

Due to a lapse in federal funding, this USDA website will not be actively updated. Once funding has been reestablished, online operations will continue

[Forest Service Home](#) [About the Agency](#) [Contact the National Office](#)

Search

 

[Site Map](#)

Region 3

- [Home](#)
- [Special Places](#)
- [Recreation](#)
- [Passes & Permits](#)
- [Maps & Publications](#)
- [Fire & Aviation](#)

Land & Resource Management

- [Planning Projects](#)
- [Resource Management](#)
- [Geospatial Data](#)

- [Forest & Grassland Health](#)
- [State, Private & Community Forests](#)
- [Plants & Animals](#)
- [Learning Center](#)
- [Working Together](#)
- [Jobs & Volunteering](#)
- [About the Region](#)
- [News & Events](#)

Contact Information

Southwestern Region  
333 Broadway SE [\[map\]](#)  
Albuquerque, NM 87102  
505-842-3292



*Cal Joyner,  
Regional Forester*

[Contact Us](#)

Geospatial Data

**Southwestern Region GIS Data**

Selected GIS Datasets for the Southwestern Region

[GIS Data Download Instructions](#)

Category/Feature Class	Abstract
<b>Aerial Photography Project Data</b>	
<b>Photo Project Area Polygons</b> <a href="#">Photo Centers</a> <a href="#">Feature Service</a> <a href="#">ArcGIS Layer File</a> Service Updated Weekly	Historical Aerial Photography Archive Project (HAPAP) is a geodatabase that interfaces with a Map Viewer Search engine of all aerial photography projects completed in the Southwestern Region of the Forest Service. This database contains metadata on each project indicating the original project specifications and information on how to locate the associated rolls of film.
<b>Forest Health – Insect Disease</b>	
<a href="#">Forest Health – Insect Disease, See web page</a>	
<b>Ecological Response Units (Southwestern Region)</b>	
<b>Ecological Response Units (Version 5.2)</b> <a href="#">Feature Service</a> <a href="#">ArcGIS Layer File</a> <b>Shapefile Tile AZN</b> 252 MB <b>Shapefile Tile AZ S</b> 292 MB <b>Shapefile Tile NMN</b> 313 MB <b>Shapefile Tile NMS</b> 267 MB <a href="#">Metadata</a> Posted 9/28/2018	Ecological Response Units - The purpose of this feature class is to be an ecosystem mapping tool across all of Arizona and New Mexico. Ecological Response Units (ERUs) facilitate landscape analyses and planning. The framework represents all major ecosystem types of the southwest region, and represents a stratification of biophysical themes. ERUs are used to define historic/reference conditions within a mapping unit by integrating site potential (soil physical and chemical properties, geology, geomorphology, aspect, slope, climate variables, and geographic location), fire regime (historic and contemporary), neighboring vegetation communities, and seral state sequence. The shapefile data is tiled into four tiles: Arizona North, Arizona South, New Mexico North, New Mexico South. <a href="#">Sample image of the tile locations</a>
<b>Climate Change Vulnerability Assessment</b> <a href="#">GeoTIFF Image</a> 36.6 MB <a href="#">GEO PDF Image</a> 68.6 MB <a href="#">CCVA Executive Summary PDF</a> 507 KB	The CCVA is an all-lands vulnerability assessment for major upland ecosystems of AZ and NM (Triepke 2016). Based on the anticipated effects of climate and uncharacteristic drought to site potential, the vulnerability of individual plant communities was identified by the level of future climate departure from the climate envelope for given ecosystem types. The CCVA was an ecosystems approach to predicting vulnerability based on climate projections at the year 2090. Much of the underpinning knowledge and geography of vegetation-climate relationships stems from the Terrestrial Ecological Unit Inventory of the USFS Southwestern Region (USDA Forest Service 1986, Winthers et al. 2005).
<b>General Terrestrial Ecosystem Survey (Southwestern Region)</b>	
<b>General Terrestrial Ecosystem Survey</b> <a href="#">Feature Service</a> <a href="#">ArcGIS Layer File</a> <b>Shapfile</b> 4.6 MB <a href="#">Metadata</a> Posted 12/2001	General Terrestrial Ecosystem Survey - (United States Forest Service Southwest Region) <a href="#">Image</a> The data set is composed of polygon features denoting soil condition, erosion hazard, revegetation potential and vegetation cover. The scale is 1:250000. This data set was created for the USFS General Terrestrial Ecosystem Survey. It's purpose is to delineate the locations and areas of varying GTES characteristics.
<b>Land (Southwestern Region)</b>	
<b>Administrative Forest</b> <a href="#">AGOL Service</a> <a href="#">ArcGIS Layer File</a> <b>Shapefile</b> 1.1 MB <b>KMZ</b> 1.4 MB <a href="#">Metadata</a> Posted 12/14/2018	Administrative Forest - An area encompassing all the National Forest System lands administered by a unit. The area encompasses private lands, other governmental agency lands, and may contain National Forest System lands within the proclaimed boundaries of another administrative unit. All National Forest System lands fall within one and only one Administrative Forest Area.
<b>Ranger District</b> <a href="#">AGOL Service</a> <a href="#">ArcGIS Layer File</a> <b>Shapefile</b> 2.2 MB <b>KMZ</b> 3.0 MB <a href="#">Metadata</a> Posted 12/14/2018	Ranger District - A depiction of the boundary that encompasses a Ranger District.

<p><b>Administrative Region</b>  <a href="#">AGOL Service</a>  <a href="#">ArcGIS Layer File</a>  <a href="#">Shapefile</a> 341 KB  <a href="#">KMZ</a> 469 KB  <a href="#">Metadata</a>            Posted 12/14/2018</p>	<p>Administrative Region - An area encompassing all the National Forest System lands administered by a Region. The area encompasses private lands, other governmental agency lands. All National Forest System lands fall within one and only one Administrative Region Area.</p>
<p><b>Military Reserve</b>  <a href="#">AGOL Service</a>  <a href="#">ArcGIS Layer File</a>  <a href="#">Shapefile</a> 30 KB  <a href="#">KMZ</a> 17 KB  <a href="#">Metadata</a>            Posted 12/14/2018</p>	<p>Military Reserve - An area depicting National Forest System land parcels that have management or use limits of Military Reserve or Hazardous Area.</p>
<p><b>National Grassland</b>  <a href="#">AGOL Service</a>  <a href="#">ArcGIS Layer File</a>  <a href="#">Shapefile</a> 42 KB  <a href="#">KMZ</a> 34 KB  <a href="#">Metadata</a>            Posted 12/14/2018</p>	<p>National Grassland - A National Grassland unit designated by the Secretary of Agriculture and permanently held by the Department of Agriculture under Title III of the Bankhead-Jones Farm Tenant Act.</p>
<p><b>Other National Designated Area</b>  <a href="#">AGOL Service</a>  <a href="#">ArcGIS Layer File</a>  <a href="#">Shapefile</a> 1.0 MB  <a href="#">KMZ</a> 1.4 MB  <a href="#">Metadata</a>            Posted 12/14/2018</p>	<p>Other National Designated Area - An area depicting National Forest System land parcels that have management or use limits placed on them by legal authority. Examples are: National Recreation Area, National Monument, and National Game Refuge.</p>
<p><b>Proclaimed Forest</b>  <a href="#">AGOL Service</a>  <a href="#">ArcGIS Layer File</a>  <a href="#">Shapefile</a> 1.1 MB  <a href="#">KMZ</a> 1.4 MB  <a href="#">Metadata</a>            Posted 12/14/2018</p>	<p>Proclaimed Forest - A depiction of the boundaries encompassing the National Forest System (NFS) lands within the original proclaimed National Forests, along with subsequent Executive Orders, Proclamations, Public Laws, Public Land Orders, Secretary of Agriculture Orders, and Secretary of Interior Orders creating modifications thereto, along with lands added to the NFS which have taken on the status of 'reserved from the public domain' under the General Exchange Act. The following area types are included: National Forest, Experimental Area, Experimental Forest, Experimental Range, Land Utilization Project, National Grassland, Purchase Unit, and Special Management Area.</p>
<p><b>PLSS - Public Land Survey System</b>  <a href="#">AGOL Service</a>  <a href="#">ArcGIS Layer File</a>  <a href="#">Shapefiles</a> 16.9 MB  <b>Section</b>  <a href="#">KMZ</a> 16.1 MB  <a href="#">Metadata</a>  <b>Township</b>  <a href="#">KMZ</a> 2.7 MB  <a href="#">Metadata</a>            Posted 12/14/2018</p>	<p>PLSS            Section - An area defined by the Public Lands Survey System Grid. Normally, 36 sections make up a township.            Township - An area defined by the Public Lands Survey System grid that is referenced by its tier and range numbers, and is normally a rectangle approximately 6 miles on a side with boundaries conforming to meridians and parallels.</p>
<p><b>Special Interest Management Area</b>  <a href="#">AGOL Service</a>  <a href="#">ArcGIS Layer File</a>  <a href="#">Shapefile</a> 1.2 MB  <a href="#">KMZ</a> 1.7 MB  <a href="#">Metadata</a>            Posted 12/14/2018</p>	<p>Special Interest Management Area - A depiction of National Forest System land parcels that have management or use limits placed on them by the Forest Service. Examples include: Anadromous Spawning Area, Indian Reserve Classification Area, Archeological Area, and Scenic Area.</p>
<p><b>Surface Ownership</b>  <a href="#">AGOL Service</a>  <a href="#">ArcGIS Layer File</a>  <a href="#">Shapefile</a> 8.0 MB  <a href="#">KMZ</a> 11.2 MB  <a href="#">Metadata</a>            Posted 12/14/2018</p>	<p>Surface Ownership - An area depicting ownership parcels of the surface estate. Each surface ownership parcel is tied to a particular legal transaction. The same individual or organization may currently own many parcels that may or may not have been acquired through the same legal transaction. Therefore, they are captured as separate entities rather than merged together. This is in contrast to Basic Ownership, in which the surface ownership parcels having the same owner are merged together. Basic Ownership provides the general user with the Forest Service versus non-Forest Service view of land ownership within National Forest boundaries. Surface Ownership provides the land status user with a current snapshot of ownership within National Forest boundaries.</p>
<p><b>Surface Ownership Dissolve</b>  <a href="#">AGOL Service</a>  <a href="#">ArcGIS Layer File</a>  <a href="#">Shapefile</a> 3.1 MB  <a href="#">Metadata</a>            Posted 12/14/2018</p>	<p>Surface Ownership Dissolve -This is a Basic ownership layer merged from Surface Ownership. Ownership is depicted (dissolved) by FS_Own_Code (USFS or OTHER.)</p>
<p><b>Wilderness</b>  <a href="#">AGOL Service</a></p>	

