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PNSWSH

Service Change Notice 19-57 Updated
National Weather Service Headquarters Silver Spring MD
825 AM EDT Tue Sep 10 2019

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

Subject: Updated: Changes to Public Forecast Zones for WFO Albuquerque,
NM: Effective October 10, 2019

Updated to change effective date to on or about October 10, 2019, and to change Critical Weather Day implementation date to October 15, 2019.

On Thursday, October 10, 2019, at 1200 PM Mountain Daylight Time (MDT), 1800 Coordinated Universal Time (UTC), the NWS Weather Forecast Office (WFO) in Albuquerque, NM, (ABQ) will realign public zones within the ABQ area of responsibility.

If Thursday, October 10, 2019 is declared as a Critical Weather Day, this implementation will be postponed to Tuesday, October 15, 2019.

These changes are intended to provide increased flexibility and improved accuracy of forecast, watch, warning and advisory products in the public programs.

Twenty-four (24) current zones will be adjusted and one (1) new zone will be created. To streamline these changes, all forecast zones will be renumbered to begin with 201 and continue through 241. The changes are designed to optimize the issuance of hazard products for conditions that vary significantly across northern and central New Mexico. The specific details are below:

NMZ501 (Northwest Plateau) - Locations along and west of U.S. Highway 550 will be relocated from NMZ503 to NMZ201. The U.S. Highway 550 and State Route 170 corridors are more representative of the climate regime found in NMZ201 compared to eastern NMZ503, and this will improve communication of hazardous weather events that impact commerce, particularly during the winter season.

NMZ502 (Chuska Mountains) - The southern extent of this zone will be shifted north of State Route 264. This will place the highway in NMZ205, which is a better representation of the climate regime and will help in communication of hazardous weather impacts, especially during the winter season and high wind events.

NMZ503 (Far Northwest Highlands) - This zone will expand east-southeast to include a larger portion of the northwest highlands. This shift removes the highlands from the higher terrain (NMZ510) and will improve communication of hazardous weather impacts, especially during the winter season and high wind events. The communities of Monero, Brazos, Tierra Amarilla, El Vado, Lindrith and Heron Lake State Park will be located in NMZ203. A greater portion of U.S. Highways 64/84 and State Routes 112, 537 and 595 will move into this zone.

NMZ504 (Northwest Highlands) - The northeast quadrant of this zone will be relocated to NMZ203 as described above.

NMZ505 (West Central Plateau) - The northwest part of this zone will be shifted north as described in the NMZ502 section.

NMZ506 (West Central Mountains) - A small portion of this zone will expand south to accommodate significant changes to NMZ508 as described below. This adjustment does not impact any communities or travel corridors.

NMZ508 (Southwest Mountains) - The Plains of San Agustin and the adjacent lowlands will be separated into a new zone (NMZ241) due to the significant differences in weather climatology with the nearby mountains. NMZ208 will generally follow the 7,000 or 7,500 feet terrain contour.

NMZ509 (San Francisco River Valley) - This zone will expand northeast within the San Francisco River Valley to capture elevations below 7,000 feet. This change will improve communication of winter, hydrologic and freeze events. The communities of Aragon and Apache Creek will be located in NMZ209, as well as a greater portion of State Routes 12 and 32. This adjustment ensures U.S. Highway 180 remains within NMZ209 before exiting the San Francisco River Valley, improving communication of travel impacts. The far southeast border of this zone will be adjusted to better align with NMZ401-402 found within the County Warning Area (CWA) of WFO El Paso, TX.

NMZ510 (Tusas Mountains including Chama) - The western part of this zone will be relocated to NMZ203 as described above. The eastern boundary previously straddled U.S. Highway 285 and will be moved eastward to improve communication of hazardous weather, especially during the winter season. This adjustment ensures San Antonio Mountain will remain in the higher elevation zone (NMZ210). In addition, the name of this zone will change from the San Juan Mountains to Tusas Mountains including Chama to be consistent with the United States Geological Survey (USGS) Geographic Names Information System (GNIS).

NMZ511 (Jemez Mountains) - Two small sections will be removed from NMZ511. The first section includes the area north of Regina and west of Gallina, and will improve communication of hazardous weather impacts along State Routes 96 and 595. U.S. Highway 550 in the southwest corner of this zone will be relocated to NMZ219.

Note: Current zones encompassing the Sangre de Cristo Mountains of northern New Mexico (NMZ512 through NMZ515) will change significantly to

improve communication of hazardous weather conditions throughout the year and will better reflect the climatology across this region.

NMZ512 (Glorieta Mesa including Glorieta Pass) - The western slopes of the Sangre de Cristo Mountains will be redistributed to neighboring zones (including NMZ213, NMZ214, NMZ216, NMZ217 and NMZ218). The southern part of NMZ512 will expand south to include additional terrain between 7,000 to 7,500 feet, particularly near the Interstate 25 corridor. This will allow a greater portion of State Route 34 to be located within southern NMZ212. In addition, the name of this zone will change from the West Slopes of the Sangre de Cristo Mountains to Glorieta Mesa including Glorieta Pass.

NMZ513 (Northern Sangre de Cristo Mountains) - The elevation of NMZ513 was lowered to account for the adjustment of NMZ512 described above and will expand south to include the northern portions of the Sangre de Cristo Mountains of New Mexico. This will relocate the communities of Amalia, Lama and Shady Brook as well as U.S. Highway 64 into this zone. The name of this zone was adjusted to remove the elevation reference.

NMZ514 (Southern Sangre de Cristo Mountains) - The elevation of NMZ514 was lowered to account for the adjustment of NMZ512 described above and will expand north to include the southern portions of the Sangre de Cristo Mountains of New Mexico. This change will relocate the communities of Llano, Llano Largo, Truchas, Cowles and Tres Ritos as well as a good part of State Route 518 within NMZ214. The name of this zone was adjusted to remove the elevation reference.

NMZ515 (East Slopes of the Sangre de Cristo Mountains) - The west central and southwest portion of this zone will be relocated to NMZ214 as a result of the changes described in the NMZ513 and NMZ514 sections.

NMZ516 (Upper Rio Grande Valley) - The western portion of this zone will be relocated to NMZ210 as described above. The eastern zone border will align with the NMZ213 and NMZ214 borders as described in those sections. The communities of Costilla, Cerro, Questa, San Cristobal, Valdez and Arroyo Seco will be relocated to NMZ216, which is a better representation the climatology and hazardous weather in this region. State Route 522 will be located entirely within this zone.

NMZ517 (Española Valley) - The eastern border of this zone will align with the NMZ214 border as described above. Picuris Pueblo, Rio Lucio, Vadito, Chamisal, Penasco and Rodarte will be relocated to this zone. In addition, parts of State Routes 73, 75 and 76 will be found in NMZ217. The name of this zone will change from Lower Chama River Valley to Espanola Valley to be consistent with the USGS GNIS.

NMZ518 (Santa Fe Metro Area) - The northeast border of this zone will align with the NMZ212 and NMZ214 border as described above. A larger portion of State Route 475 will be relocated to this zone.

NMZ519 (Albuquerque Metro Area) - U.S. Highway 550 was relocated from NMZ511 to NMZ219, specifically the area west of San Ysidro. This will

help in communication of hazardous weather impacts, especially during the winter season and high wind events.

NMZ521 (Sandia/Manzano Mountains including Edgewood) - A section of the eastern border will expand east to include the growing community of Edgewood. A larger portion of Interstate 40 and Historic Route 66 will be located in this zone. The name of this zone will be adjusted to include Edgewood.

NMZ522 (Estancia Valley) - The northwest border of this zone will be relocated to NMZ221 as described above.

NMZ523 (Central Highlands) - The northern border of this zone will be relocated to NMZ212 as described within that section. This adjustment does not impact any communities or major travel corridors.

NMZ525 (Upper Tularosa Valley) - The far southeast border of this zone will better align with NMZ414 found within the CWA of WFO El Paso, TX. This adjustment does not impact any communities or major travel corridors.

NMZ526 (South Central Mountains) - The far southwest border of this zone will be relocated to NMZ225 as described above.

NMZ527 (Johnson and Bartlett Mesas including Raton Pass) - The name of this zone will change from Raton Ridge/Johnson Mesa to Johnson and Bartlett Mesas including Raton Pass given Raton Ridge is not considered a geographical description within the USGS GNIS database.

NMZ241 (San Agustin Plains and Adjacent Lowlands) - This new zone, previously encompassing NMZ508, will include the San Augustin Plains and adjacent lowlands. This adjustment will better reflect the climatology in this region and allow for improved communication of hazardous weather. The community of Datil, the National Radio Astronomy Observatory and parts of U.S. Highway 60 as well as State Routes 12, 52, 107, 166 and 169 will be relocated to this zone.

Table 1: Current Public Zones and Corresponding Universal Geographic Codes (UGC) for WFO Albuquerque, NM

UGC	Current Public Zone Name
NMZ501	Northwest Plateau
NMZ502	Chuska Mountains
NMZ503	Far Northwest Highlands
NMZ504	Northwest Highlands
NMZ505	West Central Plateau
NMZ506	West Central Mountains
NMZ507	West Central Highlands
NMZ508	Southwest Mountains
NMZ509	San Francisco River Valley
NMZ510	San Juan Mountains
NMZ511	Jemez Mountains
NMZ512	West Slopes Sangre de Cristo Mountains

NMZ513	Northern Sangres above 9,500 feet/Red River
NMZ514	Southern Sangres above 9,500 feet
NMZ515	East Slopes Sangre de Cristo Mountains
NMZ516	Upper Rio Grande Valley
NMZ517	Lower Chama River Valley
NMZ518	Santa Fe Metro Area
NMZ519	Albuquerque Metro Area
NMZ520	Lower Rio Grande Valley
NMZ521	Sandia/Manzano Mountains
NMZ522	Estancia Valley
NMZ523	Central Highlands
NMZ524	South Central Highlands
NMZ525	Upper Tularosa Valley
NMZ526	South Central Mountains
NMZ527	Raton Ridge/Johnson Mesa
NMZ528	Far Northeast Highlands
NMZ529	Northeast Highlands
NMZ530	Union County
NMZ531	Harding County
NMZ532	Eastern San Miguel County
NMZ533	Guadalupe County
NMZ534	Quay County
NMZ535	Curry County
NMZ536	Roosevelt County
NMZ537	De Baca County
NMZ538	Chaves County Plains
NMZ539	Eastern Lincoln County
NMZ540	Southwest Chaves County

Table 2: Public Zones and Corresponding UGCs for which WFO Albuquerque, NM will Issue Forecasts and Warnings Effective September 10, 2019

UGC	New Public Zone Name
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NMZ201	Northwest Plateau
NMZ202	Chuska Mountains
NMZ203	Far Northwest Highlands
NMZ204	Northwest Highlands
NMZ205	West Central Plateau
NMZ206	West Central Mountains
NMZ207	West Central Highlands
NMZ208	Southwest Mountains
NMZ209	San Francisco River Valley
NMZ210	Tusas Mountains including Chama
NMZ211	Jemez Mountains
NMZ212	Glorieta Mesa including Glorieta Pass
NMZ213	Northern Sangre de Cristo Mountains
NMZ214	Southern Sangre de Cristo Mountains
NMZ215	East Slopes Sangre de Cristo Mountains
NMZ216	Upper Rio Grande Valley
NMZ217	Espanola Valley
NMZ218	Santa Fe Metro Area
NMZ219	Middle Rio Grande Valley/Albuquerque Metro Area
NMZ220	Lower Rio Grande Valley

NMZ221 Sandia/Manzano Mountains including Edgewood
 NMZ222 Estancia Valley
 NMZ223 Central Highlands
 NMZ224 South Central Highlands
 NMZ225 Upper Tularosa Valley
 NMZ226 South Central Mountains
 NMZ227 Johnson and Bartlett Mesas including Raton Pass
 NMZ228 Far Northeast Highlands
 NMZ229 Northeast Highlands
 NMZ230 Union County
 NMZ231 Harding County
 NMZ232 Eastern San Miguel County
 NMZ233 Guadalupe County
 NMZ234 Quay County
 NMZ235 Curry County
 NMZ236 Roosevelt County
 NMZ237 De Baca County
 NMZ238 Chaves County Plains
 NMZ239 Eastern Lincoln County
 NMZ240 Southwest Chaves County
 NMZ241 San Agustin Plains and Adjacent Lowlands

Table 3: Primary city Included in the New Public Zone Effective September 10, 2019

UGC Primary City within New Zone

 NMZ241: Datil

Table 4: NWS Products Affected by the WFO Albuquerque, NM Public Zone Changes Effective September 10, 2019

AWIPS ID	WMO Heading	Product Name
AQAABQ	AEUS75 KABQ	Air Quality Alert
ESFABQ	FGUS75 KABQ	Hydrologic Outlook
FFAABQ	WGUS65 KABQ	Flood Watch
HWOABQ	FLUS45 KABQ	Hazardous Weather Outlook
NPWABQ	WWUS75 KABQ	Non-Precipitation Weather Message
PFMABQ	FOUS55 KABQ	Point Forecast Matrices
PNSABQ	NOUS45 KABQ	Public Information Statement
RWRNM	ASUS45 KABQ	New Mexico Regional Weather Roundup
SPSABQ	WWUS85 KABQ	Special Weather Statement
WSWABQ	WWUS45 KABQ	Winter Weather Message

Users of WFO Albuquerque products must take the appropriate action to ensure systems recognize the new UGC (Z) and new zone alignments and names.

Updated public zone shapefiles are online at: (delete the ones you do not need. Links below must have a date showing they were updated as of the date this notices take effect):

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

A graphical depiction of these changes are online at:

<https://bit.ly/2KrBOBj>

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National Service Change Notices are online at:

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

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