




Break in slope from agricultural field where stream originates.

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Sand/gravel to silt/clay
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	Present
Matted/Bent Vegetation Indicator Location	x
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope, changes in particle-sized distribution from sand/gravel to silt/clay, and change in vegetation type and/or density from vegetation absent to forbs were the strongest and most reliable indicators used to define the OHWM. Additionally, vegetation

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	378464
Survey Date	08/15/2023
User	Rachel Nazak
General Information	
Project ID #	05-ST003
Site Name	21029 Agricola Wind
Date	08/15/2023
Time	02:38 PM
Location	
Latitude	42.73166717
Longitude	-76.501242
Datum	NAD83/2011
Investigator(s)	JK JP
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream occurs between road and agriculture field. Rain within 24 hours prior to survey. This stream partially corresponds with a NYSDEC mapped unprotected stream.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream is a roadside drainage ditch with steep walls. Vegetation around stream is mowed. Fish observed in pool to north of culvert. Water present in stream channel at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	

matted down and/or bent and leaf litter disturbed or washed away occurred intermittently and were used to support the other OHWM indicators where present.	
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	
	
Upstream photograph with break in slope present.	Downstream photograph with break in slope present. The stream flows through a culvert under an access road to an adjacent agricultural field.

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	378461
Survey Date	08/15/2023
User	Rachel Nazak
General Information	
Project ID #	05-ST004
Site Name	21029 Agricola Wind
Date	08/15/2023
Time	01:49 PM
Location	
Latitude	42.73178767
Longitude	-76.5066855
Datum	NAD83/2011
Investigator(s)	JK JP
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream begins at edge of agriculture field and runs along edge of trail in deciduous forest. Rain within 24 hours prior to survey.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream originates at agriculture tile discharge and flows adjacent mowed path. Water present in stream channel at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	

Photos	
Photo log attached?	Yes
Photos	
	
Upstream photo with break in slope, particle-size distribution, and transition in vegetation present.	Downstream photo with particle-size distribution and vegetation transition occurring.

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Gravel/cobble to silt/clay
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope, changes in particle-sized distribution from gravel/cobble to silt/clay, and change in vegetation type and/or density from vegetation absent to forbs were the indicators used to define the OHWM and were present for the entire mapped reach of the stream.
Additional observations or notes	

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	379409
Survey Date	08/16/2023
User	Rachel Nazak
General Information	
Project ID #	23-ST018
Site Name	21029 Agricola Wind
Date	08/16/2023
Time	09:39 AM
Location	
Latitude	42.731527
Longitude	-76.532674
Investigator(s)	RN JP
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream is located partially between agriculture fields and partially in wooded area. Rain within 24 hours prior to survey.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream flows through mowed strip between agriculture fields and into large forested wetland. Linear form between agriculture field but becomes sinuous in forested wetland. Also receives water from swale wetland at eastern of mapped stream reach. Water present in stream at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	a
Shelf at top of bank	
Natural Levee	
Man-made Berms or Levees	
Other Berms Description	

Channel bar	Present
Channel Bar Indicator Location	x
Shelving (berms) on bar	
Unvegetated	
Vegetation transition (go to veg. indicators)	
Sediment transition (go to sed. indicators)	
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	
Secondary channels	Present
Secondary Channels Indicator Location	x
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Gravel/cobble to silt/clay
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	deciduous trees
Vegetation matted down and/or bent:	Present
Matted/Bent Vegetation Indicator Location	x
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present

Wracking Indicator Location	x
Presence of large wood	Present
Presence of Large Wood Indicator Location	x
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope, changes in particle-sized distribution from gravel/cobble to silt/clay, and change in vegetation type and/or density from vegetation absent to deciduous trees were the strongest and most reliable indicators used to define the OHWM. Additionally, other indicators were observed intermittently and were used to support the determination of the OHWM when present.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Downstream photo with vegetation transition, bent down vegetation, break in slope, and particle-size distribution.



Break in slope and vegetation transition.



Break in slope and vegetation transition.



Vegetation mowed down, break in slope, and vegetation transition.



Wracking of large wood and organic debris.



Break in slope and vegetation transition.



Vegetation transition and particle-size distribution, facing upstream.



Break in slope present, facing downstream.



Secondary channels present.

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	379410
Survey Date	08/16/2023
User	Rachel Nazak
General Information	
Project ID #	23-ST019
Site Name	21029 Agricola Wind
Date	08/16/2023
Time	11:54 AM
Location	
Latitude	42.7324275
Longitude	-76.53397957
Datum	WGS84
Investigator(s)	RN JP
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream is located within NWI mapped PFO1E wetland. Rain within 24 hours prior to survey.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream forms in large PFO wetland where drainage channelizes. Converges with stream 23-ST020 outside of study area. Water present in stream channel at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	

Additional observations or notes

Photos	
Photo log attached?	Yes
Photos	



Break in slope, vegetation transition, and sediment transition, facing upstream.



Break in slope, vegetation transition, and sediment transition, facing downstream.

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Silt/clay/gravel to silt/clay
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope, changes in particle-sized distribution from clay/silt/gravel to silt/clay, and change in vegetation type and/or density from vegetation absent to forbs were the strongest and most reliable indicators used to define the OHWM. Additionally, leaf litter disturbed or washed away occurred intermittently and was used to support the other OHWM indicators where present.

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	379412
Survey Date	08/16/2023
User	Rachel Nazak
General Information	
Project ID #	23-ST020
Site Name	21029 Agricola Wind
Date	08/16/2023
Time	12:09 PM
Location	
Latitude	42.73243262
Longitude	-76.53364941
Datum	WGS84
Investigator(s)	RN JP
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream is located within NWI mapped PFO1E wetland. Rain within 24 hours prior to survey.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream flows from beyond study area through large PFO wetland. Converges with stream 23-ST019 outside of study area. Water present in stream channel at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	Present
Matted/Bent Vegetation Indicator Location	x
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope and change in vegetation type and/or density from vegetation absent to forbs were the strongest and most reliable indicators used to define the OHWM. Additionally, vegetation matted down and/or bent occurred intermittently and was used to support the other OHWM indicators where present.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	379645
Survey Date	08/18/2023
User	Rachel Nazak
General Information	
Project ID #	23-ST021
Site Name	21029 Agricola Wind
Date	08/18/2023
Time	10:09 AM
Location	
Latitude	42.725355
Longitude	-76.517294
Investigator(s)	RN JP
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream is located at the bottom of a ravine located between agriculture fields. Rain within 48 hours prior to survey.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream runs through a steep ravine bordered by agriculture fields. Pockets of emergent wetlands occur along stream. Receives water from agriculture tile discharge. Water present in stream channel at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	Present
Undercut Bank Indicator Location	x
Valley Bottom	Present
Valley Bottom Indicator Location	a
Other break in slope description	
Shelving	Present
Shelving Indicator Location	a
Shelf at top of bank	

Natural Levee	
Man-made Berms or Levees	
Other Berms Description	
Channel bar	Present
Channel Bar Indicator Location	b
Shelving (berms) on bar	
Unvegetated	
Vegetation transition (go to veg. indicators)	
Sediment transition (go to sed. indicators)	
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	b
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	Present
Deposition Bedload Indicator Location	b
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Cobble/gravel to silt/loam
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present

Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	woody shrubs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	Present
Exposed Roots Indicator Location	a

Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	Present
Presence of Large Wood Indicator Location	x
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No

Step 4: Additional Information	
Is additional information needed to support this determination?	No

Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope, changes in particle-sized distribution from gravel/cobble to silt/loam, and change in vegetation type and/or density from vegetation absent to woody shrubs were the strongest and most reliable indicators used to define the OHWM. Additionally, other indicators were observed intermittently and were used to support the determination of the OHWM when present.
Additional observations or notes	

Photos	
Photo log attached?	Yes
Photos	



21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	379646
Survey Date	08/18/2023
User	Rachel Nazak

General Information	
Project ID #	23-ST022
Site Name	21029 Agricola Wind
Date	08/18/2023
Time	10:07 AM
Location	
Latitude	42.7254926
Longitude	-76.5168554
Investigator(s)	RN JP

Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LiDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream is located at the bottom of a ravine located between agriculture fields. Rain within 48 hours prior to survey.

Step 2: Site conditions during field assessment	
Describe Site Condition	Stream is old channel of main stream. Receives water from adjacent wetlands and from stream 23-ST023, which receives water from agricultural drainage tile discharge. Water present in stream channel at time of survey.

Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	a
Shelf at top of bank	
Natural Levee	
Man-made Berms or Levees	
Other Berms Description	

Channel bar

Instream bedforms and other bedload transport evidence

Secondary channels

Sediment Indicators

Soil development

Changes in character of soil

Mudcracks

Changes in particle-sized distribution

Present

Changes in particle-sized distribution Indicator Location

x

transition from

Gravel/cobble to silt/clay

Upper limit of sand-sized particles

Silt deposits

Vegetation Indicators

Change in vegetation type and/or density

Present

Vegetation Indicator Location

x

Vegetation Change From

vegetation absent

Vegetation Change To

forbs

Vegetation matted down and/or bent:

Exposed roots below intact soil layer:

Present

Exposed Roots Indicator Location

x

Ancillary Indicators

Wracking/presence of organic litter

Present

Wracking Indicator Location

a

Presence of large wood

Leaf litter disturbed or washed away

Present

Leaf Litter Indicator Location

x

Water staining

Weathered clasts or bedrock

Other observed indicators?

No

Step 4: Additional Information

Is additional information

No

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1

Project

21029 Agricola Wind Project

ID

379648

Survey Date

08/18/2023

User

Rachel Nazak

General Information

Project ID #

23-ST023

Site Name

21029 Agricola Wind

Date

08/18/2023

Time

10:03 AM

Location

Latitude

42.72600383

Longitude

-76.51614733

Datum

NAD83/2011

Investigator(s)

RN JP

Step 1: Site overview from remote and online resources

Check boxes for online resources used to evaluate site

LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps

Other

Natural Resource Mapper

Describe land use and flow conditions from online resources.

Stream is located on the northern slope of a ravine located between agriculture fields. Rain within 48 hours prior to survey.

Step 2: Site conditions during field assessment

Describe Site Condition

Stream originates at agricultural drainage tile discharge. Water present in stream channel at time of survey.

Step 3 Indicators

Geomorphic Indicators

Break in slope

Present

Break in Slope Indicator Location

x

On the bank

Undercut Bank

Valley Bottom

Other break in slope description

Shelving

Channel bar

Instream bedforms and other bedload transport evidence

Secondary channels

needed to support this determination?

Step 5: Rationale

Describe rationale for location of OHWM

Break in slope, changes in particle-sized distribution from gravel/cobble to silt/loam, and change in vegetation type and/or density from vegetation absent to forbs were the strongest and most reliable indicators used to define the OHWM. Additionally, other indicators were observed intermittently and were used to support the determination of the OHWM when present.

Additional observations or notes

Photos

Photo log attached?

Yes

Photos



Wracking of organic material present.



Downstream photograph with particle-size distribution, vegetation transition, and break in slope present.



Exposed roots with shelving occurring above the OHWM.

Sediment Indicators

Soil development

Changes in character of soil

Mudcracks

Changes in particle-sized distribution

Present

Changes in particle-sized distribution Indicator Location

x

transition from

Gravel/cobble to silt/clay

Upper limit of sand-sized particles

Silt deposits

Vegetation Indicators

Change in vegetation type and/or density

Present

Vegetation Indicator Location

x

Vegetation Change From

vegetation absent

Vegetation Change To

forbs

Vegetation matted down and/or bent:

Exposed roots below intact soil layer:

Ancillary Indicators

Wracking/presence of organic litter

Presence of large wood

Leaf litter disturbed or washed away

Present

Leaf Litter Indicator Location

x

Water staining

Weathered clasts or bedrock

Other observed indicators?

No

Step 4: Additional Information

Is additional information needed to support this determination?

No

Step 5: Rationale

Describe rationale for location of OHWM

Break in slope, changes in particle-sized distribution from gravel/cobble to silt/clay, and change in vegetation type and/or density from vegetation absent to forbs were the strongest and most reliable indicators used to define the OHWM. Additionally, other indicators were observed intermittently and were used to support the determination of the OHWM when present.

Additional observations or notes

Photos	
Photo log attached?	Yes
Photos	



Agricultural drainage tile discharges into stream.



Break in slope and transition in vegetation facing downstream.



Vegetation transition facing upstream, with stream substrate visible.

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	a
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	Present
Matted/Bent Vegetation Indicator Location	x
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No

Step 4: Additional Information	
Is additional information needed to support this determination?	No

Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope and change in vegetation type and/or density from vegetation absent to forbs were the strongest and most reliable indicators used to define the OHWM. Additionally, vegetation matted down and/or bent occurred intermittently and was used to support the other OHWM indicators where present.

Additional observations or notes

Photos	
Photo log attached?	Yes
Photos	

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1

Project	21029 Agricola Wind Project
ID	379840
Survey Date	08/18/2023
User	Rachel Nazak
General Information	
Project ID #	23-ST024
Site Name	21029 Agricola Wind
Date	08/18/2023
Time	12:26 PM
Location	
Latitude	42.72548467
Longitude	-76.519386
Datum	NAD83/2011
Investigator(s)	RN JP

Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream flows between road and agriculture fields. Rain within 48 hours prior to survey.

Step 2: Site conditions during field assessment	
Describe Site Condition	Stream is a roadside drainage ditch that receives water from agricultural drainage tile discharge. Mowed vegetation along banks of stream. Water present in stream channel at time of survey

Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	



Upstream photo with break in slope and vegetation transition present.



Downstream photo with break in slope present.



Ag tile discharge into stream, with vegetation transition and break in slope present.

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1

Project	21029 Agricola Wind Project
ID	380169
Survey Date	08/21/2023
User	Rachael Foote
General Information	
Project ID #	23-ST025
Site Name	21029 Agricola Wind
Date	08/21/2023
Time	11:16 AM
Location	
Latitude	42.72634683
Longitude	-76.54335333
Datum	NAD83/2011
Investigator(s)	RF RN
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream occurs between patch of forest and road. No rain within 48 hours prior to survey.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream is a roadside ditch. Vegetation mowed along road side of stream. Some cobble appears to have been placed in/along stream for stabilization. Water present in stream channel at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	x
Shelf at top of bank	
Natural Levee	
Man-made Berms or Levees	

Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	Present
Water Staining Indicator Location	x
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope, changes in particle-sized distribution from gravel/cobble/bedrock to gavel/ silt, and change in vegetation type and/or density from vegetation absent to forbs (all occurring at the OHWM) were the strongest and most reliable indicators used to define the OHWM. Additionally, other indicators were observed intermittently and were used to support the determination of the OHWM when present.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Break in slope present, with stream substrate.



Upstream photograph, with break in slope and vegetation transition present.

Other Berms Description	
Channel bar	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	x
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	Present
Erosional Bedload Indicator Location	x
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	gravel/cobble/bedrock to gravel/silt
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	
Presence of large wood	



Stream substrate photo.



Break in slope present, facing upstream

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	380173
Survey Date	08/21/2023
User	Rachael Foote
General Information	
Project ID #	23-ST026
Site Name	21029 Agricola Wind
Date	08/21/2023
Time	01:42 PM
Location	
Latitude	42.73442933
Longitude	-76.542593
Datum	NAD83/2011
Investigator(s)	RN RF
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream is located in forest that is NWI mapped as PFO1E. No rain within 48 hours of survey.
Step 2: Site conditions during field assessment	
Describe Site Condition	Surrounding land is deciduous upland forest. Stream likely receives water from overland sheet flow or agricultural drainage tile from agricultural field beyond study area to the east. No water in stream channel at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	



Wracking present, with stream substrate.



Additional wracking of organic material.



Upstream with transition from absent vegetation to forbs.

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope and change in vegetation type and/or density from vegetation absent to forbs were the strongest and most reliable indicators used to define the location of the OHWM. Additionally, wracking/presence of organic litter and leaf litter disturbed or washed away, occurred intermittently and were used to support the determination of the OHWM where present.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	380174
Survey Date	08/21/2023
User	Rachael Foote
General Information	
Project ID #	23-ST027
Site Name	21029 Agricola Wind
Date	08/21/2023
Time	02:03 PM
Location	
Latitude	42.73474033
Longitude	-76.54232683
Datum	NAD83/2011
Investigator(s)	RF RN
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream is located in forest that is NWI mapped as PFO1E. No rain within 48 hours of survey.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream beings where forested wetland channelizes. Flows WSW through deciduous upland forest. Water present in stream channel at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope and change in vegetation type and/or density from vegetation absent to forbs were the strongest and most reliable indicators used to define the location of the OHWM. Additionally, wracking/presence of organic litter and leaf litter disturbed or washed away occurred intermittently and were used to support the other OHWM indicators where present.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Downstream photo with break in slope present.



Stream substrate with some wracking of organic material present.



Upstream photograph with break in slope present and transition from absent vegetation to forbs.

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	380177
Survey Date	08/21/2023
User	Rachael Foote
General Information	
Project ID #	23-ST028
Site Name	21029 Agricola Wind
Date	08/21/2023
Time	03:23 PM
Location	
Latitude	42.73583217
Longitude	-76.54233067
Datum	NAD83/2011
Investigator(s)	RF RN
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Stream begins along edge of agriculture field and flows through forest. Stream is a NYSDEC mapped class C stream and NWI mapped freshwater pond/riverine feature. No rain within 48 hours prior to survey. This stream is an unnamed tributary to Big Salmon Creek.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream mainly flows through forested area and is bordered by emergent wetlands. At northeast corner of mapped reach the stream flows along the edge of an agriculture field. Water present in stream channel at time of survey.
Step 3 Indicators	
Geomorphoc Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	Present
Valley Bottom Indicator Location	x
Other break in slope description	
Shelving	Present
Shelving Indicator Location	x
Shelf at top of bank	

Natural Levee	
Man-made Berms or Levees	
Other Berms Description	
Channel bar	Present
Channel Bar Indicator Location	a
Shelving (berms) on bar	Present
Shelving on bar Indicator Location	a
Unvegetated	
Vegetation transition (go to veg. indicators)	
Sediment transition (go to sed. indicators)	
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	x
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	Present
Deposition Bedload Indicator Location	x
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	Present
Erosional Bedload Indicator Location	x
Secondary channels	Present
Secondary Channels Indicator Location	x
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	gravel/cobble/bedrock to clay/silt/gravel
Upper limit of sand-sized	

particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	Present
Water Staining Indicator Location	x
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	The primary and most reliable indicators for defining the OHWM included a break in slope and changes in particle-sized distribution from gravel/cobble/bedrock to clay/silt/gravel, both occurring at the OHWM. Furthermore, valley bottom, shelving, other bedload transport evidence, deposition bedload indicators, erosional bedload indicators , secondary channels, the presence of wracking/organic litter, leaf litter disturbed or washed away, and water staining were observed intermittently, all occurring at the OHWM. These indicators were utilized to support the location of the OHWM where applicable.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Downstream photo, with break in slope, particle-size distribution, and depositional bedload indicators present.



Stream substrate photograph with particle-sized distribution and vegetation transition present.



Upstream photograph with secondary channel, break in slope, and vegetation transition present.

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	402275
Survey Date	11/01/2023
User	Rachel Nazak
General Information	
Project ID #	33-ST001
Site Name	21029 Agricola Wind
Date	11/01/2023
Time	10:17 AM
Location	
Latitude	42.74610267
Longitude	-76.54434017
Datum	NAD83/2011
Investigator(s)	BAJP
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Natural Resource Mapper
Describe land use and flow conditions from online resources.	Rain in 48 hours prior to survey. The surrounding land use is mainly agricultural and forested.
Step 2: Site conditions during field assessment	
Describe Site Condition	Snow at time of survey. Base flow present. Stream begins at edge of agricultural field and flows though deciduous upland forest. This stream discharges water from agricultural drainage tile, beginning at flag 1.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Silt/clay/gravel/cobble to silt/clay
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	deciduous trees
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	
Leaf litter disturbed or washed away	
Water staining	Present
Water Staining Indicator Location	x
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	Break in slope, changes in particle-sized distribution from silt/clay/gravel/cobble to silt/clay, and change in vegetation type an density from vegetation absent to deciduous trees were the strongest and most reliable indicators used to define the OHWM. Additionally,

wracking/presence of organic litter and water staining occurred intermittently and were also used to support the location of the OHWM where present.

Additional observations or notes

Photos

Photo log attached? Yes

Photos



Downstream, wracking, water staining



Upstream, break in slope, change in vegetation

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1

Project 21029 Agricola Wind Project
ID 437105
Survey Date 04/15/2024
User Rachel Nazak

General Information

Project ID # 23-ST029
Site Name 21029 Agricola Wind
Date 04/15/2024
Time 01:42 PM
Location
Latitude 42.73831833
Longitude -76.49574733
Datum NAD83/2011
Investigator(s) RN AT

Step 1: Site overview from remote and online resources

Check boxes for online resources used to evaluate site LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other Environmental resource mapper
Describe land use and flow conditions from online resources. Surrounding land use is successional field and scrub-shrub. No evidence of channel on online resources.

Step 2: Site conditions during field assessment

Describe Site Condition Rain within 24 hours. Intermittent stream flows east into study area and diffuses into scrub shrub wetland. Substrate consists of cobble, gravel, sand, silt/clay. Water depth of 2".

Step 3 Indicators

Geomorphic Indicators

Break in slope Present
Break in Slope Indicator x
Location
On the bank
Undercut Bank
Valley Bottom
Other break in slope description
Shelving
Channel bar
Instream bedforms and other bedload transport evidence
Secondary channels

EDR

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EDR

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Sediment Indicators

Soil development
Changes in character of soil
Mudcracks
Changes in particle-sized distribution

Vegetation Indicators

Change in vegetation type and/or density Present
Vegetation Indicator x
Location
Vegetation Change From forbs
Vegetation Change To woody shrubs
Vegetation matted down and/or bent:
Exposed roots below intact soil layer:

Ancillary Indicators

Wracking/presence of organic litter
Presence of large wood
Leaf litter disturbed or washed away
Water staining
Weathered clasts or bedrock
Other observed indicators? No

Step 4: Additional Information

Is additional information needed to support this determination? No

Step 5: Rationale

Describe rationale for location of OHWM The OHWM was defined by break in slope and change in vegetation, which both persisted for the entire mapped reach of the stream.

Additional observations or notes

Photos

Photo log attached? Yes

Photos



Break in slope, change in vegetation



EDR

made with Wildnote

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EDR

made with Wildnote

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21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1

Project	21029 Agricola Wind Project
ID	439639
Survey Date	04/22/2024
User	Josh Bean
General Information	
Project ID #	66-ST001
Site Name	21029 Agricola Wind
Date	04/22/2024
Time	12:13 PM
Location	
Latitude	42.749093
Longitude	-76.543394
Investigator(s)	JB
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	Surrounding land use is forest and agricultural. Topographic mapping indicated a potential stream was at this location.
Step 2: Site conditions during field assessment	
Describe Site Condition	The stream's source of hydrology comes from an agriculture drain tile outlet. FAC & FACW plants growing sporadically throughout stream channel. flows WSW into perennial stream beyond study area.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	a
Shelf at top of bank	Present
Shelf at top of bank Indicator Location	a

Water staining	Present
Water Staining Indicator Location	x
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	OHWM is primarily defined by the break in slope and a transition in vegetation. Water staining and disturbed leaf litter correspond with these indicators.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Leaf litter washed away



Break in slope on the bank. Drain tile outlet.

Natural Levee	
Man-made Berms or Levees	
Other Berms Description	
Channel bar	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	b
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	Present
Deposition Bedload Indicator Location	b
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	graminoids
Vegetation Change To	forbs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x



Transition in vegetation, water staining

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1

Project	21029 Agricola Wind Project
ID	439391
Survey Date	04/22/2024
User	Josh Bean
General Information	
Project ID #	66-ST002
Site Name	21029 Agricola Wind
Date	04/22/2024
Time	12:44 PM
Location	
Latitude	42.750307
Longitude	-76.54377433
Datum	NAD83/2011
Investigator(s)	JB
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmetal resource mapper
Describe land use and flow conditions from online resources.	Surrounding land use is forest and agricultural. Topographic mapping indicated a potential stream was at this location.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream's hydrology is sourced from agriculture drain tile outlet. Flows west into a perennial stream outside of the study area. Intermittent flow regime. FACW plants dominate stream channel.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	a
Shelf at top of bank	Present
Shelf at top of bank Indicator	a

Step 5: Rationale	
Describe rationale for location of OHWM	OHWM is defined by the break in slope, disturbed leaf litter, and water staining. These indicators were persistent throughout the delineated reach of stream.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Break in slope on the bank. Downstream.



Water staining. Disturbed leaf litter.



Upstream

Location	
Natural Levee	
Man-made Berms or Levees	
Other Berms Description	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	forbs
Vegetation Change To	deciduous trees
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	b
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	Present
Water Staining Indicator Location	a
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1

Project	21029 Agricola Wind Project
ID	439640
Survey Date	04/22/2024
User	Josh Bean
General Information	
Project ID #	66-ST003
Site Name	21029 Agricola Wind
Date	04/22/2024
Time	01:02 PM
Location	
Latitude	42.751667
Longitude	-76.543644
Investigator(s)	JB RF AT
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	Surrounding land use is forest and agricultural. Topographic mapping indicated a potential stream was at this location.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream banks and channel are maintained and have been excavated. Man made berms at top of banks. Stream begins at agriculture drain tile outlet. Water depth of 6".
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	a
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator	x

Location	
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	Present
Deposition Bedload Indicator Location	b
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	Present
Erosional Bedload Indicator Location	x
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	a
Vegetation Change From	vegetation absent
Vegetation Change To	deciduous trees
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	b
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	Present
Water Staining Indicator Location	x
Weathered clasts or bedrock	
Other observed indicators?	No

Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	OHWM is defined by erosional bedload indicators, break in slope on the bank, water staining, and disturbed leaf litter. These indicators were persistent throughout the delineated reach of stream.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Excavated stream banks



Break in slope on the bank. Leaf litter disturbed. Water staining



Erosional bedload indicator.

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	439641
Survey Date	04/22/2024
User	Josh Bean
General Information	
Project ID #	66-ST004
Site Name	21029 Agricola Wind
Date	04/22/2024
Time	02:06 PM
Location	
Latitude	42.7251725
Longitude	-76.5469865
Investigator(s)	JB RF AT
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	Surrounding land use is agricultural. Satellite imagery indicated a potential stream at this location.
Step 2: Site conditions during field assessment	
Describe Site Condition	Strong baseflow at the time of survey. Perennial flow regime. No man made of artificial impediments are affecting flow. Water depth of 6-12".
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	Present
Undercut Bank Indicator Location	x
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	a
Shelf at top of bank	Present
Shelf at top of bank Indicator	a

Location	
Natural Levee	
Man-made Berms or Levees	
Other Berms Description	
Channel bar	Present
Channel Bar Indicator Location	x
Shelving (berms) on bar	
Unvegetated	
Vegetation transition (go to veg. indicators)	
Sediment transition (go to sed. indicators)	
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	x
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	Present
Deposition Bedload Indicator Location	b
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	Present
Erosional Bedload Indicator Location	x
Secondary channels	
Sediment Indicators	
Soil development	Present
Soil Development Indicator Location	x
Changes in character of soil	Present
Changes in character of soil Indicator Location	x
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present

Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	woody shrubs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	b
Presence of large wood	Present
Presence of Large Wood Indicator Location	b
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	OHWM is defined by the break in slope, exposed roots, and change in soil characteristics. Soil transitions from sand and gravel to clay loam at the break in slope on the bank. These indicators were prevalent throughout much of the delineated stream. Bedload indicators, undercut banks, and channel bars were found sporadically throughout the stream.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Undercut banks, break in slope on the bank, and exposed roots.



channel bar



Changes in character of the soil. Erosional bedload.

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	440707
Survey Date	04/23/2024
User	Rachael Foote
General Information	
Project ID #	12-ST008
Site Name	21029 Agricola Wind
Date	04/23/2024
Time	02:28 PM
Location	
Latitude	42.75347833
Longitude	-76.532149
Datum	NAD83/2011
Investigator(s)	RF JK
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	Surrounding land use is roadside and agricultural. Stream appears on topographic mapping.
Step 2: Site conditions during field assessment	
Describe Site Condition	No rain in the last 24 hours. Stream flows south, draining NWI mapped wetland. Tile drainage adds flows to stream from adjacent agricultural field. Water depth of 5 inches at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	graminoids
Vegetation matted down and/or bent:	Present
Matted/Bent Vegetation Indicator Location	x
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	OHWM determined by a break in slope, change in vegetation from absent to graminoids, matted and bent vegetation, and leaf litter washed away.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	




Upstream, break in slope

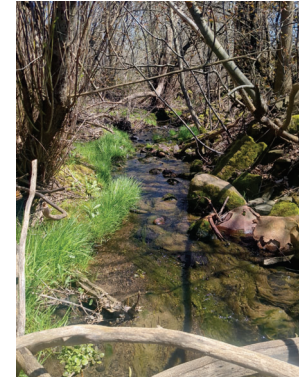


Leaf litter washed away

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	440173
Survey Date	04/23/2024
User	Josh Bean
General Information	
Project ID #	66-ST005
Site Name	21029 Agricola Wind
Date	04/23/2024
Time	12:28 PM
Location	
Latitude	42.756909
Longitude	-76.505298
Investigator(s)	JB AT
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	Surrounding land use is shrubland, road, and agricultural field. Topographic mapping indicated a stream was potentially present at this location.
Step 2: Site conditions during field assessment	
Describe Site Condition	Stream begins at outlet of wetland complex and flows northeast. Stream is diverter through culvert under road. Water depth of 2".
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	Present
On the bank Indicator Location	x
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	Present
Shelving Indicator Location	a
Shelf at top of bank	Present
Shelf at top of bank Indicator Location	x
Natural Levee	

Man-made Berms or Levees	
Other Berms Description	
Channel bar	
Instream bedforms and other bedload transport evidence	Present
Instream bedforms Indicator Location	b
Deposition bedload indicators (e.g., poofs, riffles, steps, etc.)	Present
Deposition Bedload Indicator Location	b
Bedforms (e.g., imbricated clasts, gravel sheets, etc.)	
Erosional bedload indicators (e.g., obstacle marks, scour, smoothing, etc.)	Present
Erosional Bedload Indicator Location	b
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	Present
Changes in particle-sized distribution Indicator Location	x
transition from	Gravel to silt loam
Upper limit of sand-sized particles	
Silt deposits	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	woody shrubs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	

Wracking/presence of organic litter	Present
Wracking Indicator Location	b
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	OHWM is defined by the break in slope on the bank, changes in character of the soil, and a transition in vegetation. Stream bed is unvegetated and transitions to woody shrubs at the shelf at the top of bank.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Transition in vegetation, break in slope on the Bank



Changes in character of the soil.

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	444945
Survey Date	05/06/2024
User	Rachael Foote
General Information	
Project ID #	12-ST009
Site Name	21029 Agricola Wind
Date	05/06/2024
Time	02:26 PM
Location	
Latitude	42.754213
Longitude	-76.51001833
Datum	NAD83/2011
Investigator(s)	RF AT
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	Surrounding land use is forested and agricultural. Topographic mapping indicated a potential stream at this location.
Step 2: Site conditions during field assessment	
Describe Site Condition	Intermittent stream drains wetland and flows east through forested hedgerow. No rain in last 24 hours. Substrate consists of cobble, gravel, sand, silt, and clay. Water depth of 1 inch at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	



Culvert outlet.

Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	woody shrubs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x
Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	The indicators use to determine the OHWM were break in slope, change in vegetation, and leaf litter washed away.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Break in slope, change in vegetation



Wracking, leaf litter disturbed/washed away

Sediment Indicators		
Soil development		
Changes in character of soil		
Mudcracks		
Changes in particle-sized distribution		
Vegetation Indicators		
Change in vegetation type and/or density	Present	
Vegetation Indicator Location	x	
Vegetation Change From	vegetation absent	
Vegetation Change To	woody shrubs	
Vegetation matted down and/or bent:		
Exposed roots below intact soil layer:		
Ancillary Indicators		
Wracking/presence of organic litter		
Presence of large wood		
Leaf litter disturbed or washed away	Present	
Leaf Litter Indicator Location	x	
Water staining		
Weathered clasts or bedrock		
Other observed indicators?		No
Step 4: Additional Information		
Is additional information needed to support this determination?		No
Step 5: Rationale		
Describe rationale for location of OHWM		The indicators use to determine the OHWM were break in slope, change in vegetation, and leaf litter washed away.
Additional observations or notes		
Photos		
Photo log attached?	Yes	
Photos		

21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1	
Project	21029 Agricola Wind Project
ID	444946
Survey Date	05/06/2024
User	Rachael Foote
General Information	
Project ID #	12-ST010
Site Name	21029 Agricola Wind
Date	05/06/2024
Time	02:33 PM
Location	
Latitude	42.75433183
Longitude	-76.510038
Datum	NAD83/2011
Investigator(s)	RF AT
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	Surrounding land use is forested and agricultural. Topographic mapping indicated a potential stream at this location.
Step 2: Site conditions during field assessment	
Describe Site Condition	Intermittent stream starting from tile drainage flows east through forested hedgerow. No rain within 24 hours. Substrate consists of cobble, gravel, sand, silt, and clay. Water depth of 2 inches at time of survey.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	
Shelving	
Channel bar	
Instream bedforms and other bedload transport evidence	
Secondary channels	



Break in slope, change in vegetation, leaf litter washed away.



21029 Agricola Wind- Rapid Ordinary High Water Mark (OHWM) - OHWM Form 1.1

Project	21029 Agricola Wind Project
ID	475727
Survey Date	08/15/2024
User	Abby Thomas
General Information	
Project ID #	99-ST001
Site Name	21029 Agricola Wind
Date	08/15/2024
Time	12:36 PM
Location	
Latitude	42.77665383333333
Longitude	-76.52638183333333
Datum	NAD83/2011
Investigator(s)	AT AB
Step 1: Site overview from remote and online resources	
Check boxes for online resources used to evaluate site	LIDAR, climatic data, geologic maps, land use maps, other, satellite imagery, topographic maps
Other	Environmental resource mapper
Describe land use and flow conditions from online resources.	Surrounding land use is agricultural fields. Topographic mapping and satellite imagery indicated a stream was potentially present at this location. Land use maps, geologic maps, satellite imagery, LIDAR, and topographic maps used to determine approximate location of stream within study area. Environmental resource mapper was used to determine stream class as well as assumed stream order based on relationships with mapped NYSDEC stream and NWI riverine areas. Climate data used to determine flow regime in relation to storm events.
Step 2: Site conditions during field assessment	
Describe Site Condition	Intermittent stream drains emergent wetland and flows northeast through ditch between active agriculture fields. Substrate consists of boulder, cobble, gravel, sand, silt, clay.
Step 3 Indicators	
Geomorphic Indicators	
Break in slope	Present
Break in Slope Indicator Location	x
On the bank	
Undercut Bank	
Valley Bottom	
Other break in slope description	

Water staining	
Weathered clasts or bedrock	
Other observed indicators?	No
Step 4: Additional Information	
Is additional information needed to support this determination?	No
Step 5: Rationale	
Describe rationale for location of OHWM	OHWM is defined by the break in slope and a transition in vegetation. Stream bed is unvegetated and transitions to woody shrubs. Channel bar, exposed roots, wracking, and disturbed leaf litter observed within OHWM.
Additional observations or notes	
Photos	
Photo log attached?	Yes
Photos	



Break in slope, change in veg



Channel bar, leaf litter washed away



Wracking, large wood



Exposed roots below intact soil layer

Shelving	
Channel bar	Present
Channel Bar Indicator Location	x
Shelving (berms) on bar	
Unvegetated	
Vegetation transition (go to veg. indicators)	
Sediment transition (go to sed. indicators)	
Upper limit of deposition on bar:	
Instream bedforms and other bedload transport evidence	
Secondary channels	
Sediment Indicators	
Soil development	
Changes in character of soil	
Mudcracks	
Changes in particle-sized distribution	
Vegetation Indicators	
Change in vegetation type and/or density	Present
Vegetation Indicator Location	x
Vegetation Change From	vegetation absent
Vegetation Change To	woody shrubs
Vegetation matted down and/or bent:	
Exposed roots below intact soil layer:	Present
Exposed Roots Indicator Location	x
Ancillary Indicators	
Wracking/presence of organic litter	Present
Wracking Indicator Location	x
Presence of large wood	Present
Presence of Large Wood Indicator Location	x
Leaf litter disturbed or washed away	Present
Leaf Litter Indicator Location	x

Appendix C

Photo Documentation



Photo 1

Representative palustrine emergent (PEM) wetland community.



Photo 2

Representative palustrine emergent (PEM) wetland community.

Agricola Wind Project

Towns of Scipio and Venice, Cayuga County, New York

Wetland and Stream Delineation Report



Photo 3

Representative palustrine forested (PFO) wetland community.



Photo 4

Representative palustrine forested (PFO) wetland community.

Agricola Wind Project

Towns of Scipio and Venice, Cayuga County, New York

Wetland and Stream Delineation Report



Photo 5

Representative palustrine scrub-shrub (PSS) wetland community.



Photo 6

Representative palustrine scrub-shrub (PSS) wetland community.

Agricola Wind Project

Towns of Scipio and Venice, Cayuga County, New York

Wetland and Stream Delineation Report



Photo 7

Representative palustrine open water (POW) wetland community.



Photo 8

Representative palustrine open water (POW) wetland community.

Agricola Wind Project

Towns of Scipio and Venice, Cayuga County, New York

Wetland and Stream Delineation Report



Photo 9

Representative intermittent stream (R4).



Photo 10

Representative intermittent stream (R4).

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Towns of Scipio and Venice, Cayuga County, New York

Wetland and Stream Delineation Report



Photo 11
Representative intermittent stream (R4).



Photo 12
Representative perennial stream (R3).

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Towns of Scipio and Venice, Cayuga County, New York

Wetland and Stream Delineation Report



Photo 13

Representative perennial stream (R3).



Photo 14

Representative ephemeral stream (R6).

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Towns of Scipio and Venice, Cayuga County, New York

Wetland and Stream Delineation Report



Photo 15
Representative ephemeral
stream (R6).



Photo 16
Representative upland
agricultural community.

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Towns of Scipio and Venice, Cayuga County, New York

Wetland and Stream Delineation Report



Photo 17
Representative upland scrub-shrub community.



Photo 18
Representative upland forest community.

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Towns of Scipio and Venice, Cayuga County, New York

Wetland and Stream Delineation Report