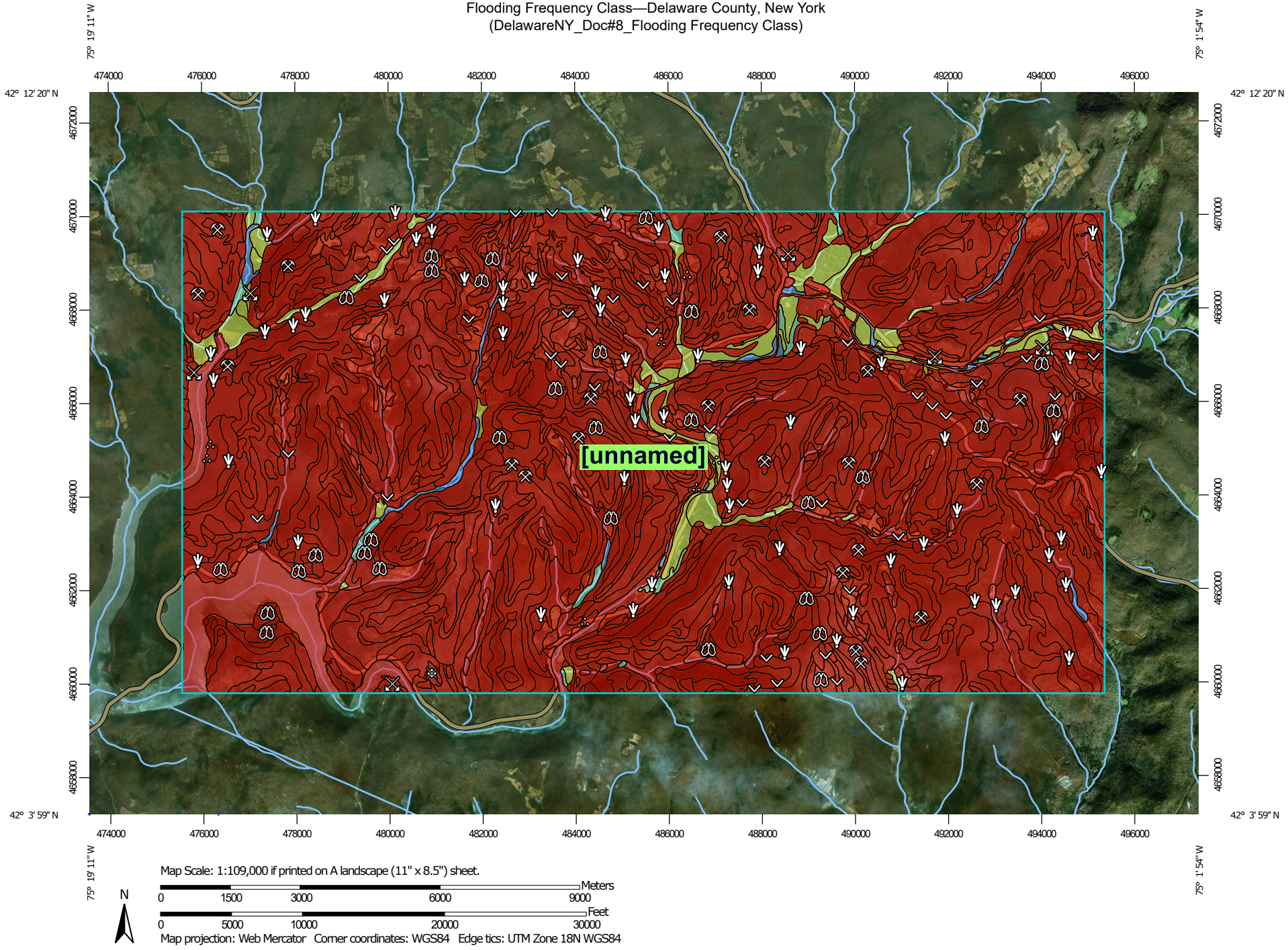
Flooding Frequency Class—Delaware County, New York
(DelawareNY_Doc#8_Flooding Frequency Class)



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons

Soil Rating Polygons
- None
- Very Rare
- Rare
- Occasional
- Frequent
- Very Frequent
- Not rated or not available

Soil Rating Lines
- None
- Very Rare
- Rare
- Occasional
- Frequent
- Very Frequent
- Not rated or not available

Soil Rating Points
- None
- Very Rare
- Rare
- Occasional
- Frequent
- Very Frequent
- Not rated or not available

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

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 1:24,000.

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: Delaware County, New York
Survey Area Data: Version 22, Jun 11, 2020

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

Date(s) aerial images were photographed: Mar 14, 2012—Sep 15, 2016

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.

Flooding Frequency Class

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Bc	Barbour loam	Rare	696.6	1.4%
Bg	Barbour-Trestle complex	Rare	183.1	0.4%
Bs	Basher silt loam	Occasional	296.6	0.6%
BtC	Bath channery silt loam, 8 to 15 percent slopes	None	55.3	0.1%
BtD	Bath channery silt loam, 15 to 25 percent slopes	None	564.6	1.1%
BtE	Bath channery silt loam, 25 to 35 percent slopes	None	160.2	0.3%
ChC	Chenango gravelly silt loam, 8 to 15 percent slopes	None	93.2	0.2%
ChD	Chenango gravelly silt loam, 15 to 25 percent slopes	None	57.1	0.1%
ChE	Chenango gravelly silt loam, 25 to 50 percent slopes	None	16.3	0.0%
De	Deposit gravelly silt loam	Rare	41.8	0.1%
ElC	Elka-Vly channery silt loams, 3 to 15 percent slopes, very stony	None	26.1	0.1%
ElE	Elka-Vly channery silt loams, 15 to 35 percent slopes, very stony	None	311.6	0.6%
ElF	Elka-Vly channery silt loams, 35 to 70 percent slopes, very stony	None	434.5	0.9%
Ff	Fluvaquents-Udifluvents complex, frequently flooded	Frequent	366.0	0.7%
HcC	Halcott, Mongaup, and Vly soils, 2 to 15 percent slopes, very rocky	None	3,766.5	7.4%
HcE	Halcott, Mongaup, and Vly soils, 15 to 35 percent slopes, very rocky	None	6,496.8	12.8%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
OrF	Oquaga, Lordstown, and Arnot soils, 35 to 70 percent slopes, very rocky	None	1,377.5	2.7%
Pc	Philo silt loam	Occasional	4.0	0.0%
Pg	Pits, gravel	None	27.8	0.1%
Ph	Pits, quarry	None	4.5	0.0%
Rb	Raypol silt loam	Rare	41.9	0.1%
Re	Red Hook gravelly silt loam	None	19.7	0.0%
RhA	Riverhead loam, 0 to 3 percent slopes	None	55.8	0.1%
RhB	Riverhead loam, 3 to 8 percent slopes	None	2.8	0.0%
RhC	Riverhead loam, 8 to 15 percent slopes	None	53.1	0.1%
RhD	Riverhead loam, 15 to 25 percent slopes	None	12.8	0.0%
RrE	Rockrift channery loam, 15 to 35 percent slopes, very bouldery	None	1,050.7	2.1%
RrF	Rockrift channery loam, 35 to 70 percent slopes, very bouldery	None	1,349.5	2.7%
Sa	Saprists and Aquents, ponded	None	5.6	0.0%
TeB	Torull-Gretor complex, 0 to 6 percent slopes	None	82.7	0.2%
TkA	Tunkhannock gravelly loam, 0 to 3 percent slopes	None	146.8	0.3%
TkB	Tunkhannock gravelly loam, 3 to 8 percent slopes	None	165.6	0.3%
TkC	Tunkhannock gravelly loam, 8 to 15 percent slopes	None	319.2	0.6%
TkD	Tunkhannock gravelly loam, 15 to 25 percent slopes	None	64.7	0.1%
TkE	Tunkhannock gravelly loam, 25 to 50 percent slopes	None	105.9	0.2%
TtA	Tunkhannock and Chenango soils, fan, 0 to 3 percent slopes	Rare	439.6	0.9%
TtB	Tunkhannock and Chenango soils, fan, 3 to 8 percent slopes	Rare	401.8	0.8%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Ud	Udorthents, graded	None	38.5	0.1%
Uf	Udorthents, refuse substratum	None	3.4	0.0%
Un	Unadilla silt loam	None	92.3	0.2%
Ur	Urban land	None	57.4	0.1%
VaB	Valois very fine sandy loam, 3 to 8 percent slopes	None	80.3	0.2%
VaC	Valois very fine sandy loam, 8 to 15 percent slopes	None	176.8	0.3%
VaD	Valois very fine sandy loam, 15 to 25 percent slopes	None	208.5	0.4%
VaE	Valois very fine sandy loam, 25 to 60 percent slopes	None	199.2	0.4%
VlB	Vly channery silt loam, 2 to 8 percent slopes	None	127.0	0.3%
VlC	Vly channery silt loam, 8 to 15 percent slopes	None	231.5	0.5%
VlD	Vly channery silt loam, 15 to 25 percent slopes	None	93.1	0.2%
VlE	Vly channery silt loam, 25 to 40 percent slopes	None	168.6	0.3%
VoB	Volusia channery silt loam, 3 to 8 percent slopes	None	80.8	0.2%
VoC	Volusia channery silt loam, 8 to 15 percent slopes	None	43.5	0.1%
W	Water	None	1,979.4	3.9%
WeB	Wellsboro channery silt loam, 3 to 8 percent slopes	None	133.7	0.3%
WeC	Wellsboro channery silt loam, 8 to 15 percent slopes	None	1,007.1	2.0%
WeD	Wellsboro channery silt loam, 15 to 25 percent slopes	None	1,117.9	2.2%
WfC	Wellsboro and Mardin soils, 2 to 15 percent slopes, very stony	None	616.8	1.2%
WhB	Willdin channery silt loam, 2 to 8 percent slopes	None	172.9	0.3%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
WhC	Willdin channery silt loam, 8 to 15 percent slopes	None	616.1	1.2%
WhD	Willdin channery silt loam, 15 to 25 percent slopes	None	34.7	0.1%
WmB	Willowemoc channery silt loam, 3 to 8 percent slopes	None	50.3	0.1%
WmC	Willowemoc channery silt loam, 8 to 15 percent slopes	None	538.1	1.1%
WmD	Willowemoc channery silt loam, 15 to 25 percent slopes	None	355.6	0.7%
WnC	Willowemoc and Willdin soils, 2 to 15 percent slopes, very stony	None	1,359.2	2.7%
Totals for Area of Interest			**50,615.2**	**100.0%**

Description

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent.

"None" means that flooding is not probable. The chance of flooding is nearly 0 percent in any year. Flooding occurs less than once in 500 years.

"Very rare" means that flooding is very unlikely but possible under extremely unusual weather conditions. The chance of flooding is less than 1 percent in any year.

"Rare" means that flooding is unlikely but possible under unusual weather conditions. The chance of flooding is 1 to 5 percent in any year.

"Occasional" means that flooding occurs infrequently under normal weather conditions. The chance of flooding is 5 to 50 percent in any year.

"Frequent" means that flooding is likely to occur often under normal weather conditions. The chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year.

"Very frequent" means that flooding is likely to occur very often under normal weather conditions. The chance of flooding is more than 50 percent in all months of any year.