

NOUS41 KWBC 101625 AAA
PNSWSH

Service Change Notice 19-98 Updated
National Weather Service Headquarters Silver Spring MD
125 PM EST Tue Dec 10 2019

To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPORT
 Other NWS Partners, Users and Employees

From: Ben Kyger, Director
 NCEP Central Operations

Subject: Updated: New Services and Updates to the NWS IDP GIS
 Effective December 17, 2019

Updated to change the effective date from December 10 to December 17.

Effective on or about Tuesday, December 17, 2019, beginning at 1800 Coordinated Universal Time (UTC), the National Centers for Environmental Prediction (NCEP) Central Operations (NCO), in coordination with NOAA/NWS Office of Dissemination (DIS) will upgrade the Integrated Dissemination Program (IDP) Geographic Information System (GIS) Services to version 2.4.

In 2014, NOAA's National Weather Service started a new project within the Integrated Dissemination Program (IDP) to move GIS web services from a research/proof-of-concept posture into fully operational status. The goal of the project was to stand-up GIS systems, established standards, and allow for consistent dissemination formats and protocols across several NOAA datasets and products. Two GIS stacks have been stood-up. One stack runs Environmental Systems Research Institute (ESRI) ArcGIS server and the other stack runs Boundless OpenGeo Server. Both stacks aim to disseminate GIS services using standards outlined by the Open Geospatial Consortium (OGC). GIS is served out of NOAA operational center that has 24/7 support and is geographically diverse with two separate locations to enhance availability.

IDP-GIS will provide users with access to the new products as web mapping services and has fixed some existing services.
<https://idpgis.ncep.noaa.gov>

Major component changes include:

(1) New Products/Services

All output can be found on the IDP GIS Web Services:
<https://idpgis.ncep.noaa.gov/arcgis/rest/services/>

- Added NWM Lakes and Reservoirs
Path: NWS/NWM_Lakes_and_Reservoirs/MapServer

- Added USGS Stream Gauges
Path: NWS/USGS_Stream_Gauges/MapServer

Air Quality from National Digital Guidance Database (NDGD)

- Air Quality one hour Max Ozone Concentration after post-processing to reduce biases

Path:

NWS_Forecasts_Guidance_Warnings/ndgd_ozone_1hr_max_time_bc/ImageServer

- Air Quality one hour Average Ozone Concentration after post-processing to reduce biases

Path:

NWS_Forecasts_Guidance_Warnings/ndgd_ozone_1hr_avg_time_bc/ImageServer

- Air Quality Eight hour Average Ozone Concentration after post-processing to reduce biases

Path:

NWS_Forecasts_Guidance_Warnings/ndgd_ozone_8hr_avg_time_bc/ImageServer

- Air Quality Eight hour Max Ozone Concentration after post-processing to reduce biases

Path:

NWS_Forecasts_Guidance_Warnings/ndgd_ozone_8hr_max_time_bc/ImageServer

(2) Updates to the following existing services:

Updates to WWA service:

- The Symbology is being updated, no user impacts
Path: NWS_Forecasts_Guidance_Warnings/watch_warn_adv/MapServer

Reconfiguring spc_wx_outlks service

- The metadata is updated
 - a) Updated ordering order of the layers
 - b) Grouped layers differentlyPath: NWS_Forecasts_Guidance_Warnings/SPC_wx_outlks/MapServer

Updated metadata for the following existing services, no user impacts

- Ndfd_temp
- Radar_base_reflectivity
- Radar_base_reflectivity_time
- wpc_qpf
- ahps_riv_gauges
- All existing other ndgd services

For any questions about the GIS content, please contact:

Andrea Hardy

Weather Information Distribution Services Branch, Chief

NWS Office of Dissemination

Email: idp.gis.support@noaa.gov

For questions about the support of the Web Services, please contact:

Carissa Klemmer

Implementation and Data Services Branch, Chief

NCEP Central Operations

Email: idp-support@noaa.gov

NWS Service Change Notices are online at:
<https://www.weather.gov/notification/>

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