Vegetation Map of Carlsbad Caverns National Park

Woodland

- Ponderosa Pine Woodland
- Alligator Juniper - Pinyon Pine Woodland Savanna
- Maple - Oak Ravine Woodland
- Oak - Madrone Band-Cove Woodland

Montane Shrubland

- Pinchot Juniper - Oak Shrubland
- Pinchot Juniper Shrubland
- Dense Oak - Mountain Mahogany Shrubland
- Moderate Oak - Mountain Mahogany Shrubland
- Sparse Oak - Mountain Mahogany Shrubland

Grassland

- Curlyleaf Muhly Grassland
- Curlyleaf Muhly Grassland with Oak and Mountain Mahogany
- Curlyleaf Muhly Grassland with Pinchot Juniper
- Grama Grassland
- Grama Grassland with Pinchot Juniper
- Grama Grassland with Desert Shrubland
- Grama Terrace Grassland
- Tobosa Grassland

Desert Shrubland

- Catclaw Mimosa Desert Shrubland
- Viscid Acacia Desert Shrubland
- Creosote Bush - Viscid Acacia Desert Shrubland
- Tarbush - Littleleaf Sumac Desert Shrubland
- Cactus - Ocotillo Desert Succulent Shrubland
- Mariola - Goldeneye Desert Shrubland

Arroyo Riparian Woodland and Shrubland

- Arroyo Riparian Woodland
- Mimosa-Acacia Arroyo Riparian Shrubland
- Green Sotol - Apache Plume Arroyo Riparian Shrubland
- Desert Willow Arroyo Riparian Shrubland
- Canyon/Bajada Arroyo Riparian Shrubland
- Mixed Arroyo Riparian Shrubland

Other

- Herbaceous Wetland
- Forested Wetland
- Cliff/Rock/Barren/Arroyo Wash
- Agriculture/Old Fields
- Developed/Roads

Map Symbols

- Bench Mark
- Building
- Drill Hole
- Gas Well
- Geodetic Control
- Grave
- Gravel Pit
- Roadside Park
- Spring
- Water Tank
- Waterfall
- Well
- Windmill
- Drainages
- Trail
- US Highway
- State Highway
- Improved Road
- Unimproved Road
- Water Bodies
- Park Boundary

N

0 0.5 1 2 Kilometers

0 0.5 1 2 Miles

Universal Transverse Mercator Coordinate System
Geodetic Reference System 1980
North American Datum 1983

The map is based on Spacelmaging IKONOS satellite images acquired on August 27, 2000 (east half) and September 29, 2000 (west half) consisting of 1 m Panchromatic and 4 m Multi-Spectral (MS) data. The vegetation classification and map units were developed form 400 ground control points established between 1999 and 2002. Map constructed in ERDAS Imagine Version 8.5, using a supervised image analysis and direct interpretation based on selected ground control points. Final map compiled in ArcGIS Version 8.2 in April 2003. For details see Muldavin, E., P. Neville, P. Arbetan, Y. Chauvin, A. Browder, and T. Neville. 2003. *A vegetation map of Carlsbad Caverns National Park*. Final Report to Carlsbad Caverns N.P., Resource Stewardship and Science Division.