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PNSWSH

Service Change Notice 24-78  
National Weather Service Headquarters Silver Spring MD  
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To:           Subscribers:  
              -NOAA Weather Wire Service  
              -Emergency Managers Weather Information Network  
              -NOAAPort  
              Other NWS Partners, Users and Employees

From:         Kari Sheets, Chief  
              Weather Information Distribution Services Branch

Subject: The National GIS Map Viewer (the "Viewer") Marine Program Site will become Operational: Effective on or about Monday, August 5, 2024

Effective on or about Monday, August 5, 2024 at 1300 Coordinated Universal Time (UTC), the National Weather Service (NWS) National Geographic Information System (GIS) Map Viewer (the "Viewer") marine program site hosted on the Amazon Web Services public cloud will transition from experimental to operational status. This is in addition to the operational sites from Service Change Notice (SCN) 22-92:

[https://www.weather.gov/media/notification/pdf2/scn22-92\\_national\\_map\\_viewer\\_t2o.pdf](https://www.weather.gov/media/notification/pdf2/scn22-92_national_map_viewer_t2o.pdf)

and SCN 24-52:

[https://www.weather.gov/media/notification/pdf\\_2023\\_24/scn24-52\\_gis\\_viewer\\_t2o\\_tropical.pdf](https://www.weather.gov/media/notification/pdf_2023_24/scn24-52_gis_viewer_t2o_tropical.pdf)

The remaining program sites (Fire, Severe, Winter, Space, Climate, and Aviation) will remain experimental at this time. Once the remaining program sites are ready to transition to operational status, additional SCNs will be issued.

As NWS data and sources increase in size and frequency, providing the capability for assimilating the data and making it more easily accessible and viewable by NWS users and partners/stakeholders is paramount.

Interactive, web-based geospatial products, including geospatial services and map viewers, are universal methods to serve many of these assimilation needs. Interactive maps driven by geospatial services can serve all data from rapidly updating products (e.g., Multi-Radar Multi-Sensor [MRMS] data) to more traditional products (e.g., precipitation forecasts and event-driven watches and warnings). The NWS has developed the Viewer and program sites based on the aforementioned functional and data requirements provided by NWS staff based on feedback from their stakeholders.

The Viewer is the result of a NWS partnered effort with NOAA's National Ocean Service to leverage the Environment Response Management Application (ERMA) software and customize it to meet NWS' functional requirements.

The following GIS program sites are transitioning to Operational status:

Marine URL: <https://viewer.weather.noaa.gov/marine>

The following GIS program sites will remain experimental at this time:

Fire URL: <https://viewer.weather.noaa.gov/fire>

Severe URL: <https://viewer.weather.noaa.gov/severe>

Winter URL: <https://viewer.weather.noaa.gov/winter>

Space URL: <https://viewer.weather.noaa.gov/space>

Climate URL: <https://viewer.weather.noaa.gov/climate>

Aviation URL: <https://viewer.weather.noaa.gov/aviation>

Technical functionality and the "look and feel" will be consistent across all the Viewer program sites, but each program site will feature data most relevant to the type of weather, water, and/or climate focus areas represented by the program site.

Recent changes to the Marine Program Site include:

1. Beach Hazards Widget
2. Addition of Marine Hazards layer
3. Addition of Beach Hazards layer

Additional data and functionality will be added periodically in the future.

For more information, please contact:

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National Service Change Notices are online at:

<https://www.weather.gov/notification/>

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