Tuzigoot National Monument: Vegetation / Land Cover

USGS-NPS Vegetation Mapping Program

USGS

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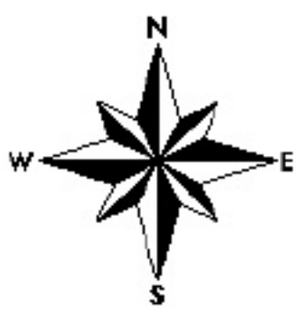
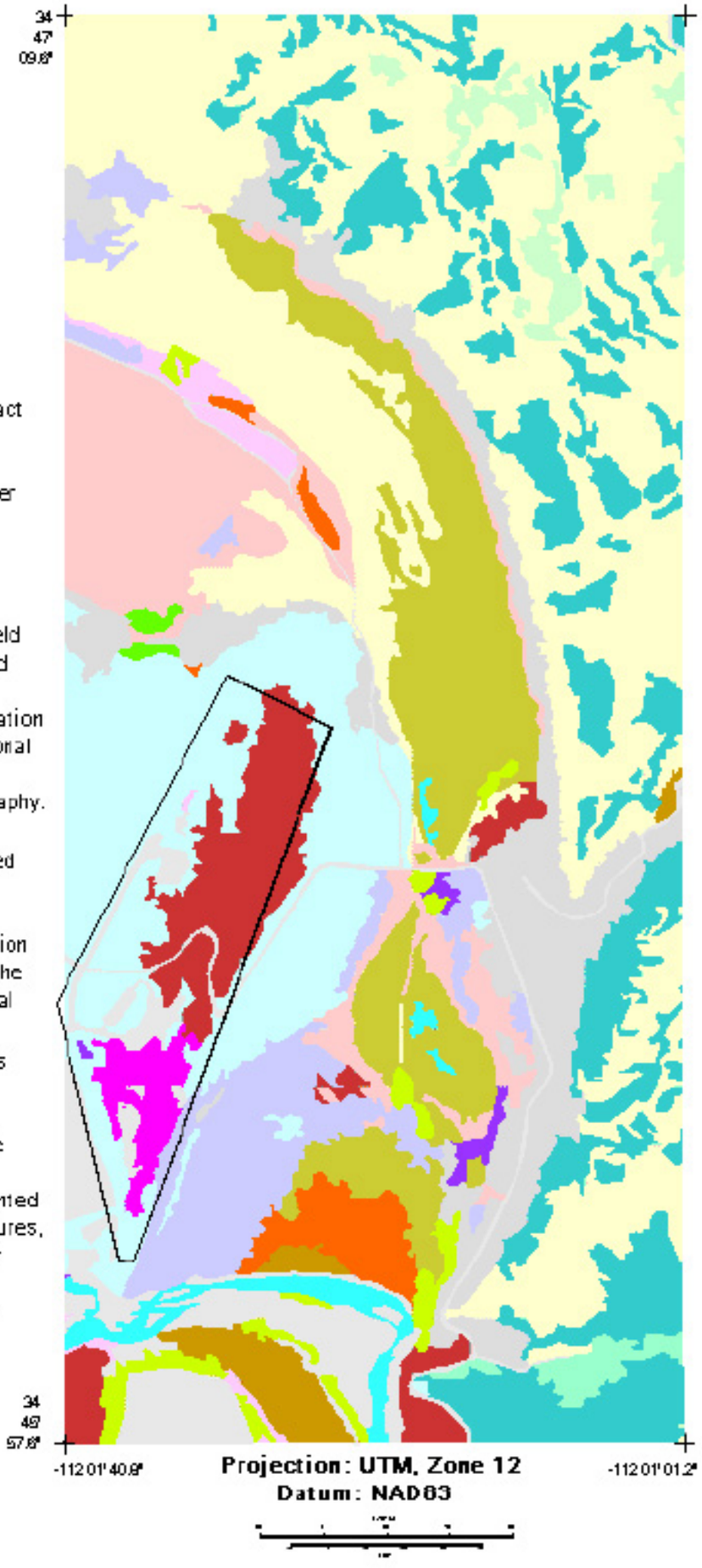
The spatial database used to create this map was prepared under contract for the USGS-NPS Vegetation Mapping Program by Environmental Systems Research Institute, Inc. in conjunction with the Nature Conservancy and Aerial Information Systems. Work was performed under the direction of the USGS Biological Resources Division's Center for Biological Informatics (CBI).

Vegetation and land cover/land use units were identified through stereoscopic examination of 1:6,000-scale color infrared aerial photography taken September 12, 1995. This effort was supported by field sampling and ecological analysis. Vegetation boundaries were identified on the photographs by means of photographic signature and collateral information on slope, hydrography, geography, and vegetation. Classification was in accordance with the Federal Geographic Data Committee's National Vegetation Classification Standard. The mapped vegetation and land cover/land use reflect conditions that existed during the time of photography. Subsequent changes have occurred that are not reflected on the map.

The mapped data have been revised by CBI personnel using data collected during accuracy assessment field work. As a result 50 polygons were reclassified. A contradictory classification in understory vegetation in woodland types resulted from comparison of the photographic examination with field-collected data. The accuracy assessment data, collected on the ground, was selected in preference to the original mapped data. The final spatial database is now considered to be 100% accurate.

Disclaimer: These data have been generated by private organizations under contract with the U.S. Geological Survey's Center for Biological Informatics. Although all data have been processed successfully on a computer system at the CBI, no warranty, expressed or implied, is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes. Any person using this information presented here should fully understand the data collection and compilation procedures, as described in the metadata, before beginning analysis. The burden for determining fitness for use lies entirely with the user.





Populus fremontii-Salix goodingii Woodland	7.4 Acres
Populus fremontii/Hordeum jubatum Woodland	5.9 Acres
Populus fremontii/Prosopis velutina Woodland	1.0 Acres
Juniperus erythrocarpa-Canotia holocantha Woodland	8.0 Acres
Celtis reticulata-Quercus turbinella Woodland	3.5 Acres
Canotia holocantha/Aristada purpurea Woodland	64.0 Acres
Larrea tridentata/Aristida purpurea Shrubland	122.7 Acres
Atriplex canescens/Muhlenbergia porteri Shrubland	5.2 Acres
Chilopsis linearis Alliance	7.5 Acres
Prosopis velutina/Celtis reticulata Shrubland	42.3 Acres
Prosopis velutina/Hordeum jubatum Shrubland	27.8 Acres
Prosopis velutina/Gutenrieza sarthorae Shrubland	60.5 Acres
Prosopis velutina/Distichlis stricta Herbaceous Vegetation	7.8 Acres
Typha angustifolia Herbaceous Herbaceous Alliance	42.1 Acres
Muhlenbergia asperifolia-Eleocharis parishii Herbaceous Vegetation	38.0 Acres
Cynodon dactylon Herbaceous Alliance	30.3 Acres
Aristida purpurea-Krameria parvifolia Herbaceous Vegetation	23.5 Acres
Low Temperate Intermittently Exposed Annual Forb Vegetation	1.1 Acres
Semi-cultivated Temperate or Subpolar Perennial Forb Vegetation	4.3 Acres
Semi-natural Temperate or Subpolar Perennial Forb Vegetation	1.6 Acres
Intermittently Flooded Cold-Deciduous Shrubland	6.8 Acres
Water	6.3 Acres
Unvegetated/Land Use	30.3 Acres
Tuzigoot National Monument Boundary	