

# Hubbell Trading Post National Historic Site

## Vegetation and Land Cover

Southern Colorado Plateau Network  
National Park Service  
1298 S. Knoles Dr.  
Northern Arizona University  
Building 56, Room 140  
Flagstaff, AZ 86011



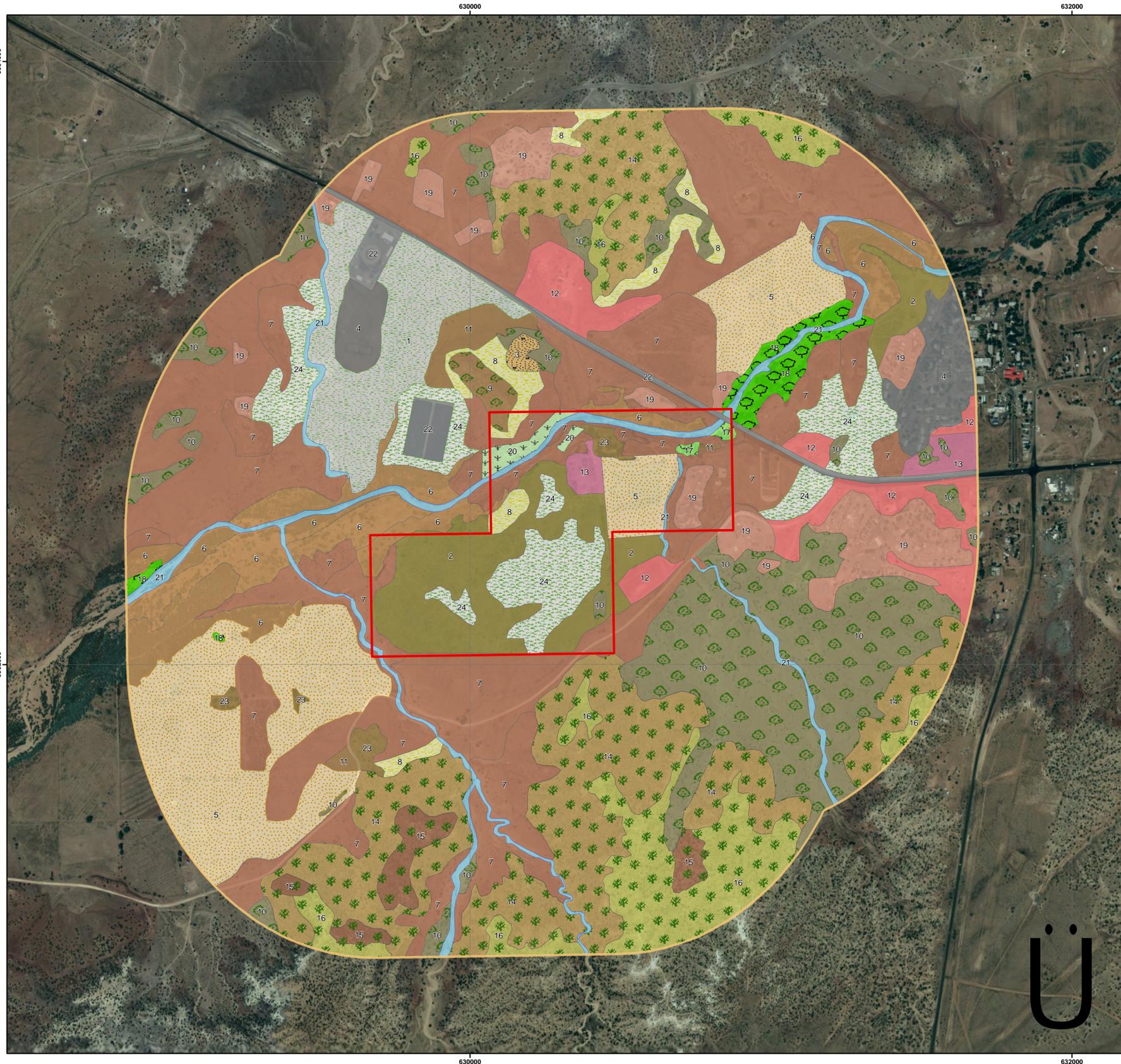
### Participating Agencies



To complete the task of mapping at Hubbell Trading Post National Historic Site, a multi-year program was initiated (D.E. Salas and C. Bolen 2010. Vegetation Mapping and Classification Report, Hubbell Trading Post National Historic Site. Natural Resource Technical Report NPS/SCPN/NRTR-2010. National Park Service, Fort Collins, Colorado). This consisted of two major tasks. Phase one was the development of a classification system. Phase two was the production of a digital vegetation map.

To classify the vegetation, representative plots were located throughout the approximately 65-ha project area and sampled during 2006. The vegetation in these plots was compared to existing National Vegetation Classification (NVC) System types and assigned an appropriate map unit. When possible, map units directly corresponded to NVC alliances or associations. We derived 16 vegetation map units from the plant alliances and associations assigned from the field data. Eight additional map units represent land use types.

To produce the digital map we used 1:12,000-scale true color aerial photography acquired on September 14, 2003, in addition to the vegetation information from the 2006 field plots. All map units were developed and directly cross-walked or matched to corresponding plant associations and land-use classes. All of the interpreted and remotely sensed data were converted to Geographic Information System (GIS) databases using ArcGIS® software.



### Legend

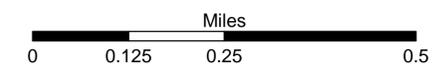
#### Vegetation and Land Cover Type

VEGCODE, VegName_Common	
1, Unknown Dwarf Sagebrush Shrubland Alliance	12, Mixed Urban or Built-up Land
2, Fourwing Saltbush Shrubland Alliance	13, Other Urban or Built-up Land
3, Bare Exposed Rock	14, Two-needle Pinyon - Utah Juniper / Sparse Understory Woodland
4, Commercial and Services	15, Two-needle Pinyon - Juniper species / (Wyoming Big Sagebrush, Mountain Big Sagebrush) Woodland
5, Cropland and Pasture	16, Two-needle Pinyon - (Juniper species) Woodland Alliance
6, Russian-olive Semi-natural Woodland Alliance	17, Eastern Cottonwood / Rubber Rabbitbrush Forest
7, Rubber Rabbitbrush Shrubland Alliance	18, Eastern Cottonwood Temporarily Flooded Forest Alliance
8, Snakeweed Dwarf-shrubland Alliance	19, Residential
9, Utah Juniper / Basin Big Sagebrush Woodland	20, Restoration Area (Planted Native Riparian Trees and/or Shrubs)
10, Utah Juniper Woodland Alliance	21, Streams and Canals
11, Pale Desert-thorn Shrubland Alliance	22, Transportation, Communications, and Utilities
	23, Siberian Elm Woodland Alliance
	24, Weedy Forbs - Abandoned Agriculture Field (Disturbed Area)
	Park Boundary
	Project Boundary

The U.S. Bureau of Reclamation, under contract with USGS and NPS generated these data. Although these data have been processed successfully on computers at BOR and USGS, 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 the 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.

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Report:  
Salas, D. E. and C. Bolen. 2010. Vegetation Mapping and Classification Report: Hubbell Trading Post National Historic Site. Natural Resource Technical Report NPS/SCPN/NRTR-2010. National Park Service, Fort Collins, Colorado.



Geographic Coordinate System: NAD 83  
Projected Coordinate System: UTM Zone 12  
Basemap Image: I3 Imagery Prime World 2D

### Index Map

