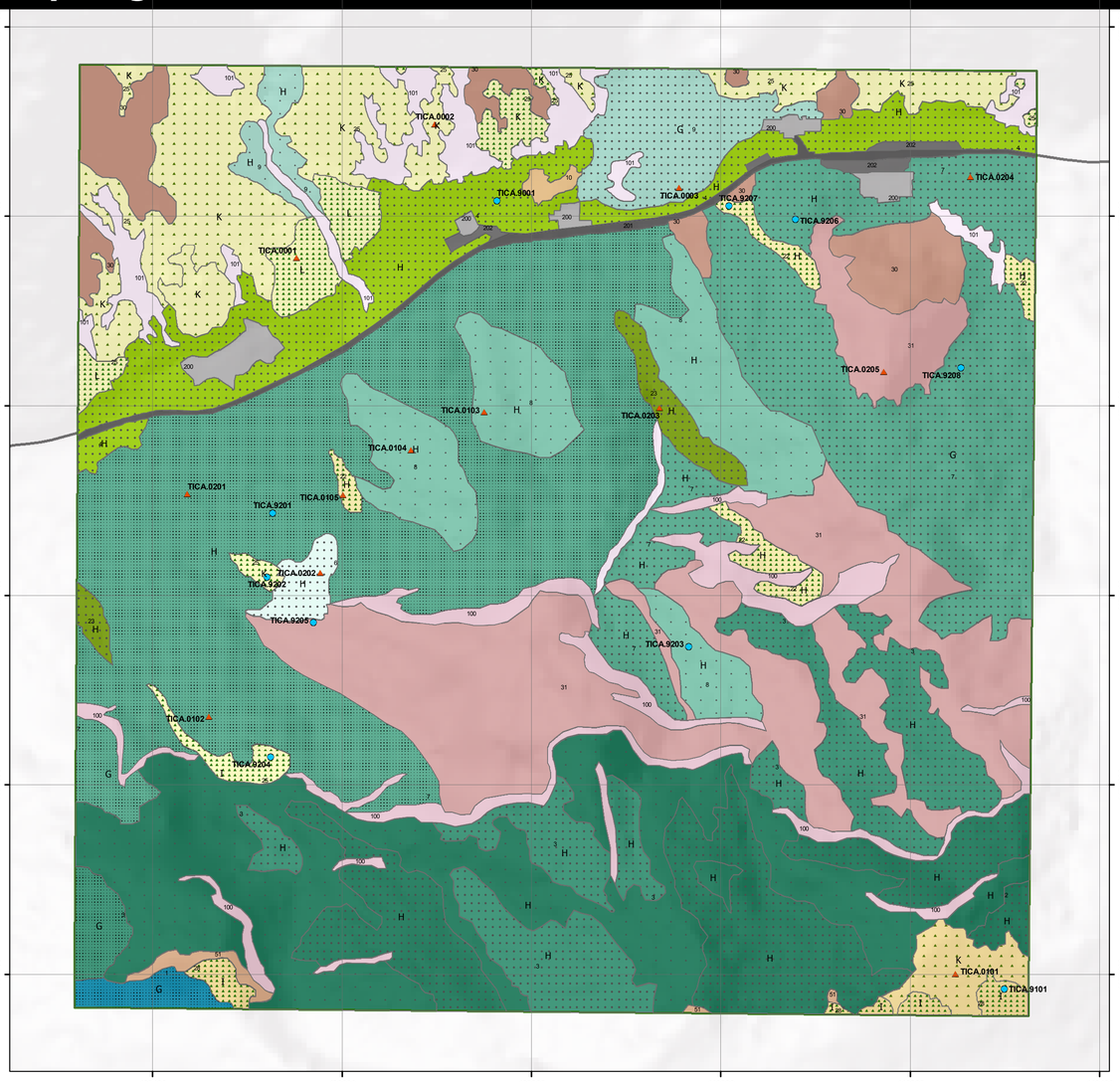
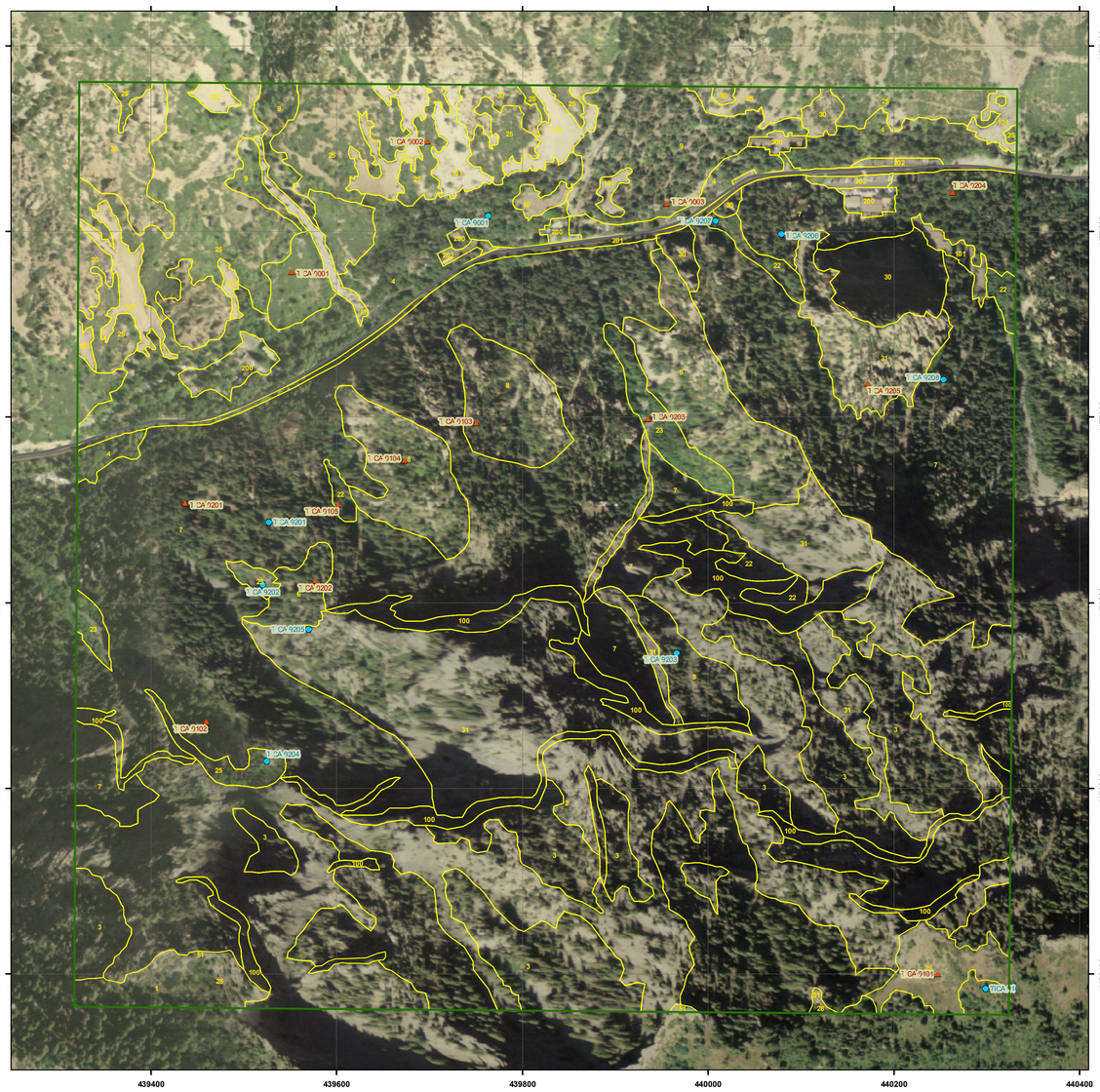
Vegetation Mapping Project

Timpanogos Cave National Monument

U.S. Department of the Interior
National Park Service





Vegetation Map Classes

- 1 Aspen Forest
- 2 Douglas-fir - Limber Pine Woodland
- 3 Douglas-fir / Mountain Maple Woodland
- 7 White fir - Douglas-fir / Gambel Oak - Bigtooth Maple Forest
- 8 White fir - Douglas-fir / Rocky Mountain Juniper / Gambel Oak Woodland
- 9 White fir / Gambel Oak Woodland
- 6 White fir - Douglas-fir / Bunchgrass Forest
- 23 Box Elder-Bigtooth Maple Ravine Woodland
- 4 Narrowleaf Cottonwood-Conifer Riparian Woodland
- 25 Gambel Oak - Bigtooth Maple Shrubland
- 22 Bigtooth Maple-Chokecherry Ravine Shrubland
- 28 Gambel Oak - Snowberry Shrubland
- 10 Meadow
- 51 Grassy Rock Goldenrod - Bluebunch Wheatgrass
- 30 Rock Outcrop Sparse Vegetation (Littleleaf Mtn Mahogany Phase)
- 31 Rock Outcrop Sparse Vegetation (Rocky Mountain Juniper Phase)
- 100 Cliff Band
- 101 Talus
- 200 Park Facilities
- 201 Road
- 202 Parking Areas

- Plot location
- Observation location

Coverage 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
- Timpanogos Cave National Monument boundary

Height Classes

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

Cooperator: U.S. Geological Survey

Assisted by: e²M and NatureServe

TICA.0001

STRATUM	SPECIES
Tall Shrub	Quercus gambelii Acer grandidentatum
Shrub	Juniperus communis
Graminoid	Poa fendleriana Elymus spicatus
Forb	Apocynum androsaemifolium Eriogonum racemosum Vicia americana
Seedling	Abies concolor

TICA.0104

STRATUM	SPECIES
Emergent	Pseudotsuga menziesii
Canopy	Juniperus scopulorum Abies concolor
Tall Shrub	Acer grandidentatum Quercus gambelii
Shrub	Ribes cereum
Dwarf Shrub	Mahonia repens
Graminoid	Elymus spicatus Bromus tectorum Stipa hymenoides
Forb	Penstemon platyphyllus Smilacina racemosa Sedum debile Galium multiflorum Heuchera parviflora
Nonvascular	Moss

TICA.0102

STRATUM	SPECIES
Canopy	Pseudotsuga menziesii Abies concolor
Tall Shrub	Acer grandidentatum Quercus gambelii
Dwarf Shrub	Mahonia repens
Graminoid	Leucopoa kingii Bromus tectorum Elymus spicatus
Forb	Penstemon eatonii Sedum debile Penstemon platyphyllus Galium multiflorum

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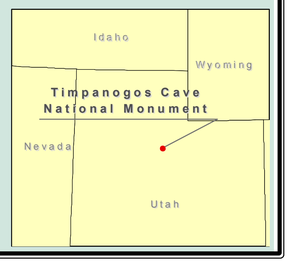
STRATUM	SPECIES
Canopy	Pseudotsuga menziesii
Tall Shrub	Quercus gambelii
Shrub	Cercocarpus intricatus Holodiscus dumosus Cercocarpus montanus
Forb	Galium multiflorum