Vegetation Mapping Project

Colorado National Monument

U.S. Department of the Interior
National Park Service
U.S. Geological Survey
Assisted by e²M and NatureServe

693000 694000 695000 696000 697000 698000 699000 700000 701000 702000 703000 704000 705000 706000

4324000 4323000 4322000 4321000 4320000 4319000 4318000 4317000 4316000

See Insets for further detail

Colorado River

Monument Canyon

Ute Canyon

Red Canyon

No Thoroughfare Canyon

I-70

340

50

Wyoming
Utah
Colorado
Arizona
New Mexico
Colorado National Monument

N W E S

1:20,000
0 0.5 1 1.5 Kilometers
0 0.5 1 1.5 Miles

Projection UTM, Datum NAD83, Zone 12, meters

Vegetation Map Classes

1 Seep and Spring Vegetation
18 Baltic Rush Herbaceous Vegetation
29 Cottonwood / Coyote Willow Woodland
14 Quaking Aspen - Water Birch Forest-Shrubland
37 Coyote Willow / Mesic Graminoids Shrubland
4 Black Sagebrush and Grasses Shrubland-Graminoids
12 Shadscale – Black Greasewood Shrubland
13 Gardner's Saltbush / James' Galleta Dwarf-shrubland
23 Winterfat / James' Galleta Dwarf-shrubland
2 Utah Serviceberry Shrubland
17 Rubber Rabbitbrush Desert Wash Shrubland
3 Greenleaf Manzanita Shrubland
10 Fourwing Saltbush Shrubland
9 Fourwing Saltbush – Mormon Tea Talus Shrubland
5 Basin Big Sagebrush / Cheatgrass Semi-natural Shrubland
7 Wyoming Big Sagebrush / Seeded Grasses Semi-natural Shrubland
8 Wyoming Big Sagebrush Shrubland
16 Littleleaf Mountain Mahogany / Slickrock Sparse Vegetation
30 Gambel Oak / Skunkbush Woodland
22 Utah Juniper / Talus Mixed Shrub Woodland
19 Two-Needle Pinyon Pine – Utah Juniper / Wyoming Big Sagebrush Woodland
28 Two-Needle Pinyon Pine – Utah Juniper / Sparse Understory Woodland
20 Two-Needle Pinyon Pine – Utah Juniper / Multiple Shrub Woodland
25 Two-Needle Pinyon Pine – Utah Juniper / Black Sagebrush Woodland
15 Cheatgrass Semi-natural Herbaceous Vegetation
31 Crested Wheatgrass Semi-natural Herbaceous
34 Nonvascular Cover - 'Board Beds' Unit, Entrada Sandstone
44 Serpent's Trail

Land Use Classes

Bare Rock/Sand
Herbaceous
Transitional
Open Water
Residential
Non-residential Developed
Quarries/Strip mines/Gravel pits
Woody
Colorado National Monument Boundary
Vegetation Project Boundary
Fuels Points
Plot Points
Observation Points
Accuracy Assessment Points

Density Classes

Closed Tree Canopy/Continuous (>60% coverage)
Open Tree Canopy/Discontinuous (25-60% coverage)
Dispersed - Sparse Tree Canopy (10-25% coverage)
Dense Sagebrush Canopy (>40% coverage)
Light Sagebrush Canopy (<10-40% coverage)
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

Inset 1: 1:12,000 scale Vegetation Polygons with Density and Height classes

Monument Canyon

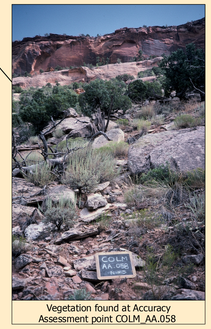
N W E S
0 0.1 0.2 0.3 0.4 0.5 Kilometers
0 0.1 0.2 0.3 0.4 0.5 Miles
1:12,000
1 inch equals 1,000 feet

STRATUM	SPECIES
Shrub	Artemisia tridentata ssp. tridentata
	Chrysothamnus nauseosus
	Sarcobatus vermiculatus
	Rhus aromatica
Dwarf Shrub	Atriplex confertifolia
	Opuntia polyacantha
	Chrysothamnus viscidiflorus
	Gutierrezia sarothrae
Graminoid	Sporobolus airoides
	Phragmites australis
	Juncus arcticus
	Bromus tectorum
	Elymus smithii
	Stipa hymenoides
	Poa fendleriana
	Distichlis spicata
Forb	Glycyrrhiza lepidota
	Comandra umbellata var. pallida
	Lepuda occidentalis
	Lepidium montanum
	Tragopogon dubius
Nonvascular	

Vegetation found at Plot COLM.0243

STRATUM	SPECIES
Emergent Canopy	Pinus edulis
	Pinus edulis
	Juniperus osteosperma
Tall Shrub	Fraxinus anomala
Shrub	Ephedra viridis
	Artemisia tridentata ssp. wyomingensis
Dwarf Shrub	Opuntia erinacea
	Gutierrezia sarothrae
	Chrysothamnus viscidiflorus
	Yucca harrimaniae
Graminoid	Festuca octoflora
	Poa fendleriana
	Bromus tectorum
Forb	Euphorbia
	Physaria acutifolia
	Hymenoxys acaulis
	Draba reptans
	Descurainia pinnata
	Lepidium montanum
	Ranunculus testiculatus
	Lepuda occidentalis
	Oenothera pallida
	Gilia
	Cryptantha
	Lomatium
Nonvascular	Saelania glaucescens
	Tortula caninervis
	Fulgensia bracteata

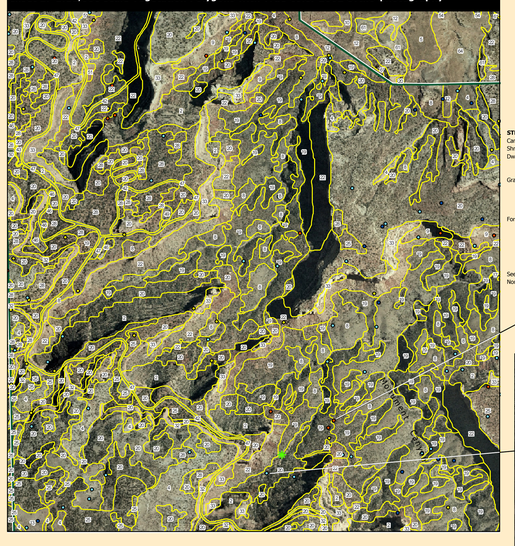
Vegetation found at Plot COLM.0013



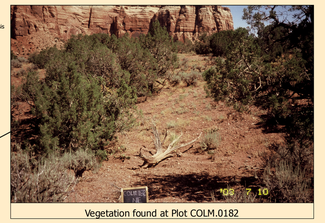
STRATUM	SPECIES
Canopy	Juniperus osteosperma
	Pinus edulis
Tall Shrub	Cercocarpus montanus
	Fraxinus anomala
Shrub	Eriogonum corymbosum
	Artemisia nova
	Fendlera rupicola
	Chrysothamnus viscidiflorus
Dwarf Shrub	Eriogonum microthecum
	Gutierrezia sarothrae
Graminoid	Stipa hymenoides
	Bromus tectorum

Vegetation found at Accuracy Assessment point COLM_AA.058

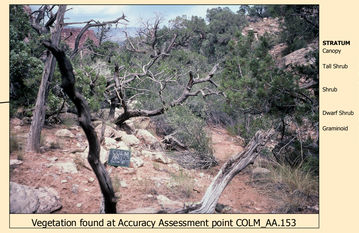
Inset 2: 1:12,000 scale Vegetation Polygons with True-color 2002 Ortho-photography



STRATUM	SPECIES
Canopy	Juniperus osteosperma
Shrub	Artemisia tridentata ssp. wyomingensis
Dwarf Shrub	Gutierrezia sarothrae
	Opuntia polyacantha
	Opuntia phaeacantha
Graminoid	Stipa hymenoides
	Hilaria jamesii
	Bromus tectorum
	Festuca octoflora
	Elymus elymoides
	Astragalus nuttallianus
Forb	Lepidium densiflorum
	Silene antirrhina
	Astragalus mollissimus
	Calochortus gunnisonii
	Physaria
	Descurainia pinnata
Seedling	Juniperus osteosperma
Nonvascular	



Vegetation found at Plot COLM.0182



STRATUM	SPECIES
Canopy	Juniperus osteosperma
	Pinus edulis
Tall Shrub	Fraxinus anomala
	Cercocarpus montanus
	Amelanchier utahensis
Shrub	Fendlera rupicola
	Ephedra viridis
	Rhus aromatica var. trilobata
Dwarf Shrub	Opuntia polyacantha
	Gutierrezia sarothrae
Graminoid	Poa fendleriana
	Stipa hymenoides
	Bromus tectorum

Vegetation found at Accuracy Assessment point COLM_AA.153