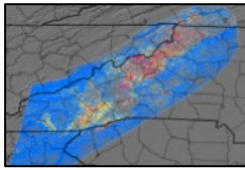


1. Southern Appalachian Impacts: NC-SC-TN-VA (10/24/2024)

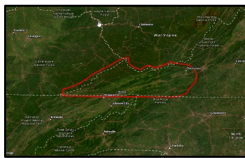


Description: These rapid assessment products show likely impacts of Hurricane Helene across the southern Appalachian forests using change in NDVI from 10m Sentinel-2 imagery for Oct. 2024 compared to Oct. 2023. Both the "Four Types" and "Major Damage" maps represent severity and uncertainty.

Data type and format: various analytical*, 1-band rasters, continuous 1yr NDVI change values, rescaled (x100) signed 8-bit integer; various categorical**, 4-class, 1-band, unsigned 4-bit integer, greyscale, for visual analysis requires the layer-specific layer file to colorize to our color scheme or apply your own; ESRI polygon shapefile***

Dataset	AGOL*	Download	Color file
Hurricane Helene Forest-only NDVI change*	link	link	.clr
Hurricane Helene 'all-lands' 1yr NDVI change*	link	link	.clr
Hurricane Helene Forest Impacts, Four Type classes**	link	link	.lyr
Hurricane Helene Major Forest Damage classification**	link	link	.lyr
Hurricane Helene Forest Impact Type-1 polygons***	link	link	n/a

2. Southwest Virginia Impacts (10/24/2024)

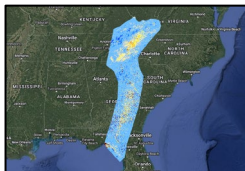


Description: 1yr NDVI change processed to the Major Forest Damage classification: (1) Evergreen Severe Damage, DN=4, (2) Deciduous Severe Damage, DN=1, (3) Severe Damage Likely, DN=2 and (4) Severe Damage Possible, DN=3.

Data type and format: categorical 4-class, 1-band, unsigned 4-bit integer, greyscale, for visual analysis requires the layer-specific layer file to colorize to our color scheme or apply your own.

Dataset	AGOL*	Download	Color file
Sw VA Hurricane Helene Major Forest Damage classification	link	link	<i>in download</i>

3. Regional Impacts: FL-GA-SC-NC-TN-VA (10/24/2024)



Description: This early rapid assessment product was created soon after the event using 10m Sentinel-2 imagery for a six-state area.

Data type and format: analytical, 1-band, continuous 1yr NDVI change values, rescaled (x100) signed 8-bit integer, all-lands (not masked), greyscale, for visual analysis requires the HiForm color map (.clr) to replicate the HiForm NDVI change legend color ramp.

Dataset	AGOL*	Download	Color file
Hurricane Helene Regional 'all-lands' NDVI change	link	link	.clr

4. Piedmont and Coastal Plain Pine Impacts: FL-GA-SC (10/24/2024)



Description: This dataset focuses on Hurricane Helene impacts to the Coastal Plain and Piedmont provinces. By separating conifer and mixed forest, it provides more precise insight into how impacts may have affected the industrial softwood timber sector.

Data type and format: analytical, 1-band, continuous 1yr NDVI change values, rescaled (x100) signed 8-bit integer, masked to NLCD 2021 conifer-mixed forest, greyscale, for visual analysis requires the HiForm color map (.clr) to replicate the HiForm NDVI change legend color ramp.

Dataset	AGOL*	Download	Color file
Hurricane Helene Pine and Mixed Forest NDVI Change	link	link	.clr