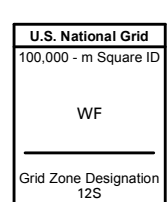
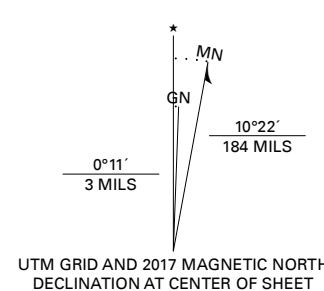


**Produced by the United States Geological Survey**

North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84), Projection and  
1 000-meter grid/Universal Transverse Mercator, Zone 12S  
This map is not a legal document. Boundaries may be  
generalized for this map scale. Private lands within government  
reservations may not be shown. Obtain permission before  
entering private lands.

Imagery.....NAIP, June 2015 - August 2015  
Roads.....U.S. Census Bureau, 2018  
Names.....GNIS, 1980 - 2011  
Hydrography.....National Hydrography Dataset, 2005 - 2014  
Contours.....National Elevation Dataset, 1999  
Boundaries.....Multiple sources: see metadata file 2016 - 2017  
Public Land Survey System.....BLM, 2017  
Wetlands.....FWS National Wetlands Inventory 2005 - 2009



SCALE 1:24 000  
CONTOUR INTERVAL 20 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the  
National Geospatial Program US Topo Product Standard, 2011.  
A metadata file associated with this product is draft version 0.6.18



QUADRANGLE LOCATION

1	2	3
4	5	6
7	8	

- 1 Whirlwind Rock
- 2 Shonto
- 3 Shonto SE
- 4 Cow Springs
- 5 Black Mesa Wash NE
- 6 John Daw Mesa
- 7 Kydestea Spring
- 8 Red Willow Spring

ROAD CLASSIFICATION	
Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route
	State Route

