

NOUS41 KWBC 101825 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, 2019 to December
17, 2019.

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 National Water Model (NWM) Lakes and Reservoirs:
Path: NWS/NWM_Lakes_and_Reservoirs/MapServer

- Added U.S. Geological Survey (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 Watch/Warning/Advisory (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 differently

Path: 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:

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

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National Service Change Notices are online at:

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

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