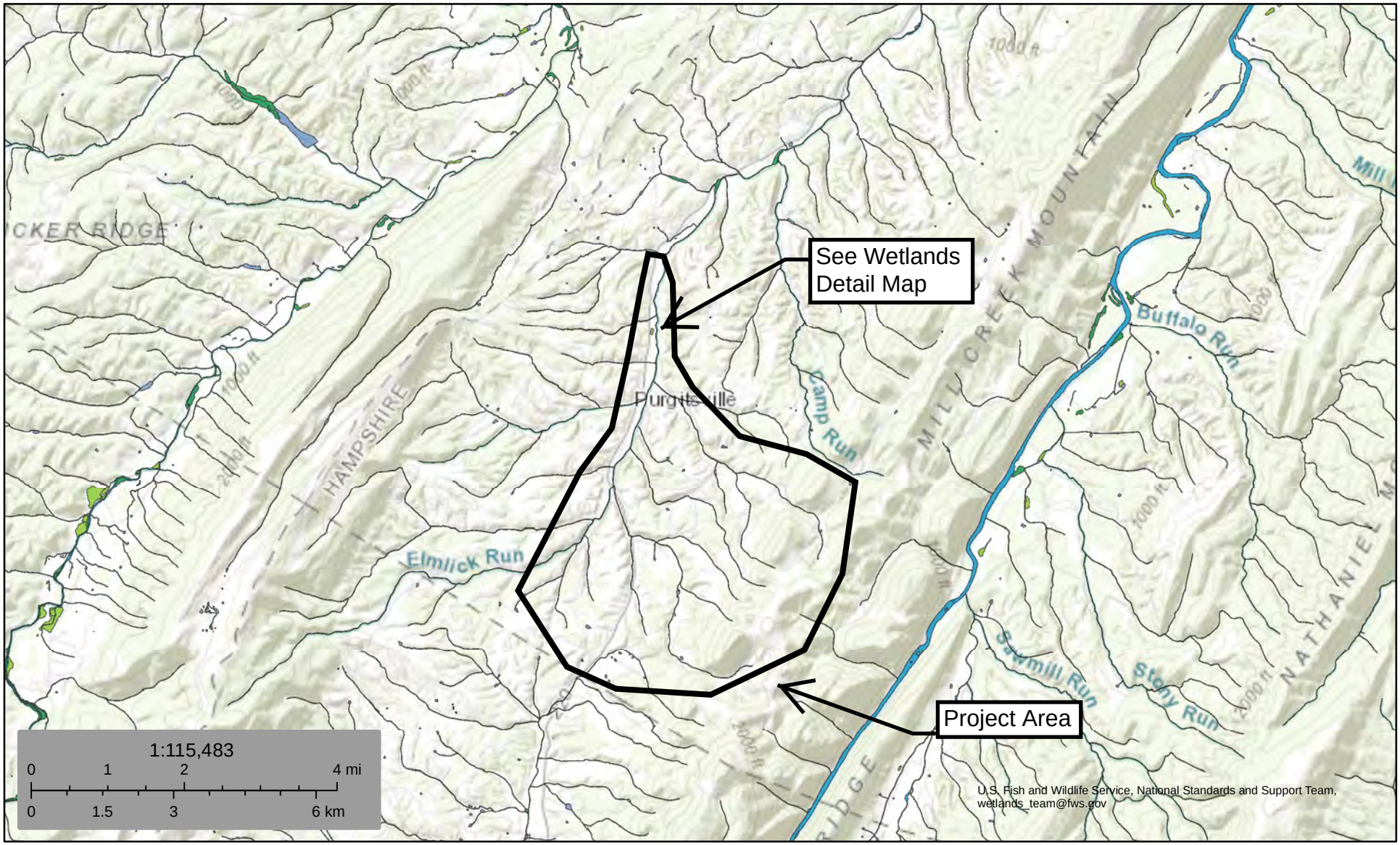
APPENDIX B

Wetlands, Floodplain, and Soil Maps

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Overview



August 27, 2021

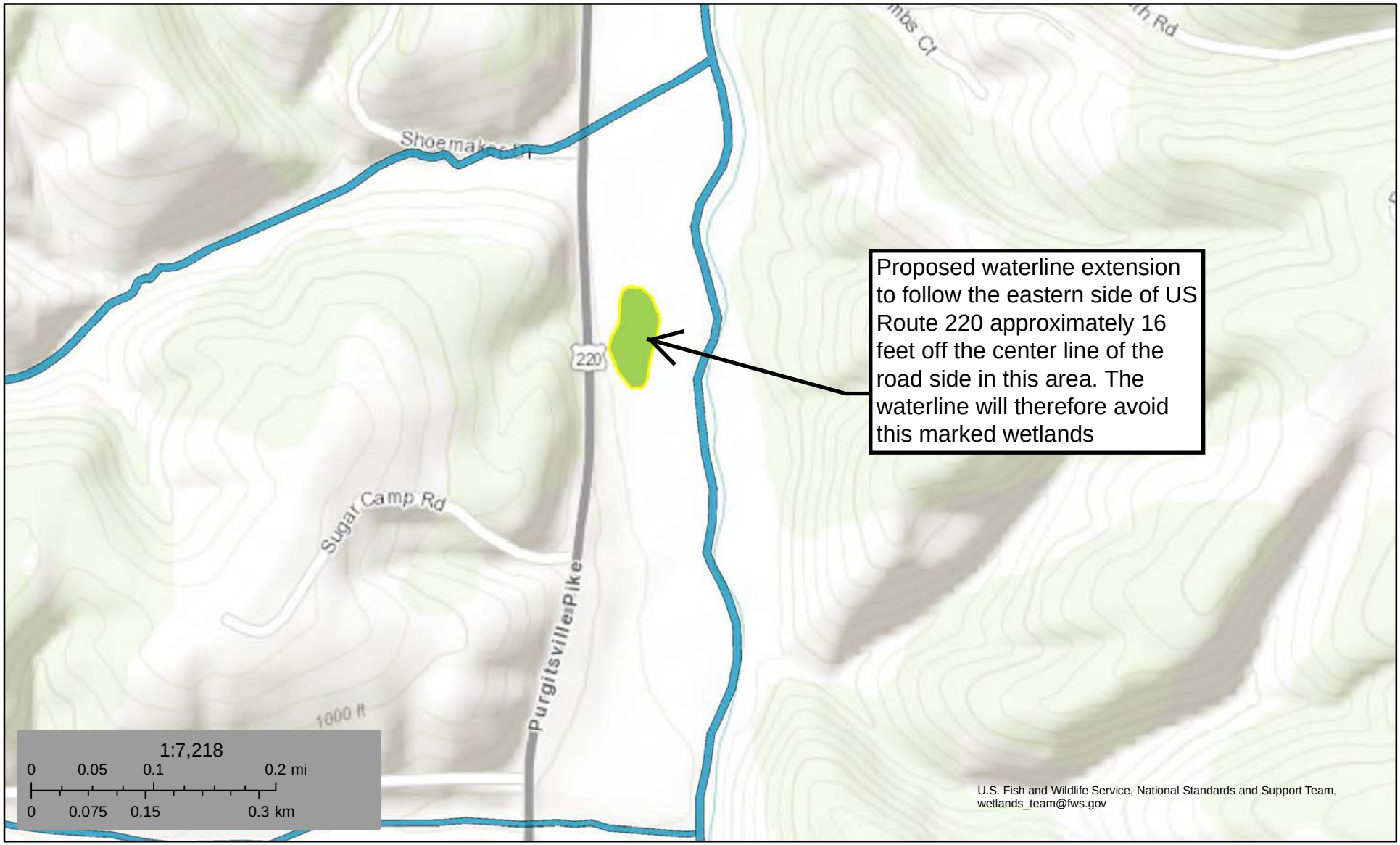
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Detail



August 27, 2021

Wetlands

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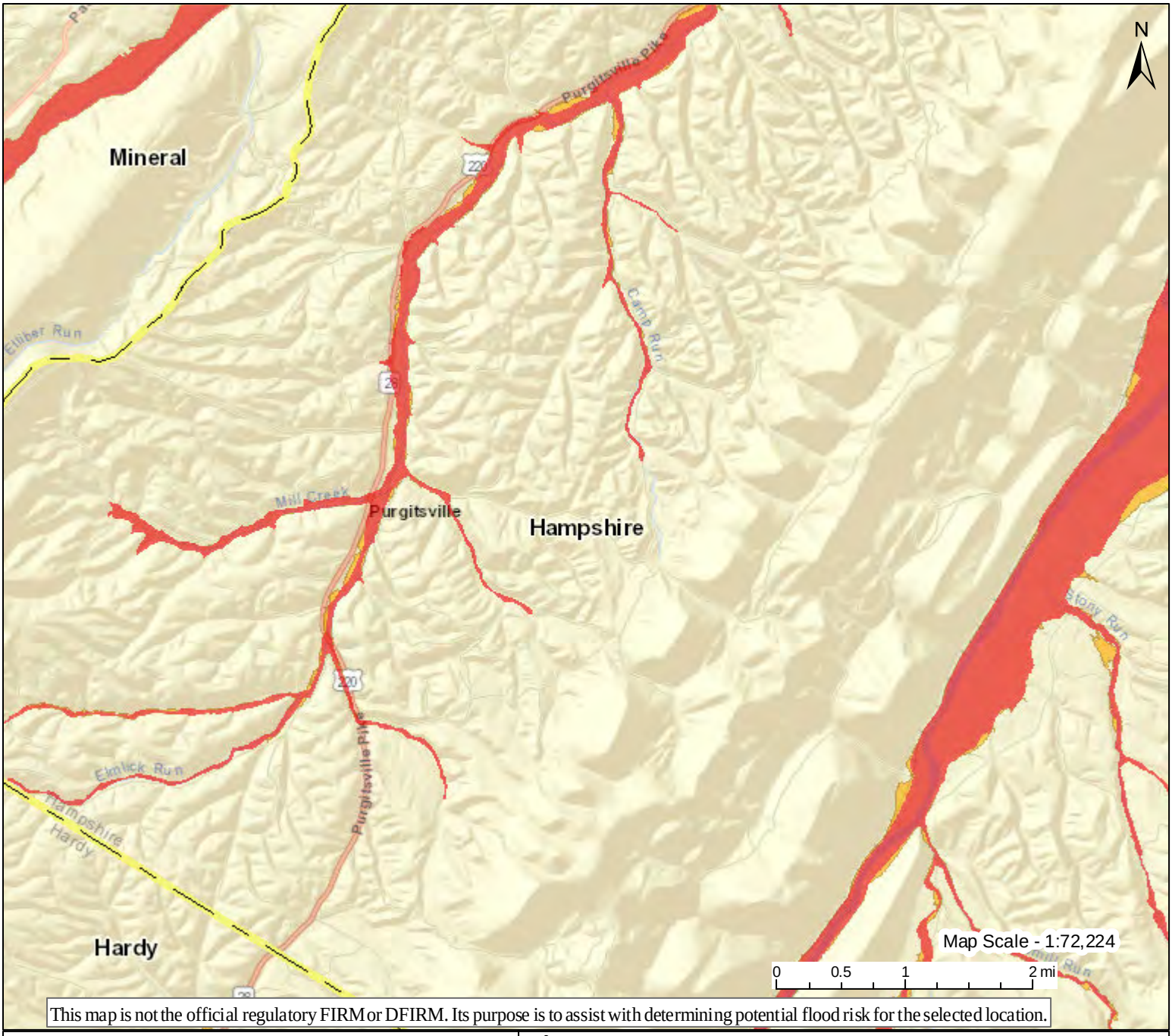
- Lake
- Other
- Riverine

Total Project Area Flood Map



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

HIGH RISK

	Regulatory Floodway
Zone AE	1-Percent-Annual-Chance Flood Hazard Area **With Base Flood Elevation** (BFE)
Zone A	1-Percent-Annual-Chance Flood Hazard Area **Without BFE** (may have Advisory Flood Heights)
Advisory	1-Percent-Annual-Chance Future Conditions (High Risk Advisory Flood Zones)

Download the Full Legend for all flood tool symbols
https://www.mapwv.gov/flood/map/docs/wv_flood_tool_legend.pdf

Disclaimer:
The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. Refer to the official Flood Insurance Study (FIS) for detailed flood elevation data in flood profiles and data tables. WV Flood Tool (*https://www.MapWV.gov/flood*) is supported by FEMA, WV NFIP Office, and WV GIS Technical Center.

Flood Info Location

Map created on 8/25/2021

User Notes

Flood Hazard Area	Location is **NOT WITHIN** any identified flood hazard area. Unmapped flood hazard areas may be present.
Flood Zone	Out of Flood Zone
Stream	
Watershed (HUC8)	South Branch Potomac (2070001)
Flood Height	Flood Height 6a N/A
Water Depth	
Elevation	1001.3 ft (Source: FEMA 2016-17) (NAVD88)
Community & ID	Hampshire County (ID: 540226)
FEMA Map & Date	54027C0220C; Effective Date: 11/7/2002
Location (lat, long)	(39.253394, -78.903917) (WGS84)
Parcel ID	14-06-0004-0006-0000
E-911 Address	

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles, Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map was West Virginia State Plane north zone (FIPSZONE 4701). The **horizontal datum** was NAD83, GRS80 spheroid. Differences in datum, spheroid, projection, UTM zones or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East–West Highway
Silver Spring, Maryland 20910
(301) 713–3191

Elevation Reference Mark (ERM) elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301)–713–3242, or visit their website at WWW.NGS.NOAA.GOV. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

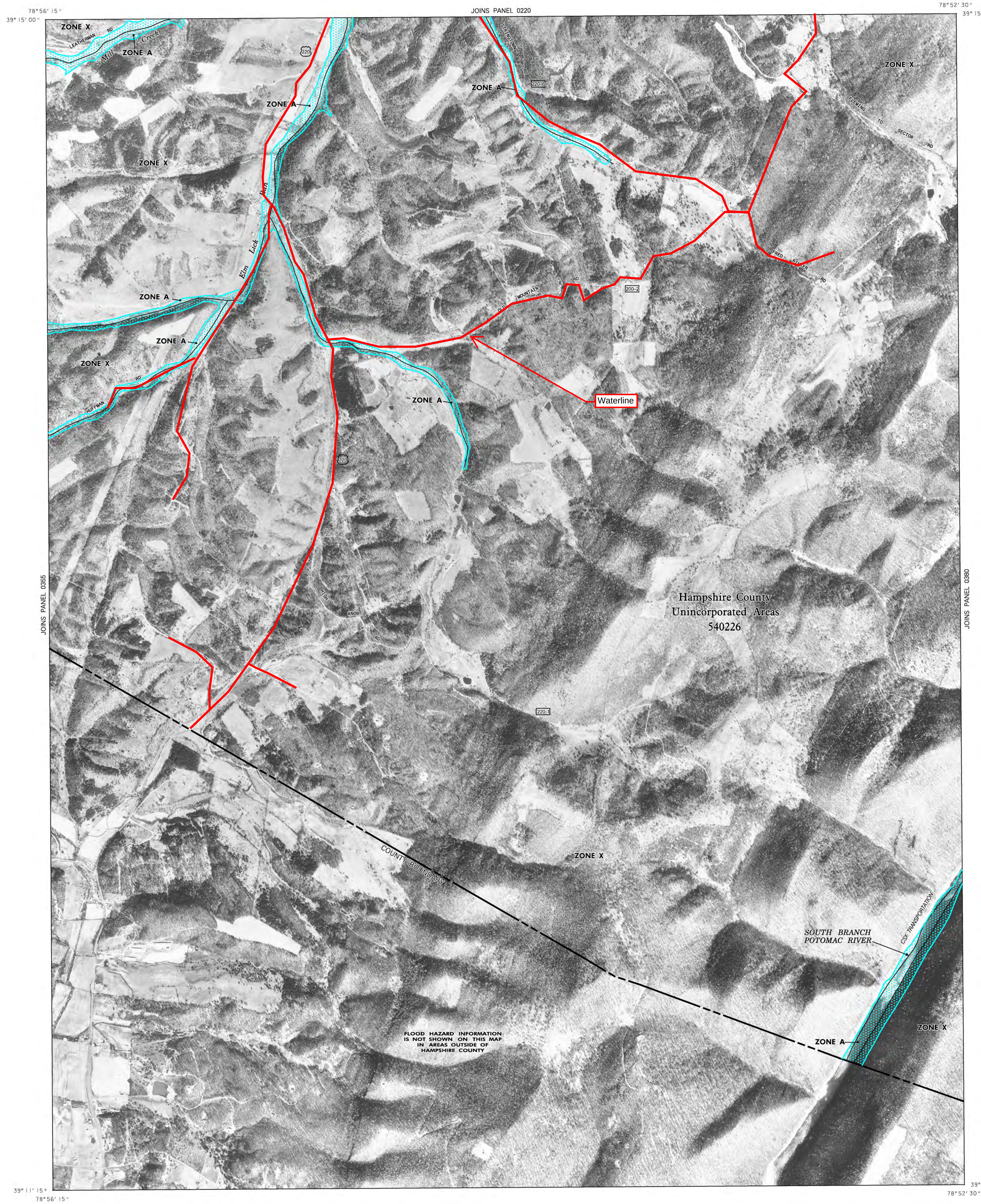
Base map information shown on this FIRM was derived from U. S. Geological Survey Digital Orthophoto Quadrangles produced at a scale of 1:12,000 from photography dated 1989 or later. These files were supplemented with imagery produced at a scale of 1:4,800 dated 1998.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1–800–358–9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1–800–358–9620 and their website at www.fema.gov/msc.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1–877–336–2627) or visit the FEMA website at www.fema.gov.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100–year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water–surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

~~513~~~	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the National Geodetic Vertical Datum of 1929

(A)———(A)	Cross section line
(23)- - - - -(23)	Transect line
97°07' 30", 32°22' 30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
4276000 M	1000–meter Universal Transverse Mercator grid values, zone 17
600000 FT	5000–foot grid ticks: West Virginia State Plane coordinate system, north zone (FIPSZONE 4701), (Lambert conformal conic)
RM7 X	Elevation Reference Mark
• M1.5	River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
NOVEMBER 7, 2002

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1–800–638–6620.

MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
300 0 300 600 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0360 C

FIRM
FLOOD INSURANCE RATE MAP
HAMPSHIRE COUNTY, WEST VIRGINIA AND INCORPORATED AREAS

PANEL 360 OF 530

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HAMPSHIRE COUNTY	540226	0360	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
54027C0360C

EFFECTIVE DATE
NOVEMBER 7, 2002

Federal Emergency Management Agency

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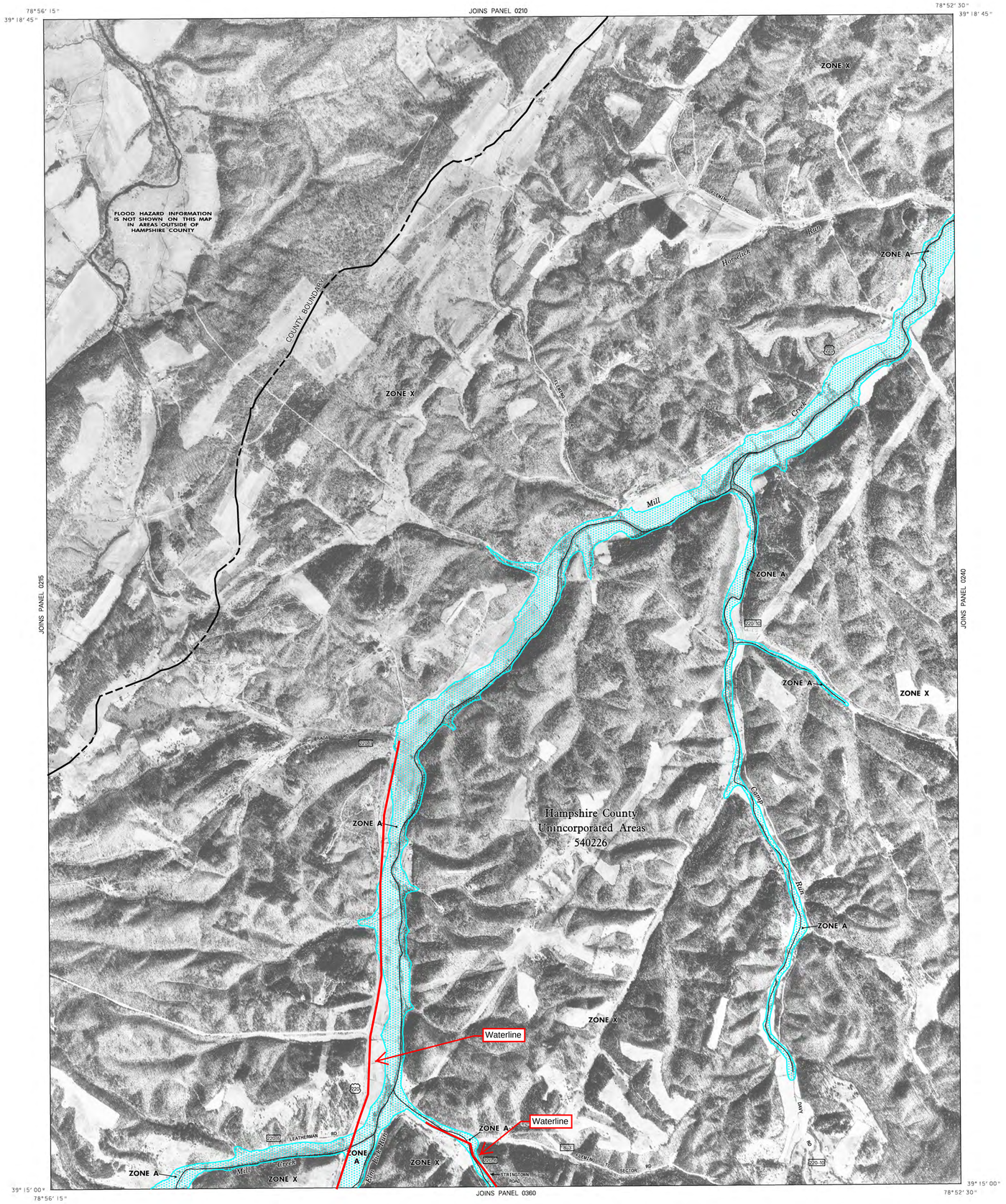

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- RM7 X — Elevation Reference Mark
- M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
NOVEMBER 7, 2002

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

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MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
300 0 300 600 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0220 C

FIRM
FLOOD INSURANCE RATE MAP

HAMPSHIRE COUNTY,
WEST VIRGINIA
AND INCORPORATED AREAS

PANEL 220 OF 530

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HAMPSHIRE COUNTY	540226	0220	C

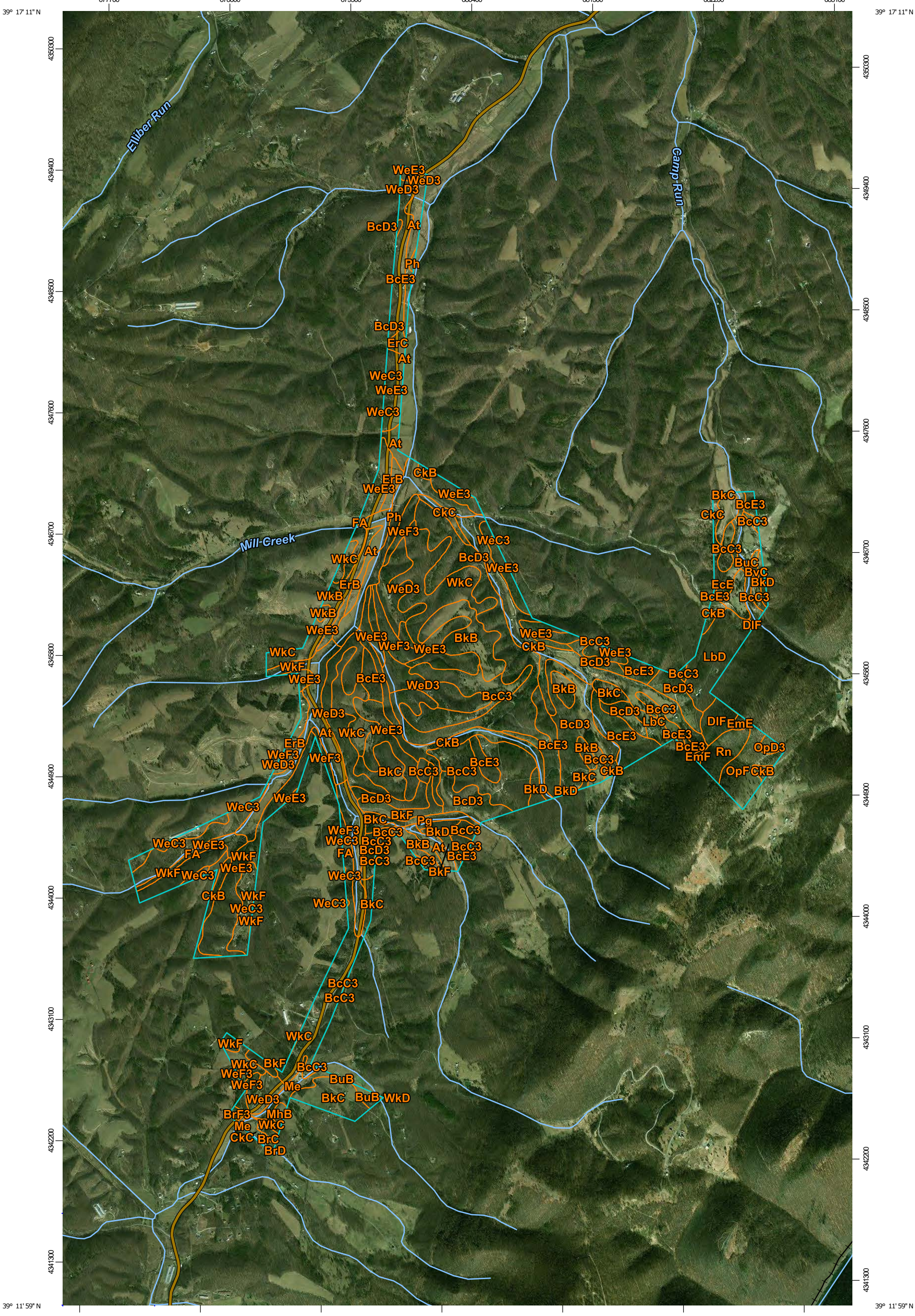
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
54027C0220C

EFFECTIVE DATE
NOVEMBER 7, 2002

Federal Emergency Management Agency

Soil Map—Grant and Hardy Counties, West Virginia, and Hampshire and Mineral Counties, West Virginia
(Southwestern Hampshire County Water Extension Project)



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: Grant and Hardy Counties, West Virginia
Survey Area Data: Version 15, Jun 3, 2020

Soil Survey Area: Hampshire and Mineral Counties, West Virginia
Survey Area Data: Version 15, Jun 4, 2020

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

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

Date(s) aerial images were photographed: May 9, 2011—Mar 10, 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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BrC	Berks-Weikert channery silt loams, 8 to 15 percent slopes	2.8	0.1%
BrD	Berks-Weikert channery silt loams, 15 to 25 percent slopes	0.0	0.0%
BrF3	Berks-Weikert channery silt loams, 25 to 65 percent slopes, severely eroded	2.1	0.1%
CkC	Clarksburg channery silt loam, 8 to 15 percent slopes	5.9	0.3%
Me	Melvin silt loam	0.7	0.0%
Subtotals for Soil Survey Area		**11.5**	**0.6%**
Totals for Area of Interest		**1,890.6**	**100.0%**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
At	Atkins silt loam	103.7	5.5%
BcC3	Berks channery silt loam, 8 to 15 percent slopes, severely eroded	160.1	8.5%
BcD3	Berks channery silt loam, 15 to 25 percent slopes, severely eroded	255.8	13.5%
BcE3	Berks channery silt loam, 25 to 35 percent slopes, severely eroded	175.6	9.3%
BkB	Berks channery silt loam, 3 to 8 percent slopes	58.3	3.1%
BkC	Berks channery silt loam, 8 to 15 percent slopes	64.0	3.4%
BkD	Berks channery silt loam, 15 to 25 percent slopes	15.1	0.8%
BkF	Berks channery silt loam, 35 to 65 percent slopes	25.7	1.4%
BuB	Buchanan channery loam, 3 to 8 percent slopes	4.3	0.2%
BuC	Buchanan channery loam, 8 to 15 percent slopes	20.5	1.1%
BvC	Buchanan very stony loam, 3 to 15 percent slopes	6.0	0.3%
CkB	Clarksburg channery silt loam, 3 to 8 percent slopes	133.2	7.0%
CkC	Clarksburg channery silt loam, 8 to 15 percent slopes	15.1	0.8%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
DlF	Dekalb and Lehew very stony sandy loams, 35 to 65 percent slopes	14.7	0.8%
EcE	Edom silt loam, moderately shallow variant, 25 to 35 percent slopes	14.0	0.7%
EmE	Elliber very stony loam, 15 to 35 percent slopes	2.4	0.1%
EmF	Elliber very stony loam, 35 to 65 percent slopes	1.1	0.1%
ErB	Ernest silt loam, 3 to 8 percent slopes	29.3	1.6%
ErC	Ernest silt loam, 8 to 15 percent slopes	4.4	0.2%
FA	Fluvaquents	41.9	2.2%
LbC	Laidig very stony loam, 3 to 15 percent slopes	8.8	0.5%
LbD	Laidig very stony loam, 15 to 25 percent slopes	45.7	2.4%
Me	Melvin silt loam	12.7	0.7%
MhB	Monongahela silt loam, 3 to 8 percent slopes	3.1	0.2%
OpD3	Opequon-Rock outcrop complex, 8 to 25 percent slopes, severely eroded	3.8	0.2%
OpF	Opequon-Rock outcrop complex, 25 to 65 percent slopes	30.2	1.6%
Pg	Philo gravelly loam	10.3	0.5%
Ph	Philo silt loam	45.0	2.4%
Rn	Rubble land	18.8	1.0%
WeC3	Weikert channery silt loam, 8 to 15 percent slopes, severely eroded	31.9	1.7%
WeD3	Weikert channery silt loam, 15 to 25 percent slopes, severely eroded	117.1	6.2%
WeE3	Weikert channery silt loam, 25 to 35 percent slopes, severely eroded	194.4	10.3%
WeF3	Weikert channery silt loam, 35 to 65 percent slopes, severely eroded	34.7	1.8%
WkB	Weikert-Berks channery silt loams, 3 to 8 percent slopes	2.4	0.1%
WkC	Weikert-Berks channery silt loams, 8 to 15 percent slopes	97.8	5.2%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
WkD	Weikert-Berks channery silt loams, 15 to 25 percent slopes	0.5	0.0%
WkF	Weikert-Berks channery silt loams, 35 to 65 percent slopes	76.5	4.0%
Subtotals for Soil Survey Area		**1,879.0**	**99.4%**
Totals for Area of Interest		**1,890.6**	**100.0%**

Map Scale: 1:5,350 if printed on B landscape (17" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

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

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.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Hampshire and Mineral Counties, West Virginia
Survey Area Data: Version 16, Sep 13, 2021

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

Date(s) aerial images were photographed: May 9, 2011—Mar 10, 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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BcE3	Berks channery silt loam, 25 to 35 percent slopes, severely eroded	5.6	41.6%
BkC	Berks channery silt loam, 8 to 15 percent slopes	2.7	20.2%
BkF	Berks channery silt loam, 35 to 65 percent slopes	1.1	8.2%
BuB	Buchanan channery loam, 3 to 8 percent slopes	0.3	1.9%
Me	Melvin silt loam	0.5	3.8%
WeD3	Weikert channery silt loam, 15 to 25 percent slopes, severely eroded	2.6	19.6%
WkC	Weikert-Berks channery silt loams, 8 to 15 percent slopes	0.6	4.6%
WkF	Weikert-Berks channery silt loams, 35 to 65 percent slopes	0.0	0.2%
Totals for Area of Interest		**13.5**	**100.0%**

Map Scale: 1:3,100 if printed on B portrait (11" x 17") sheet.

N

Meters
0 45 90 180 270

Feet
0 150 300 600 900

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

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.

Warning: Soil Map may not be valid at this scale.

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

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Soil Survey Area: Hampshire and Mineral Counties, West Virginia
Survey Area Data: Version 16, Sep 13, 2021

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

Date(s) aerial images were photographed: May 9, 2011—Mar 10, 2017

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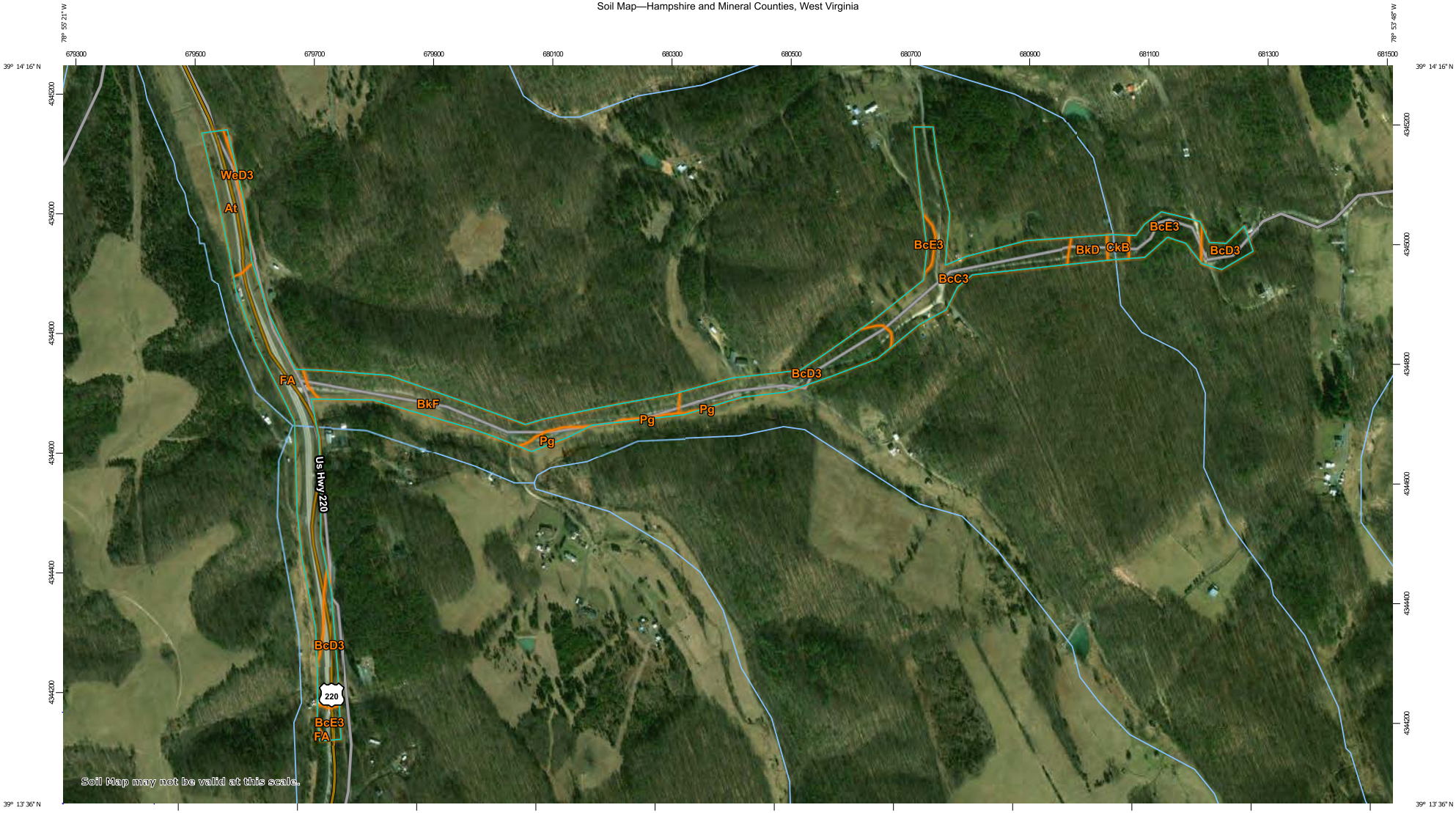
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BcE3	Berks channery silt loam, 25 to 35 percent slopes, severely eroded	5.4	68.0%
FA	Fluvaquents	2.6	32.0%
Totals for Area of Interest		**8.0**	**100.0%**



Map Scale: 1:6,010 if printed on B landscape (17" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

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

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

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

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Survey Area Data: Version 16, Sep 13, 2021

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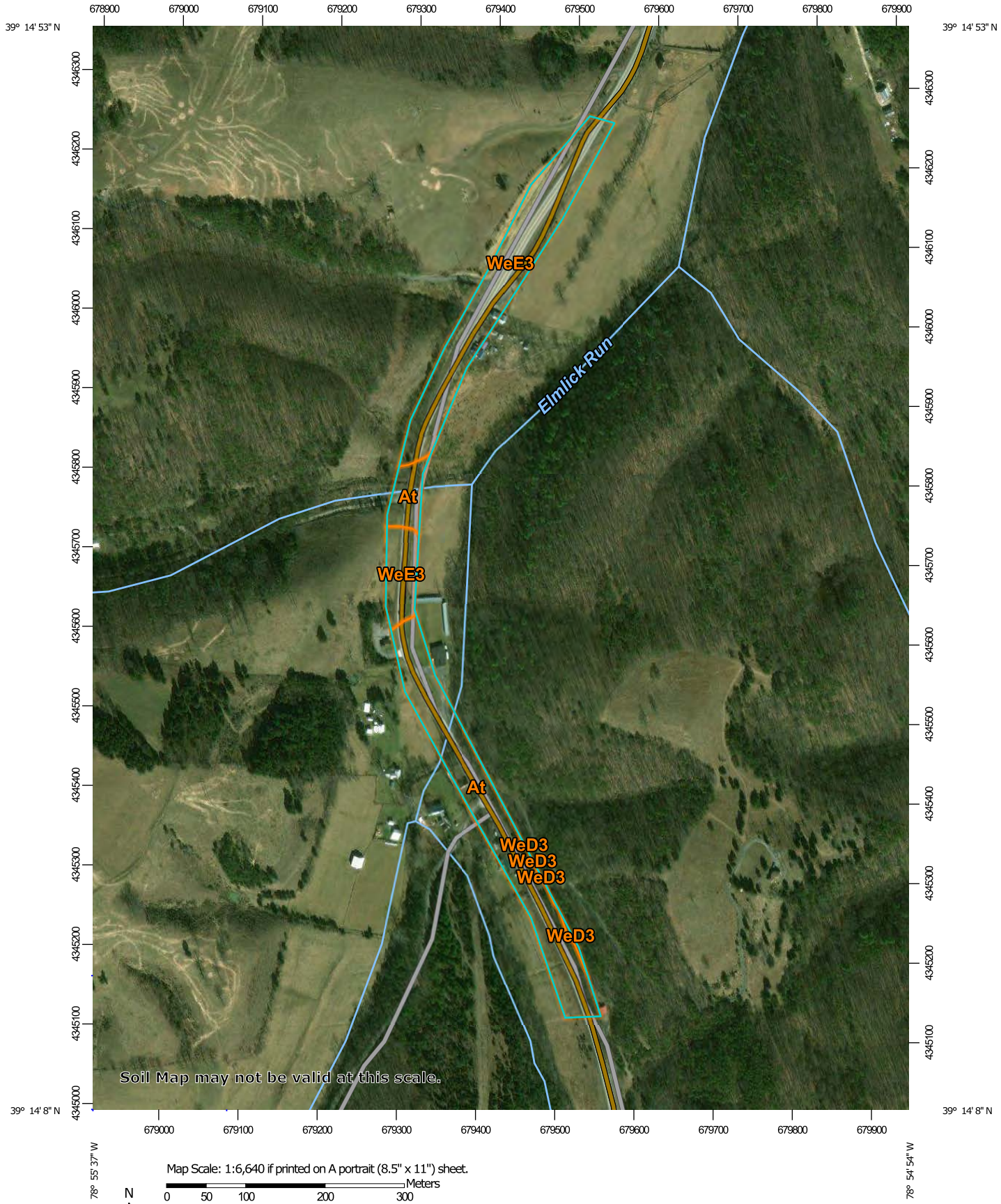
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
At	Atkins silt loam	2.3	7.6%
BcC3	Berks channery silt loam, 8 to 15 percent slopes, severely eroded	6.1	20.5%
BcD3	Berks channery silt loam, 15 to 25 percent slopes, severely eroded	5.8	19.4%
BcE3	Berks channery silt loam, 25 to 35 percent slopes, severely eroded	2.2	7.3%
BkD	Berks channery silt loam, 15 to 25 percent slopes	0.7	2.3%
BkF	Berks channery silt loam, 35 to 65 percent slopes	5.7	19.3%
CkB	Clarksburg channery silt loam, 3 to 8 percent slopes	0.4	1.3%
FA	Fluvaquents	5.9	19.9%
Pg	Philo gravelly loam	0.6	1.9%
WeD3	Weikert channery silt loam, 15 to 25 percent slopes, severely eroded	0.1	0.5%
Totals for Area of Interest		**29.6**	**100.0%**

Soil Map—Hampshire and Mineral Counties, West Virginia



Map Scale: 1:6,640 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 50 100 200 300

Feet
0 300 600 1200 1800

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

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.

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

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Soil Survey Area: Hampshire and Mineral Counties, West Virginia
Survey Area Data: Version 16, Sep 13, 2021

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Date(s) aerial images were photographed: May 9, 2011—Mar 10, 2017

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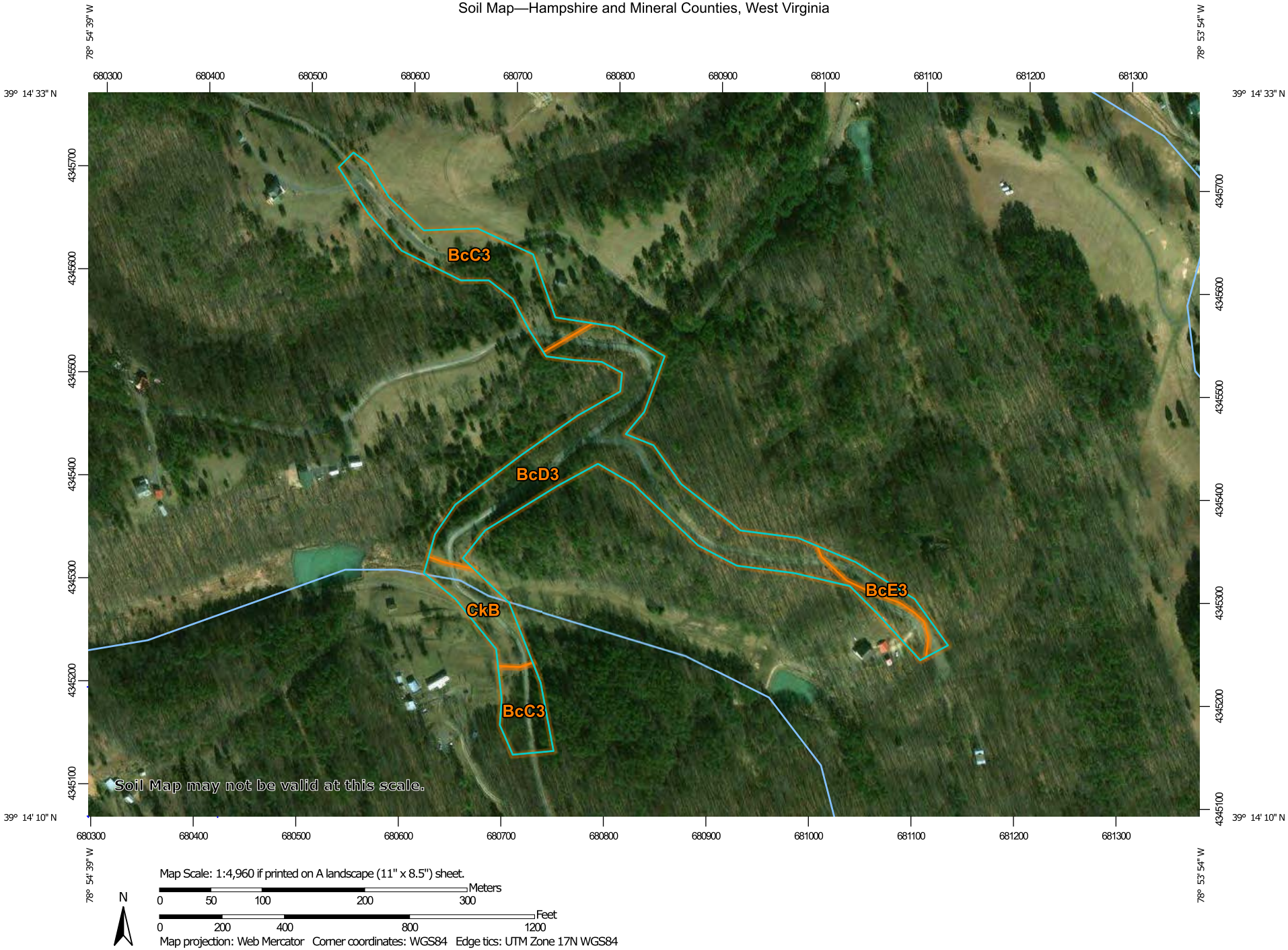
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
At	Atkins silt loam	6.2	49.1%
WeD3	Weikert channery silt loam, 15 to 25 percent slopes, severely eroded	0.1	0.6%
WeE3	Weikert channery silt loam, 25 to 35 percent slopes, severely eroded	6.3	50.3%
Totals for Area of Interest		**12.6**	**100.0%**



Map Scale: 1:4,960 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 200 400 800 1200

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

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.

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

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Soil Survey Area: Hampshire and Mineral Counties, West Virginia
Survey Area Data: Version 16, Sep 13, 2021

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

Date(s) aerial images were photographed: May 9, 2011—Mar 10, 2017

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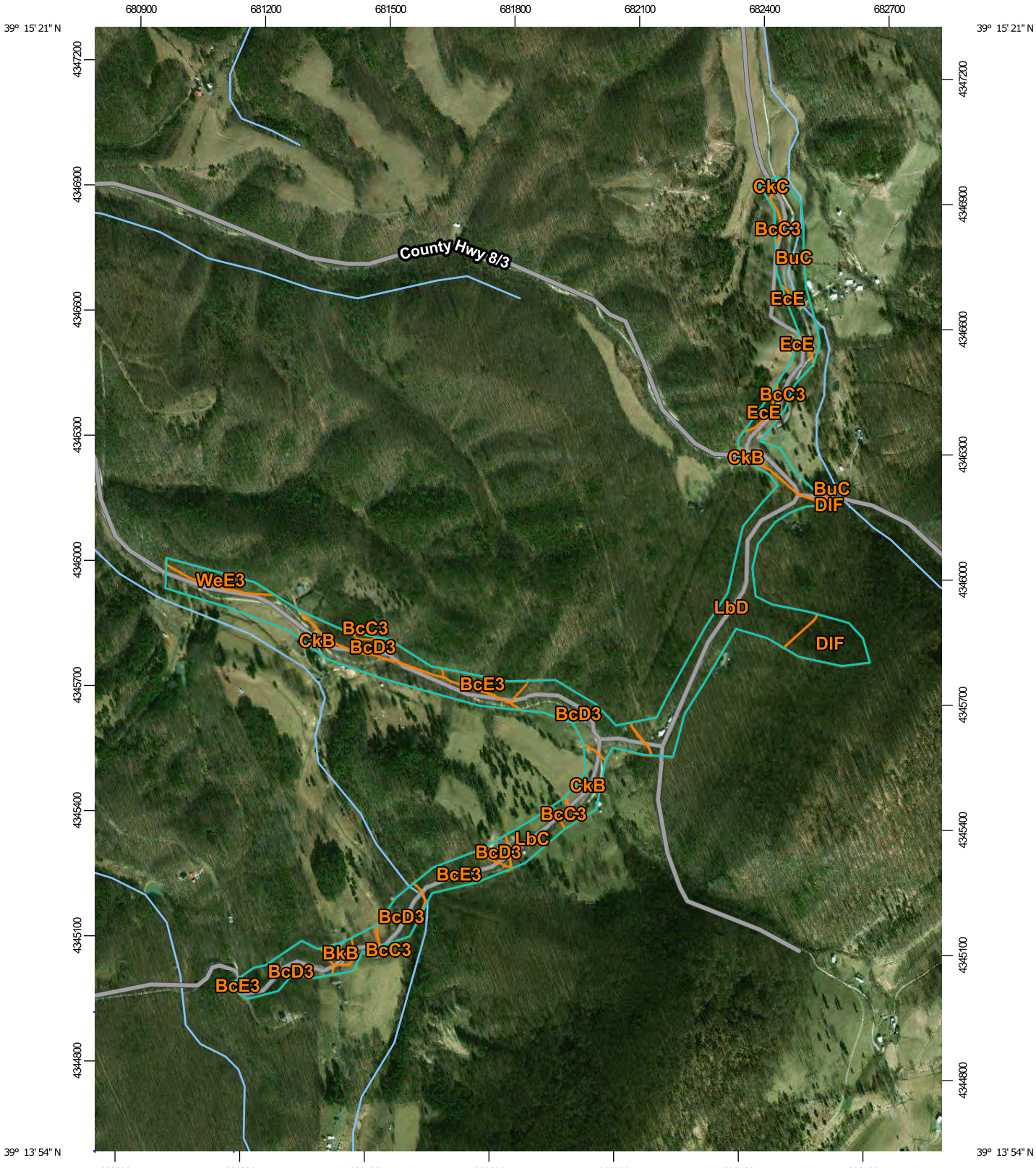
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BcC3	Berks channery silt loam, 8 to 15 percent slopes, severely eroded	3.4	30.4%
BcD3	Berks channery silt loam, 15 to 25 percent slopes, severely eroded	6.2	55.5%
BcE3	Berks channery silt loam, 25 to 35 percent slopes, severely eroded	0.5	4.6%
CkB	Clarksburg channery silt loam, 3 to 8 percent slopes	1.1	9.5%
Totals for Area of Interest		**11.1**	**100.0%**

Soil Map—Hampshire and Mineral Counties, West Virginia



Map Scale: 1:13,100 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 150 300 600 900

Feet: 0 500 1000 2000 3000

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

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)

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Soil Survey Area: Hampshire and Mineral Counties, West Virginia
Survey Area Data: Version 16, Sep 13, 2021

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

Date(s) aerial images were photographed: May 9, 2011—Mar 10, 2017

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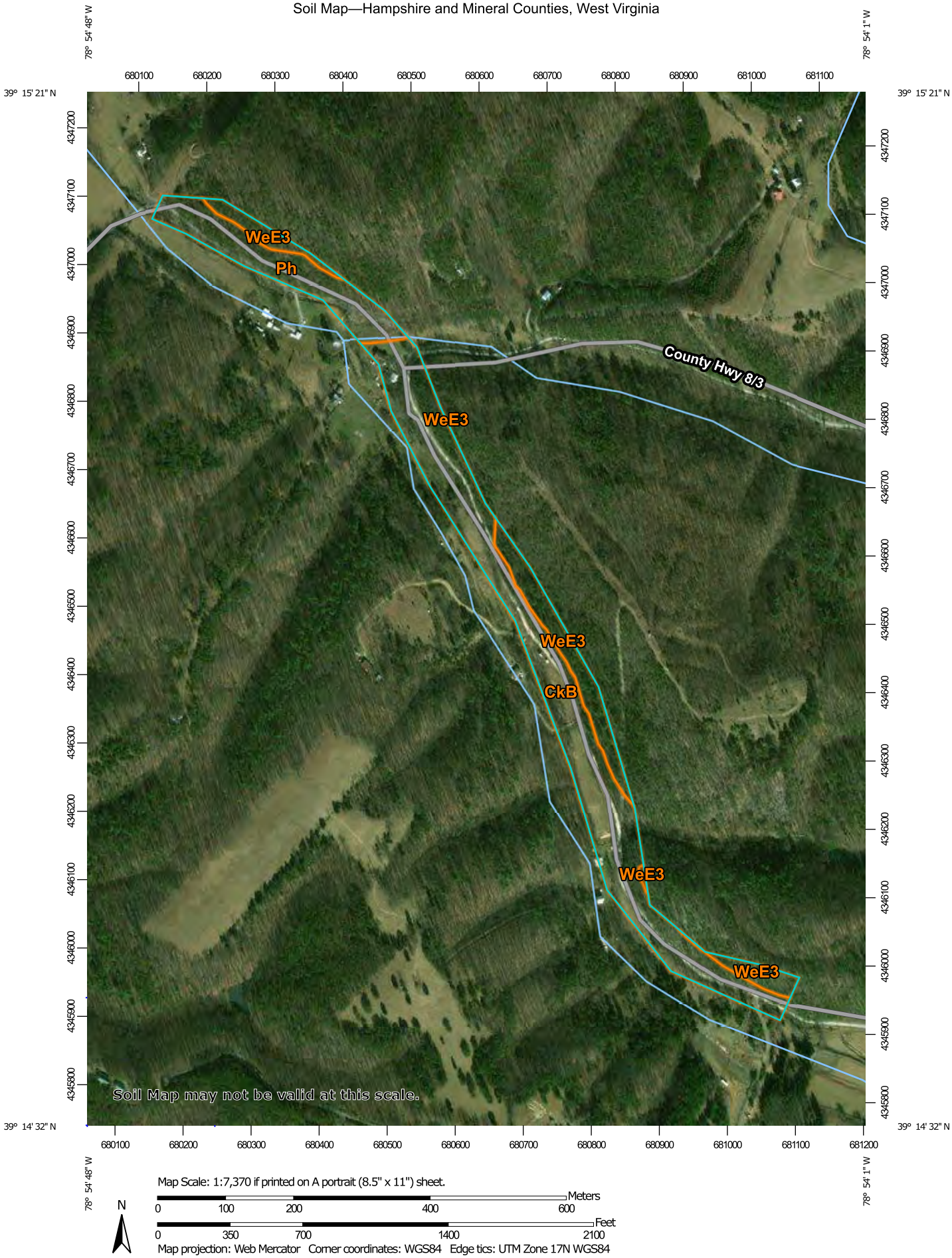
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BcC3	Berks channery silt loam, 8 to 15 percent slopes, severely eroded	7.1	10.0%
BcD3	Berks channery silt loam, 15 to 25 percent slopes, severely eroded	15.9	22.4%
BcE3	Berks channery silt loam, 25 to 35 percent slopes, severely eroded	4.9	6.9%
BkB	Berks channery silt loam, 3 to 8 percent slopes	0.8	1.2%
BuC	Buchanan channery loam, 8 to 15 percent slopes	5.6	7.9%
CkB	Clarksburg channery silt loam, 3 to 8 percent slopes	12.2	17.3%
CkC	Clarksburg channery silt loam, 8 to 15 percent slopes	0.5	0.7%
DlF	Dekalb and Lehew very stony sandy loams, 35 to 65 percent slopes	4.0	5.6%
EcE	Edom silt loam, moderately shallow variant, 25 to 35 percent slopes	0.7	0.9%
LbC	Laidig very stony loam, 3 to 15 percent slopes	2.4	3.4%
LbD	Laidig very stony loam, 15 to 25 percent slopes	14.9	21.0%
WeE3	Weikert channery silt loam, 25 to 35 percent slopes, severely eroded	1.8	2.5%
Totals for Area of Interest		**70.7**	**100.0%**

Soil Map—Hampshire and Mineral Counties, West Virginia



Map Scale: 1:7,370 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 350 700 1400 2100

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

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.

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

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Survey Area Data: Version 16, Sep 13, 2021

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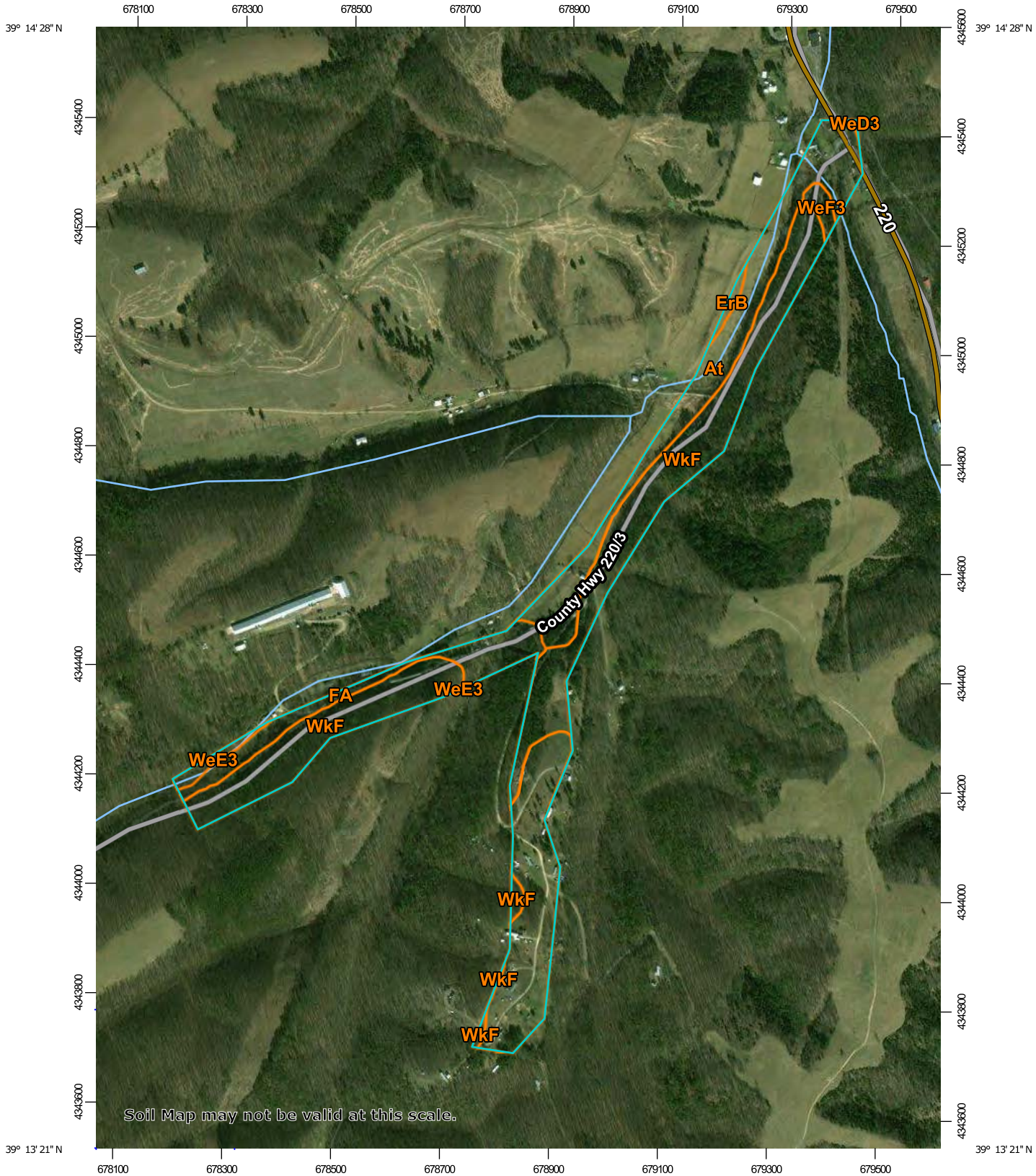
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CkB	Clarksburg channery silt loam, 3 to 8 percent slopes	14.8	62.2%
Ph	Philo silt loam	4.6	19.5%
WeE3	Weikert channery silt loam, 25 to 35 percent slopes, severely eroded	4.4	18.3%
Totals for Area of Interest		**23.9**	**100.0%**

Soil Map—Hampshire and Mineral Counties, West Virginia



Map Scale: 1:9,990 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 100 200 400 600

Feet
0 450 900 1800 2700

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

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

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Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Survey Area Data: Version 16, Sep 13, 2021

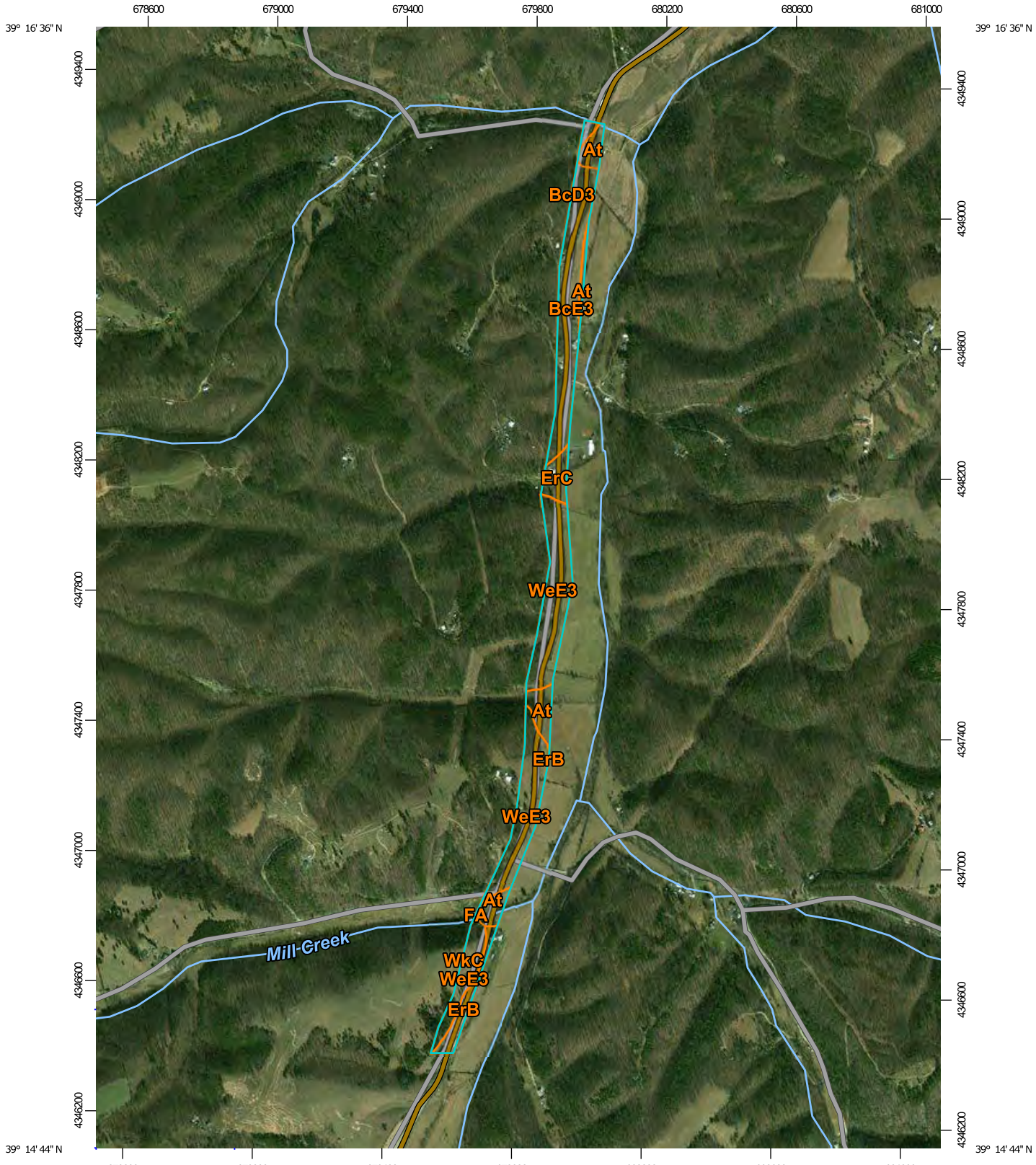
Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 9, 2011—Mar 10, 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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
At	Atkins silt loam	13.2	22.9%
ErB	Ernest silt loam, 3 to 8 percent slopes	0.4	0.7%
FA	Fluvaquents	5.6	9.7%
WeC3	Weikert channery silt loam, 8 to 15 percent slopes, severely eroded	11.2	19.5%
WeD3	Weikert channery silt loam, 15 to 25 percent slopes, severely eroded	0.0	0.0%
WeE3	Weikert channery silt loam, 25 to 35 percent slopes, severely eroded	0.8	1.4%
WeF3	Weikert channery silt loam, 35 to 65 percent slopes, severely eroded	0.8	1.3%
WkF	Weikert-Berks channery silt loams, 35 to 65 percent slopes	25.7	44.5%
Totals for Area of Interest		**57.8**	**100.0%**



Map Scale: 1:16,800 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 200 400 800 1200

Feet: 0 500 1000 2000 3000

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

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: Hampshire and Mineral Counties, West Virginia
Survey Area Data: Version 16, Sep 13, 2021

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

Date(s) aerial images were photographed: May 9, 2011—Mar 10, 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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
At	Atkins silt loam	6.3	12.6%
BcD3	Berks channery silt loam, 15 to 25 percent slopes, severely eroded	0.0	0.0%
BcE3	Berks channery silt loam, 25 to 35 percent slopes, severely eroded	14.5	28.8%
ErB	Ernest silt loam, 3 to 8 percent slopes	2.7	5.4%
ErC	Ernest silt loam, 8 to 15 percent slopes	2.3	4.7%
FA	Fluvaquents	0.0	0.0%
WeE3	Weikert channery silt loam, 25 to 35 percent slopes, severely eroded	24.4	48.4%
WkC	Weikert-Berks channery silt loams, 8 to 15 percent slopes	0.1	0.1%
Totals for Area of Interest		**50.4**	**100.0%**