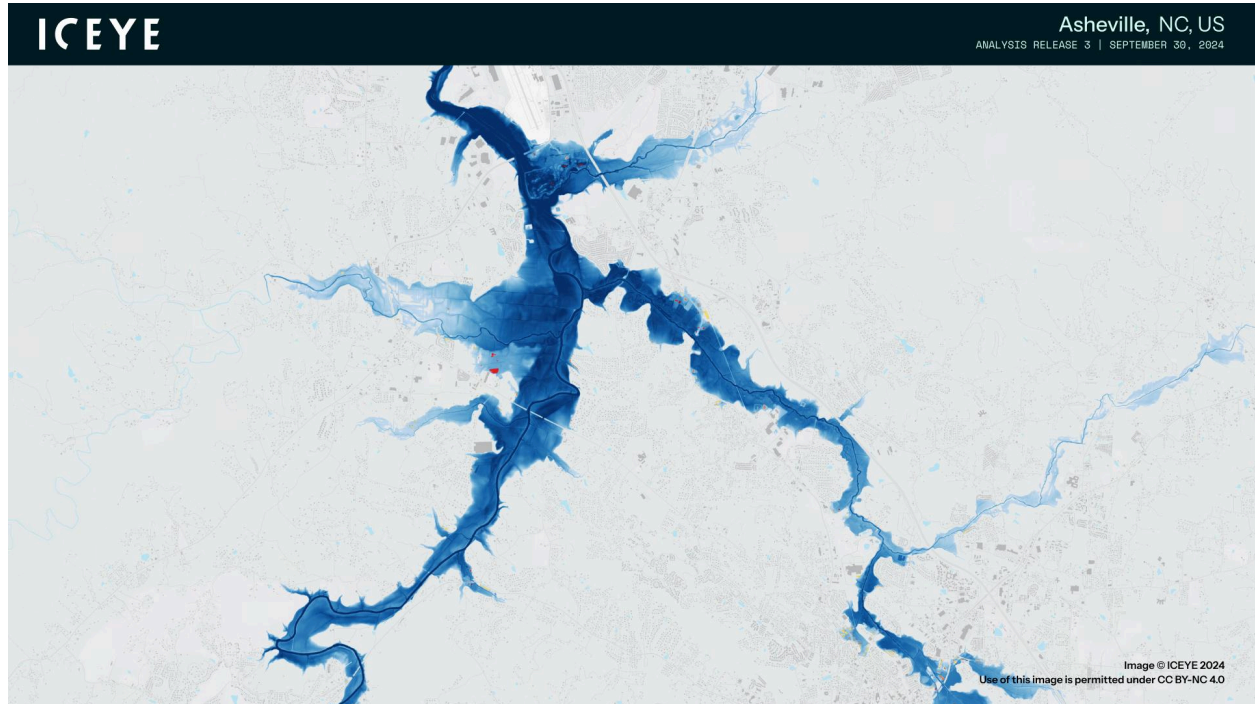
**Image:** Flood extent and depth around Asheville, NC, based on the third release of ICEYE's flood analysis from September 30, 2024.



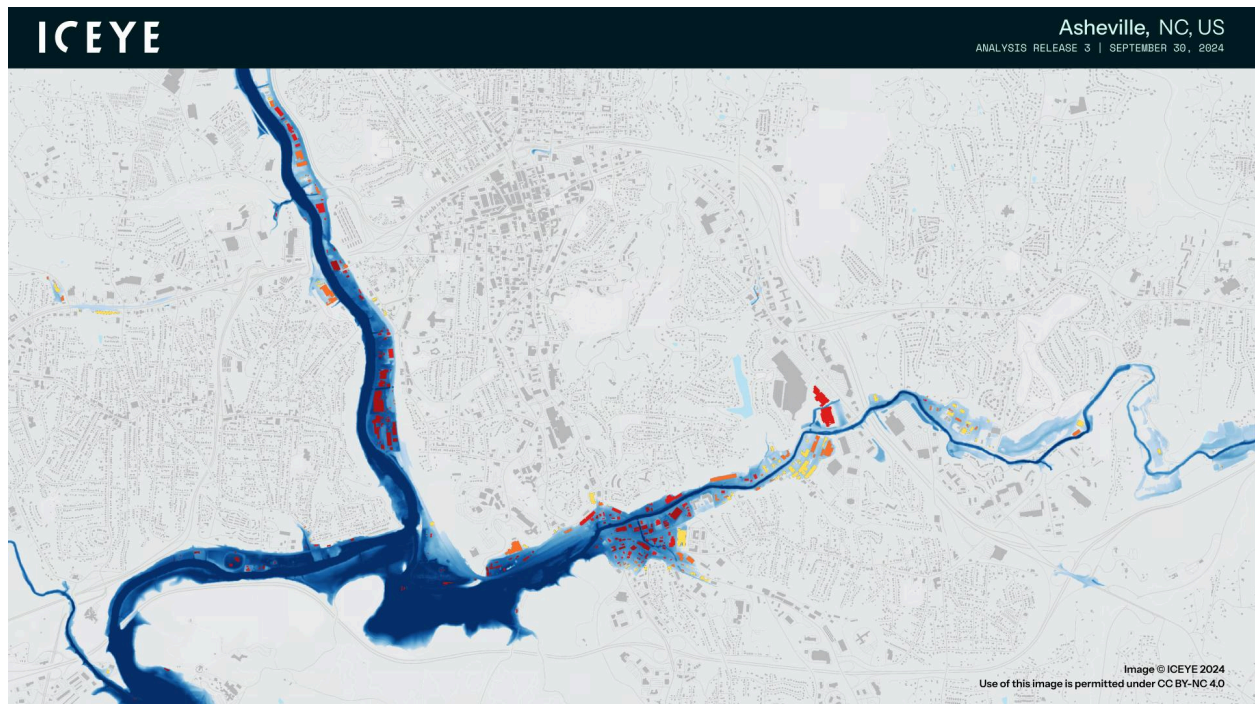
**Image:** Flood extent and depth around Asheville, NC, based on the third release of ICEYE's flood analysis from September 30, 2024.

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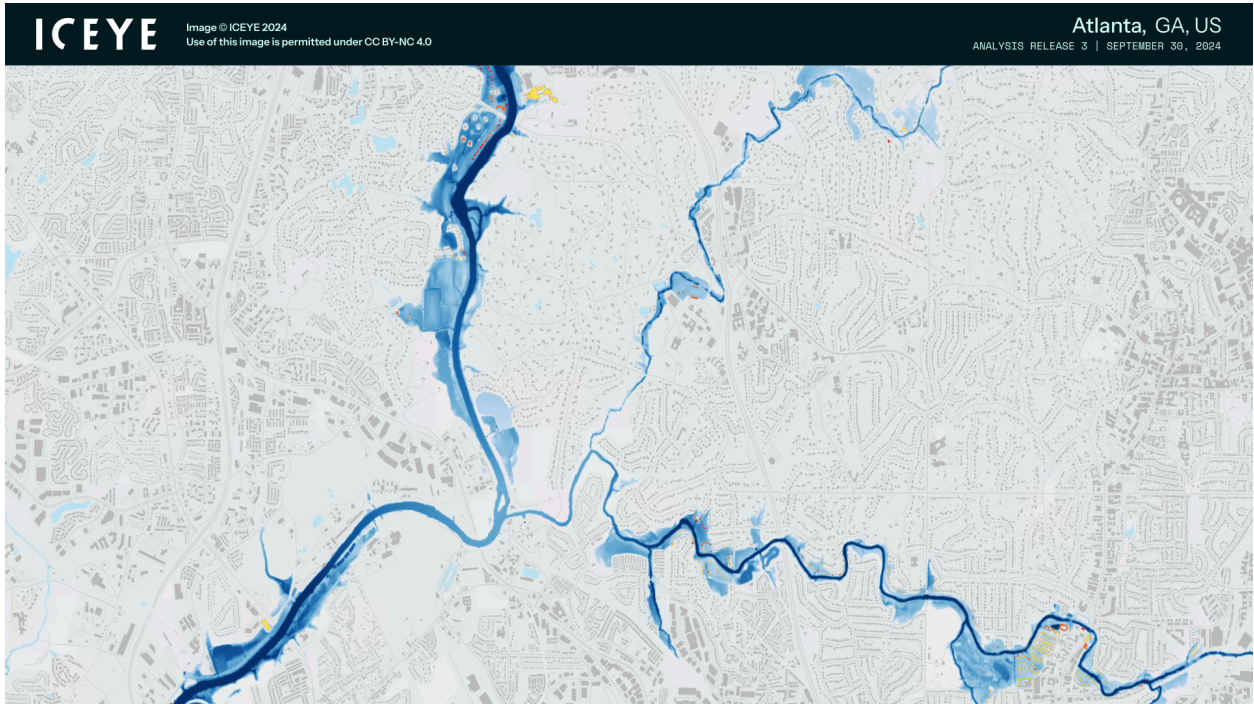
**Image:** Flood extent and depth around Asheville, NC, based on the third release of ICEYE's flood analysis from September 30, 2024.



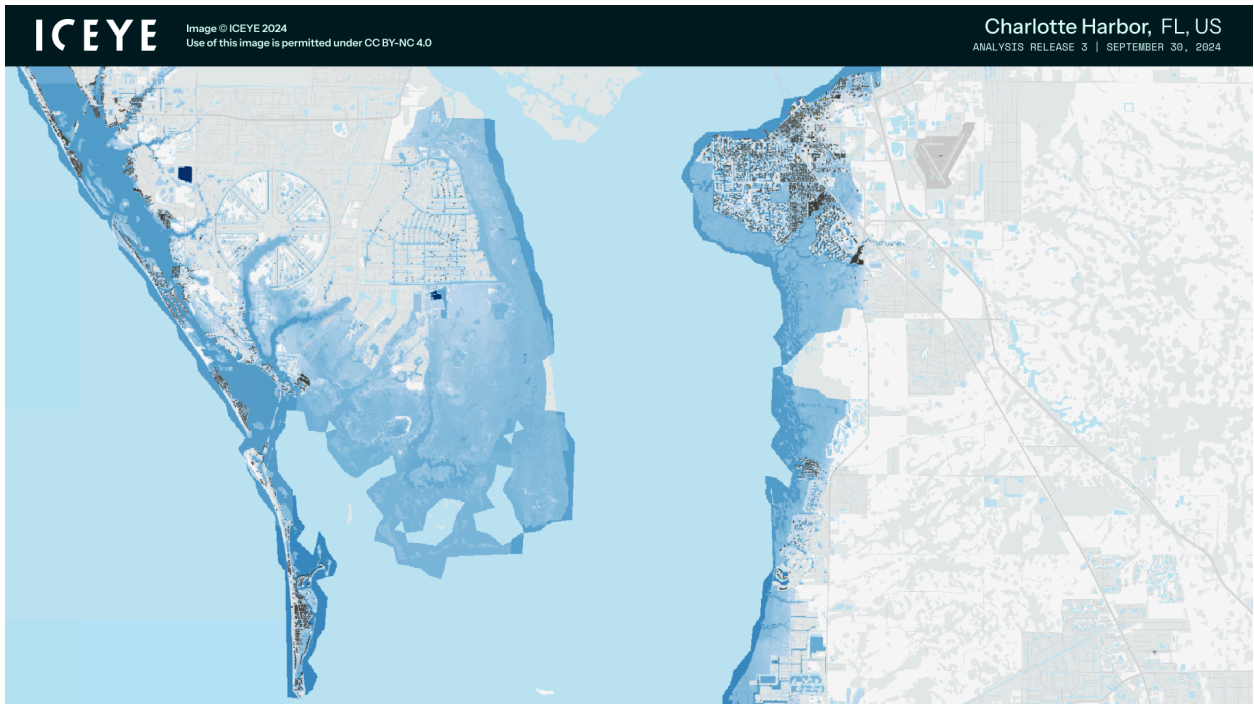
**Image:** Flood extent and depth in Asheville, NC, based on the third release of ICEYE's flood analysis from September 30, 2024.

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**Image:** Flood extent and depth in Atlanta, GA, based on the third release of ICEYE's flood analysis from September 30, 2024.



**Image:** Flood extent and depth in Charlotte Harbor, FL, based on the third release of ICEYE's flood analysis from September 30, 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

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## **Contacts for the media:**

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

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