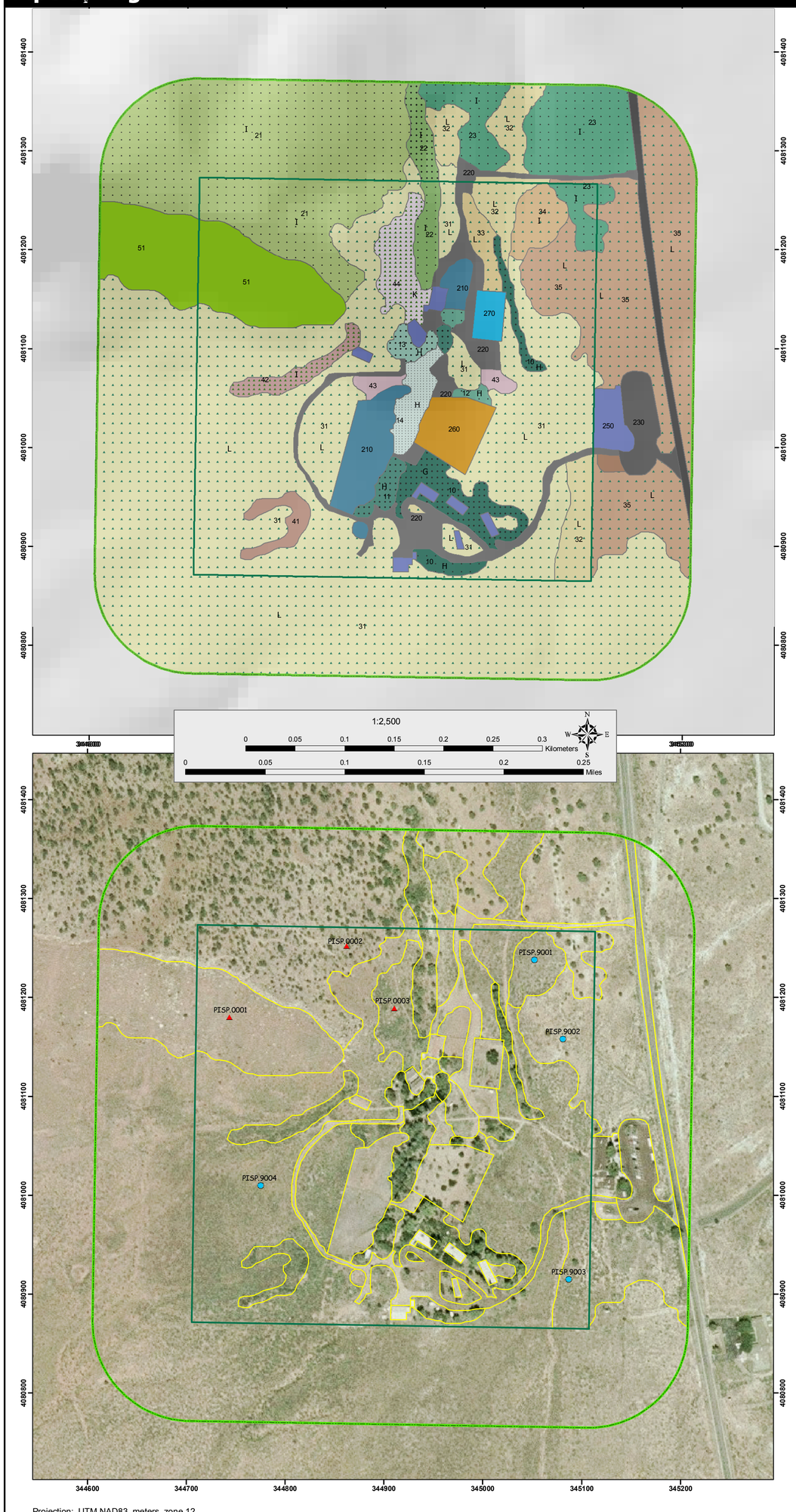
Vegetation Mapping Project

Pipe Spring National Monument

U.S. Department of the Interior

National Park Service
U.S. Geological Survey
Assisted by NatureServe



Projection: UTM NAD83, meters, zone 12
Imagery collected between June 2005 - March 2006

Vegetation Map Classes:

- 10 Fremont Cottonwood Woodland
- 11 Tree-of-Heaven Woodland
- 12 Black Locust Woodland
- 13 Siberian Elm Woodland
- 14 White and Black Poplar Woodland
- 21 Pinyon-Juniper / Scrub Oak-Bitterbrush Woodland
- 22 Juniper - Baltic Rush Woodland
- 23 Juniper - Saltbush Woodland
- 31 Fourwing Saltbush Shrubland
- 32 Sand Sagebrush Shrubland
- 33 Fourwing Saltbush – Sand Sagebrush Shrubland
- 34 Basin Big Sagebrush - Fourwing Saltbush Shrubland
- 35 Fourwing Saltbush - Rabbitbrush Degraded Shrubland
- 41 Coyote Willow Shrubland
- 42 Rubber Rabbitbrush Shrubland
- 43 Edible Berry Shrubland
- 44 Black Greasewood Shrubland
- 51 James Galleta Grassland
- 210 Corrals
- 220 Roads and staging areas - bare dirt
- 230 Parking Lot
- 240 Dumpster
- 250 Buildings
- 260 Orchard
- 270 Garden
- 310 Pipe Springs Road (paved)

- Plot Location
- Observation Location

Density Classes

- Closed tree canopy (>60%)
- Open tree canopy (25-60%)
- Sparse Tree Canopy (10-25%)
- Dense shrub canopy (>40%)
- Light shrub (<10-40%)
- N/A

Height Classes

G = 15 - 30 meters
H = 5 - 15 meters
I = 1 - 5 meters
K = 1 - 5 meters
L = 0.5 - 1 meter
M = 0 - 0.5 meter

- Vegetation Mapping Project Boundary
- Park Boundary

Cooperator: U.S. Geological Survey

USGS science for a changing world

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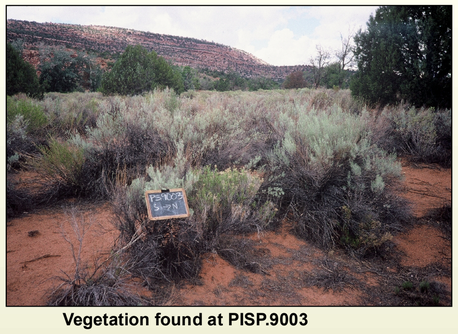
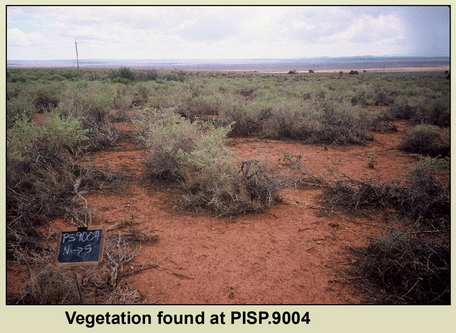


Vegetation found at PISP.9003

STRATUM	SPECIES
Canopy	Juniperus osteosperma
Shrub	Artemisia filifolia Chrysothamnus nauseosus Atriplex canescens
Dwarf Shrub	Opuntia phaeacantha Gutierrezia sarothrae
Graminoid	Bromus tectorum
Nonvascular	Moss

Vegetation found at PISP.0002

STRATUM	SPECIES
Canopy	Pinus edulis Juniperus osteosperma
Shrub	Quercus turbinella Purshia mexicana Amelanchier utahensis Shepherdia rotundifolia Rhus aromatica var. trilobata Chrysothamnus nauseosus Ephedra viridis
Dwarf Shrub	Yucca kanabensis Sclerocactus whipplei Opuntia phaeacantha Opuntia erinacea var. utahensis Gutierrezia sarothrae
Graminoid	Stipa comata Hilaria jamesii Aristida purpurea
Forb	Penstemon
Seedling	Pinus edulis Juniperus osteosperma
Nonvascular	Moss



Vegetation found at PISP.9004

STRATUM	SPECIES
Shrub	Atriplex canescens Chrysothamnus nauseosus
Graminoid	Bromus tectorum

Vegetation found at PISP.0001

STRATUM	SPECIES
Shrub	Artemisia bigelovii Rhus aromatica var. trilobata Chrysothamnus nauseosus Ephedra viridis Atriplex canescens Eriogonum corymbosum
Dwarf Shrub	Gutierrezia sarothrae Opuntia erinacea Chrysothamnus viscidiflorus
Graminoid	Hilaria jamesii Stipa speciosa Stipa comata
Forb	Eriogonum inflatum Artemisia campestris