

NOUS41 KWBC 291930 AAA
PNSWSH

Service Change Notice 20-70 Updated
National Weather Service Headquarters Silver Spring MD
330 PM EDT Mon Oct 29 2020

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

From: Michelle Hawkins, Chief
 Severe, Fire, Public and Winter Weather Services Branch

Subject: Updated: Changes to Fire Weather Forecast Zones for WFO Tucson,
AZ: Effective November 10, 2020

Updated to change the effective date due to a Critical Weather Day
declaration.

The planned Fire Weather Zone changes scheduled for October 29, 2020 are
delayed until November 10, 2020. On November 10, the NWS Weather Forecast
Office in Tucson, AZ, (WFO TWC) will reconfigure many fire weather
forecast zones. After this change, all fire weather forecasts and related
products for WFO TWC will use the zone number and names shown below.

If November 10, 2020, is declared a Critical Weather Day, this
implementation will be postponed to November 17, 2020.

WFO TWC, in conjunction with fire partners, has redrawn the zone
boundaries to align with the Fire Danger Rating Areas (FDRA) to better
reflect the topographic, climatic and vegetative characteristics of the
area. Changes will also be made to account for several administrative
boundaries within the forecast area.

The new zones are as follows:

WFO TWC Fire Weather Forecast Zones

New Zone Code	New Zone Name
-----	-----
AZZ150	Sonoran FDRA, Most of Pima County, South Central Pinal County, Tohono O'odham Nation, Tucson Metropolitan Area, TDC

This zone is adjusted to include the entire area covered by the Sonoran
FDRA, which encompasses the lower desert areas of Pima and south central
Pinal counties, the Tohono O'odham Nation and the entirety of the Tucson
metropolitan area.

AZZ151 Western Half Desert Grasslands FDRA, Including Elevations up to 5,500 feet in Southeast Corner of Pinal County, Extreme Eastern Pima County, Western Third of Cochise County, Santa Cruz County, TDC

This zone roughly captures the western half of the Desert Grasslands FDRA. The eastern boundary of this zone is nearly the same as the old 151 and 152 zone boundary and runs along the western and southern boundary of the San Carlos Reservation, then south along the west side of the Galiuro, Winchester, Dragoon and Mule Mountains to the Mexico Border. This area includes the southeast corner of Pinal County, the eastern most portions of Pima County, the Baboquivari Mountains, all of Santa Cruz County and the western third of Cochise County.

AZZ152 Eastern Half Desert Grasslands FDRA, Including Elevations up to 5,500 feet in Southwest Graham County and Eastern Two Thirds of Cochise County, Southern San Carlos Reservation and Southern Greenlee County below 5,000 feet, TDC

This zone roughly captures the eastern half of the Desert Grasslands FDRA which is defined by elevations below 5,500 feet in southwest Graham, the eastern two thirds of Cochise County and southern Greenlee County. The zone is bordered on much of its north by the unchanged Zone AZZ153 which encompasses the White and Gila Mountains of Northeast Graham and Northern Greenlee counties above 5,000 feet.

AZZ153 Northern Graham County, Northern Greenlee County, White and Gila Mountains, Apache Sitgreaves NF, Southern San Carlos Reservation above 5,000 feet, SDC

This zone boundary is unchanged. The name will be adjusted to include higher elevations of the San Carlos Reservation.

AZZ154 Forest Woodlands FDRA, Includes the Sky Islands of Southeast Arizona above 5,500 feet, Coronado NF, TDC

This new zone is meant to match the Forest Woodlands FDRA. It includes elevations above 5,500 feet east of Tucson with the exception of the area already encompassed within zone AZZ153. This includes the sky islands in far eastern Pima, Santa Cruz, Graham and Cochise counties.

Table 1: Universal Geographic Codes (UGC): Current Fire Weather Zone Forecast Name

AZZ150	Western Pima County-South Central Pinal County-Tohono O'odham Nation-TDC-
AZZ151	Eastern Pima County-Southeastern Pinal County-Santa Cruz County-Western Cochise County-Coronado NF-TDC-
AZZ152	Southern Greenlee County-Central and Eastern Cochise County-Southern Graham County-Southern San Carlos Apache Nation-Northern Graham County-
AZZ153	Northern Greenlee County-White and Gila Mountains-Apache Sitgreaves NF-SDC

Table 2: UGC: New Fire Weather Zone Forecast Name

AZZ150	Sonoran FDRA, Most of Pima County, South Central Pinal County, Tohono O'odham Nation, Tuscon Metropolitan Area, TDC
AZZ152	Eastern Half Desert Grasslands FDRA, Including Elevations up to 5,500 feet in Southwest Graham County and Eastern Two Thirds of Cochise County, Southern San Carlos Reservation and Southern Greenlee County below 5,000 feet, TDC
AZZ153	Northern Graham County, Northern Greenlee County, White and Gila Mountains, Apache Sitgreaves NF, Southern San Carlos Reservation above 5,000 feet, SDC
AZZ154	Forest Woodlands FDRA, Includes the Sky Islands of Southeast Arizona above 5,500 feet, Coronado NF, TDC

Table 3: NWS Products Affected by the WFO Tucson, AZ Fire Weather Zone Changes are Listed Below

AWIPS ID	WMO Heading	Product Name
-----	-----	-----
FWFTWC	FNUS55 KTWC	Fire Weather Forecast
RFWTWC	WWUS85 KTWC	Fire Weather Message

NWS partners and users should take the appropriate action to ensure systems recognize the new UGC (Z) and new zone alignments and names.

Updated fire weather zone shapefiles are online at:

<https://www.weather.gov/gis/FireZones>

A graphical depiction of this change is online at:

<https://www.weather.gov/twc/FireWeatherZoneChange>

For more information, please contact:

Kenneth Drozd
Warning Coordination Meteorologist, Tucson, AZ
520-670-5156, x 223
kenneth.drozd@noaa.gov

Carl Cerniglia
Fire Weather Program Leader, Tucson, AZ
520-670-5156, x 233
carl.cerniglia@noaa.gov

National Service Change Notices are online at:

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

NNNN