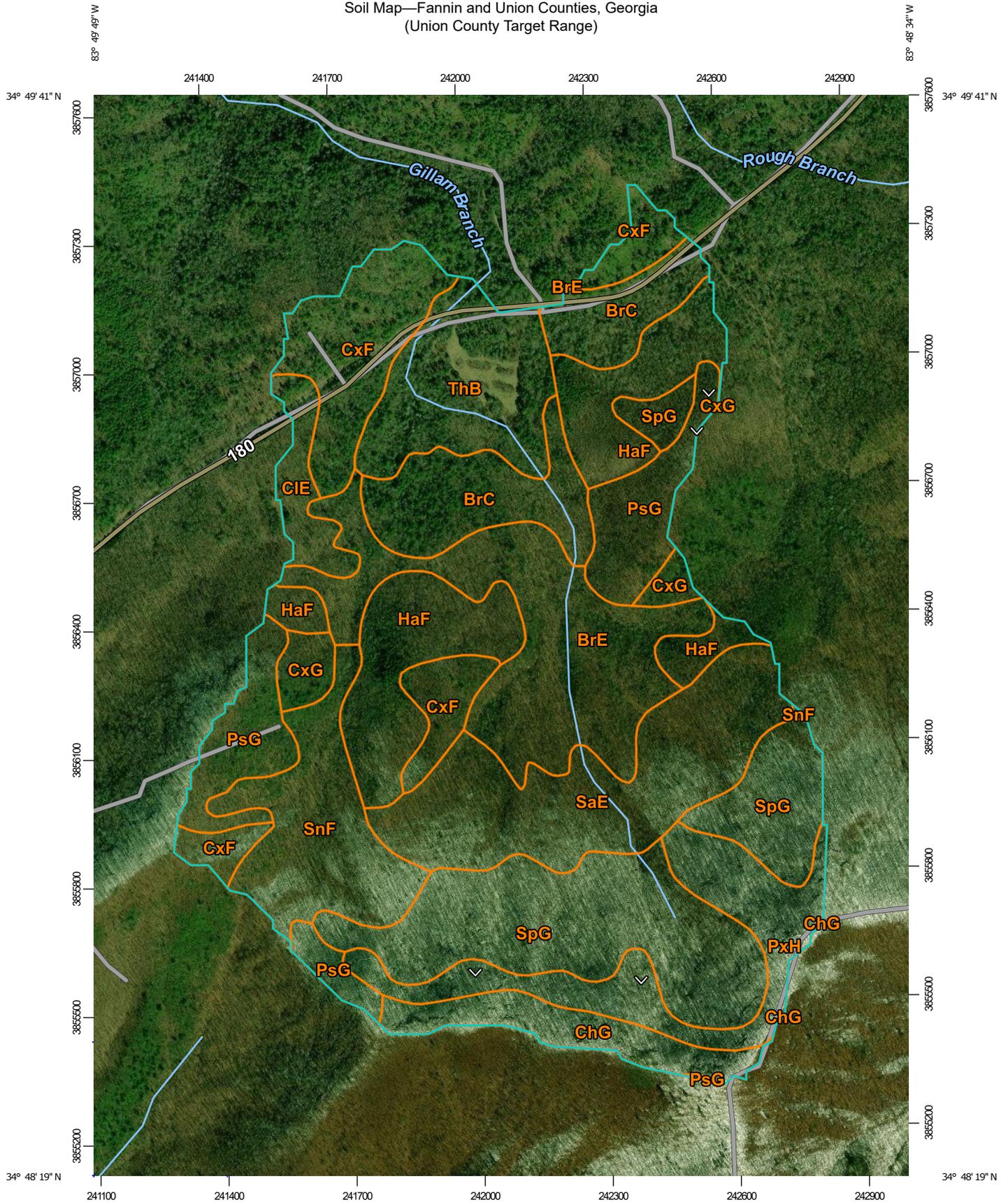
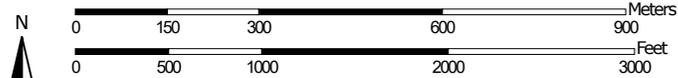


Soil Map—Fannin and Union Counties, Georgia
(Union County Target Range)



Map Scale: 1:12,300 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

Soil Map—Fannin and Union Counties, Georgia
(Union County Target Range)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Fannin and Union Counties, Georgia
Survey Area Data: Version 11, Sep 4, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 20, 2015—Oct 26, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Fannin and Union Counties, Georgia

ThB—Thurmont fine sandy loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: kvcg

Elevation: 800 to 2,000 feet

Mean annual precipitation: 52 to 68 inches

Mean annual air temperature: 54 to 59 degrees F

Frost-free period: 160 to 210 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Thurmont and similar soils: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Thurmont

Setting

Landform: Mountains

Landform position (three-dimensional): Mountainbase

Down-slope shape: Concave

Across-slope shape: Linear

Parent material: Colluvium

Typical profile

H1 - 0 to 6 inches: fine sandy loam

H2 - 6 to 29 inches: gravelly sandy clay loam

H3 - 29 to 42 inches: gravelly sandy clay loam

H4 - 42 to 60 inches: sandy loam

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: About 48 to 72 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Moderate (about 6.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: B

Hydric soil rating: No

Data Source Information

Soil Survey Area: Fannin and Union Counties, Georgia
Survey Area Data: Version 11, Sep 4, 2018

Fannin and Union Counties, Georgia

CxF—Cowee-Evard complex, 25 to 45 percent slopes

Map Unit Setting

National map unit symbol: 2vx4t

Elevation: 1,460 to 3,770 feet

Mean annual precipitation: 54 to 80 inches

Mean annual air temperature: 46 to 57 degrees F

Frost-free period: 160 to 210 days

Farmland classification: Not prime farmland

Map Unit Composition

Cowee and similar soils: 50 percent

Evards and similar soils: 40 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cowee

Setting

Landform: Ridges, hillslopes

Landform position (two-dimensional): Summit, backslope

Landform position (three-dimensional): Mountaintop, crest, side slope

Down-slope shape: Linear, convex

Across-slope shape: Convex, linear

Parent material: Residuum weathered from granite and gneiss and/or residuum weathered from schist

Typical profile

A - 0 to 7 inches: fine sandy loam

Bt - 7 to 26 inches: sandy clay loam

Cr - 26 to 80 inches: bedrock

Properties and qualities

Slope: 25 to 45 percent

Depth to restrictive feature: 20 to 38 inches to paralithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Very low to high (0.00 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: C

Hydric soil rating: No

Fannin and Union Counties, Georgia

BrC—Bradson loam, 6 to 10 percent slopes

Map Unit Setting

National map unit symbol: kvbc

Elevation: 1,200 to 3,000 feet

Mean annual precipitation: 52 to 68 inches

Mean annual air temperature: 54 to 59 degrees F

Frost-free period: 160 to 210 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Bradson and similar soils: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bradson

Setting

Landform: Coves

Down-slope shape: Linear

Across-slope shape: Convex

Parent material: Slope alluvium

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 52 inches: clay

H3 - 52 to 66 inches: sandy loam

Properties and qualities

Slope: 6 to 10 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Moderate (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Hydric soil rating: No

Data Source Information

Soil Survey Area: Fannin and Union Counties, Georgia

Survey Area Data: Version 11, Sep 4, 2018