Vegetation Mapping Project

Black Canyon of the Gunnison National Park

National Park Service

U.S. Department of the Interior

Vegetation Map Classes

- 5 Canyon Bottom Mosaic
- 9 Blue Spruce Woodland Alliance
- 48 Gambel Oak / Rock Spirea Scree Shrubland
- 60 Douglas-fir Scree Woodland
- 69 Pinyon - Juniper / Sparse Mixed Shrubs Scree Woodland
- 93 Rock Spirea Sparsely Vegetated Rock Outcrop
- 20 Mixed Upland Grasslands
- 31 Wyoming Big Sagebrush Shrubland
- 33 Mountain Big Sagebrush Shrubland
- 49 Mountain Big Sagebrush / Mixed Montane Shrubland
- 40 Gambel Oak / Big Sagebrush Shrubland
- 42 Gambel Oak / Mixed Montane Shrubland
- 43 Gambel Oak Woodlands
- 78 Utah Juniper / Big Sagebrush Woodland
- 72 Pinyon - Juniper / Sagebrush Species Woodland
- 74 Pinyon - Juniper / Mixed Shrubs and Grasses Woodland
- 71 Pinyon - Juniper / Gambel Oak Woodland
- 62 Douglas-fir Forest
- 52 Quaking Aspen Forest
- 80 Mancos Shale Badlands Complex
- 87 Utah Juniper / Salina Wildrye Woodland
- 28 Roadcut Sparse Shrubland
- 91 Sparsely Vegetated Bedrock
- 99 Hanging Garden
- 111 Gunnison River
- 113 Natural Lake / Pond
- 114 Reservoirs / Ponds
- 210 Residential
- 220 Non-residential developed
- 223 Communications / Utility Corridors
- 226 Transportation Corridors
- 227 Recreation areas
- 422 Planted Fields
- 330 Bare Ground
- 320 Quarries / Strip mines / Gravel pits

Density Classes

- Closed tree canopy (>60% coverage)
- Open tree canopy (25-60% coverage)
- Sparse tree canopy (10-25% coverage)
- Dense shrub canopy (>40% coverage)
- Light shrub canopy (<10-40% coverage)

Height Classes

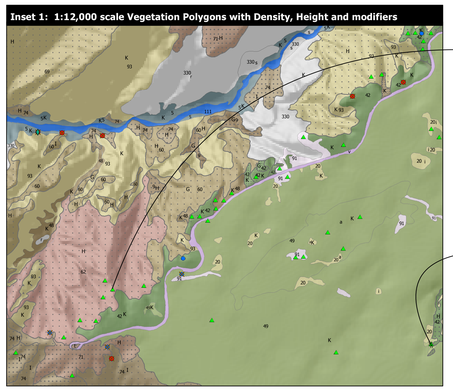
G = 15 - 30 meters (forest / woodland)
H = 5 - 15 meters (forest / woodland)
I = 1 - 5 meters (forest / woodland)
K = 1 - 5 meters (shrubland)
L = 0.5 - 1 meter (shrubland)
M = 0 - 0.5 meter (shrubland)

Modifiers

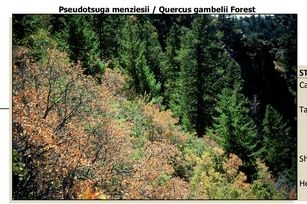
a = Altered*
d = Chained
g = Greasewood
i = Invasive*
m = Older burned area
n = Mesic meadow*
p = Prairie dog town
r = Bare exposed rock/sandstone cliff*
s = Sandbar*
t = Treed*
u = Gravel/dirt road
v = Paved road*
* = displayed on inset map

- Plot location
- Observation location
- Fuels location
- Accuracy assessment location
- Black Canyon of the Gunnison boundary
- Vegetation Mapping Project boundary

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



Pseudotsuga menziesii / Quercus gambelii Forest



STRATUM	SPECIES
Canopy	15-25%
	Pseudotsuga menziesii
Tall Shrub	96-100%
	Amelanchier alnifolia
	Quercus gambelii
	Fendlera rupicola
Shrub	1-5%
	Symphoricarpos oreophilus
Herbaceous	1-5%
	Poa fendleriana

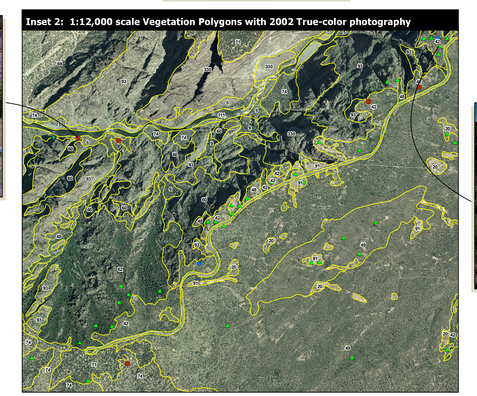
STRATUM	SPECIES
Tall Shrub	6-15%
	Quercus gambelii
	Amelanchier utahensis
Shrub	26-35%
	Quercus gambelii
	Symphoricarpos oreophilus
	Artemisia tridentata ssp. vaseyana
Dwarf Shrub	<1%
	Mahonia repens
Herbaceous	6-15%
	Carex geyeri
	Poa fendleriana
	Castilleja
	Poa pratensis
	Taraxacum officinale
	Antennaria
	Achillea millefolium
	Aster
	Juncus arcticus

Artemisia tridentata ssp. vaseyana / Poa fendleriana Shrubland

Phalaris arundinacea Herbaceous Vegetation

STRATUM	SPECIES
Canopy	1 - 5%
	Acer negundo
Graminoid	75 - 100%
	Agrostis gigantea
	Equisetum hyemale var. affine
	Phalaris arundinacea
	Elymus repens
	Bromus tectorum
Forb	5 - 25%
	Artemisia dracunculus
	Artemisia ludoviciana
	Rumex crispus
	Cirsium
	Melilotus officinalis
	Solidago
	Asclepias

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



Amelanchier utahensis - Mixed Shrub / Carex geyeri Shrubland

STRATUM	SPECIES
Canopy	6-15%
	Juniperus osteosperma
	Pinus edulis
Tall Shrub	15-25%
	Cercocarpus montanus
	Amelanchier utahensis
	Quercus gambelii
Shrub	6-15%
	Symphoricarpos oreophilus
	Artemisia tridentata
Dwarf Shrub	1-5%
	Yucca
	Artemisia nova
Herbaceous	6-15%
	Poa fendleriana
	Balsamorhiza sagittata
	Bromus inermis
	Bromus tectorum
	Petradoria pumila
	Carex geyeri