

NOUS41 KWBC 111412
PNSWSH

SERVICE CHANGE NOTICE 07-18
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1012 AM EDT WED APR 11 2007

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS...NOAA WEATHER
WIRE SERVICE /NWWS/ SUBSCRIBERS...EMERGENCY
MANAGERS WEATHER INFORMATION NETWORK /EMWIN/
SUBSCRIBERS...NOAAPORT SUBSCRIBERS...NATIONAL WEATHER
SERVICE /NWS/ PARTNERS AND OTHER USERS...AND NWS
EMPLOYEES

FROM: THOMAS GRAZIANO
ACTING CHIEF...HYDROLOGIC SERVICES DIVISION

SUBJECT: ENHANCEMENTS TO ADVANCED HYDROLOGIC PREDICTION SERVICE
WEB PAGES EFFECTIVE ON OR ABOUT MAY 9 2007

ON OR ABOUT MAY 9 2007 NOAA/S NATIONAL WEATHER SERVICE WILL
ENHANCE SERVICES PROVIDED ON ITS ADVANCED HYDROLOGIC PREDICTION
SERVICE WEB PAGES AT /USE LOWER CASE LETTERS/:

[HTTP://WEATHER.GOV/AHPS/](http://weather.gov/AHPS/)

NEW CAPABILITIES WILL INCLUDE BOTH NATIONAL AND LOCAL MAPS SHOWING
FORECAST RIVER LEVELS AND DISTRIBUTION OF OBSERVED PRECIPITATION.
THE RIVER LEVEL FORECASTS WILL COMPLEMENT EXISTING MAPS OF
OBSERVED RIVER LEVELS.

PRECIPITATION INFORMATION WILL DISPLAY SPATIAL VARIATION AT A
RESOLUTION OF 4 KM. PRECIPITATION INFORMATION WILL BE SIMILAR TO
AN EXISTING EXPERIMENTAL SERVICE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.SRH.NOAA.GOV/RFCSHARE/PRECIP_ANALYSIS_NEW.PHP](http://www.srh.noaa.gov/rfcshare/precip_analysis_new.php)

IN ADDITION MUCH OF THE INFORMATION DISPLAYED ON THESE WEB PAGES
WILL BE AVAILABLE FOR DOWNLOAD THROUGH THE MECHANISMS DESCRIBED IN
THE FOLLOWING PARAGRAPHS.

1. XML

OBSERVATIONS AND FORECAST VALUES AT OVER 3700 LOCATIONS WILL BE
AVAILABLE FOR DOWNLOAD IN AN EXTENSIBLE MARKUP LANGUAGE /XML/
FORMAT. NOTE: THIS CAPABILITY ALREADY EXISTS. IT IS NOT A NEW
FEATURE. THE SCHEMA USED IS DOCUMENTED AT /USE LOWER CASE
LETTERS/:

[HTTP://WEATHER.GOV/OHD/HYDROXC/SCHEMAS/HYDROGEN/HYDROGENDATA.XSD](http://weather.gov/OHD/HYDROXC/SCHEMAS/HYDROGEN/HYDROGENDATA.XSD)

2. RSS

OBSERVED AND FORECAST RIVER LEVELS WILL BE AVAILABLE THROUGH A REAL SIMPLE SYNDICATION /RSS/ SUBSCRIPTION. AN OPTION OF THE SUBSCRIPTION SERVICE WILL PROVIDE INFORMATION ONLY WHEN RIVER LEVELS APPROACH OR EXCEED FLOOD STAGE. THIS SERVICE IS CURRENTLY AVAILABLE ON AN EXPERIMENTAL BASIS IN NORTHEASTERN PORTIONS OF THE COUNTRY. INFORMATION ON THE EXPERIMENTAL SERVICE IS AVAILABLE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/AHPS/RSS/](http://www.weather.gov/ahps/rss/)

3. GIS

INFORMATION WILL BE PROVIDED IN TWO GEOSPATIAL FORMATS: /1/ SHAPEFILES AND /2/ KEYHOLE MARKUP LANGUAGE / KML/KMZ /.

4. SHAPEFILES

A SHAPEFILE CONTAINING RIVER OBSERVATIONS AND A SECOND SHAPEFILE CONTAINING RIVER FORECASTS WILL BE UPDATED HOURLY. THESE SHAPEFILES WILL INCLUDE INFORMATION ABOUT OBSERVATION/FORECAST LOCATIONS INCLUDING LATITUDE...LONGITUDE...LOCATION NAME AND RIVER.

GRIDDED PRECIPITATION BASED ON A CURRENT EXPERIMENTAL SITE WILL ALSO BE AVAILABLE IN SHAPEFILE FORMAT. FOR MORE INFORMATION SEE /USE LOWER CASE LETTERS/:

[HTTP://WWW.SRH.NOAA.GOV/RFCSHARE/PRECIP_DOWNLOAD.PHP](http://www.srh.noaa.gov/rfcshare/precip_download.php)

5. KEYHOLE MARKUP LANGUAGE FILES

KML FILES DEPICTING BOTH RIVER OBSERVATIONS AND RIVER FORECASTS WILL BE AVAILABLE FOR THE CONTIGUOUS UNITED STATES /CONUS/ AND ALASKA.

6. NETCDF

GRIDDED PRECIPITATION WILL ALSO BE AVAILABLE AS NETCDF FILES. FOR MORE INFORMATION...SEE /USE LOWER CASE LETTERS/:

[HTTP://WWW.SRH.NOAA.GOV/RFCSHARE/PRECIP_DOWNLOAD.PHP](http://www.srh.noaa.gov/rfcshare/precip_download.php)

THIS AND OTHER NWS SERVICE CHANGE NOTICES ARE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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