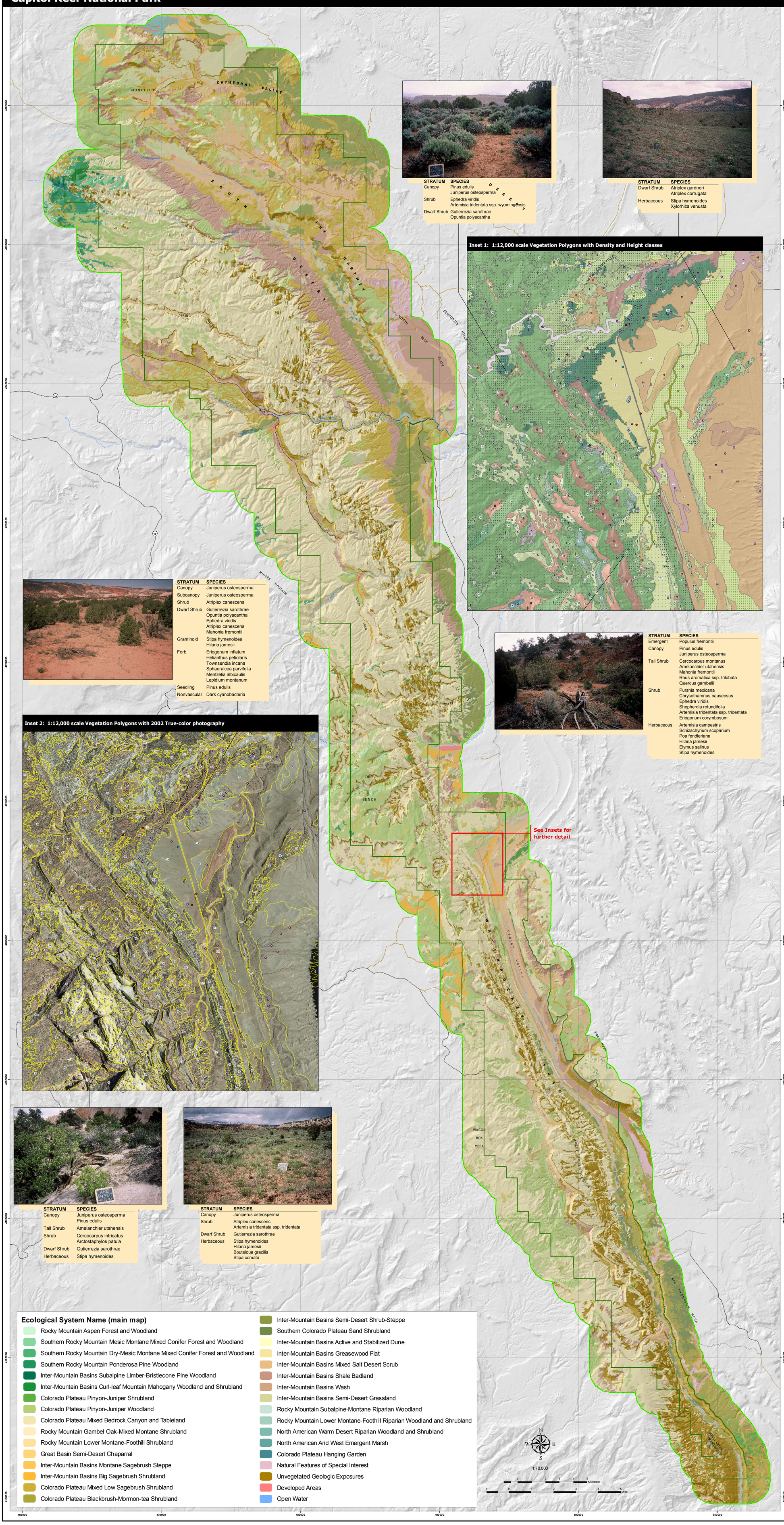
Vegetation Mapping Project

Capitol Reef National Park

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



STRATUM	SPECIES
Canopy	Pinus edulis Juniperus osteosperma
Shrub	Ephedra viridis Artemisia tridentata ssp. wyomingensis
Dwarf Shrub	Gutierrezia sarothrae Opuntia polyacantha

STRATUM	SPECIES
Dwarf Shrub	Atriplex gardneri Atriplex corrugata
Herbaceous	Stipa hymenoides Xylorhiza venusta

STRATUM	SPECIES
Canopy	Juniperus osteosperma
Subcanopy	Juniperus osteosperma
Shrub	Atriplex canescens
Dwarf Shrub	Gutierrezia sarothrae Opuntia polyacantha Ephedra viridis Atriplex canescens Mahonia fremontii
Graminoid	Stipa hymenoides Hilaria jamesii
Forb	Eriogonum inflatum Helianthus petiolaris Townsendia incana Sphaeralcea parvifolia Mentzelia albicaulis Lepidium montanum
Seedling	Pinus edulis
Nonvascular	Dark cyanobacteria

STRATUM	SPECIES
Emergent	Populus fremontii
Canopy	Pinus edulis Juniperus osteosperma
Tall Shrub	Cercocarpus montanus Amelanchier utahensis Mahonia fremontii Rhus aromatica ssp. trilobata Quercus gambelii
Shrub	Purshia mexicana Chrysothamnus nauseosus Ephedra viridis Shepherdia rotundifolia Artemisia tridentata ssp. tridentata Eriogonum corymbosum
Herbaceous	Artemisia campestris Schizachyrium scoparium Poa fendleriana Hilaria jamesii Elymus salinus Stipa hymenoides

STRATUM	SPECIES
Canopy	Juniperus osteosperma Pinus edulis
Tall Shrub	Amelanchier utahensis
Shrub	Cercocarpus intricatus Arctostaphylos patula
Dwarf Shrub	Gutierrezia sarothrae
Herbaceous	Stipa hymenoides

STRATUM	SPECIES
Canopy	Juniperus osteosperma
Shrub	Atriplex canescens Artemisia tridentata ssp. tridentata
Dwarf Shrub	Gutierrezia sarothrae
Herbaceous	Stipa hymenoides Hilaria jamesii Bouteloua gracilis Stipa comata

Ecological System Name (main map)

- Rocky Mountain Aspen Forest and Woodland
- Southern Rocky Mountain Mesic Montane Mixed Conifer Forest and Woodland
- Southern Rocky Mountain Dry-Mesic Montane Mixed Conifer Forest and Woodland
- Southern Rocky Mountain Ponderosa Pine Woodland
- Inter-Mountain Basins Subalpine Limber-Bristlecone Pine Woodland
- Inter-Mountain Basins Curl-leaf Mountain Mahogany Woodland and Shrubland
- Colorado Plateau Pinyon-Juniper Shrubland
- Colorado Plateau Pinyon-Juniper Woodland
- Colorado Plateau Mixed Bedrock Canyon and Tableland
- Rocky Mountain Gambel Oak-Mixed Montane Shrubland
- Rocky Mountain Lower Montane-Foothill Shrubland
- Great Basin Semi-Desert Chaparral
- Inter-Mountain Basins Montane Sagebrush Steppe
- Inter-Mountain Basins Big Sagebrush Shrubland
- Colorado Plateau Mixed Low Sagebrush Shrubland
- Colorado Plateau Blackbrush-Mormon-tea Shrubland
- Inter-Mountain Basins Semi-Desert Shrub-Steppe
- Southern Colorado Plateau Sand Shrubland
- Inter-Mountain Basins Active and Stabilized Dune
- Inter-Mountain Basins Greasewood Flat
- Inter-Mountain Basins Mixed Salt Desert Scrub
- Inter-Mountain Basins Shale Badland
- Inter-Mountain Basins Wash
- Inter-Mountain Basins Semi-Desert Grassland
- Rocky Mountain Subalpine-Montane Riparian Woodland
- Rocky Mountain Lower Montane-Foothill Riparian Woodland and Shrubland
- North American Warm Desert Riparian Woodland and Shrubland
- North American Arid West Emergent Marsh
- Colorado Plateau Hanging Garden
- Natural Features of Special Interest
- Unvegetated Geologic Exposures
- Developed Areas
- Open Water

Vegetation Map Units

- Plot location
- Observation location
- Accuracy Assessment location

Vegetation Map Units (inset maps)

- 24 Fremont Cottonwood
- 27 Slickrock Fin Pocket
- 64 Tamarisk Temporarily Flooded Shrubland
- 15e Pinyon - Juniper / Sagebrush Woodland Complex
- 15d Pinyon - Juniper / Sparse Understory Woodland
- 16a Pinyon - Juniper / Mountain Mahogany and Gambel Oak Woodland
- 16e Pinyon - Juniper / Oak and Manzanita Woodland
- 16 Pinyon - Juniper / Mesic Shrubs Woodland Complex
- 14 Pinyon - Juniper / Mixed Grass Woodland Complex
- 15 Pinyon - Juniper / Xeric Shrubs Woodland Complex
- 19 Little-leaf Mountain Mahogany Slickrock Sparse Vegetation
- 11c Big Sagebrush Shrubland Complex
- 11a Black Greasewood Shrubland Complex
- 13 Mixed Desert Shrubland Complex
- 6 Shadscale Shrubland Complex
- 4 Saltbush Badlands Shrubland Complex
- 5 Gypsum Badlands Sparse Vegetation
- 1 Bentonite Badlands
- 11 Desert Wash Shrubland Mosaic
- 40 Talus Mixed Shrubland Complex
- 12b Mesic Canyon Bottom Shrubland Complex
- 27 Slickrock Fin Pocket
- 8 Mixed Grasslands Complex
- 24 Fremont Cottonwood Woodland Complex
- 30 Box Elder Woodland Complex
- 64 Tamarisk Temporarily Flooded Shrubland
- 74 Unvegetated Sandstone
- 77 Barren Wash Bottom
- 78 Roads
- 76 Stock Ponds

Woodland map classes not displayed

- 22 Aspen / Snowberry Forest
- 20 Bristlecone Pine Woodland
- 23a Douglas-fir Montane Woodland Complex
- 23c Douglas-fir Canyon Woodland Complex
- 33a Ponderosa Pine / Gambel Oak Woodland
- 21 Ponderosa Pine / Greenleaf Manzanita Woodland
- 33 Ponderosa Pine Woodland Complex
- 12d Curl-leaf Mountain Mahogany Woodland Complex
- 15f Pinyon - Juniper / Black Sagebrush Woodland
- 19c Pinyon - Juniper / Blackbrush – Cliffrose – Tucker Oak Wooded Shrubland
- 17 Pinyon - Juniper / Blackbrush Woodland
- 14c Pinyon - Juniper / Russian Wildrye Semi-natural Woodland
- 15b Pinyon - Juniper / Brittle Prickly Pear Woodland
- 14b Pinyon - Juniper / Cheatgrass Semi-natural Woodland

Shrubland map classes not displayed

- 13b Gambel Oak / Serviceberry Shrubland
- 10a Tucker Oak Shrubland
- 41 Greenleaf Manzanita Shrubland
- 13d Wyoming Sagebrush / Blue Grama Shrubland
- 13f Mountain Sagebrush – Snowberry Shrubland Complex
- 13e Black Sagebrush – Bitterbrush / Muttongrass Shrubland
- 12c Black Sagebrush / Muttongrass Shrubland
- 18c Spiny Hopsage Shrubland
- 13z Rubber Rabbitbrush / Blue Grama Shrub Herbaceous Vegetation
- 13y Green Mormon Tea / Indian Ricegrass – Needle and Thread Shrubland
- 13x Green Mormon Tea / Galleta – Cheatgrass Shrubland Complex
- 13h Torrey Mormon Tea / Blue Grama – Galleta Shrubland
- 13a Torrey Mormon Tea Shrubland Complex
- 10 Blackbrush Shrubland Complex
- 19d Blackbrush – Cliffrose – Tucker Oak Shrubland
- 9 Sand Sage Shrubland Complex
- 4a Crispleaf Buckwheat Badlands Sparse Vegetation

Herbaceous map classes not displayed

- 12a Fringed Sagebrush – Lichens Rocky Mesa Herbaceous Vegetation
- 65 Halogeton Semi-Natural Herbaceous Vegetation
- 43 Sparse Cushion Plant Herbaceous Vegetation
- 8a Salina Wildrye Shale Sparse Grassland
- 8c Muttongrass / Non-vascular Herbaceous Vegetation
- 8b Black Grama – Galleta Herbaceous Vegetation

Riparian map classes not displayed

- 34 Tinajas
- 35 Blue Spruce / Red-Osier Dogwood Woodland
- 24a Narrowleaf Cottonwood Woodland
- 26d Netleaf Hackberry Slickrock Canyon Woodland
- 26b Red-osier Dogwood Shrubland
- 26c River Birch Shrubland
- 32 Willow Shrubland Complex
- 31 Hanging Gardens Herbaceous Vegetation
- 25 Springs and Seeps Mosaic
- 36 Wet Meadow Herbaceous Vegetation

Unvegetated map classes not displayed

- 73 Unvegetated Sand
- 71 Mudstone Cliffs
- 72 Bare Talus / Slides
- 77a Perennial Stream

Land use map classes not displayed

- 60 Orchards
- 79 Cultivated Fields
- 63 Abandoned Fields
- 66 Residential Developments
- 75 Mines, Quarries, Mine tailings
- 67 NPS Facilities
- 76a Ditches

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)
- N/A

Height Classes

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

- Vegetation Mapping Project boundary
- Capitol Reef National Park boundary