

Appendix C: Existing Conditions Field Survey

June 30, 2022

PREPARED FOR:

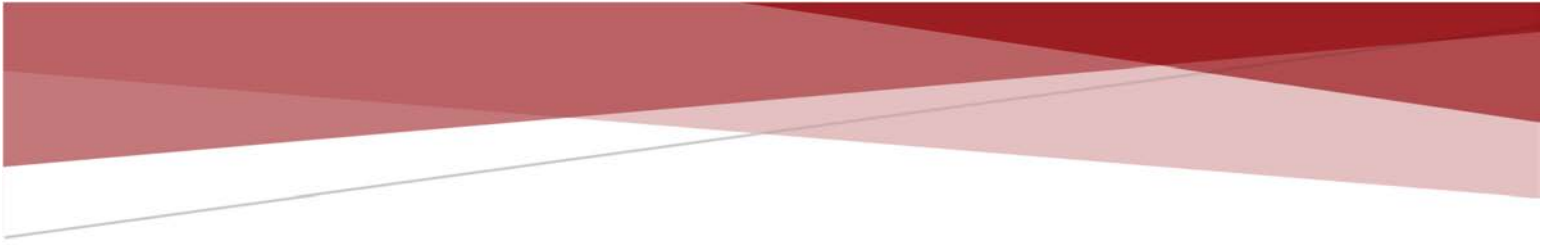


PREPARED BY:



K Engineering and
Land Surveying, P.C.

 Responsive Translation



PUTNAM COUNTY RAIL LINK

Field Study of Areas of Potential Environmental Significance

Summary

This document identifies and collects data of areas of potential environmental significance at the existing Putnam Rail railroad from Brewster, NY to Danbury, CT. All the data collected was done online through the New York State Department of Environmental Conservation (NYSDEC) and Connecticut Department of Energy and Environmental Protection (CT DEEP) and its other additional resources. The data is showcased.

Table of Contents

Cover Page.....	1
Table of Contents.....	2 - 3
Overall Map.....	4
Project Limits – New York	
Location #1.....	5 - 14
Location #2.....	15 - 31
Location #3/#5.....	32 - 42
Location #4.....	43 - 61
Location #5.....	32 - 42
Location #6.....	62 - 71
Location #7.....	72 - 83
Location #8.....	84 - 94
Location #9.....	95 - 110
Location #10.....	111 - 132
Location #11.....	133 - 156
Location #12/#14.....	157 - 171
Location #13.....	172 - 191
Location #15.....	192 - 205
Location #16.....	206 - 219
Location #17.....	220 - 231
Location #18.....	232 - 241
Location #19.....	242 - 251
Location #20.....	252 - 262
Location #21.....	263 – 275
Location #22.....	276 - 294

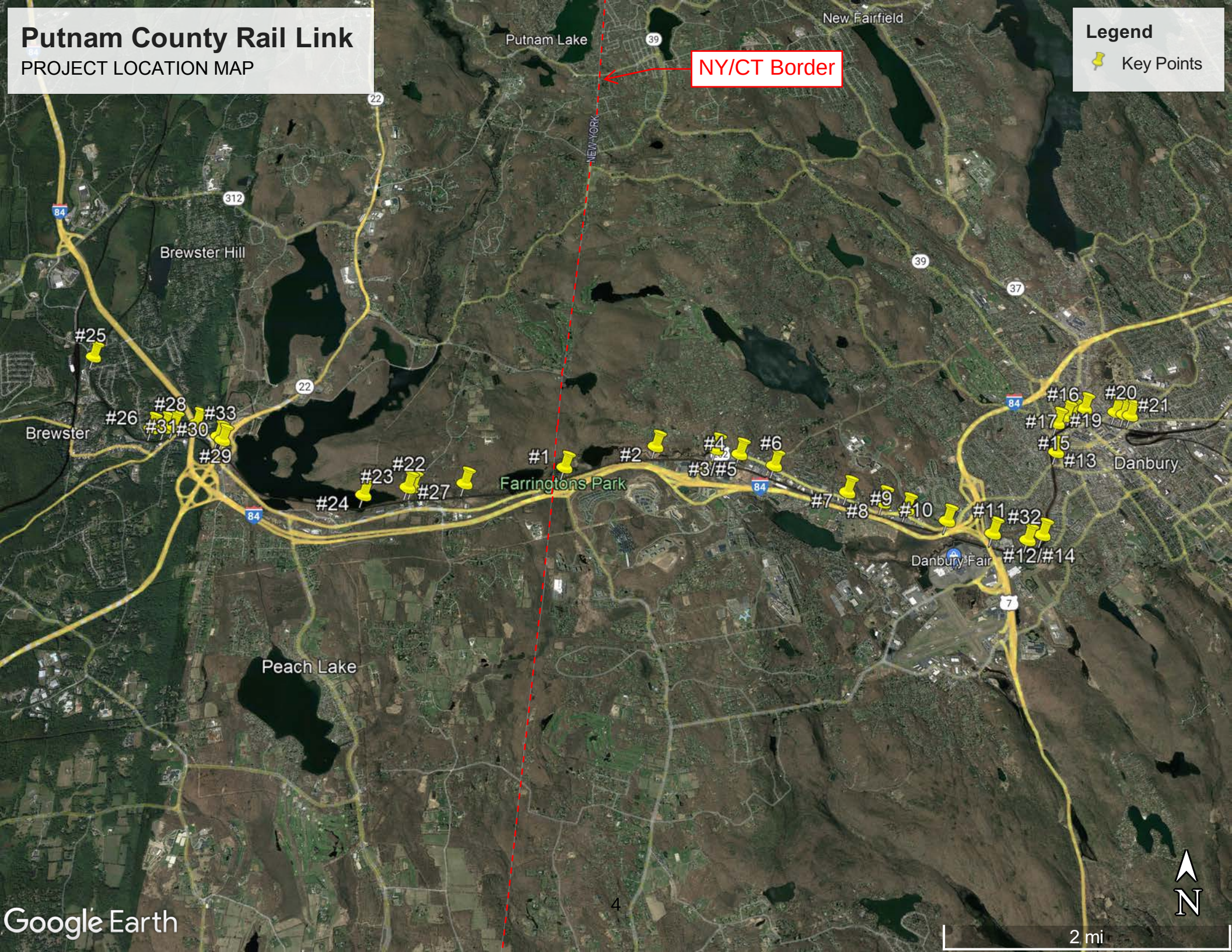
Location #23.....	295 - 306
Location #24.....	307 - 325
Location #25.....	326 - 338
Location #26.....	339 - 353
Location #27.....	354 - 370
Location #28.....	371 - 383
Location #29.....	384 - 397
Location #30.....	398 - 411
Location #31.....	412 - 424
Location #32.....	425 - 438
Location #33.....	439 - 451

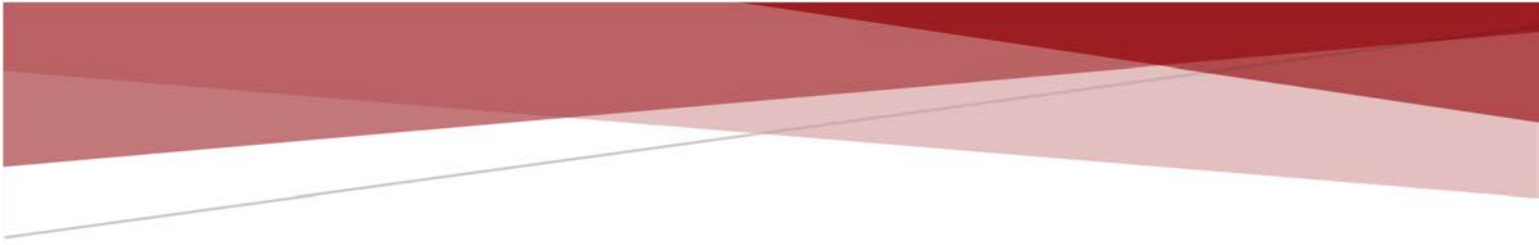
Putnam County Rail Link

PROJECT LOCATION MAP

Legend

 Key Points





LOCATION SITE #1

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 30, 2021

Structure Information

<i>BIN:</i> NA <i>Feature Crossed:</i> Housatonic RR <i>Feature Carried:</i> Private Road <i>Bridge Mile:</i> Unknown <i>Skew (°):</i> ~ 42.89 <i>Type of Bridge Structure:</i> I-Beam <i>Type of Deck:</i> Concrete Slab <i>Number of Spans:</i> 1 <i>Length of Span(ft):</i> ~43 <i>Center-Center Beam Width (ft):</i> 18.50 <i>Width Girder (ft):</i> 1.50 <i>Out-To-Out Width (ft.):</i> 20.00	<i>Site:</i> 1 <i>County:</i> Fairfield <i>City:</i> Danbury <i>Approximate Year Built:</i> Unknown <i>Primary Owner:</i> Housatonic <i>Maintenance Responsibility:</i> Housatonic (Framework & Abutments) <i>Maintenance Responsibility:</i> Housatonic (Roadway & Approaches)
--	--

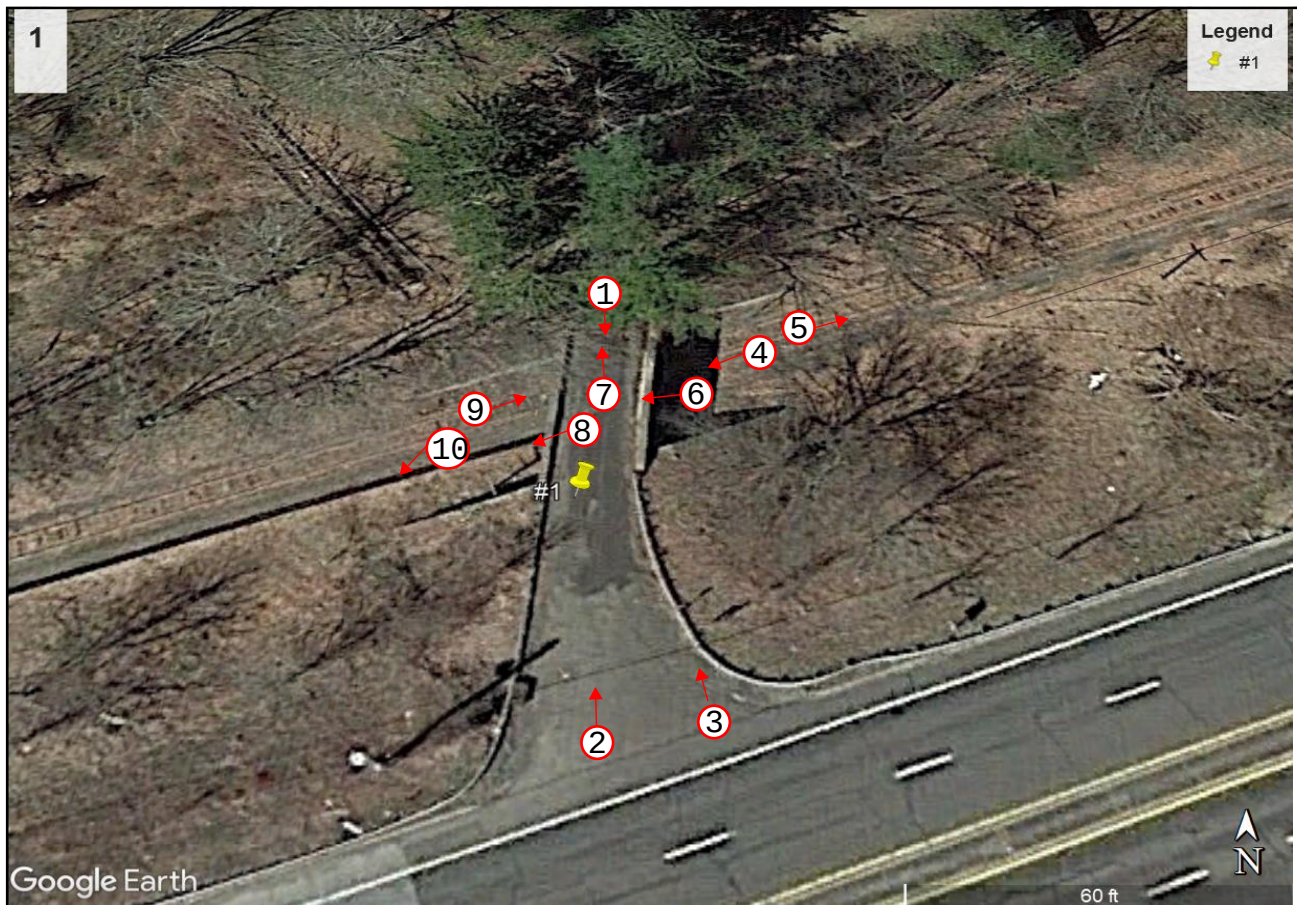
Railroad Information

Railroad Line: Housatonic RR
Number of Tracks: 1
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
Clear Dist. To North of Track (ft.): ~20

Notable Features

Utilities carried on bridge: None
Utilities parallel to the bridge: None
Vertical Clearance less than legal minimum (ft): NA
Bike Lane: Currently being constructed along South abutment going W-E
Vegetation: Heavy
Max Load: 9 tons
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - Off Route 202/US-6 Danbury, CT, 06810
Inspectors: RR, BL	



- Max load allowed: 9 tons
- Abutments show signs of cracks
- Concrete deck show some spalling
- I-beams show moderate corrosion

BIN: 7345730 Feasibility Report
Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

North of the bridge from on top
looking south towards the bridge



Photo Number: 2

Photo Filename: 2

Attachment Description:

South of the bridge from on top
looking north towards the
bridge



Photo Number: 3

Photo Filename: 3

Attachment Description:

South of bridge from on top
looking north towards the bridge
sign



Photo Number: 4

Photo Filename: 4

Attachment Description:

East of the bridge along the
train tracks looking west along
the train tracks under the bridge



Photo Number: 5

Photo Filename: 5

Attachment Description:

East of the bridge along the
train tracks looking east along
train tracks under the bridge



Photo Number: 6

Photo Filename: 6

Attachment Description:

East of the bridge along the
train tracks looking up towards
the bridge underdeck



Photo Number: 7

Photo Filename: 7

Attachment Description:

Under the northern bridge
abutment looking up towards
the bridge and abutment



Photo Number: 8

Photo Filename: 8

Attachment Description:

Under the southern bridge
abutment looking southwest at
the signs under bridge



Photo Number: 9

Photo Filename: 9

Attachment Description:

West of the bridge along the train tracks looking east along the train tracks under the bridge



Photo Number: 10

Photo Filename: 10

Attachment Description:

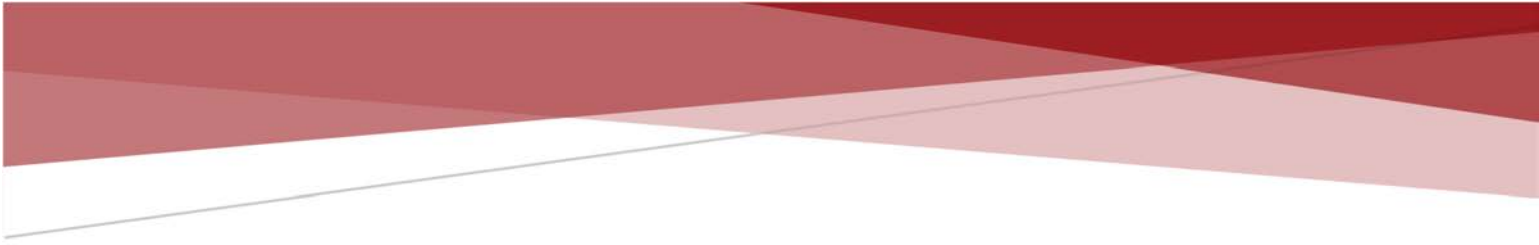
West of the bridge along the train tracks looking west at new bike lane construction



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #1:

- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet



LOCATION SITE #2

ECO/WATER SITE #2

Eco/water site located behind Hilton Garden Inn in Danbury, Connecticut. Railroad tracks run in the east-west direction with heavy vegetation along both sides of the train tracks. Water can be seen through the vegetation on the north side of the tracks. Unknown utility poles can be seen along the south side.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - Behind Hilton Garden Inn Danbury, CT
Inspectors: RR, BL	



Eco/water site #2

Heavy/thick vegetation along both sides of railroad

Utility poles are present on the south side of the track

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

South of the tracks looking
north at the tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

On the tracks looking west



Photo Number: 3

Photo Filename: 3

Attachment Description:

On the tracks looking east



Photo Number: 4

Photo Filename: 4

Attachment Description:

North of the tracks looking
north at the vegetation



Photo Number: 5

Photo Filename: 5

Attachment Description:

North of the tracks looking south at the tracks and vegetation



Photo Number: 6

Photo Filename: 6

Attachment Description:

North of the tracks looking northwest at the vegetation and water



Photo Number: 7

Photo Filename: 7

Attachment Description:
South of the tracks looking
southeast at the utility pole



Photo Number: 8

Photo Filename: 8

Attachment Description:
North of the tracks looking
southeast at the
tracks and utility pole



Photo Number: 9

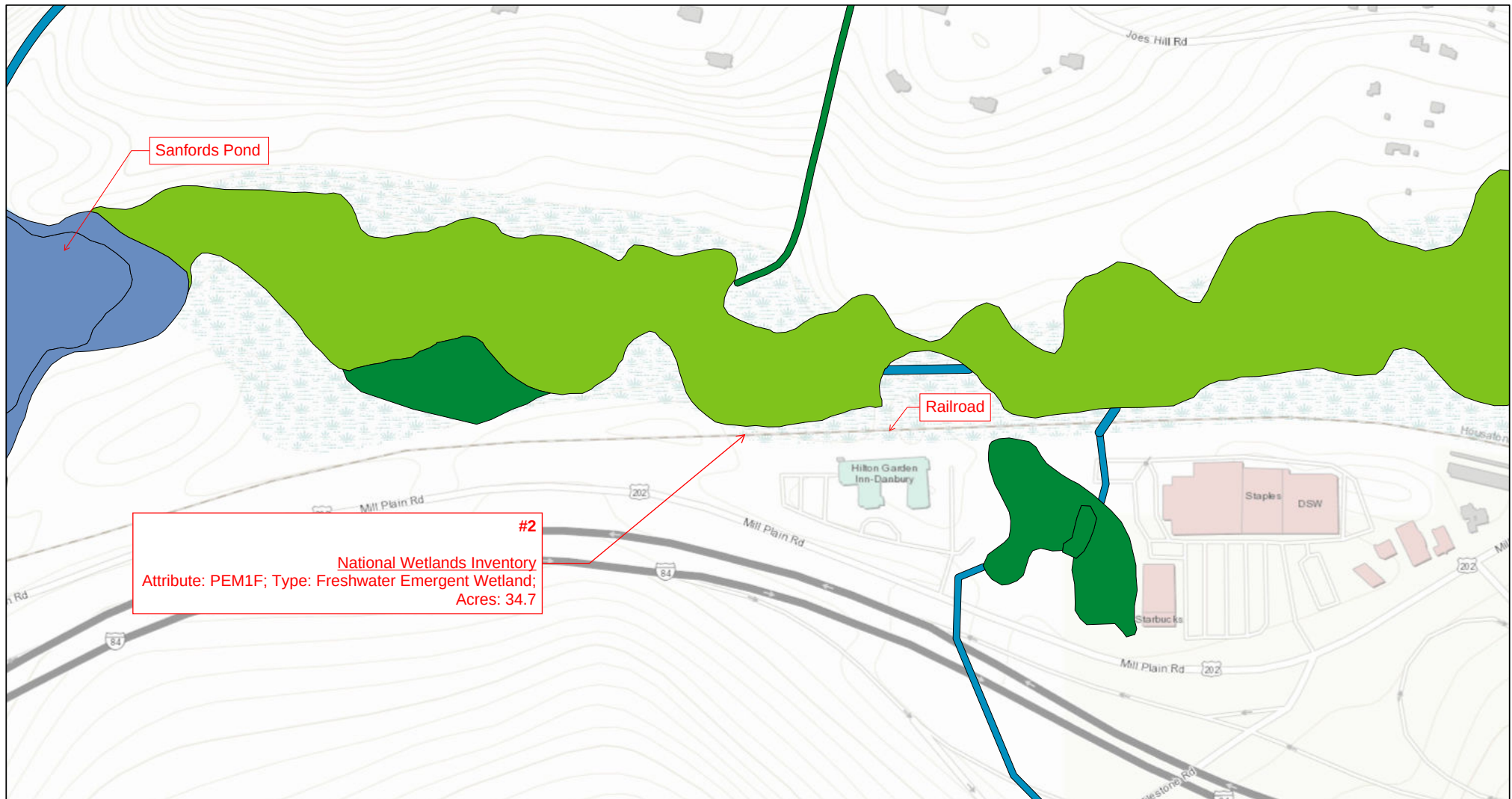
Photo Filename: 9

Attachment Description:

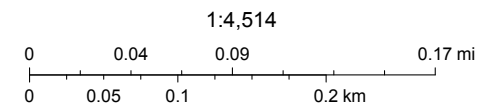
North of the tracks looking southwest at the tracks and utility pole



#2 - NYSDEC

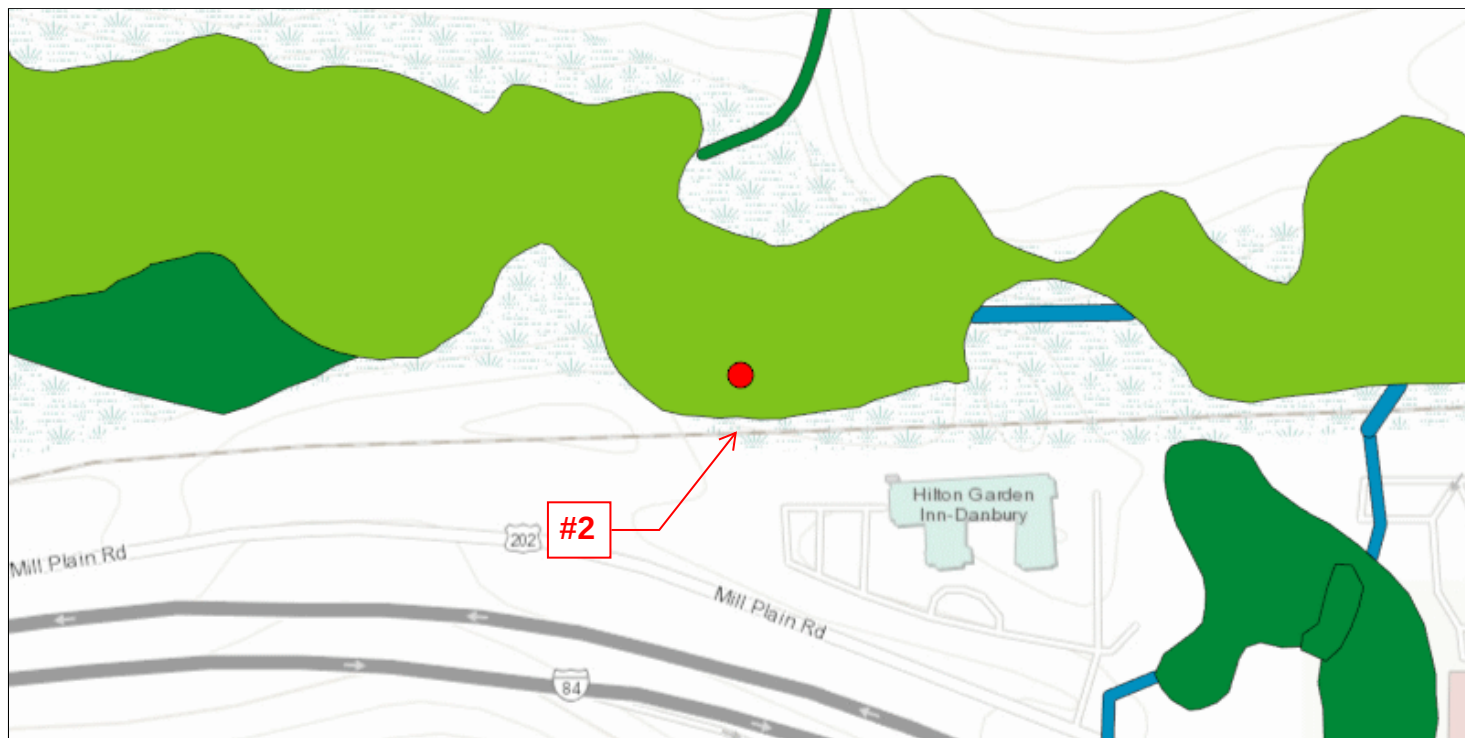


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 623153.0077265804

Northing: 4583540.229499747

Longitude/Latitude

Longitude: -73.52687805356148

Latitude: 41.39398095287704

The approximate address of the point you clicked on is:

06811, Danbury, Connecticut

USGS Quad: BREWSTER

National Wetlands Inventory

Attribute: PEM1F

Type: Freshwater Emergent Wetland

Acres: 34.71498229148452

For more information about the National Wetlands Inventory wetlands visit <https://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

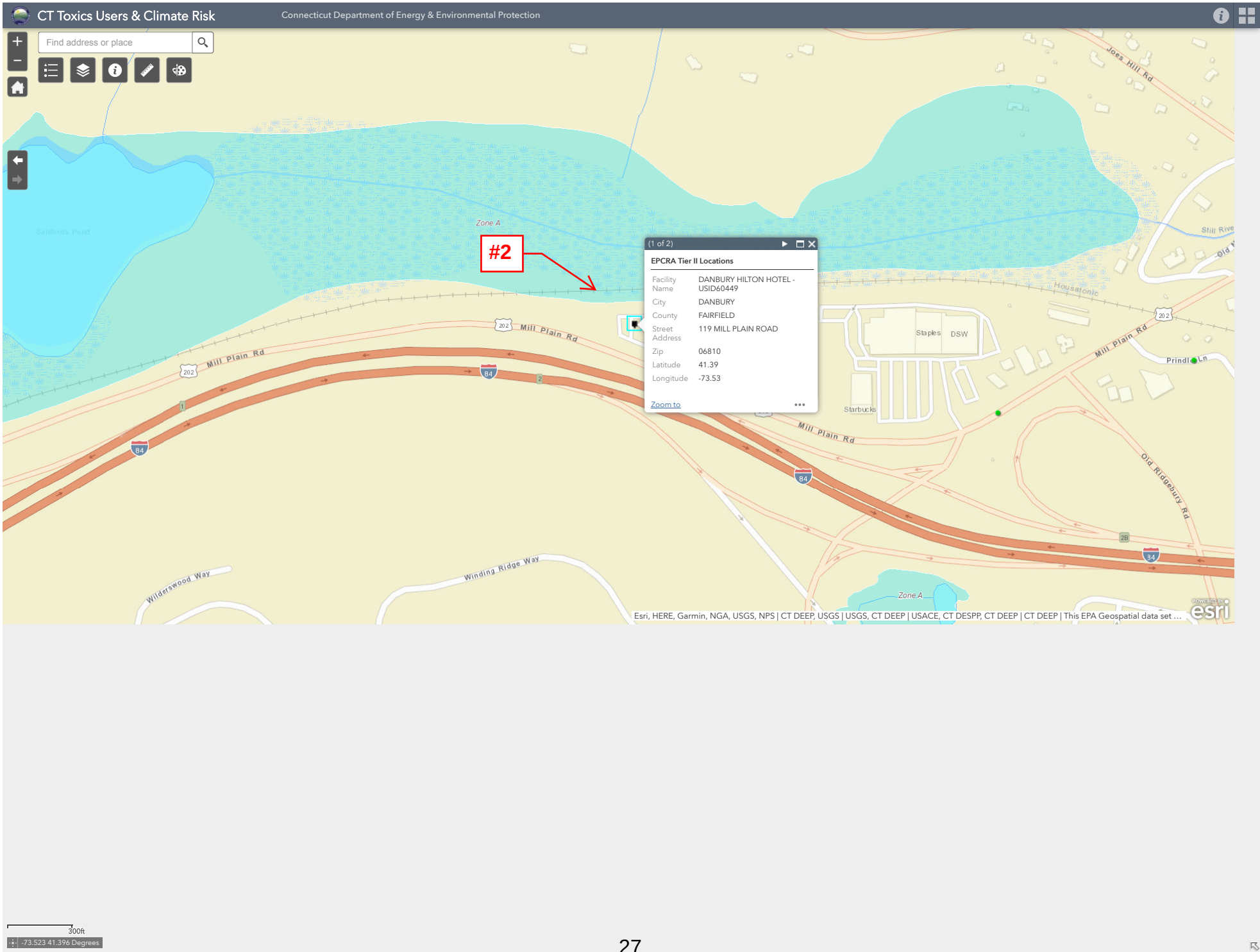
Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

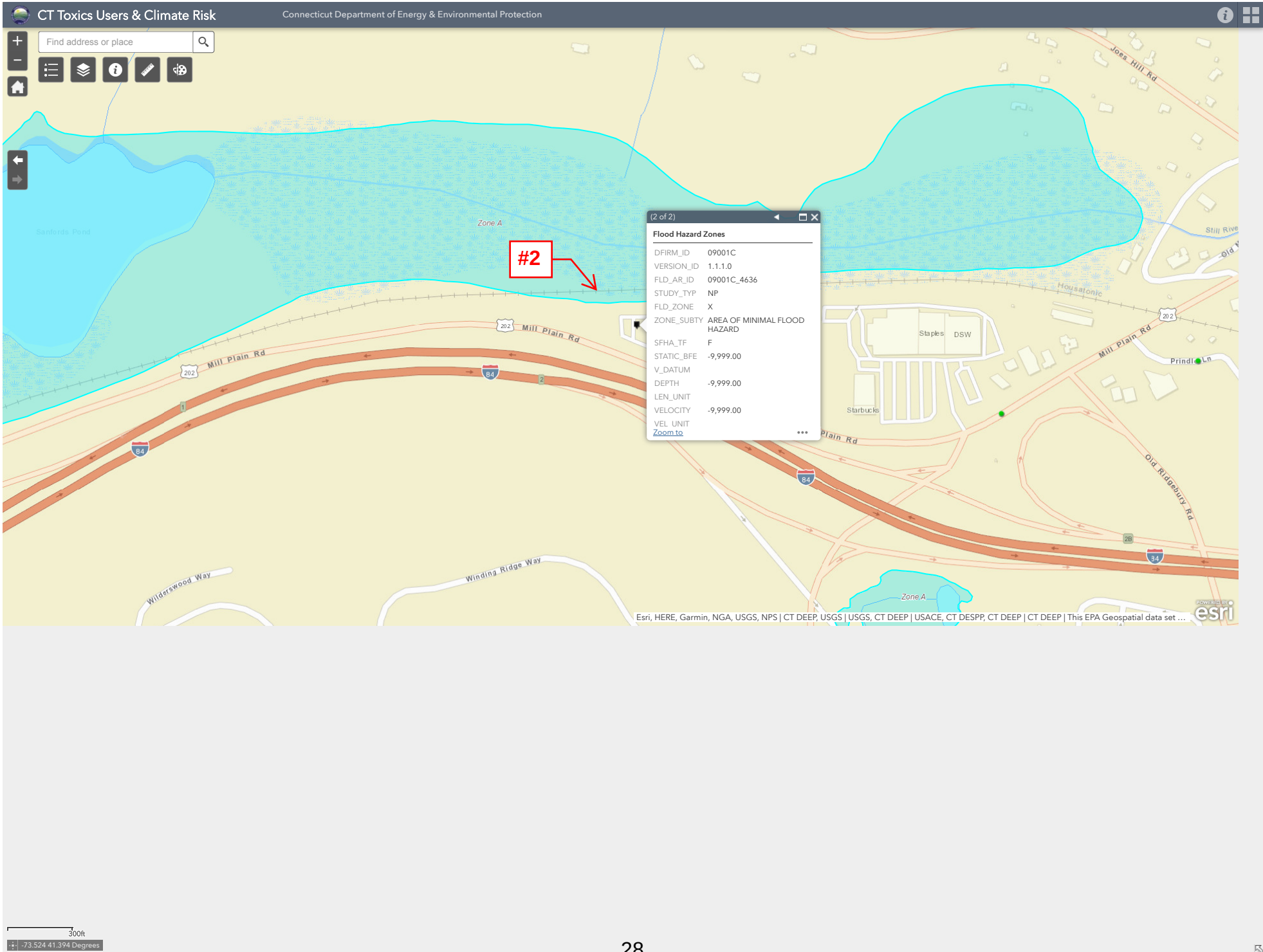
[CLICK HERE TO DECODE](#)

Description for code PEM1F:

- P** System **PALUSTRINE**: The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.
- EM** Class **EMERGENT**: Characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. This vegetation is present for most of the growing season in most years. These wetlands are usually dominated by perennial plants.
- 1** Subclass **Persistent**: Dominated by species that normally remain standing at least until the beginning of the next growing season. This subclass is found only in the Estuarine and Palustrine systems.
- F** Water Regime **Semipermanently Flooded**: Surface water persists throughout the growing season in most years. When surface water is absent, the water table is usually at or very near the land surface.

Other Modifier(s):

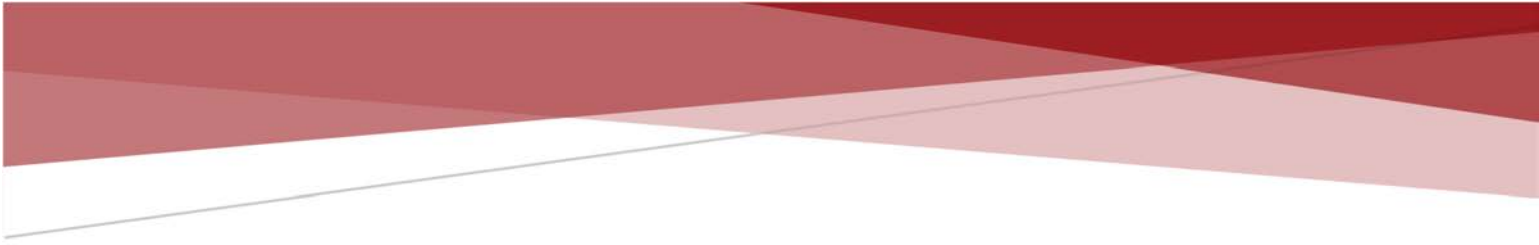




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #2:

- Location #2 is near a National Wetlands Inventory which is a palustrine, emergent, persistent, that is semi-permanently flooded and covers 34.7 acres. The Wetland is located approximately 40 ft away from the rail link
- According to the CT Toxics Users & Climate Risk (CTTUCR), in this location, there is a EPCRA Tier II Building Location (Danbury Hilton Hotel) and is in a Flood Hazard Zone X. The Danbury Hilton Hotel is located approximately 350 ft away from the rail link
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet
- The natural diversity data base area in Danbury, CT shows that this area is in a marsh



LOCATION SITE #3/#5

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 30, 2021

Structure Information

<i>BIN:</i> 00456 <i>Feature Crossed:</i> DNBY TERM/HOUSATONIC RR <i>Feature Carried:</i> US Route 6 <i>Bridge Mile:</i> 1.3 <i>Skew (°):</i> 47.00 <i>Type of Bridge Structure:</i> I-Beam <i>Type of Deck:</i> Concrete Slab <i>Number of Spans:</i> 3 <i>Length of Span(ft):</i> 159 <i>Out-To-Out Width (ft.)</i> 62.00	<i>Site:</i> 3&5 <i>Location:</i> 1.3 miles East CT NY SL <i>County:</i> Fairfield <i>City:</i> Danbury <i>Approximate Year Built:</i> 1950 <i>Primary Owner:</i> CTDOT <i>Maintenance Responsibility:</i> CTDOT (Framework & Abutments) <i>Maintenance Responsibility:</i> CTDOT (Roadway & Approaches)
---	---

Railroad Information

Railroad Line: Housatonic RR
Number of Tracks: 1
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
Clear Dist. To North of Track (ft.): ~6.5

Notable Features

Utilities carried on bridge: As seen on photo 8
Utilities parallel to the bridge: As seen on photo 6
Vertical Clearance less than legal minimum (ft): NA
Vegetation: Heavy
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - RT 202/US-6 Danbury, CT
Inspectors: RR, BL	



Bridge site #3/#5 carries Route 202 in Danbury, CT

There are utilities on the underside of the bridge

Vegetation along the piers by the tracks

Photo Number: 1

Photo Filename: 1

Attachment Description:

Under the eastern side of the bridge along the train tracks looking west towards the bridge and train tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

Under the eastern side of the bridge along the train tracks looking northwest towards the northern bridge pier



Photo Number: 3

Photo Filename: 3

Attachment Description:

Under the eastern side of the bridge along the train tracks looking northwest towards the northern bridge abutment



Photo Number: 4

Photo Filename: 4

Attachment Description:

Under the eastern side of the bridge along the train tracks looking southwest towards the southern pier and abutment



Photo Number: 5

Photo Filename: 5

Attachment Description:

Under the eastern side of the bridge looking north at the tracks and bridge pier



Photo Number: 6

Photo Filename: 6

Attachment Description:

East side under the bridge looking up at the utilities running north-south parallel to the bridge along the bridge underdeck



Photo Number: 7

Photo Filename: 7

Attachment Description:

Under the west side of the bridge along the train tracks looking east towards the bridge and train tracks



Photo Number: 8

Photo Filename: 8

Attachment Description:

Under the western side of the bridge along the train tracks looking southeast towards the eastern bridge fascia



Photo Number: 9

Photo Filename: 9

Attachment Description:

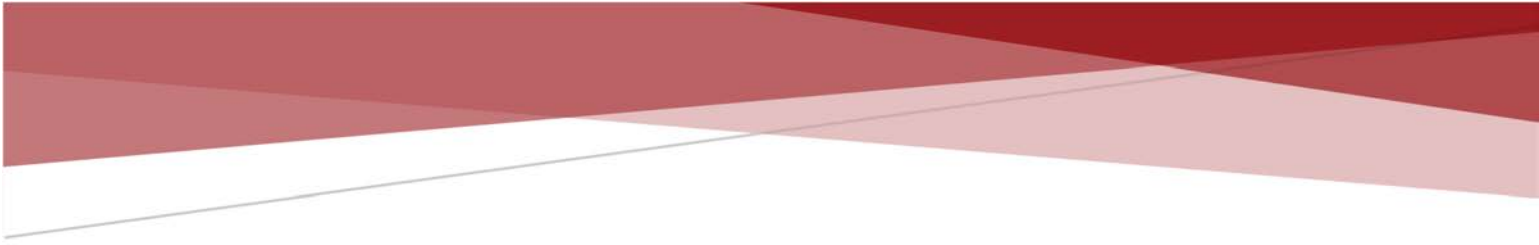
Under the western side of the
bridge along the train tracks
looking northeast towards the
eastern bridge fascia



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #3/#5:

- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet
- The natural diversity data base area in Danbury, CT shows that this area is in a marsh

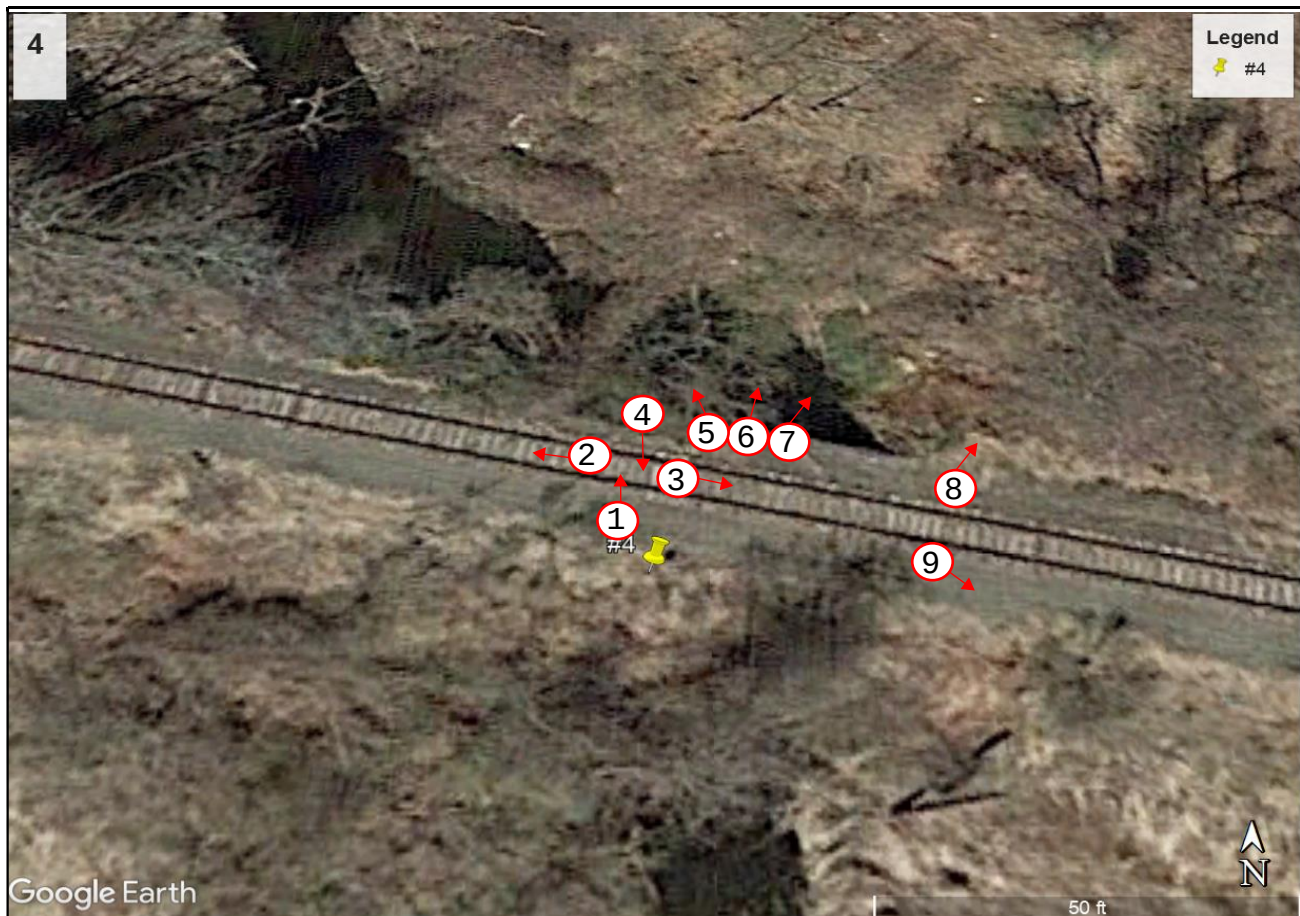


LOCATION SITE #4

ECO/WATER SITE #4

Eco/water site crosses the Still River by Prindle Lane in Danbury, Connecticut. The train tracks run in the east-west direction over a box culvert. There is heavy vegetation along both sides of the train tracks. The river cannot be seen due to the vegetation on the south side. There is an abandoned utility pole to the southeast of the site and a steel frame building that is being constructed to the northeast.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION Still River by Prindle Lane Danbury, CT
Inspectors: RR, BL	



Box culvert approximately 25' wide

Heavy vegetation in the vicinity

Abandoned light post present in the area

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

South of the tracks looking
north at the tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

On the tracks looking west



Photo Number: 3

Photo Filename: 3

Attachment Description:

On the tracks looking east



Photo Number: 4

Photo Filename: 4

Attachment Description:

North of the tracks looking
south at the tracks



Photo Number: 5

Photo Filename: 5

Attachment Description:

North of the tracks looking
north at the water



Photo Number: 6

Photo Filename: 6

Attachment Description:

North of the tracks looking
northeast at the east
wingwall and water



Photo Number: 7

Photo Filename: 7

Attachment Description:
North of the tracks looking
northwest at the vegetation



Photo Number: 8

Photo Filename: 8

Attachment Description:
North of the tracks looking
northeast at the steel frame
building



Photo Number: 9

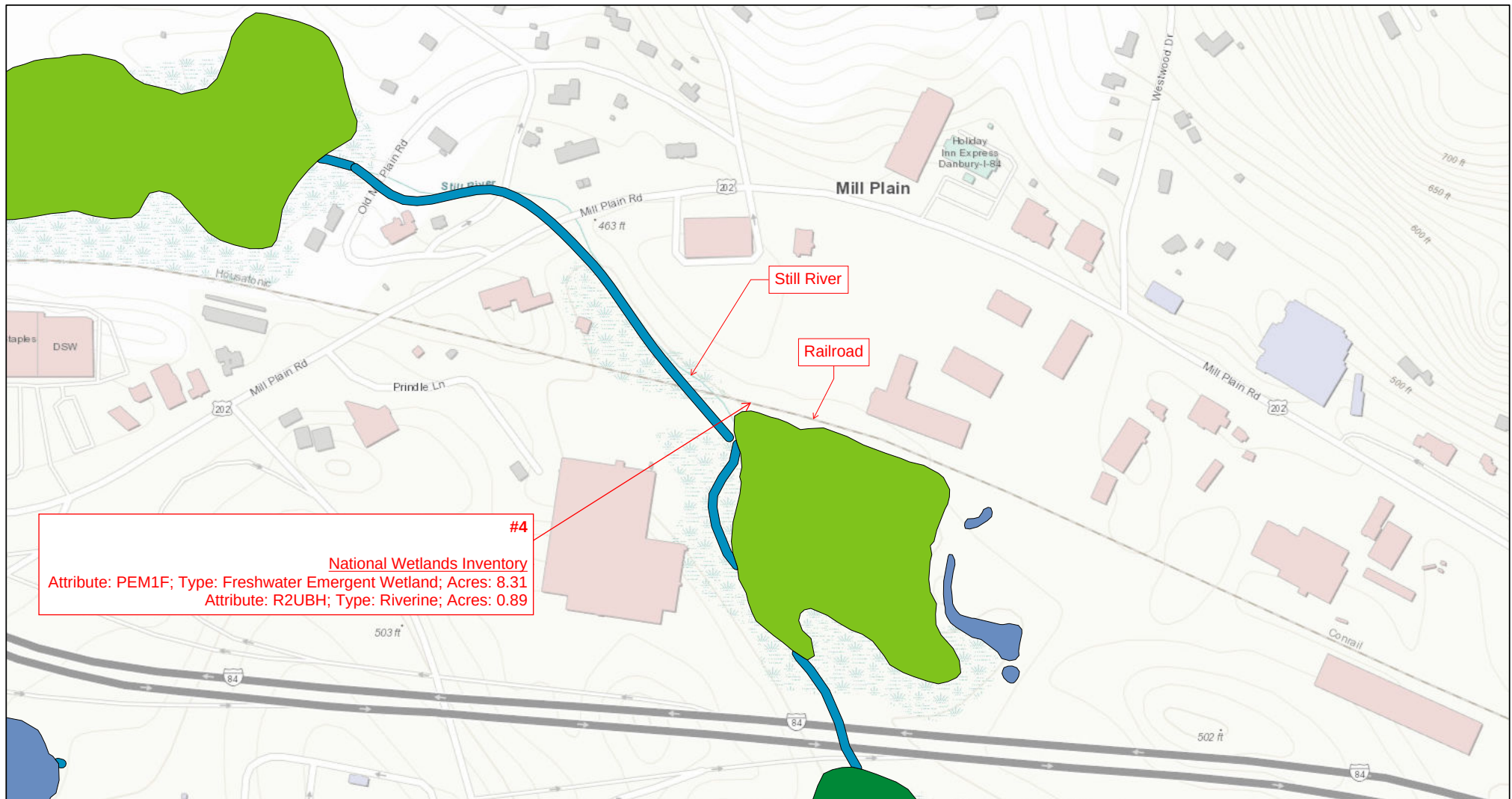
Photo Filename: 9

Attachment Description:

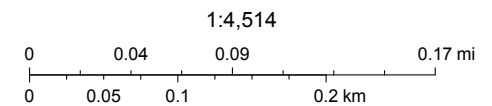
South of the tracks looking
at the utility pole



#4 - NYSDEC



September 7, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 624277.139592722	Northing: 4583406.744244031
Longitude/Latitude	Longitude: -73.51346319775922	Latitude: 41.39260606131597

The approximate address of the point you clicked on is:
06811, Danbury, Connecticut

USGS Quad: BREWSTER

National Wetlands Inventory

Attribute: PEM1F

Type: Freshwater Emergent Wetland

Acres: 8.316389157047372

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 624214.7885912447	Northing: 4583432.490018814
Longitude/Latitude	Longitude: -73.51420348744725	Latitude: 41.39284752289468

The approximate address of the point you clicked on is:
06811, Danbury, Connecticut

USGS Quad: BREWSTER

National Wetlands Inventory

Attribute: R2UBH

Type: Riverine

Acres: 0.894968674

For more information about the National Wetlands Inventory wetlands visit <https://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code PEM1F:

- P** System **PALUSTRINE**: The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.
- EM** Class **EMERGENT**: Characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. This vegetation is present for most of the growing season in most years. These wetlands are usually dominated by perennial plants.
- 1** Subclass **Persistent**: Dominated by species that normally remain standing at least until the beginning of the next growing season. This subclass is found only in the Estuarine and Palustrine systems.
- F** Water Regime **Semipermanently Flooded**: Surface water persists throughout the growing season in most years. When surface water is absent, the water table is usually at or very near the land surface.

Other Modifier(s):



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

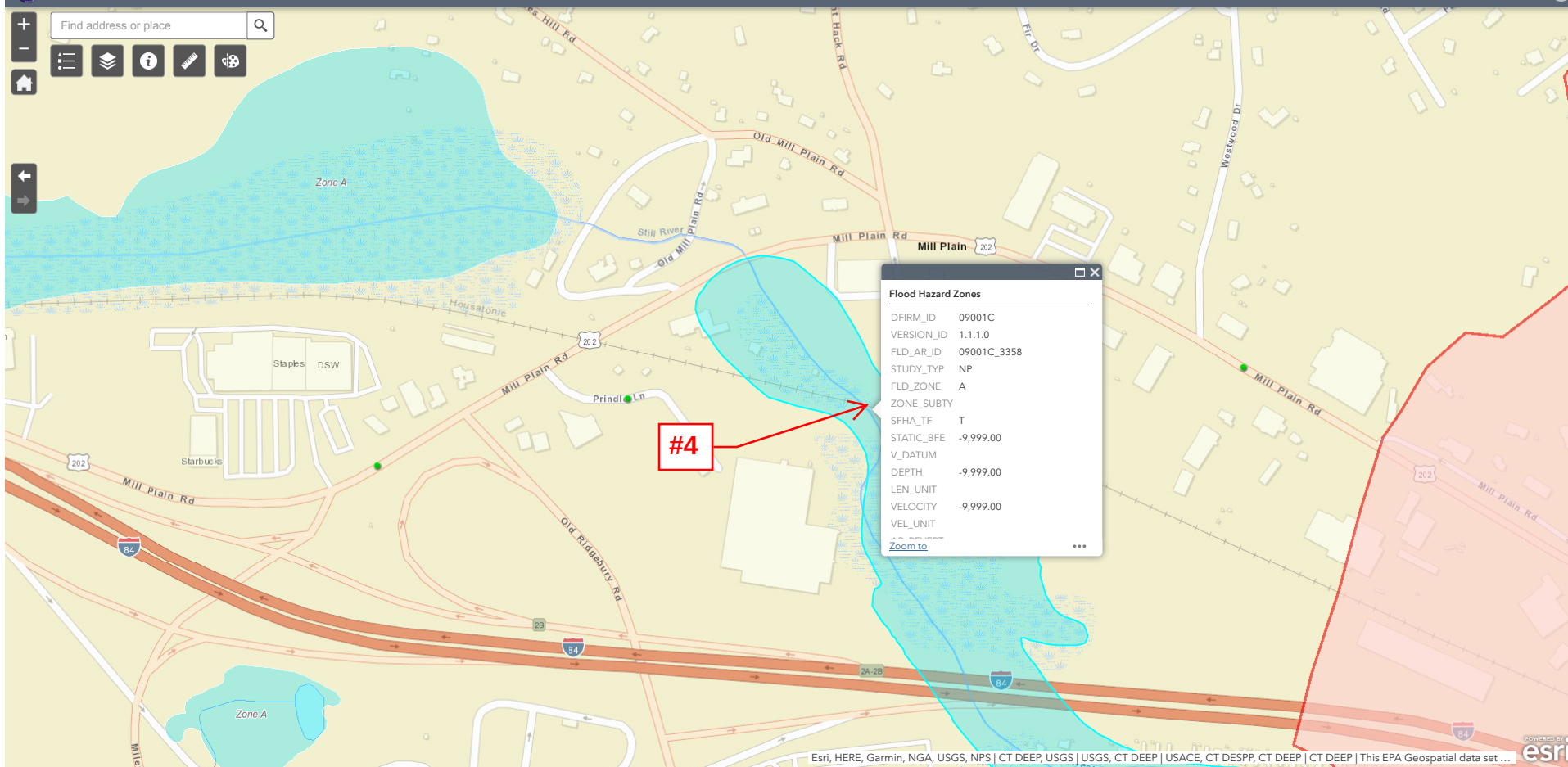
Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R2UBH:

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 2** Subsystem **LOWER PERENNIAL**: This Subsystem is characterized by a low gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists mainly of sand and mud. Oxygen deficits may sometimes occur. The fauna is composed mostly of species that reach their maximum abundance in still water, and true planktonic organisms are common. The gradient is lower than that of the Upper Perennial Subsystem and the floodplain is well developed.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

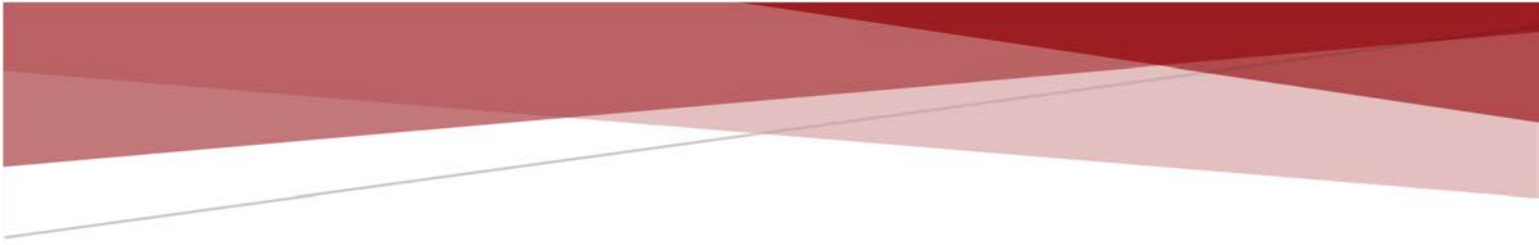
Other Modifier(s):



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #4:

- Location #4 is near multiple National Wetlands Inventory. One of which is a palustrine, emergent, persistent, that is semi-permanently flooded and covers 8.31 acres. The Wetland is located approximately 40 ft away from the rail link
- Location #4 is near multiple National Wetlands Inventory. One of which is a riverine, lower perennial, unconsolidated, that is permanently flooded and covers 0.89 acre. The Wetland is located approximately 180 ft away from the rail link
- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone A
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet
- The natural diversity data base area in Danbury, CT shows that this area is in a marsh



LOCATION SITE #6

AT GRADE SITE #6

At grade site is located off of Mill Plain Road in Danbury, Connecticut. The railroad runs in the east-west direction behind Dandy Foods food supplier. This site has limited access that leads to a parking lot with a closed gate to the south. There is a stop sign for both of the north and south directions of traffic. There is also some light vegetation surrounding the pavement areas.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - Off Mill Plain Road Danbury, CT
Inspectors: RR, BL	



At grade site located off of Mill Plain Road behind Dandy Food

Limited access area

Lot of vegetation in the vicinity

Asphalt has cracks and spalls near the tracks

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

South of the tracks looking
north at the tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

South of the tracks looking
south at the gate



Photo Number: 3

Photo Filename: 3

Attachment Description:

South of the tracks looking
down at the tracks



Photo Number: 4

Photo Filename: 4

Attachment Description:

On the tracks looking west



Photo Number: 5

Photo Filename: 5

Attachment Description:
On the tracks looking east



Photo Number: 6

Photo Filename: 6

Attachment Description:
North of the tracks looking south
at the tracks and gate



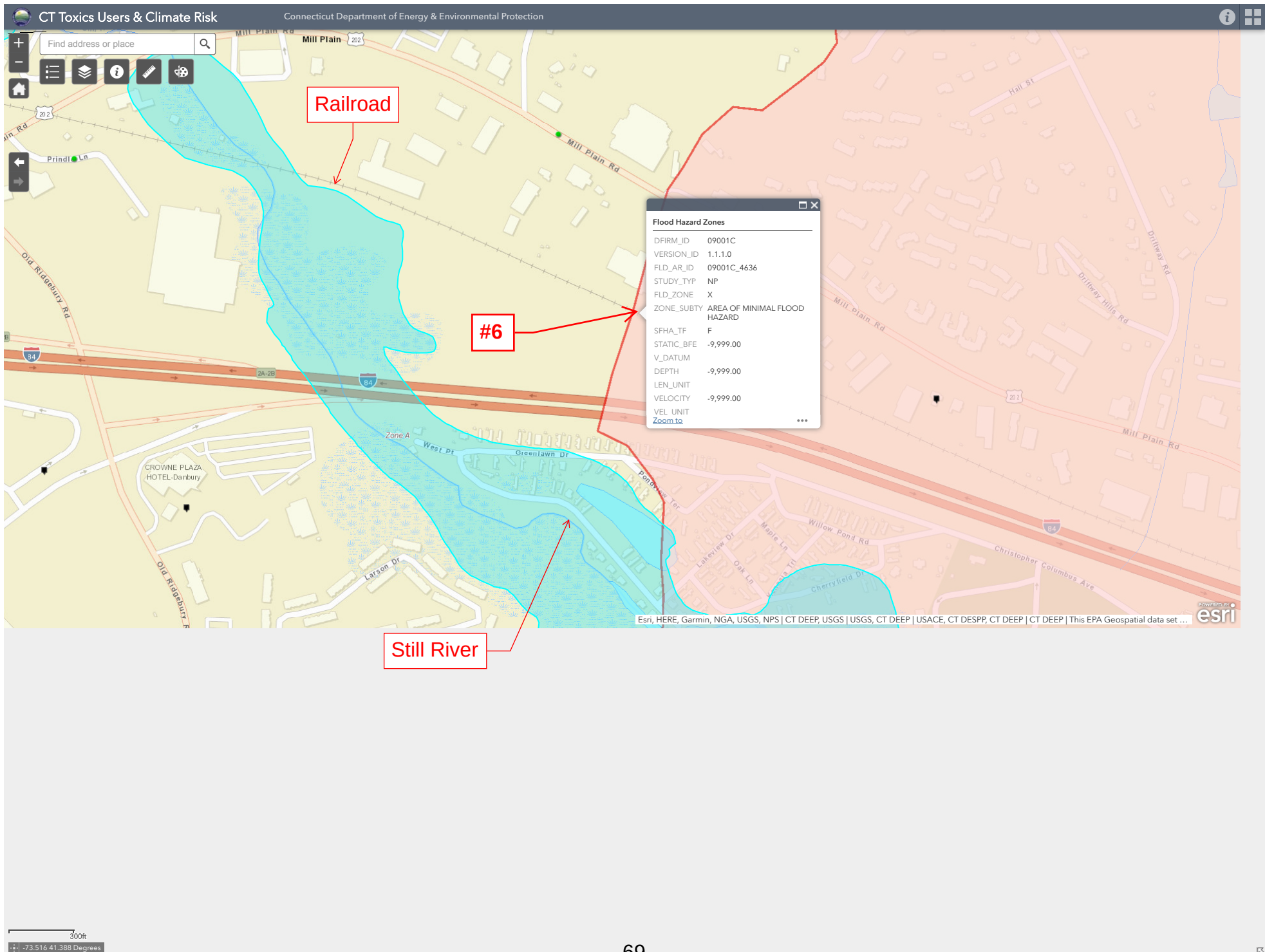
Photo Number: 7

Photo Filename: 7

Attachment Description:

North of the tracks looking
southwest at the stop sign

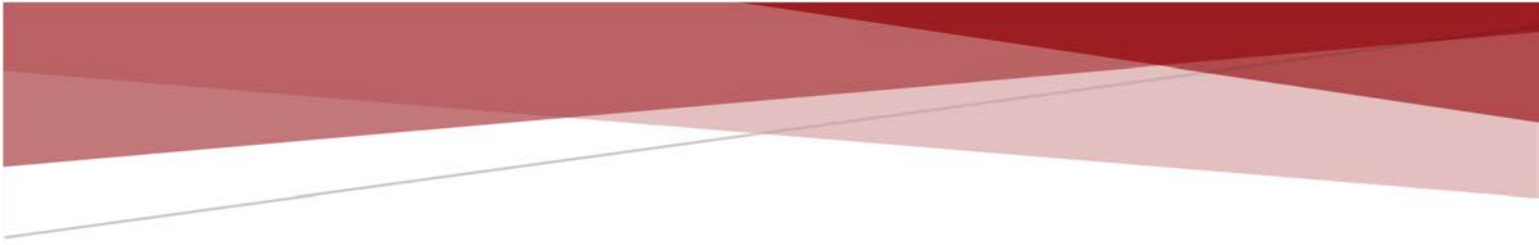




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #6:

- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone X
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet



LOCATION SITE #7

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 30, 2021

Structure Information

<i>BIN:</i> 01180 <i>Feature Crossed:</i> I-84 & HOUSATONIC RR <i>Feature Carried:</i> Kensia Avenue <i>Bridge Mile:</i> 3.25 <i>Skew (°):</i> 20.00 <i>Type of Bridge Structure:</i> I-Beam <i>Type of Deck:</i> Concrete Slab <i>Number of Spans:</i> 4 <i>Length of Span(ft):</i> 288 <i>Out-To-Out Width (ft.)</i> 42.00	<i>Site:</i> 7 <i>Location:</i> 1 mile West rt 7 & 84 split <i>County:</i> Fairfield <i>City:</i> Danbury <i>Approximate Year Built:</i> 1962 <i>Primary Owner:</i> CTDOT <i>Maintenance Responsibility:</i> CTDOT (Framework & Abutments) <i>Maintenance Responsibility:</i> CTDOT (Roadway & Approaches)
--	---

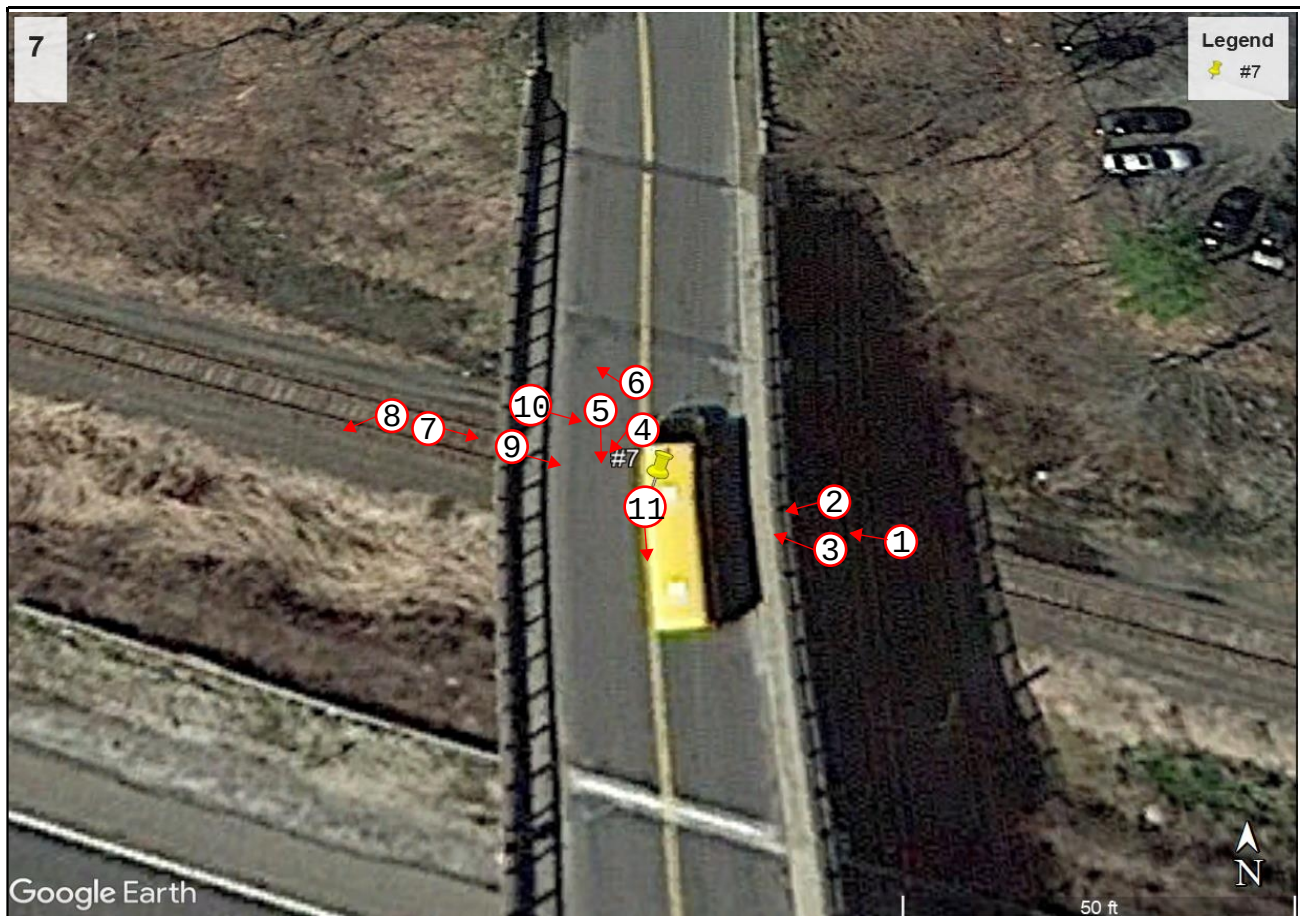
Railroad Information

Railroad Line: Housatonic RR
Number of Tracks: 1
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
Clear Dist. To North of Track (ft.): ~26

Notable Features

Utilities carried on bridge: Typical drainage pipes
Utilities parallel to the bridge: Not seen
Vertical Clearance less than legal minimum (ft): NA
Vegetation: Heavy outside of bridge
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - 108 US-6, Danbury CT
Inspectors: RR, BL	



Bridge site #7 at Kenosia Ave over railroad

Lot of vegetation present along the piers by the track

BIN: 01180 Feasibility Report
Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

Under the eastern side of the bridge along the train tracks looking west towards the bridge and train tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

Under the eastern east of the bridge along the train tracks looking southwest towards the bridge pier



Photo Number: 3

Photo Filename: 3

Attachment Description:

Under east of bridge along the train tracks looking northwest towards bridge northern abutment and pier



Photo Number: 4

Photo Filename: 4

Attachment Description:

Under bridge along the train tracks mid span of bridge looking southwest towards southern piers and abutment



Photo Number: 5

Photo Filename: 5

Attachment Description:
Under the bridge along the train tracks mid span of bridge looking up towards bridge under deck



Photo Number: 6

Photo Filename: 6

Attachment Description:
Under the bridge along the train tracks mid span of bridge looking north towards bridge under deck, pier, and abutment



Photo Number: 7

Photo Filename: 7

Attachment Description:

Under the west side of the bridge along the train tracks looking east towards the bridge and train tracks



Photo Number: 8

Photo Filename: 8

Attachment Description:

Under the west side of the bridge along the train tracks looking up south-west towards the light posts



Photo Number: 9

Photo Filename: 9

Attachment Description:

Under the west side of the bridge along the train tracks looking southeast towards the train tracks and Route 202



Photo Number: 10

Photo Filename: 10

Attachment Description:

Under the west side of the bridge along the train tracks looking up towards the bridge underdeck



Photo Number: 11

Photo Filename: 11

Attachment Description:

Under the bridge along the train tracks mid span of the bridge looking south towards southern piers

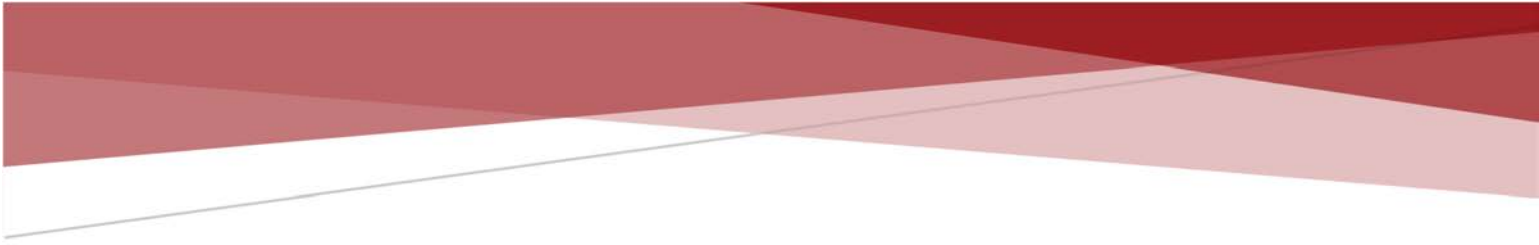




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #7:

- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone X
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, this location has other glacial meltwater deposits with lower potential yield

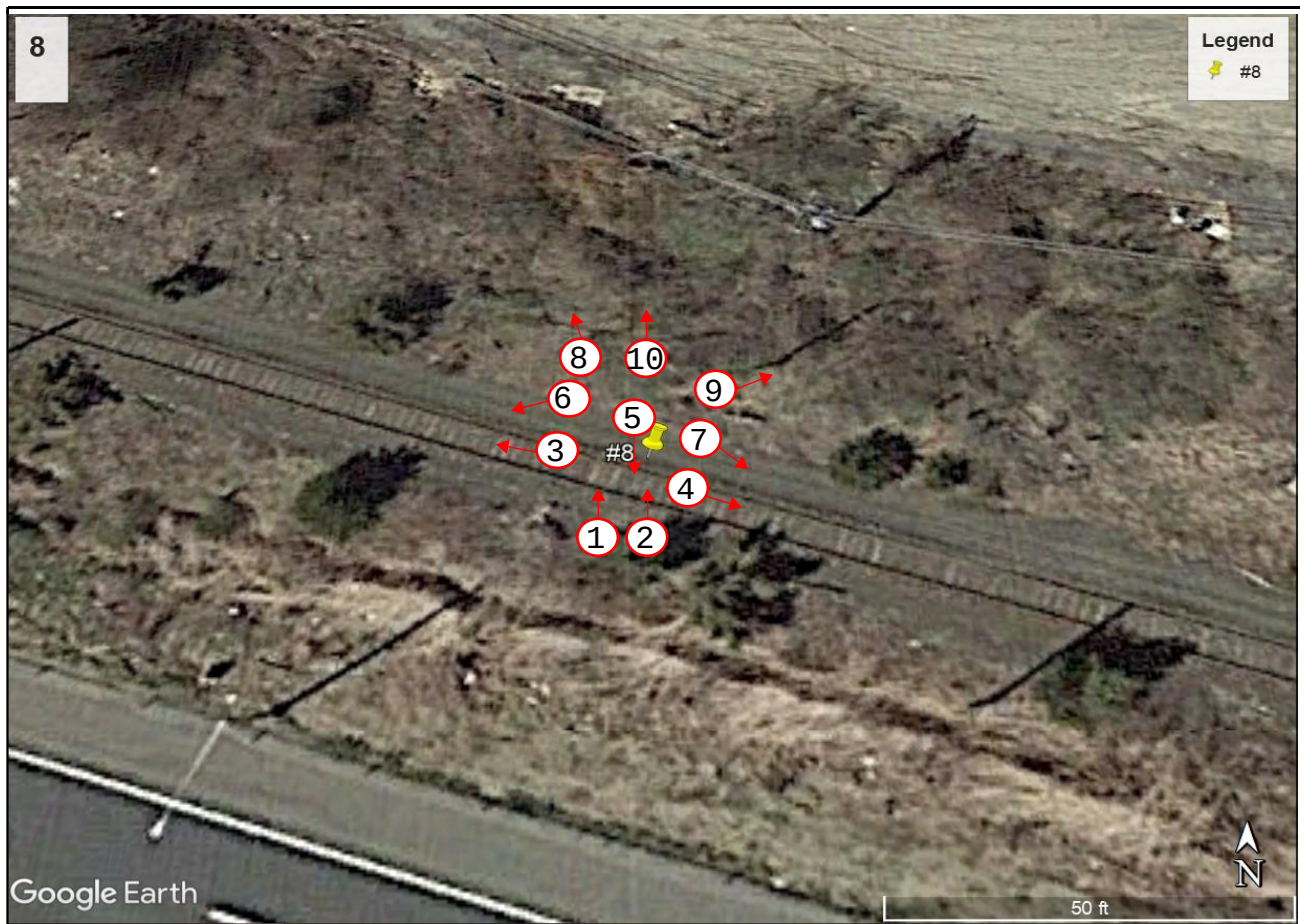


LOCATION SITE #8

AT GRADE SITE #8

At grade site located off of Lake Avenue Extension in Danbury, Connecticut. The railroad tracks run in the east-west direction parallel to Route 84 to the south. There is light vegetation on the tracks and utility poles and power lines running along both the south and north of the railroad tracks. There are several light poles and a billboard on Route 84 can be seen to the south of the railroad.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - Off Lake Ave Ext, Danbury, CT
Inspectors: RR, BL	



At grade site #8 off of Lake Avenue in Danbury, CT

Light vegetation along tracks

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

South of the tracks looking
north at the tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

South of the tracks looking
up at the power lines



Photo Number: 3

Photo Filename: 3

Attachment Description:
On the tracks looking west



Photo Number: 4

Photo Filename: 4

Attachment Description:
On the tracks looking east



Photo Number: 5

Photo Filename: 5

Attachment Description:

North of the tracks looking
south at the tracks



Photo Number: 6

Photo Filename: 6

Attachment Description:

North of the tracks looking
southwest at the utility poles



Photo Number: 7

Photo Filename: 7

Attachment Description:

North of the tracks looking
southeast at the utility poles



Photo Number: 8

Photo Filename: 8

Attachment Description:

North of the tracks looking
northwest at the utility poles



Photo Number: 9

Photo Filename: 9

Attachment Description:
North of the tracks looking
northeast at the utility poles

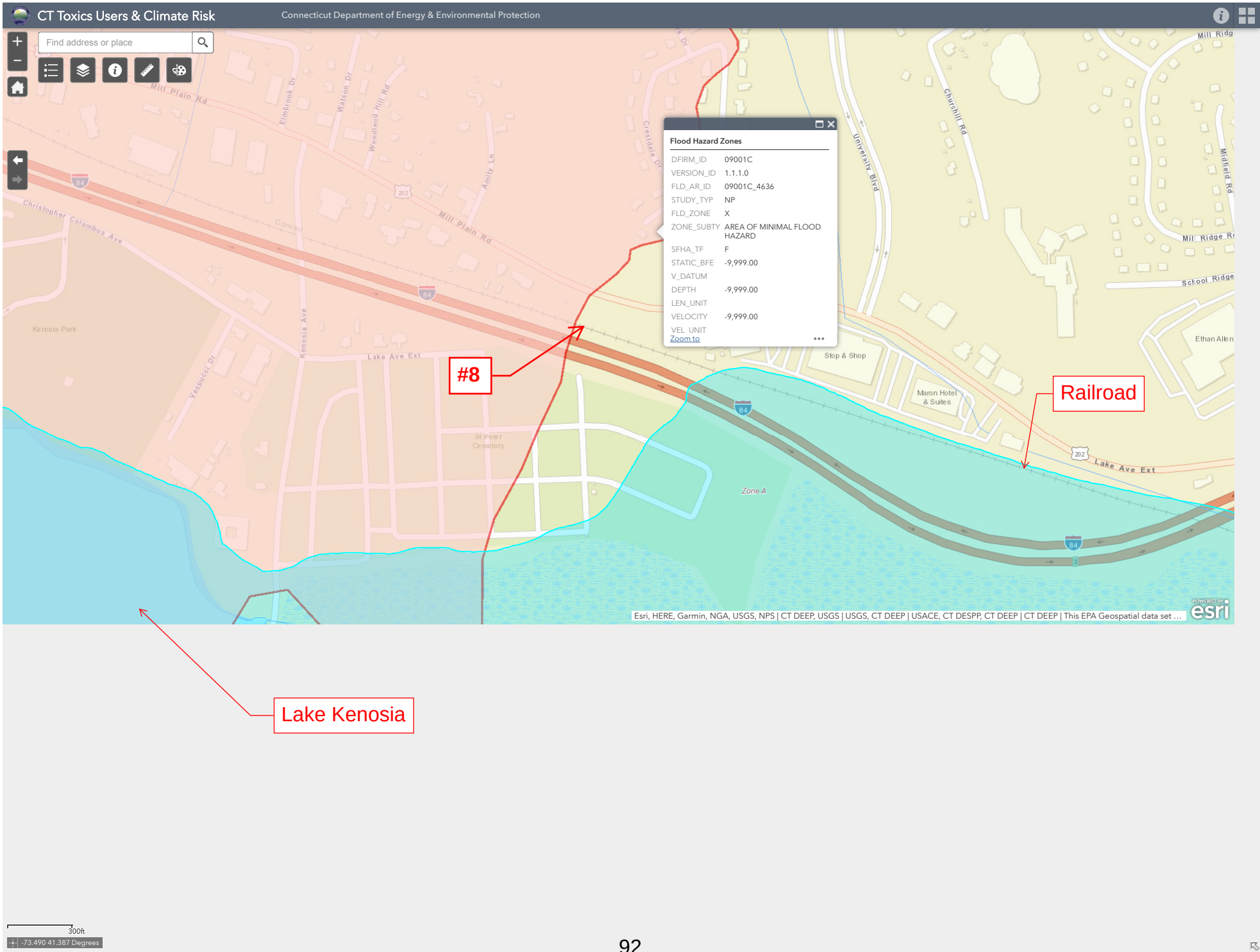


Photo Number: 10

Photo Filename: 10

Attachment Description:
North of the tracks looking
north at the utility poles

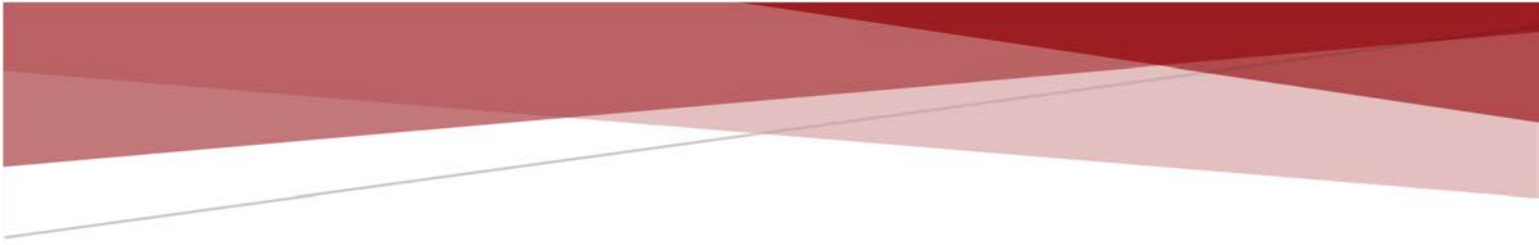




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #8:

- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone X
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, this location has other glacial meltwater deposits with lower potential yield



LOCATION SITE #9

AT GRADE SITE #9

At grade site located behind Stop and Shop in Danbury Connecticut. The railroad tracks run in the east-west direction. Stop and Shop is to the north of this site and Route 84 is to the south. There are utility poles and power lines running in between the railroad and Route 84. There is a billboard sign to the south of the railroad tracks as well. There is vegetation from both sides of the railroad tracks, but not enough to restrict access from the Stop and Shop parking lot.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - Behind Stop & Shop, Danbury, CT
Inspectors: RR, BL	



At grade site #9 behind Stop and Shop

Light vegetation by the tracks

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

South of the tracks looking
north at the tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

On the tracks looking west



Photo Number: 3

Photo Filename: 3

Attachment Description:

On the tracks looking east



Photo Number: 4

Photo Filename: 4

Attachment Description:

North of the tracks looking
south at the tracks



Photo Number: 5

Photo Filename: 5

Attachment Description:

North of the tracks looking southwest at the billboard sign



Photo Number: 6

Photo Filename: 6

Attachment Description:

South of the tracks looking southwest at the mile marker sign



Photo Number: 7

Photo Filename: 7

Attachment Description:

South of the tracks looking southwest at the billboard sign base



Photo Number: 8

Photo Filename: 8

Attachment Description:

North of the tracks looking southeast at the tracks and utility poles



Photo Number: 9

Photo Filename: 9

Attachment Description:

North of the tracks looking northwest at the vegetation and parking lot



Photo Number: 10

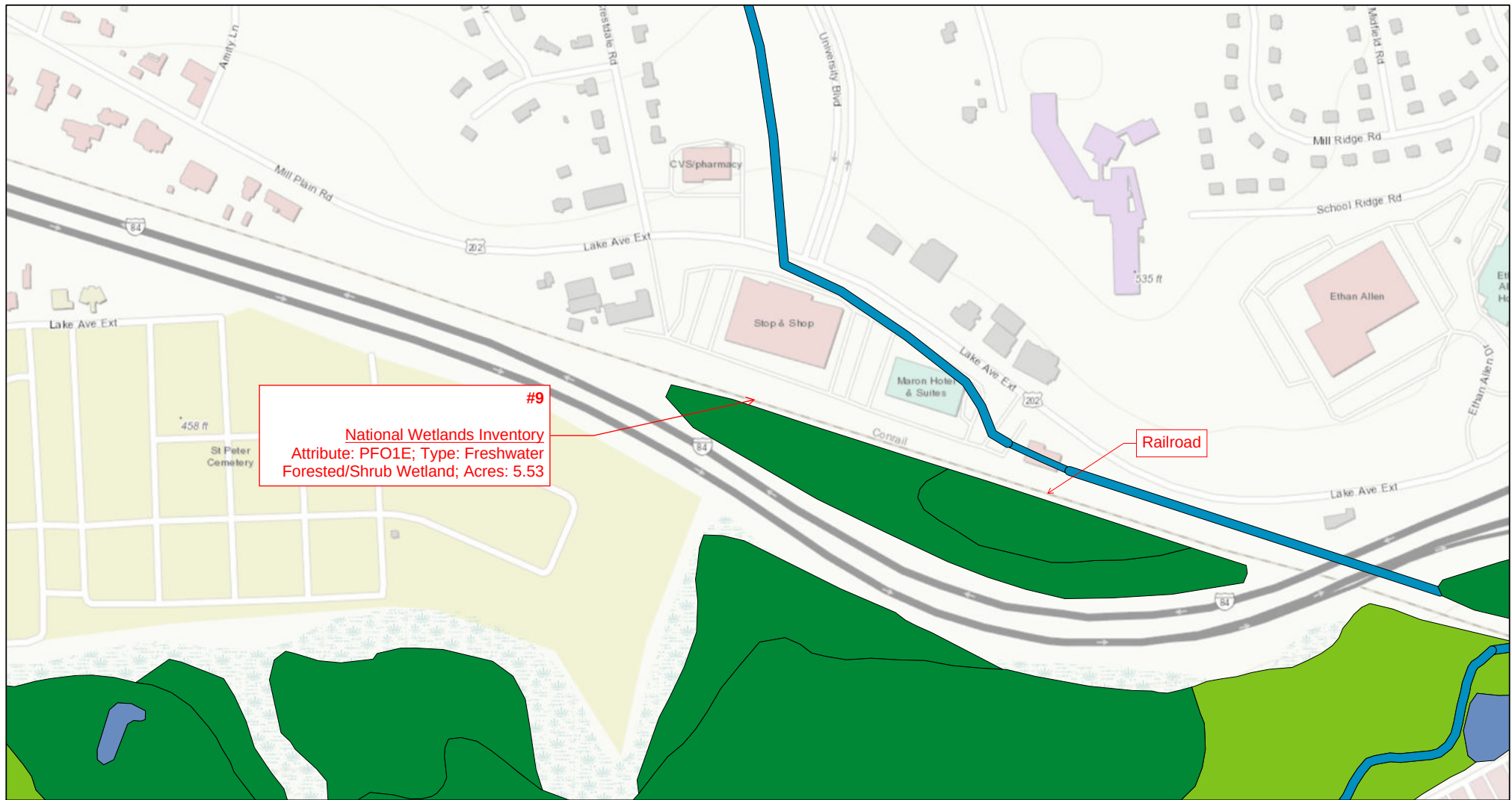
Photo Filename: 10

Attachment Description:

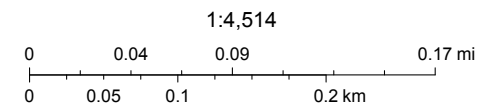
North of the tracks looking west at the tracks and utility poles



#9 - NYSDEC

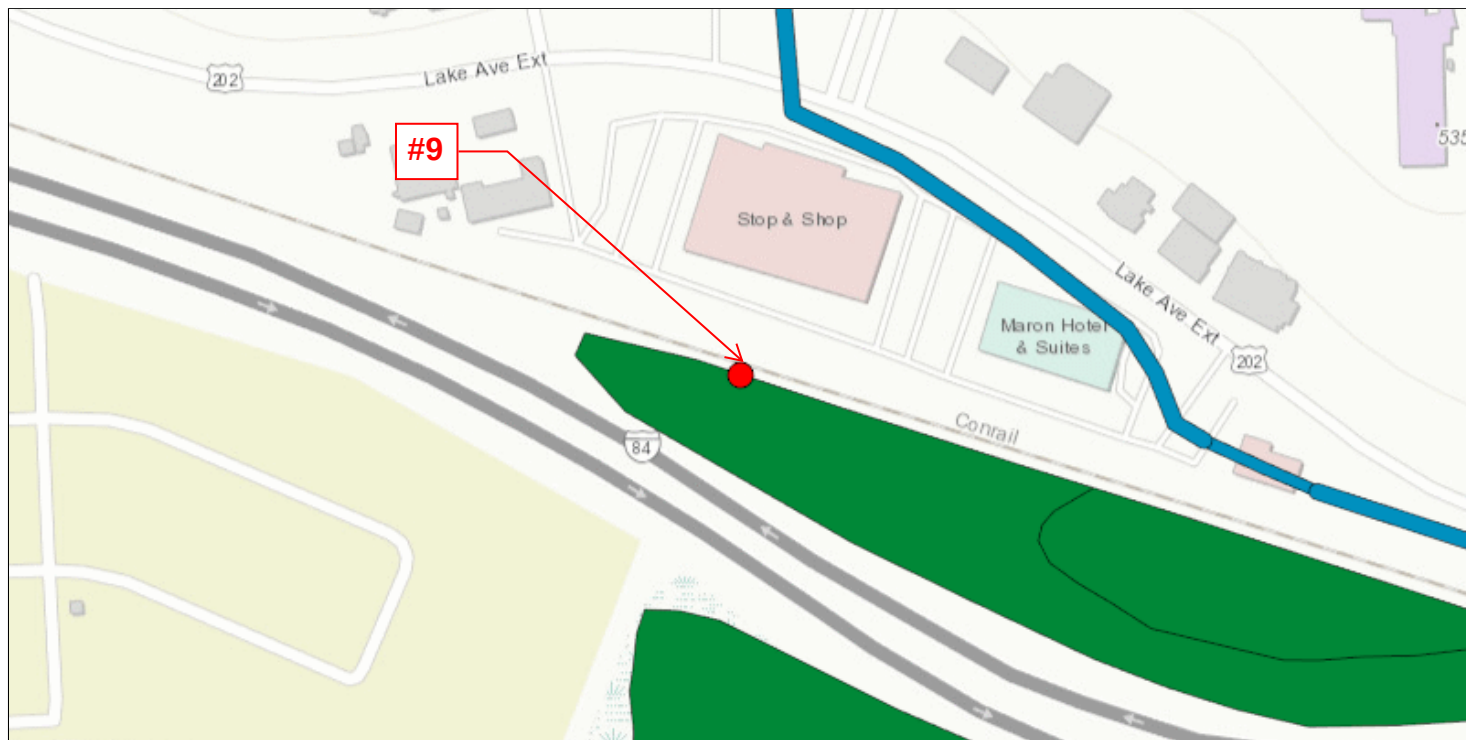


September 7, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 626402.1968621615

Northing: 4582639.449975034

Longitude/Latitude

Longitude: -73.48821288209527

Latitude: 41.38536582171754

The approximate address of the point you clicked on is:

I-84 W, Danbury, Connecticut, 06810

National Wetlands Inventory

Attribute: PFO1E

Type: Freshwater Forested/Shrub Wetland

Acres: 5.536920065

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

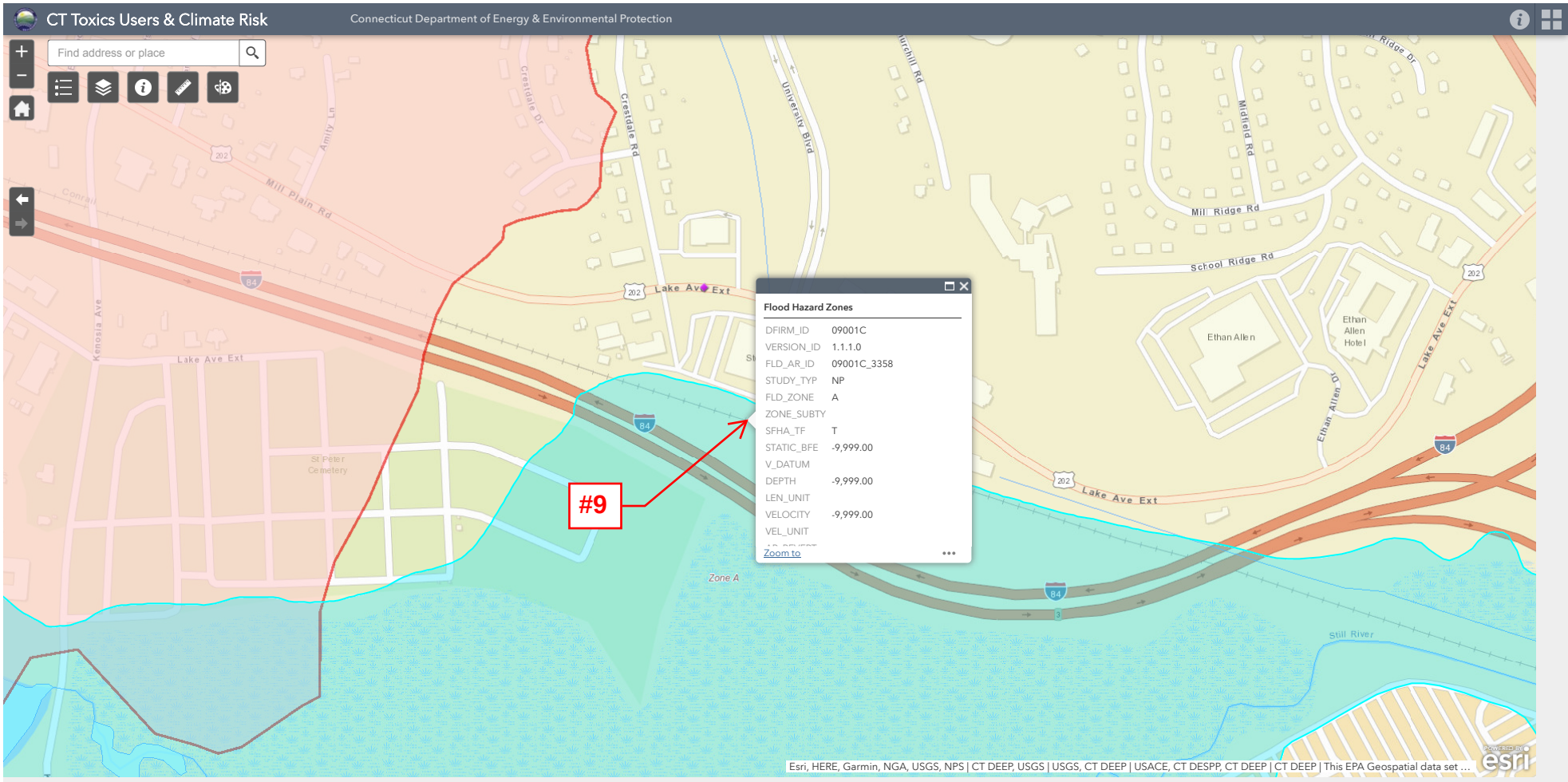
Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code PFO1E:

- P** System **PALUSTRINE**: The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.
- FO** Class **FORESTED**: Characterized by woody vegetation that is 6 m tall or taller.
- 1** Subclass **Broad-Leaved Deciduous**: Woody angiosperms (trees or shrubs) with relatively wide, flat leaves that are shed during the cold or dry season; e.g., black ash (*Fraxinus nigra*).
- E** Water Regime **Seasonally Flooded/Saturated**: Surface water is present for extended periods (generally for more than a month) during the growing season, but is absent by the end of the season in most years. When surface water is absent, the substrate typically remains saturated at or near the surface.

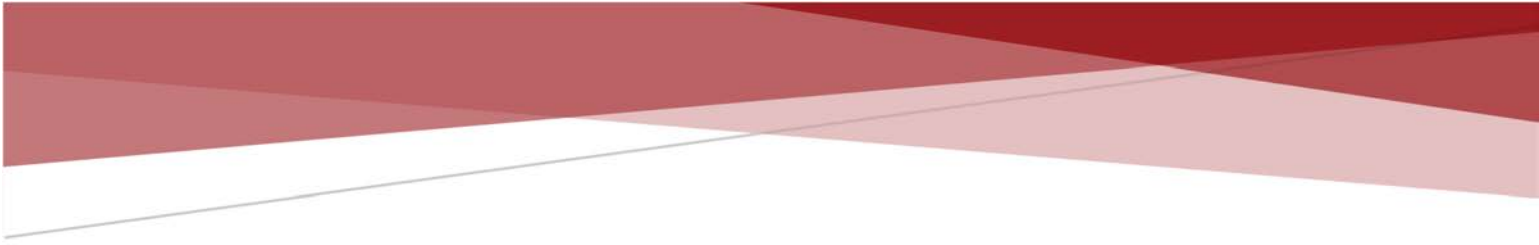
Other Modifier(s):



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #9:

- Location #9 is near a National Wetlands Inventory which is a palustrine, forested, broad-leaved deciduous, that is seasonally flooded/saturated and covers 5.53 acres. The Wetland is located approximately 20 ft away from the rail link
- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone A
- The natural diversity data base area in Danbury, CT shows that this area is in a marsh
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, this location has other glacial meltwater deposits with lower potential yield



LOCATION SITE #10

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 30, 2021

Structure Information

<i>BIN:</i> 01181 <i>Feature Crossed:</i> DNBY TERM/HOUSATONIC RR <i>Feature Carried:</i> Interstate-84 WB <i>Bridge Mile:</i> 3.23 <i>Skew (°):</i> 49.00 <i>Type of Bridge Structure:</i> I-Beam <i>Type of Deck:</i> Concrete Slab <i>Number of Spans:</i> 3 <i>Length of Span(ft):</i> 288 <i>Out-To-Out Width (ft.)</i> 59.00	<i>Site:</i> 10 <i>Location:</i> I-84 WB Exit 4 <i>County:</i> Fairfield <i>City:</i> Danbury <i>Approximate Year Built:</i> 1962 <i>Primary Owner:</i> CTDOT <i>Maintenance Responsibility:</i> CTDOT (Framework & Abutments) <i>Maintenance Responsibility:</i> CTDOT (Roadway & Approaches)
--	---

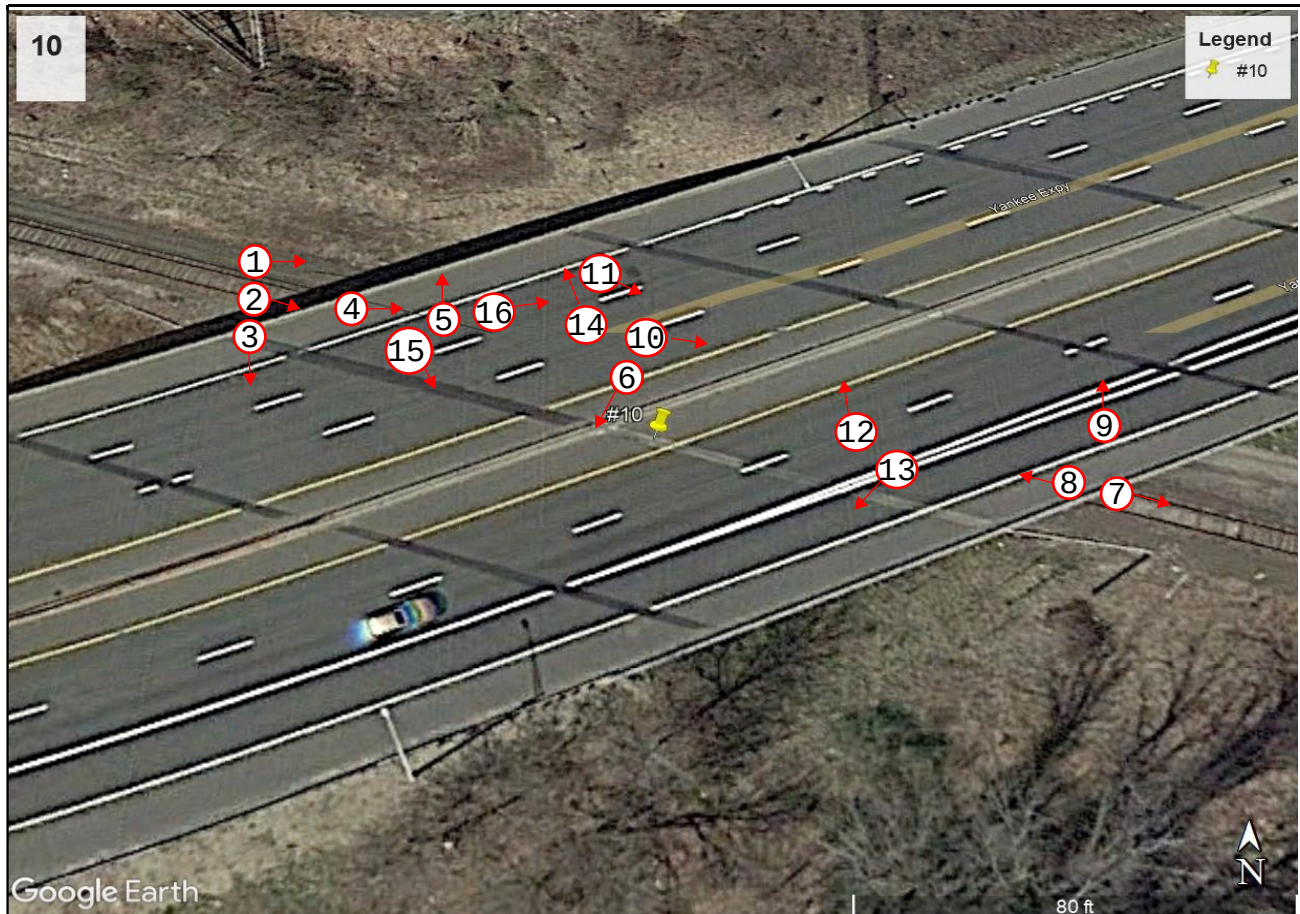
Railroad Information

Railroad Line: Housatonic RR
Number of Tracks: 1
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
Clear Dist. To North of Track (ft.): ~35
Clear Dist. To South of Track (ft.): ~12

Notable Features

Utilities carried on bridge: Typical drainage/scupper pipes
Utilities parallel to the bridge: None seen
Vertical Clearance less than legal minimum (ft): NA
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - I-84, Danbury, CT
Inspectors: RR, BL	



Bridge site #10 under I-84

Minor corrosion on steel beams on bridge

Light vegetation around the tracks

Photo Number: 1

Photo Filename: 1

Attachment Description:

Under the western side of the bridge along the train tracks looking east towards the bridge and train tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

Under the western side of the bridge along the train tracks looking southeast towards the bridge southern abutment



Photo Number: 3

Photo Filename: 3

Attachment Description:

Under the western side of the bridge along the train tracks looking south towards the bridge southern abutment



Photo Number: 4

Photo Filename: 4

Attachment Description:

Under the western side of the bridge along the train tracks looking east up towards bridge the underdeck



Photo Number: 5

Photo Filename: 5

Attachment Description:

Under the western side of the bridge along the train tracks looking northeast towards the bridge pier



Photo Number: 6

Photo Filename: 6

Attachment Description:

Under the bridge along the train tracks mid span of bridge looking southwest towards the southern pier cap



Photo Number: 7

Photo Filename: 7

Attachment Description:

Under the eastern side of the bridge along the train tracks looking east towards the train tracks



Photo Number: 8

Photo Filename: 8

Attachment Description:

Under the eastern side of the bridge along the train tracks looking west towards train tracks and bridge



Photo Number: 9

Photo Filename: 9

Attachment Description:

Under the eastern side of the bridge along the train tracks looking north towards the bridge



Photo Number: 10

Photo Filename: 10

Attachment Description:

Under the bridge along the train tracks, mid span of bridge looking east towards the bridge pier



Photo Number: 11

Photo Filename: 11

Attachment Description:

Northwest corner under the bridge along the northern pier looking at the pier and abutment



Photo Number: 12

Photo Filename: 12

Attachment Description:

Southeastern corner under the bridge looking at the pier and abutment



Photo Number: 13

Photo Filename: 13

Attachment Description:

Southeastern corner under the bridge looking up at the bridge underdeck



Photo Number: 14

Photo Filename: 14

Attachment Description:

Northwestern corner under the bridge along the northern pier looking at the sign structure



Photo Number: 15

Photo Filename: 15

Attachment Description:

Under the west side of bridge
along the train tracks looking
south towards the abutment



Photo Number: 16

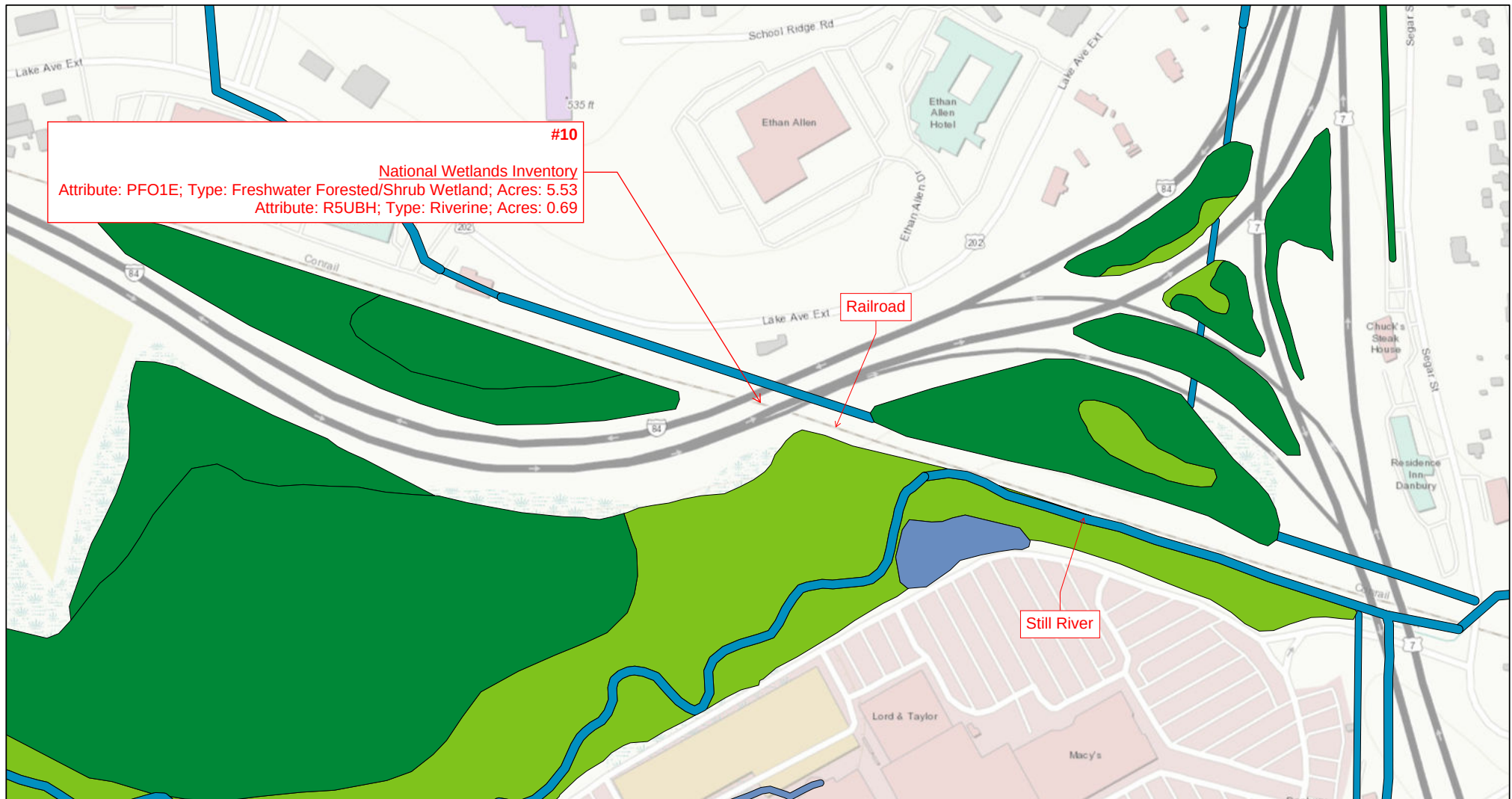
Photo Filename: 16

Attachment Description:

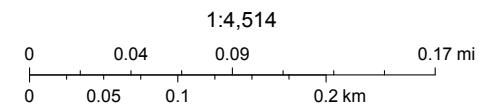
Northwestern corner under the
bridge along the northern pier
looking towards the northern
pier and abutment



#10 - NYSDEC

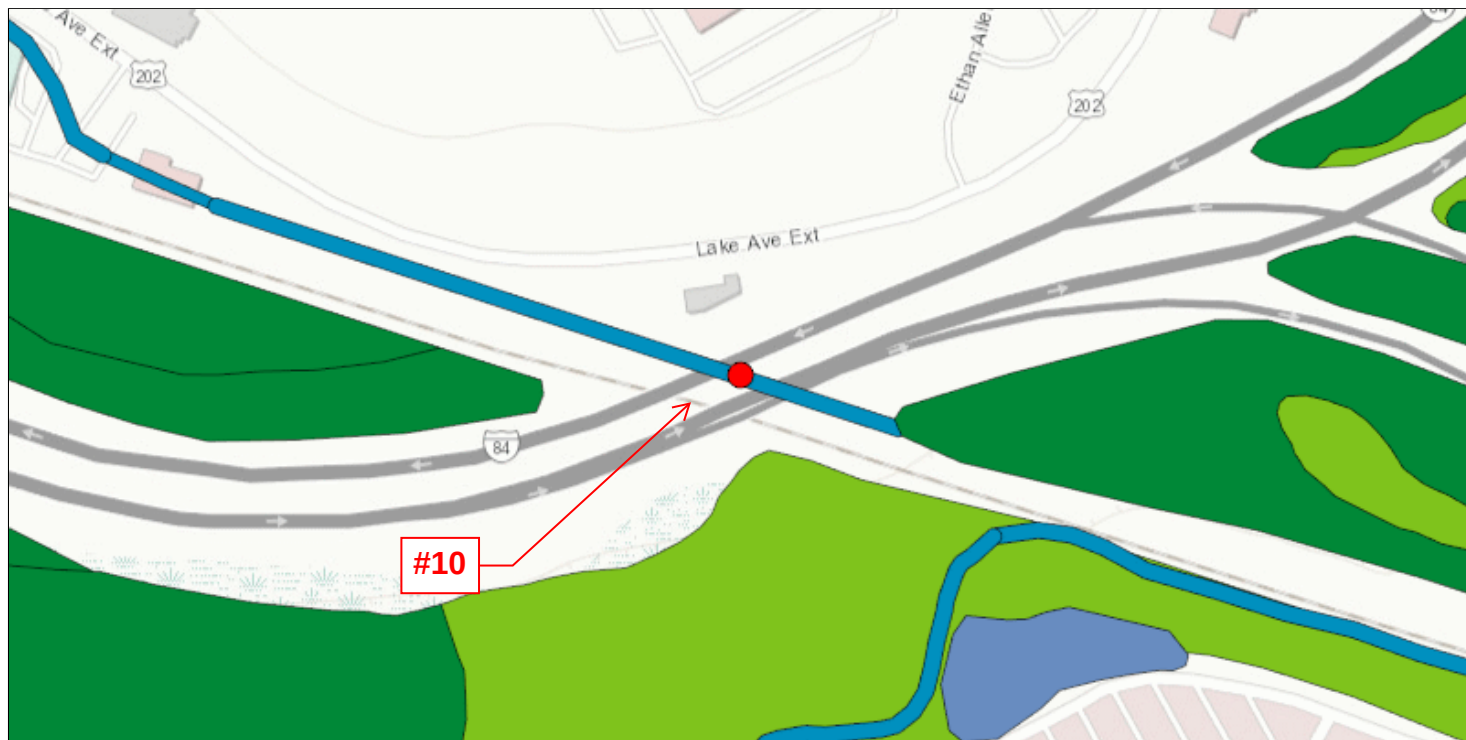


September 7, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 626944.6792793263	Northing: 4582509.47655958
Longitude/Latitude	Longitude: -73.48175412278795	Latitude: 41.3841100672147

The approximate address of the point you clicked on is:

I-84 W, Danbury, Connecticut, 06810

National Wetlands Inventory

Attribute: R5UBH

Type: Riverine

Acres: 0.696917371

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

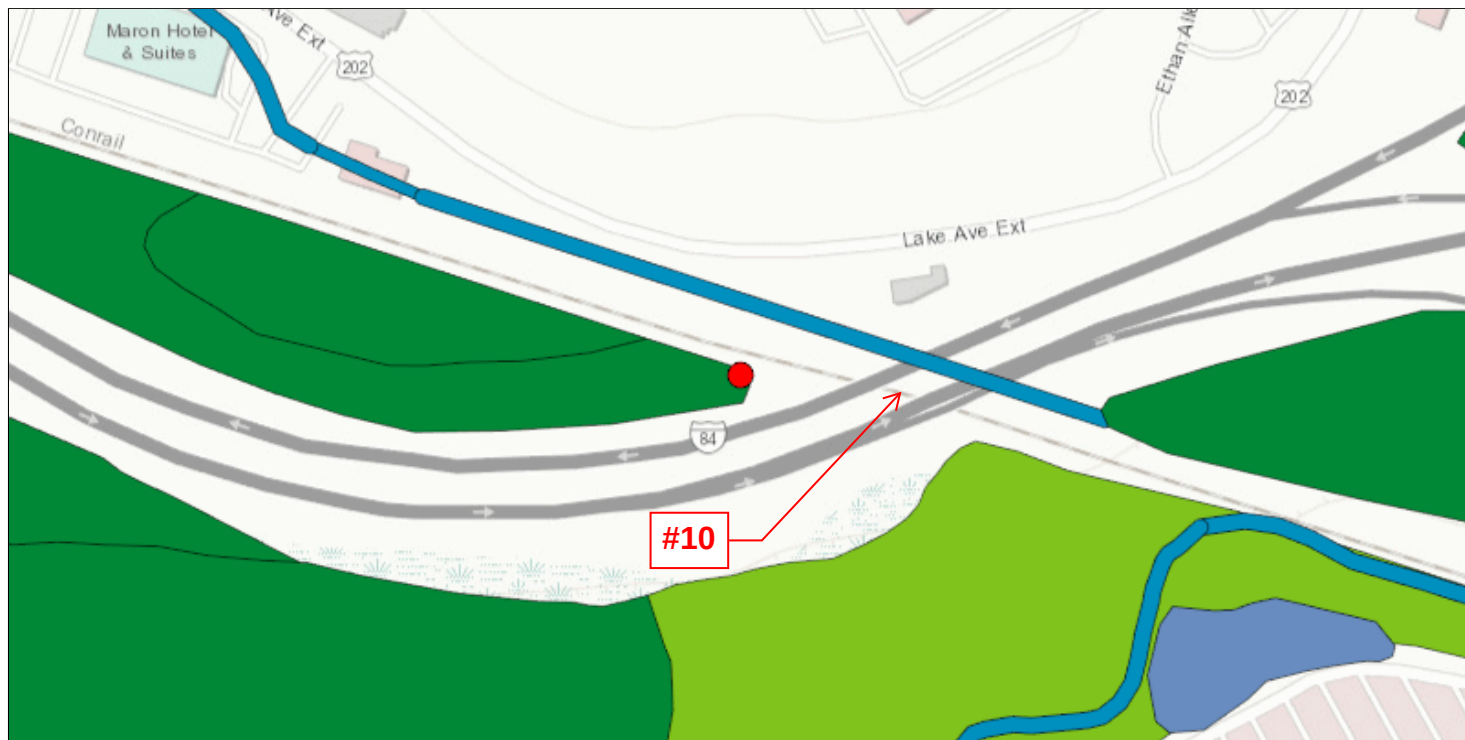
If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting:	626843.3860077362	Northing:	4582503.232496324
Longitude/Latitude	Longitude:	-73.48296648126258	Latitude:	41.384069818271854

The approximate address of the point you clicked on is:

I-84 W, Danbury, Connecticut, 06810

National Wetlands Inventory

Attribute: PFO1E

Type: Freshwater Forested/Shrub Wetland

Acres: 5.536920065

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code PFO1E:

- P** System **PALUSTRINE**: The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.
- FO** Class **FORESTED**: Characterized by woody vegetation that is 6 m tall or taller.
- 1** Subclass **Broad-Leaved Deciduous**: Woody angiosperms (trees or shrubs) with relatively wide, flat leaves that are shed during the cold or dry season; e.g., black ash (*Fraxinus nigra*).
- E** Water Regime **Seasonally Flooded/Saturated**: Surface water is present for extended periods (generally for more than a month) during the growing season, but is absent by the end of the season in most years. When surface water is absent, the substrate typically remains saturated at or near the surface.

Other Modifier(s):



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

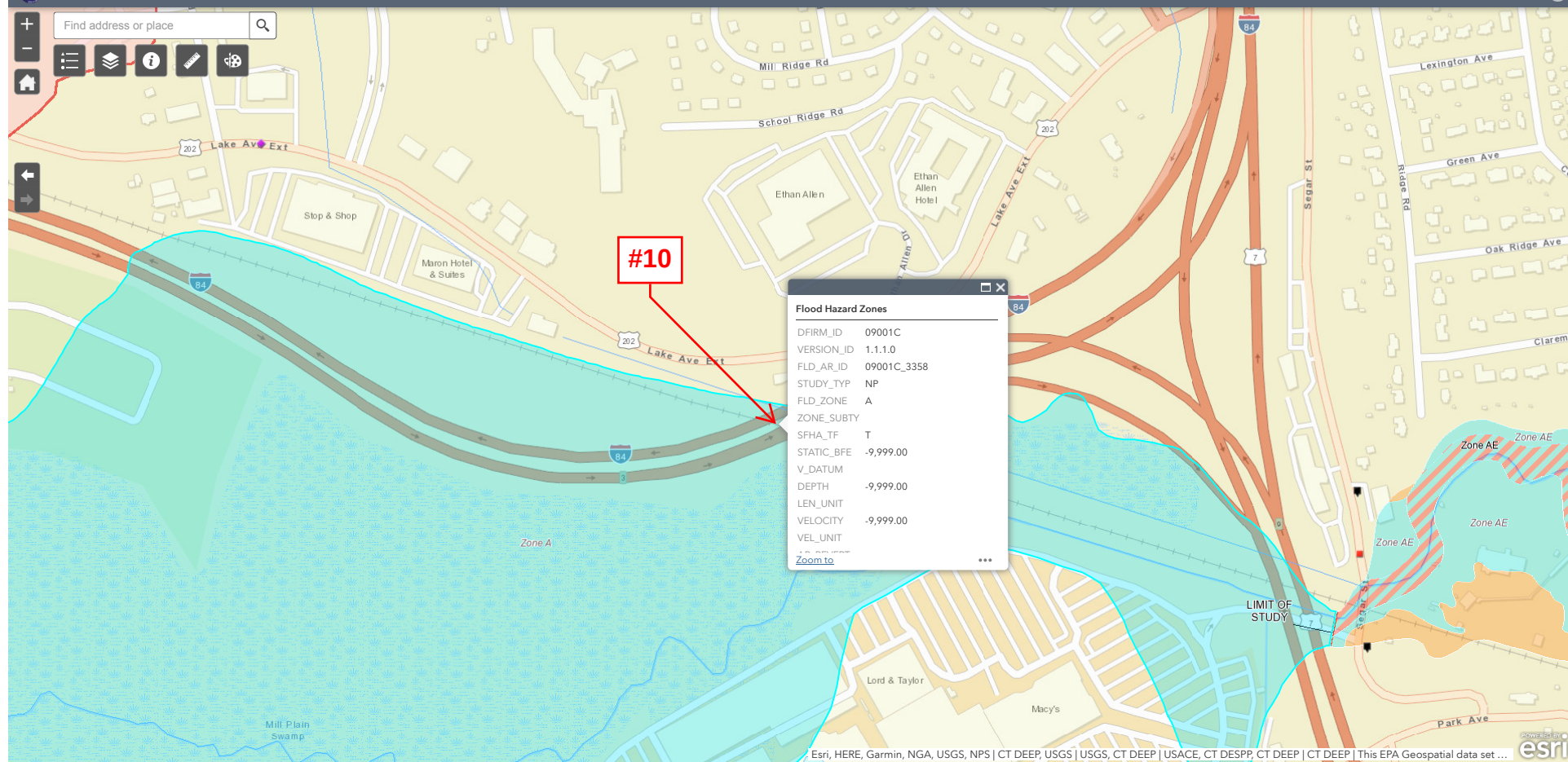
Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code **R5UBH** (this code does not meet the Federal Wetland Classification Standard, but is used in historic and/or scalable data):

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 5** Subsystem **UNKNOWN PERENNIAL**: This Subsystem designation was created specifically for use when the distinction between lower perennial, upper perennial, and tidal cannot be made from aerial photography and no data is available.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

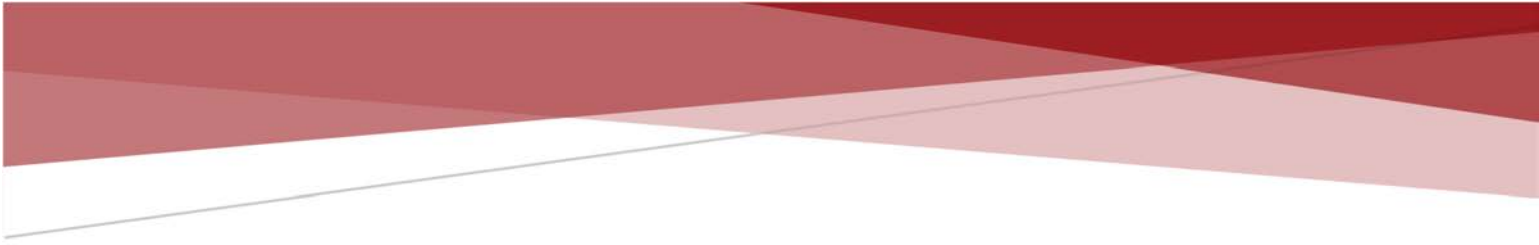
Other Modifier(s):



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #10:

- Location #10 is near multiple National Wetlands Inventory. One of which is a palustrine, forested, broad-leaved deciduous that is seasonally flooded/saturated and covers 5.53 acres. The Wetland is located approximately 250 ft away from the rail link
- Location #10 is near multiple National Wetlands Inventory. One of which is a riverine, unknown perennial, unconsolidated bottom that is permanently flooded and covers 0.69 acre. The Wetland is located approximately 80 ft away from the rail link
- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone A
- The natural diversity data base area in Danbury, CT shows that this area is in a marsh
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, this location has other glacial meltwater deposits with lower potential yield



LOCATION SITE #11

KC ENGINEERING
FEASIBILITY REPORT
INSPECTION DATE: SEPTEMBER 30, 2021

Structure Information

<i>BIN:</i> 04290 <i>Feature Crossed:</i> HRRC, STILL RV, MALL ACC. <i>Feature Carried:</i> US Route 6 NB <i>Type of Crossing:</i> UNDERGRADE <i>Bridge Mile:</i> 21.17 <i>Skew (°):</i> 34.00 <i>Type of Bridge Structure:</i> I-Beam <i>Type of Deck:</i> Concrete Slab <i>Number of Spans:</i> 4 <i>Length of Span(ft):</i> 322 <i>Out-To-Out Width (ft.):</i> 56.00	<i>Site:</i> 11 <i>Location:</i> South of I-84 Exit 3 <i>County:</i> Fairfield <i>City:</i> Danbury <i>Approximate Year Built:</i> 1962 <i>Primary Owner:</i> CTDOT <i>Maintenance Responsibility:</i> CTDOT (Framework & Abutments) <i>Maintenance Responsibility:</i> CTDOT (Roadway & Approaches)
---	---

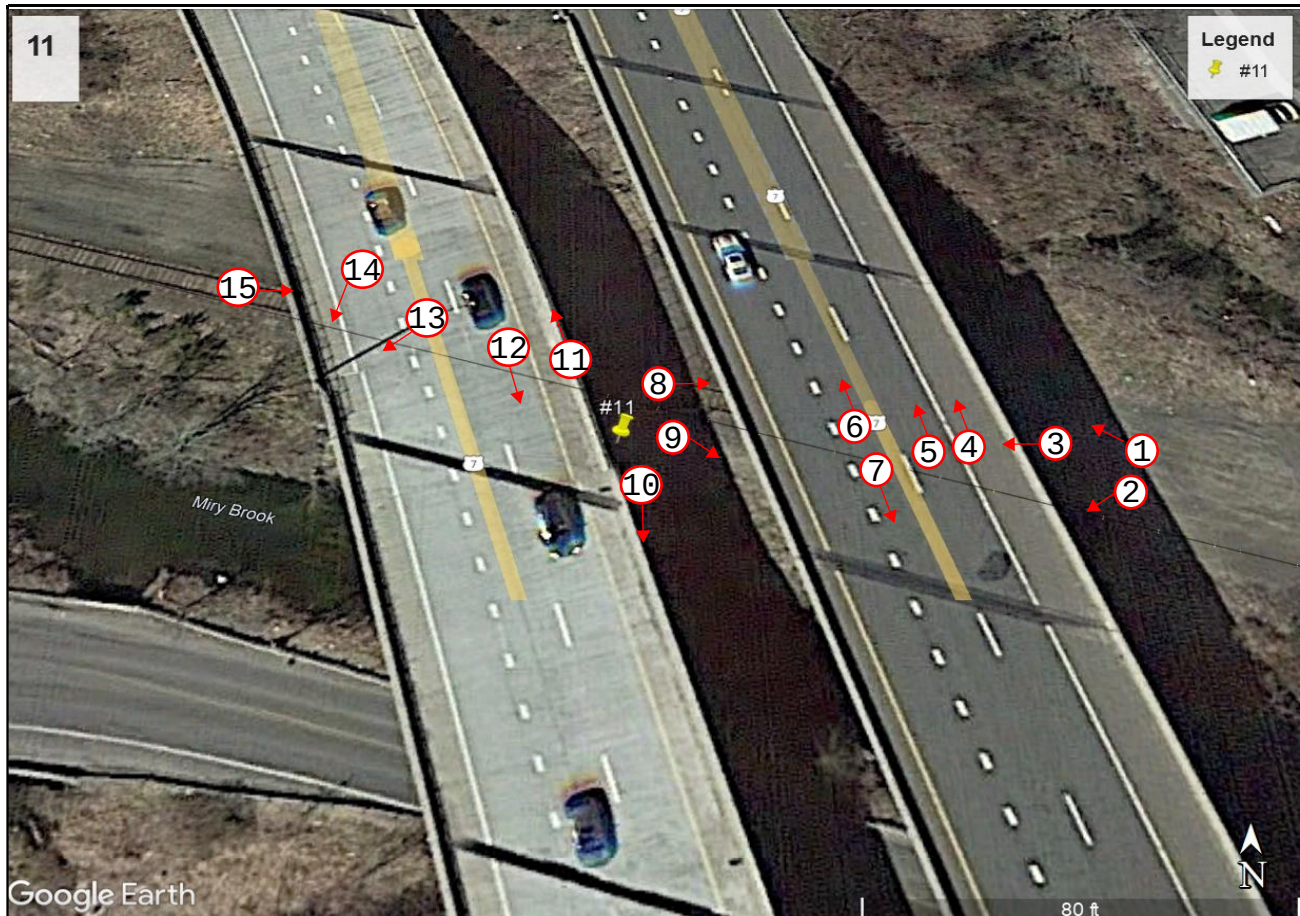
Railroad Information

Railroad Line: Housatonic RR
Number of Tracks: 1
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
Clear Dist. To North of Track to E-bridge(ft.): ~44
Clear Dist. To South of Track to E-bridge(ft.): ~30
Clear Dist. To North of Track to W-bridge(ft.): ~27
Clear Dist. To South of Track to E-bridge(ft.): ~48

Notable Features

Utilities carried on bridge: Typical drainage pipes
Utilities parallel to the bridge: None seen
Vertical Clearance less than legal minimum (ft): NA
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - US-7, Danbury, CT
Inspectors: RR, BL	



Bridge site #11 under US-7

Minor corrosion on underside of steel beams on bridge

Moderate vegetation by the piers

Photo Number: 1

Photo Filename: 1

Attachment Description:
Under the eastern side of the
bridges along the train tracks
looking west towards the bridge
and train tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:
Under the eastern side of the
bridges along the train tracks
looking southwest towards the
bridge



Photo Number: 3

Photo Filename: 3

Attachment Description:

Under the eastern side of the bridges along the train tracks looking southwest towards the bridge spans and middle piers



Photo Number: 4

Photo Filename: 4

Attachment Description:

Under the eastern side of the bridges along the train tracks looking northwest towards the bridge spans and northern piers



Photo Number: 5

Photo Filename: 5

Attachment Description:

Under the eastern bridge along the train tracks looking up towards the superstructure



Photo Number: 6

Photo Filename: 6

Attachment Description:

Midspan under the eastern bridge along the train tracks looking up towards the superstructure and northern pier



Photo Number: 7

Photo Filename: 7

Attachment Description:
Midspan under the eastern bridge
along the train tracks looking up
towards the superstructure and
southern pier



Photo Number: 8

Photo Filename: 8

Attachment Description:
Between both bridges, near
midspan looking east towards
the train tracks



Photo Number: 9

Photo Filename: 9

Attachment Description:
In between both spans looking
southeast towards the piers
and the creek



Photo Number: 10

Photo Filename: 10

Attachment Description:
In between both spans looking
southwest towards the creek



Photo Number: 11

Photo Filename: 11

Attachment Description:

East under West bridge looking N-
W towards bridge pier



Photo Number: 12

Photo Filename: 12

Attachment Description:

East under West bridge looking
South towards bridge pier



Photo Number: 13

Photo Filename: 13

Attachment Description:

Under the middle of the western bridge looking up in the southwestern direction towards the drainage pipe



Photo Number: 14

Photo Filename: 14

Attachment Description:

Looking west of from the western bridge towards a cut down utility pole



Photo Number: 15

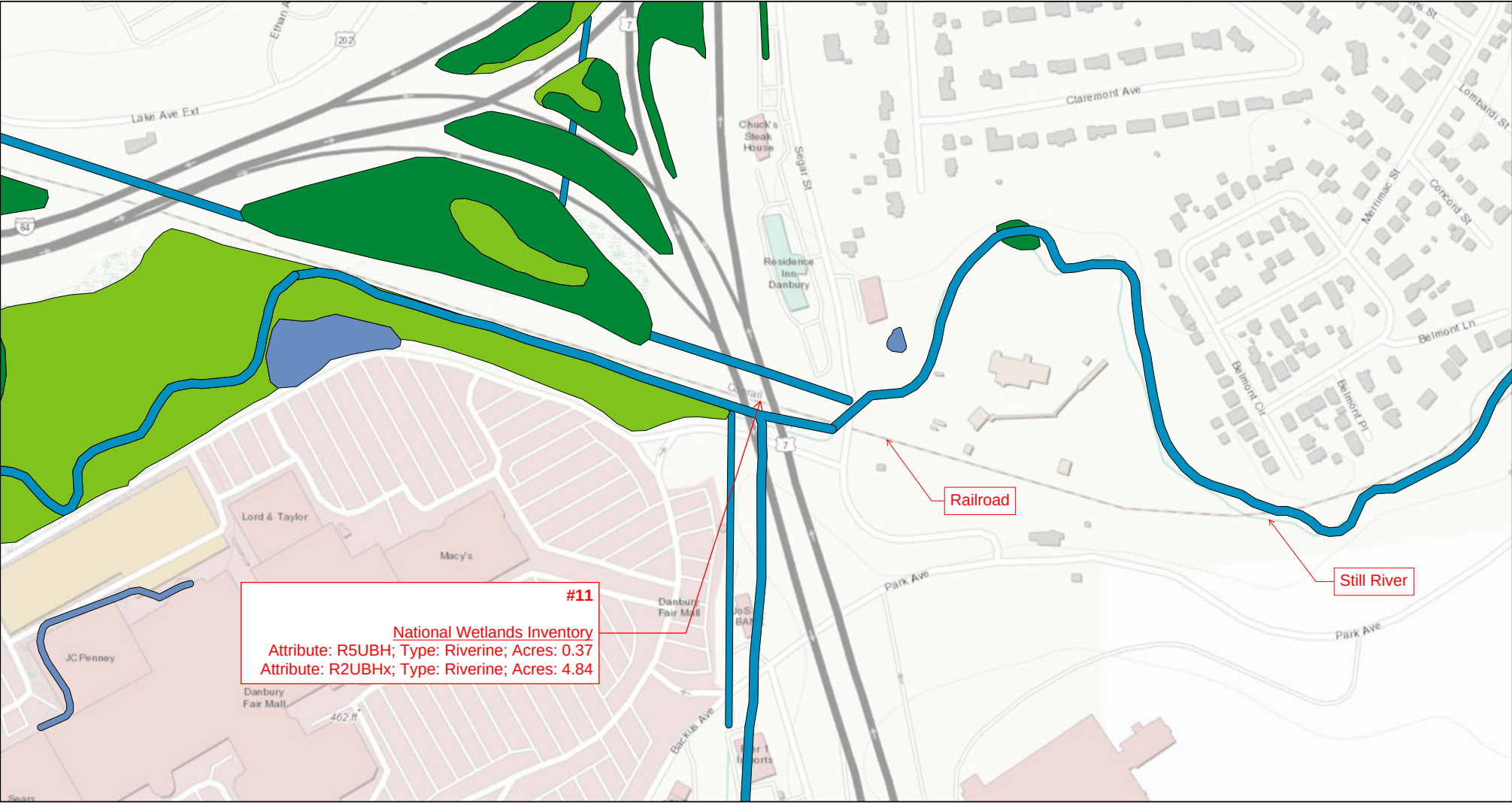
Photo Filename: 15

Attachment Description:

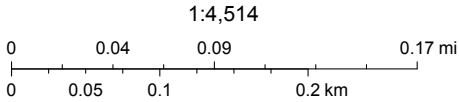
Under the western side of the bridges along the train tracks looking east towards the bridge and train tracks



#11 - NYSDEC



September 7, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 627478.5418067756

Northing: 4582360.614659284

Longitude/Latitude

Longitude: -73.47540265184129

Latitude: 41.38268523946874

The approximate address of the point you clicked on is:

US-7 N, Danbury, Connecticut, 06810

National Wetlands Inventory

Attribute: R5UBH

Type: Riverine

Acres: 0.373554284

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

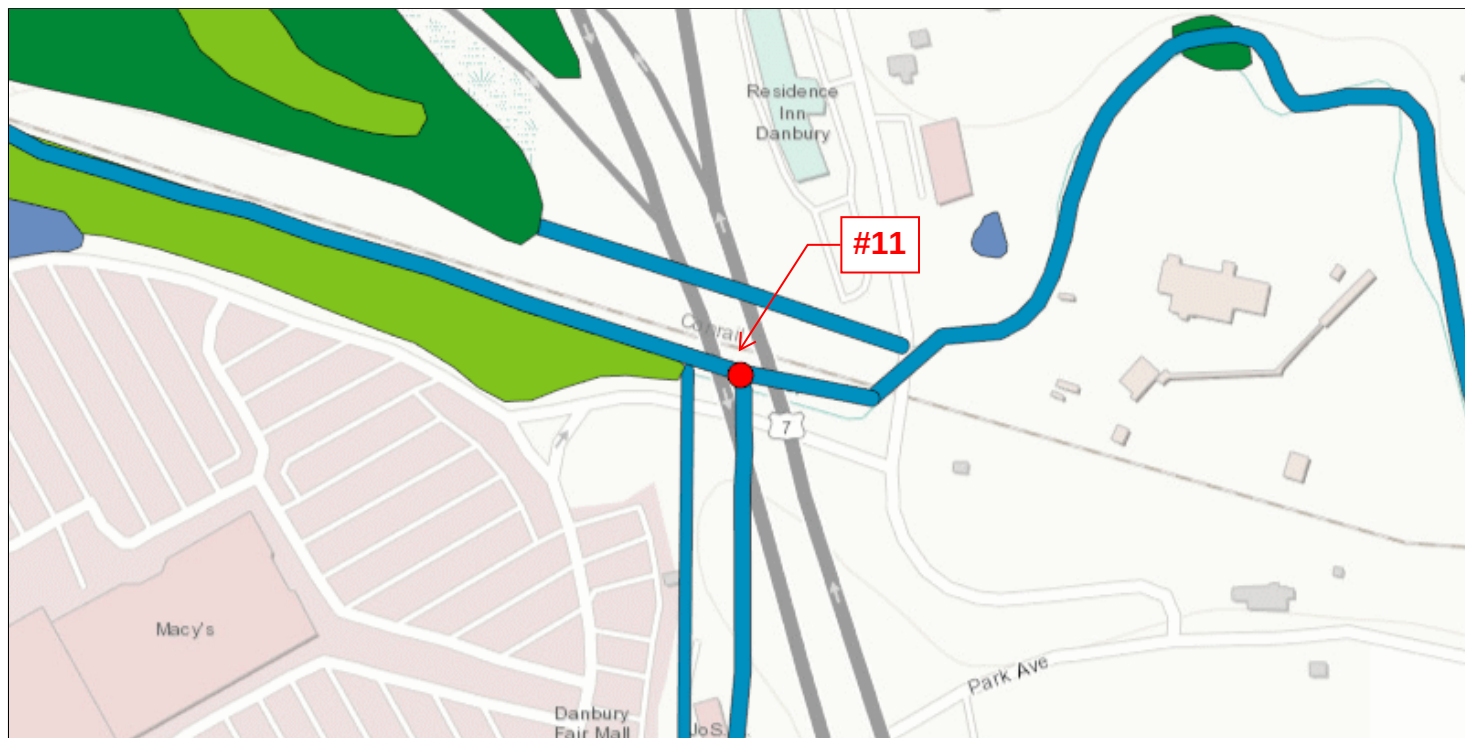
If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 627490.1249382895

Northing: 4582314.330388842

Longitude/Latitude

Longitude: -73.47527390580858

Latitude: 41.38226664007341

The approximate address of the point you clicked on is:

US-7 S, Danbury, Connecticut, 06810

National Wetlands Inventory

Attribute: R2UBHx

Type: Riverine

Acres: 4.844163452

For more information about the National Wetlands Inventory wetlands visit <https://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code **R5UBH** (this code does not meet the Federal Wetland Classification Standard, but is used in historic and/or scalable data):

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 5** Subsystem **UNKNOWN PERENNIAL**: This Subsystem designation was created specifically for use when the distinction between lower perennial, upper perennial, and tidal cannot be made from aerial photography and no data is available.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

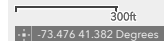
[CLICK HERE TO DECODE](#)

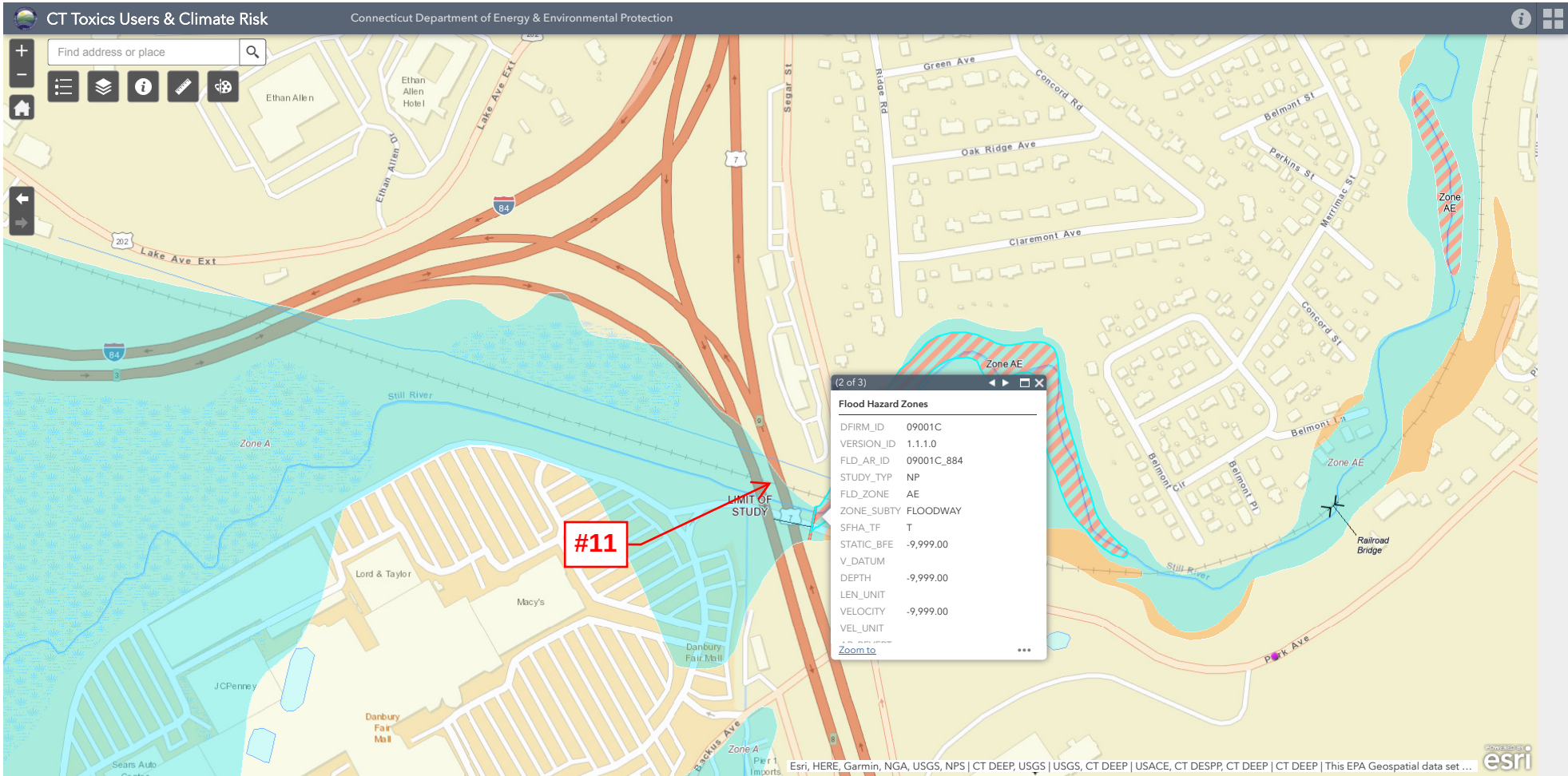
Description for code R2UBHx:

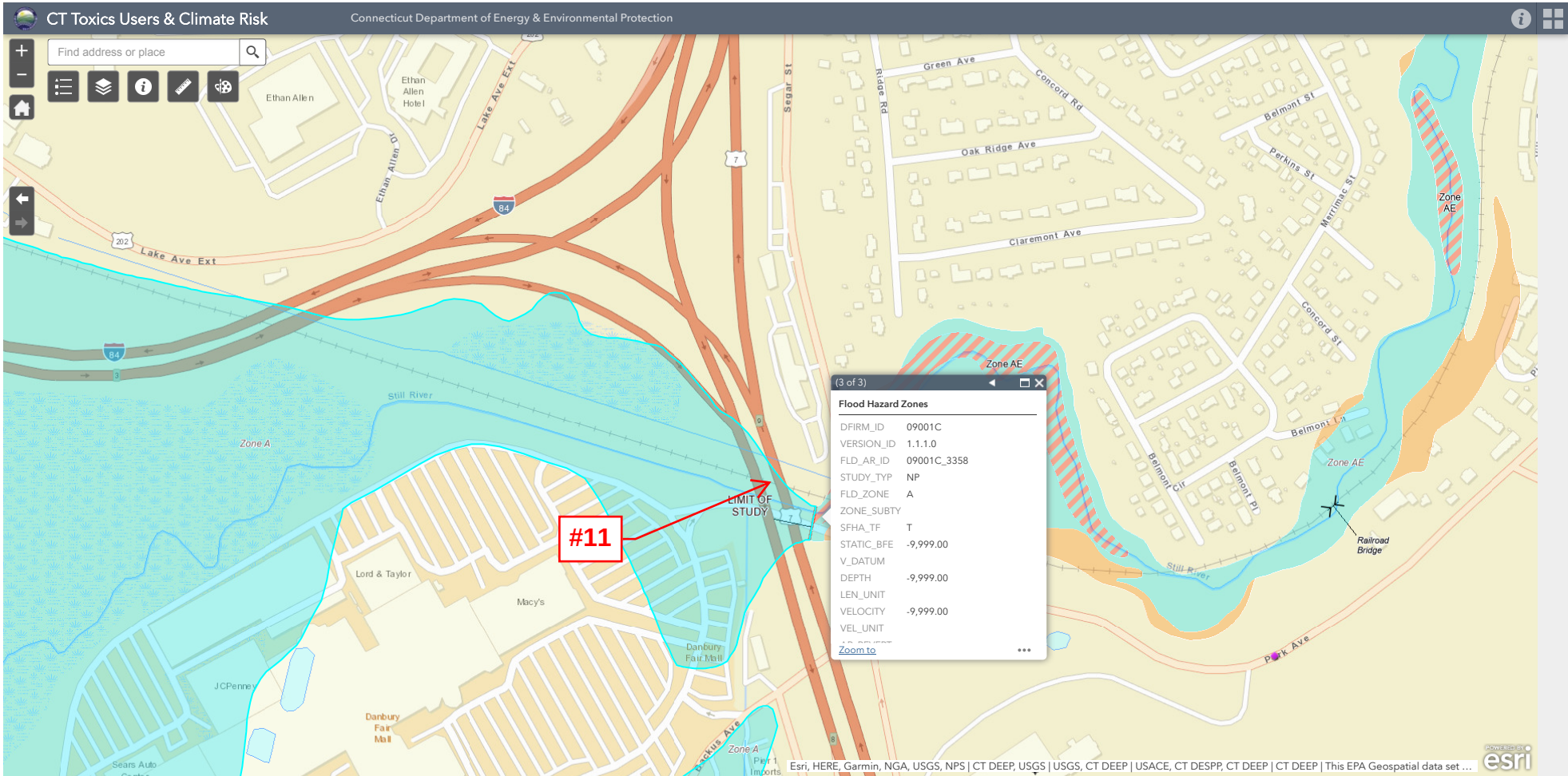
- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 2** Subsystem **LOWER PERENNIAL**: This Subsystem is characterized by a low gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists mainly of sand and mud. Oxygen deficits may sometimes occur. The fauna is composed mostly of species that reach their maximum abundance in still water, and true planktonic organisms are common. The gradient is lower than that of the Upper Perennial Subsystem and the floodplain is well developed.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):

- x** SPECIAL MODIFIER **Excavated**: This Modifier is used to identify wetland basins or channels that were excavated by humans.



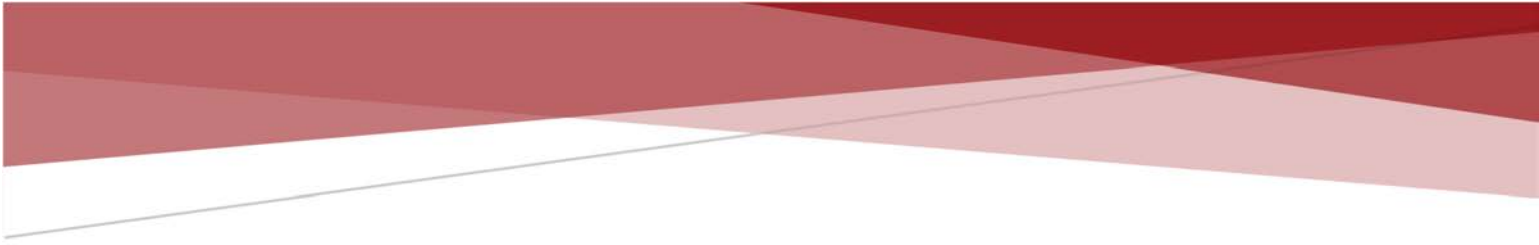




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #11:

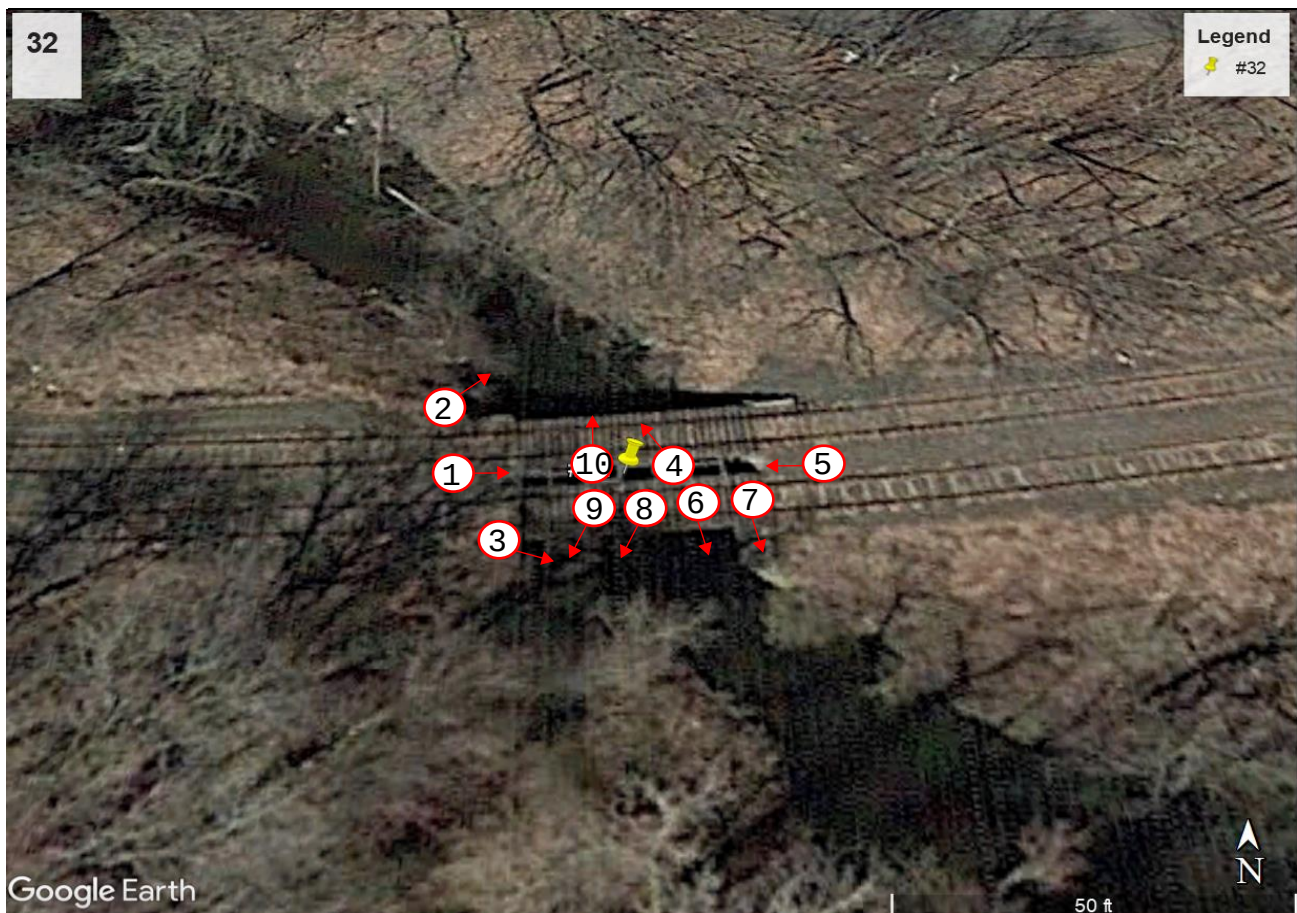
- Location #11 is near multiple National Wetlands Inventory. One of which is a riverine, unknown perennial, unconsolidated bottom that is permanently flooded and covers 0.37 acre. The Wetland is located approximately 100 ft away from the rail link
- Location #11 is near multiple National Wetlands Inventory. One of which is a riverine, lower perennial, unconsolidated bottom that is permanently flooded and excavated and covers 4.84 acres. The Wetland is located approximately 40 ft away from the rail link
- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in multiple Flood Hazard Zones including Zone AE and Zone A
- The natural diversity data base area in Danbury, CT shows that this area is in a marsh
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, this location has other glacial meltwater deposits with lower potential yield



LOCATION SITE #32

Eco/water site crosses the Still River to the east of the Danbury Fair in Connecticut. There are two sets of train tracks that run in the east-west direction across the Still River on a steel girder bridge. There is light vegetation on the tracks. Utility poles can be seen along the south side of the site. To the west of the site, there is a parking lot for a masonry supply store.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY			
Date: 09/30/21	LOCATION	Still River by Danbury Fair, Danbury, CT	Sheet ____ of ____
Inspectors: RR, BL			



Eco/water site #32 over the Still River in Danbury, CT

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

West of the bridge, looking
east at the bridge



Photo Number: 2

Photo Filename: 2

Attachment Description:

West of the bridge, looking
northeast at the water



Photo Number: 3

Photo Filename: 3

Attachment Description:

West of the bridge, looking
southeast at the water



Photo Number: 4

Photo Filename: 4

Attachment Description:

On the north side of the
tracks, looking north at the
water

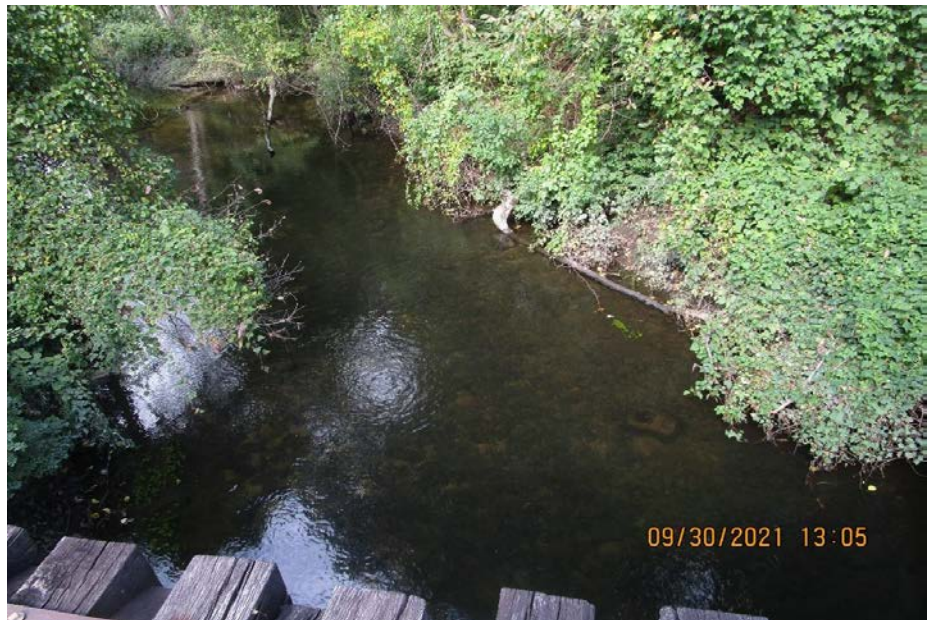


Photo Number: 5

Photo Filename: 5

Attachment Description:

East of the bridge,
looking west at the tracks



Photo Number: 6

Photo Filename: 6

Attachment Description:

On the south side of the
tracks, looking south at the
water



Photo Number: 7

Photo Filename: 7

Attachment Description:

On the south side of the tracks, looking southeast at the east abutment



Photo Number: 8

Photo Filename: 8

Attachment Description:

On the south side of the tracks, looking southwest at the west abutment

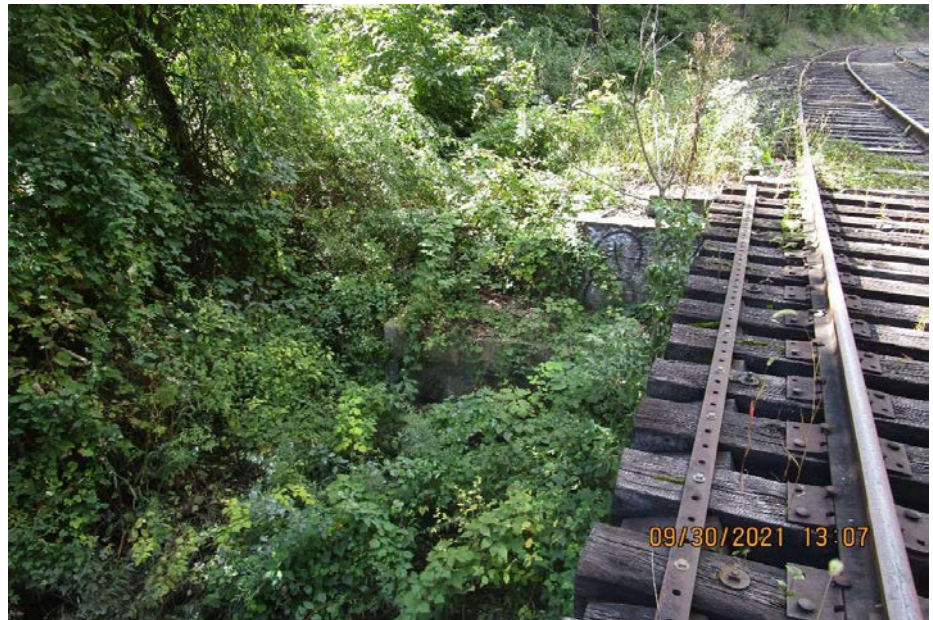


Photo Number: 9

Photo Filename: 9

Attachment Description:

On the south side of the tracks, looking southwest at the utility poles



Photo Number: 10

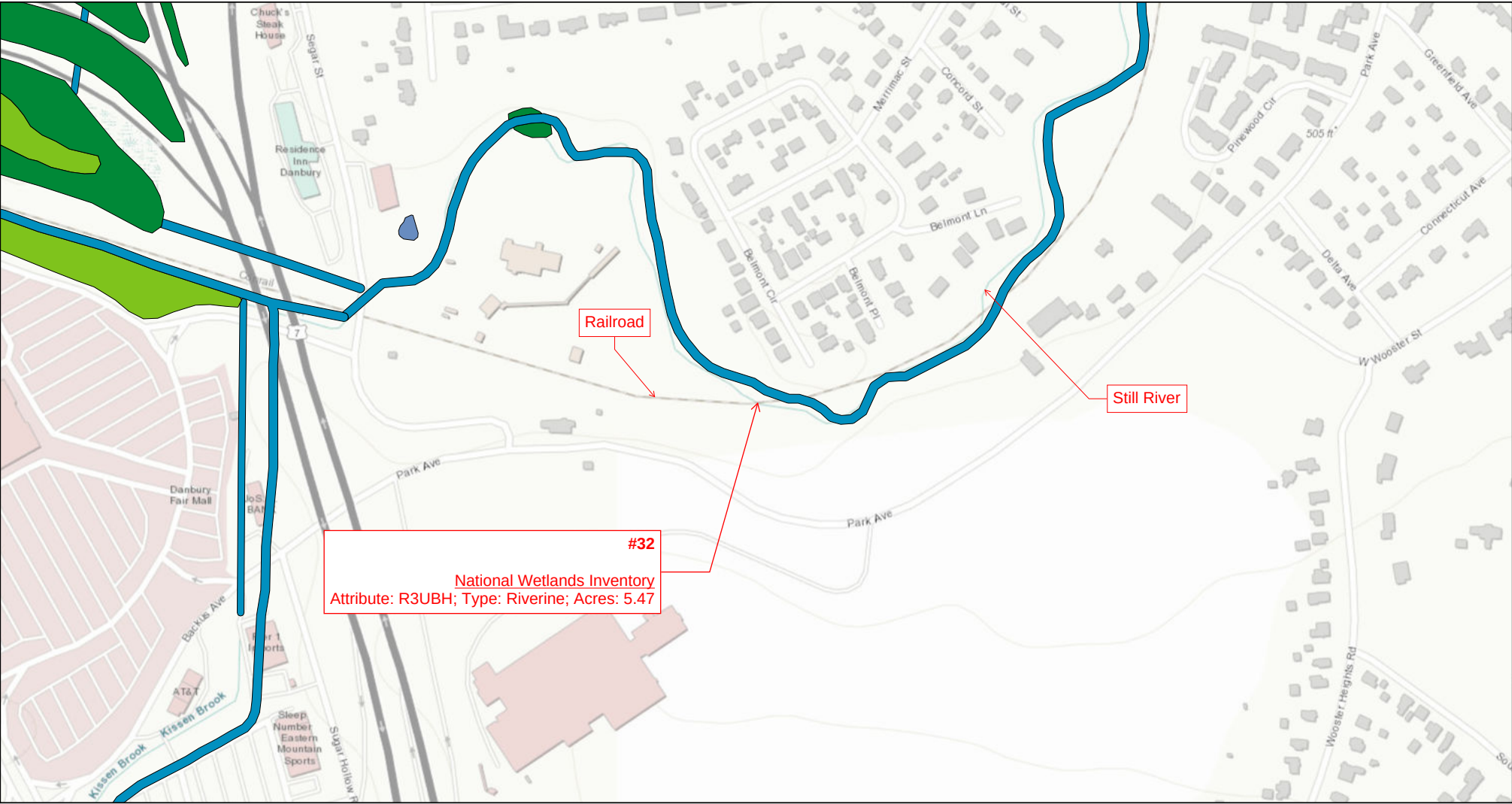
Photo Filename: 10

Attachment Description:

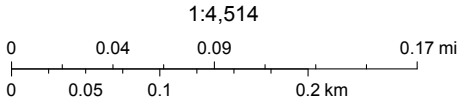
On the south side of the tracks, looking down at the bridge girder



#32 - NYSDEC

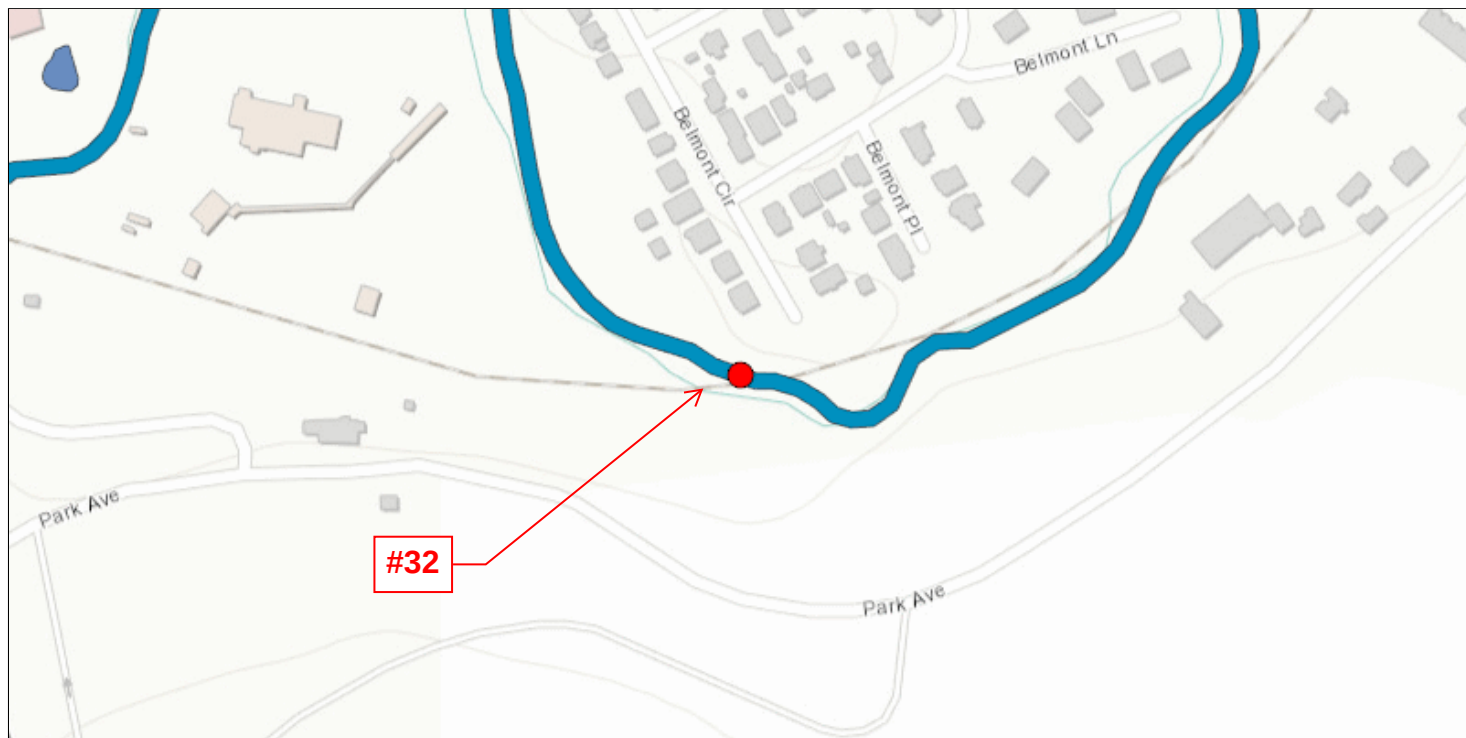


September 7, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 627947.2975440276	Northing: 4582241.034369601
Longitude/Latitude	Longitude: -73.46982365709077	Latitude: 41.38153408464781

The approximate address of the point you clicked on is:

43 Belmont Cir, Danbury, Connecticut, 06810

National Wetlands Inventory

Attribute: R3UBH

Type: Riverine

Acres: 5.473392209

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R3UBH:

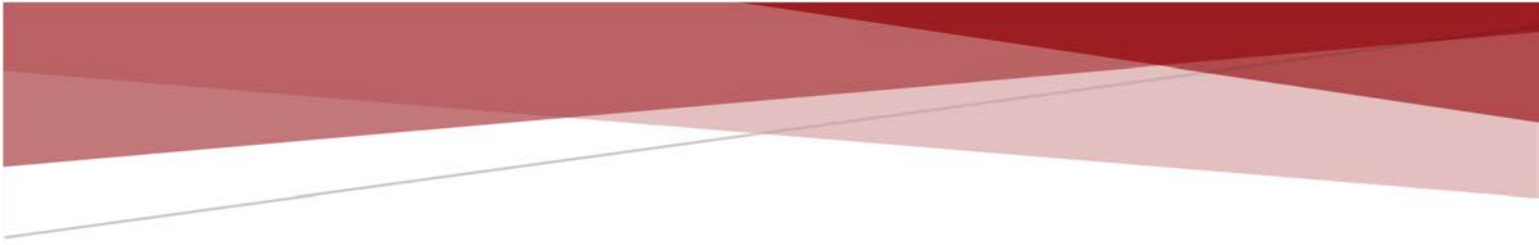
- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 3** Subsystem **UPPER PERENNIAL**: This Subsystem is characterized by a high gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists of rock, cobbles, or gravel with occasional patches of sand. The natural dissolved oxygen concentration is normally near saturation. The fauna is characteristic of running water, and there are few or no planktonic forms. The gradient is high compared with that of the Lower Perennial Subsystem, and there is very little floodplain development.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #32:

- Location #32 is near a National Wetlands Inventory which is a riverine, upper perennial, unconsolidated bottom, that is permanently flooded and covers 5.47 acres. The Wetland is located approximately 40 ft away from the rail link
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet

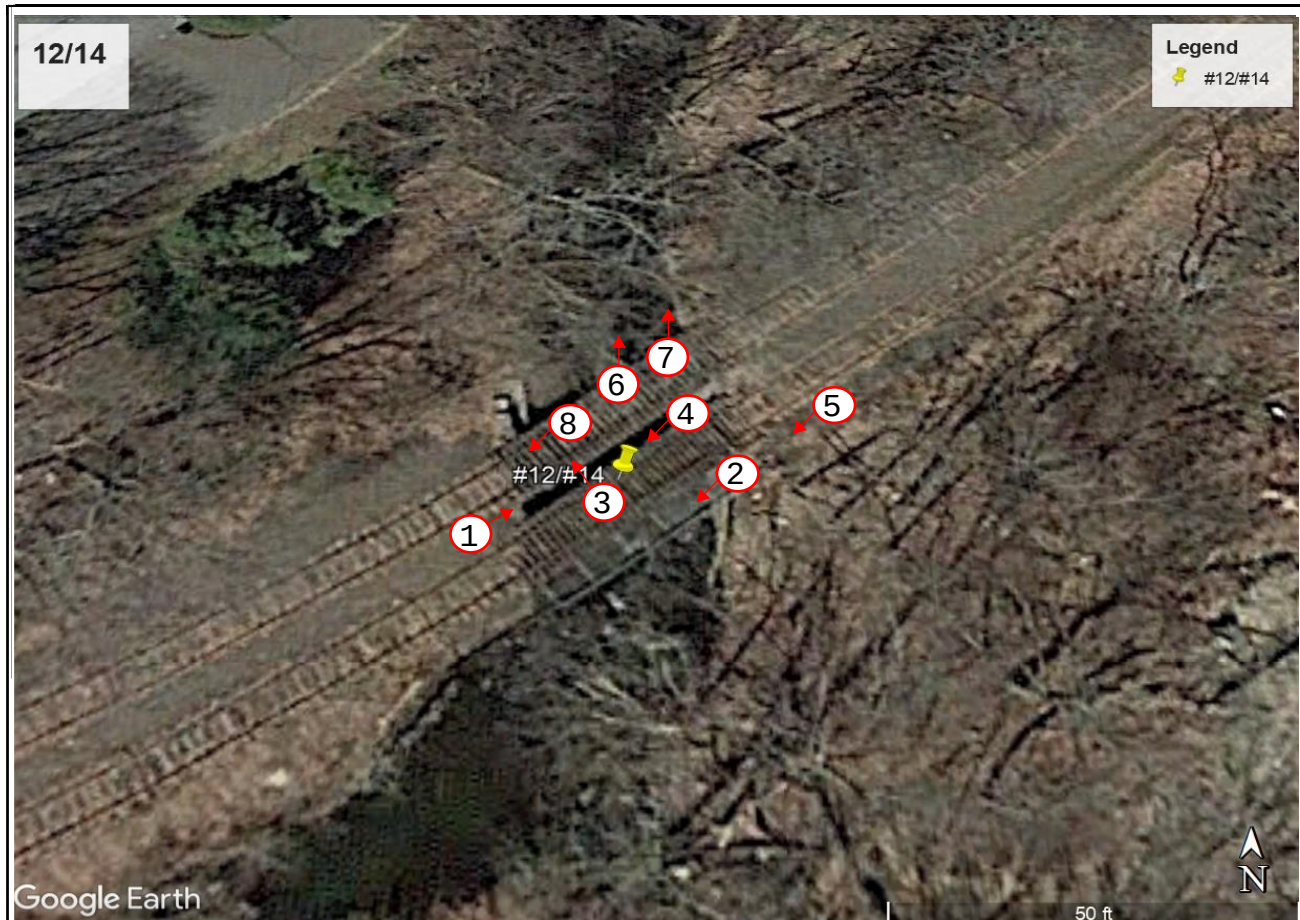


LOCATION SITE #12/#14

BRIDGE SITE #12/14

Bridge site #12/#14 crosses the Still River by Belmont Lane in Danbury, Connecticut. There are two sets of train tracks that run in the east-west direction across the Still River on a steel girder bridge. there is light vegetation on the tracks. There is a steel grate platform and a railing along the south tracks for access across the bridge.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY			
Date: 09/30/21	LOCATION	Still River by Belmont Lane, Danbury, CT	Sheet ____ of ____
Inspectors: RR, BL			



Bridge site #12/#14 crosses Still River

Approximate span is 40'

Light vegetation on both eastbound and westbound tracks

Steel grate platform is present on the southern tracks

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:
West of the bridge looking
east towards the bridge



Photo Number: 2

Photo Filename: 2

Attachment Description:
East of the bridge looking
southwest at the water



Photo Number: 3

Photo Filename: 3

Attachment Description:

On the southern tracks
looking down at the bridge
girder



Photo Number: 4

Photo Filename: 4

Attachment Description:

East of the bridge looking
west at the bridge



Photo Number: 5

Photo Filename: 5

Attachment Description:

East of the bridge looking
west at the 4' wide steel
grating platform



Photo Number: 6

Photo Filename: 6

Attachment Description:

On the northern tracks
looking north towards the
water



Photo Number: 7

Photo Filename: 7

Attachment Description:

On the northern tracks
looking northeast at the
water



Photo Number: 8

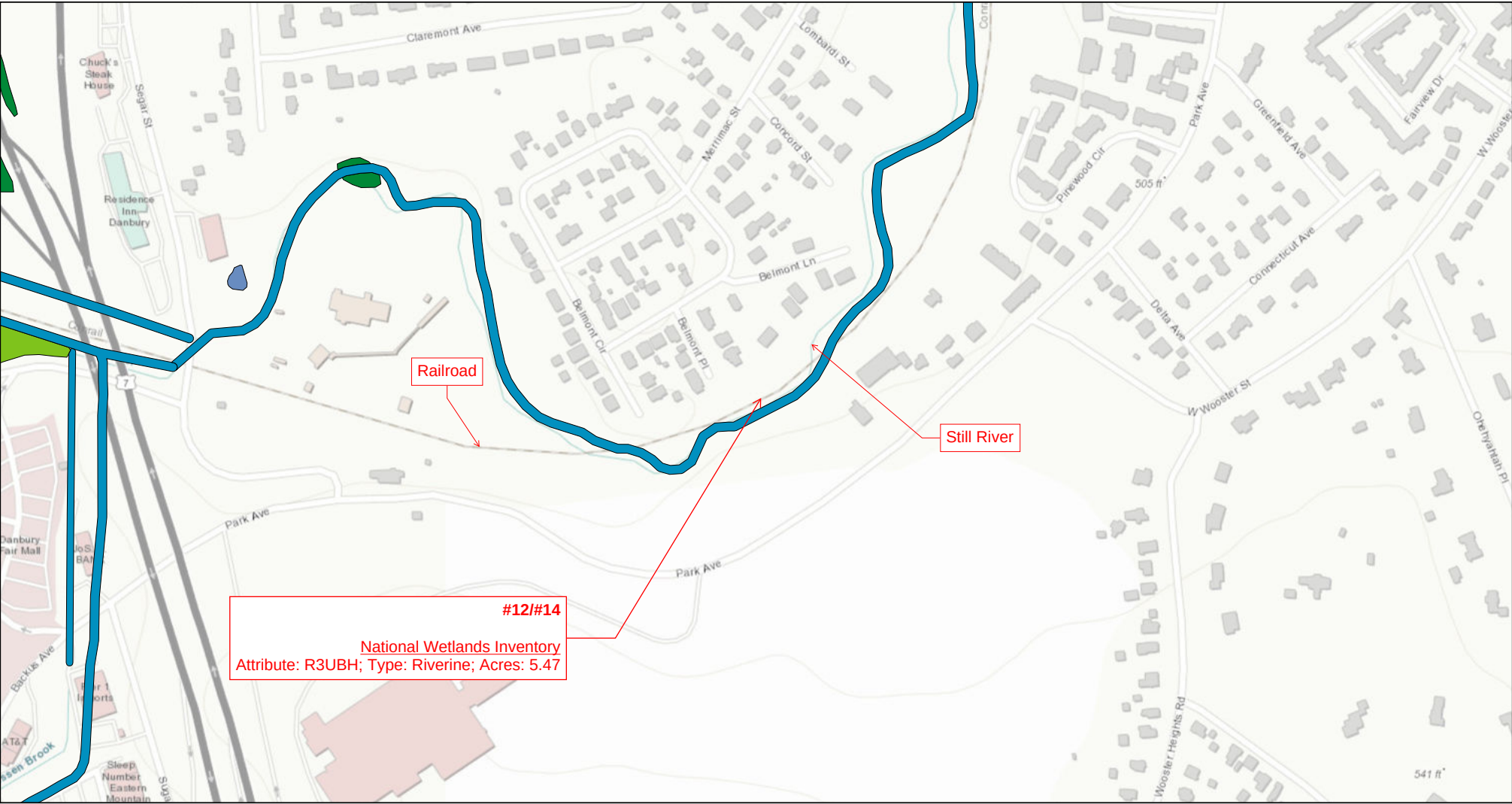
Photo Filename: 8

Attachment Description:

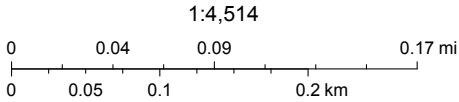
On the northern tracks
looking west



#12/#14 - NYSDEC

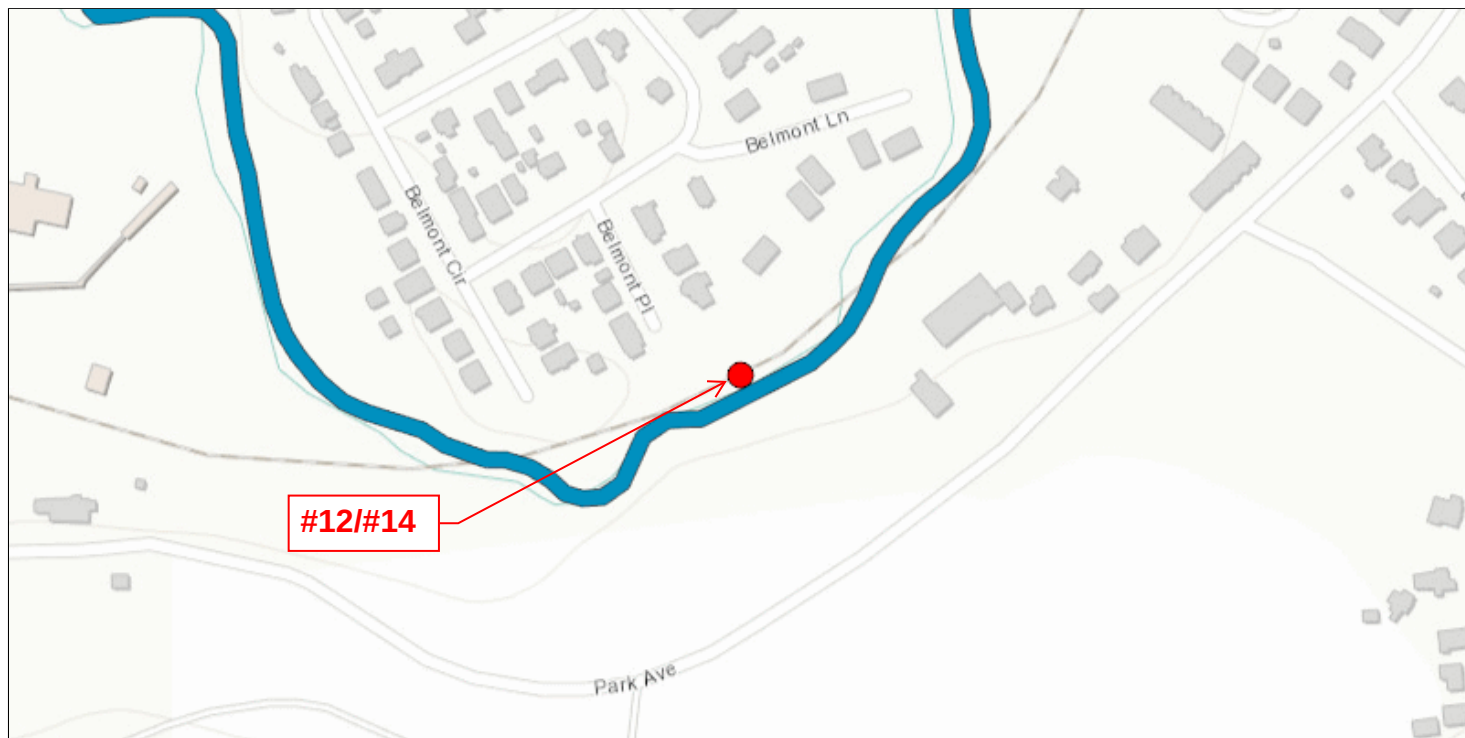


September 7, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 628078.4961717842

Northing: 4582281.795058966

Longitude/Latitude

Longitude: -73.46824651819016

Latitude: 41.38188023823995

The approximate address of the point you clicked on is:

2 Belmont Pl, Danbury, Connecticut, 06810

National Wetlands Inventory

Attribute: R3UBH

Type: Riverine

Acres: 5.473392209

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

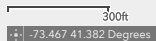
Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

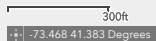
[CLICK HERE TO DECODE](#)

Description for code R3UBH:

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 3** Subsystem **UPPER PERENNIAL**: This Subsystem is characterized by a high gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists of rock, cobbles, or gravel with occasional patches of sand. The natural dissolved oxygen concentration is normally near saturation. The fauna is characteristic of running water, and there are few or no planktonic forms. The gradient is high compared with that of the Lower Perennial Subsystem, and there is very little floodplain development.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):

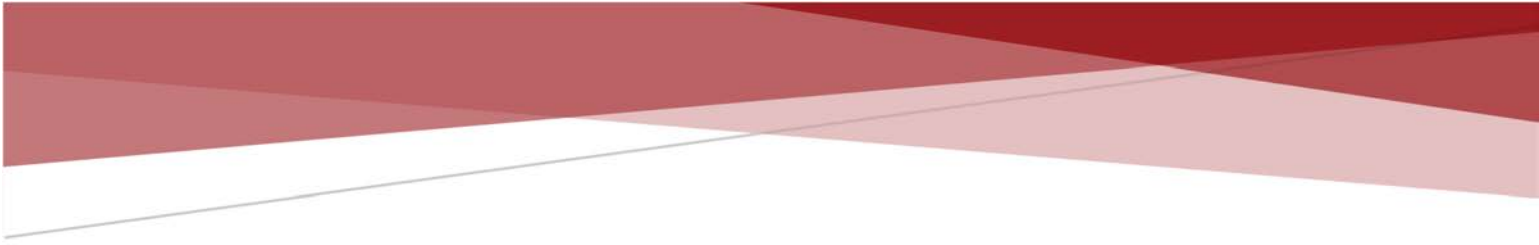




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #12/#14:

- Location #12/#14 is near a National Wetlands Inventory which is a riverine, upper perennial, unconsolidated bottom, that is permanently flooded and covers 5.47 acres. The Wetland is located approximately 40 ft away from the rail link
- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone AE and has a NFHL General Bridge Structure
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet



LOCATION SITE #13

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 30, 2021

Structure Information

<i>BIN:</i> NA <i>Feature Crossed:</i> West Street <i>Feature Carried:</i> Housatonic RR <i>Bridge Mile:</i> Unknown <i>Skew (°):</i> 0.00 <i>Type of Bridge Structure:</i> I-Beam <i>Type of Deck:</i> Open Floor <i>Number of Spans:</i> 1 <i>Length of Span(ft):</i> ~72 <i>Center-Center Beam Width (ft):</i> 26.60 <i>Width Girder (ft):</i> 3.00 <i>Out-To-Out Width (ft.):</i> 29.50	<i>Site:</i> 13 <i>County:</i> Fairfield <i>City:</i> Danbury <i>Approximate Year Built:</i> Unknown <i>Primary Owner:</i> Housatonic <i>Maintenance Responsibility:</i> Housatonic (Framework & Abutments) <i>Maintenance Responsibility:</i> Housatonic (Roadway & Approaches)
---	---

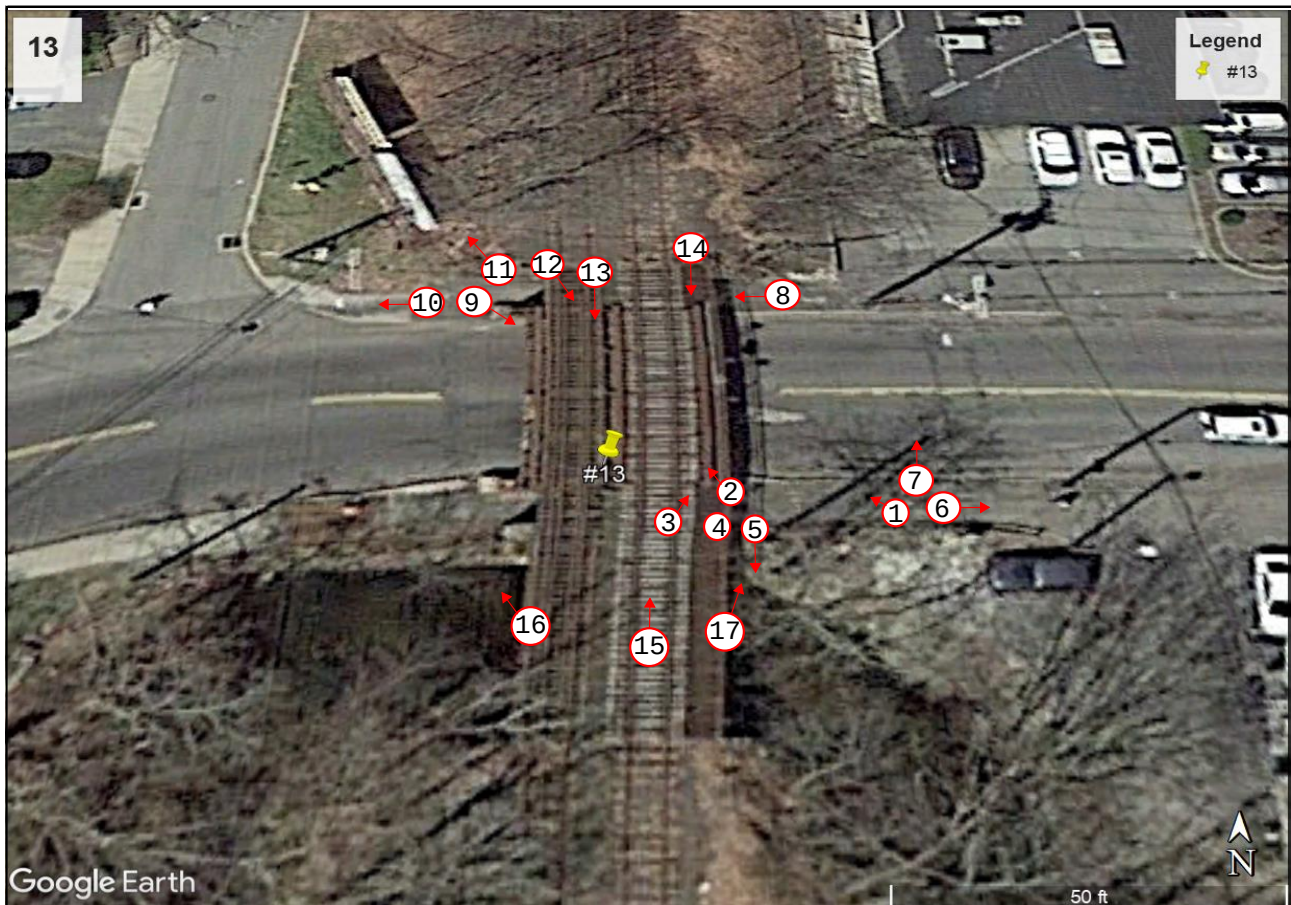
Railroad Information

Railroad Line: Housatonic RR
Number of Tracks: 2
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
Clear Dist. Between Rails 8.25
Clear Dist. To East of Track (ft.): ~3.75

Notable Features

Utilities carried on bridge: None
Utilities parallel to the bridge: None
Vertical Clearance less than legal minimum (ft): NA
Vegetation: Light
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - 131-137 West Street, Danbury, CT
Inspectors: RR, BL	



26'-6" center to center beam spacing

29'-6" out to out width

Moderate corrosion on the steel beams

BIN: 7345730 Feasibility Report
Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:
Southeast of bridge looking
northwest towards the bridge



Photo Number: 2

Photo Filename: 2

Attachment Description:
Under the middle pier
looking north towards the
bridge underdeck



Photo Number: 3

Photo Filename: 3

Attachment Description:

Under the middle pier looking north
towards the corroded truss



Photo Number: 4

Photo Filename: 4

Attachment Description:

Under the middle pier looking
up at the gusset plate
connection



Photo Number: 5

Photo Filename: 5

Attachment Description:

From the eastern side of the bridge at the middle pier looking southwest towards the bridge abutment



Photo Number: 6

Photo Filename: 6

Attachment Description:

From the eastern side of the bridge looking east towards the utility pole



Photo Number: 7

Photo Filename: 7

Attachment Description:

From the eastern side of the bridge
looking north towards the utility pole



Photo Number: 8

Photo Filename: 8

Attachment Description:

Northeastern corner of the
bridge looking west towards the
bridge abutment and sidewalk



Photo Number: 9

Photo Filename: 9

Attachment Description:
Northwestern corner of the bridge
looking southeast towards the
bridge



Photo Number: 10

Photo Filename: 10

Attachment Description:
Northwestern corner of the bridge
looking west towards the utility pole



Photo Number: 11

Photo Filename: 11

Attachment Description:

Northwest corner of the bridge looking northwest towards the sign



Photo Number: 12

Photo Filename: 12

Attachment Description:

From the north, on top of the bridge looking south towards the train tracks



Photo Number: 13

Photo Filename: 13

Attachment Description:

From the northwestern corner of the bridge looking southeast towards the train tracks and sign



Photo Number: 14

Photo Filename: 14

Attachment Description:

From the northeastern corner, on top of the bridge looking south towards the bridge steel platform on the east fascia



Photo Number: 15

Photo Filename: 15

Attachment Description:

From the south end of the bridge, looking north towards the train tracks



Photo Number: 16

Photo Filename: 16

Attachment Description:

From the top of the southwest corner of the bridge looking northwest towards the creek under the bridge



Photo Number: 17

Photo Filename: 17

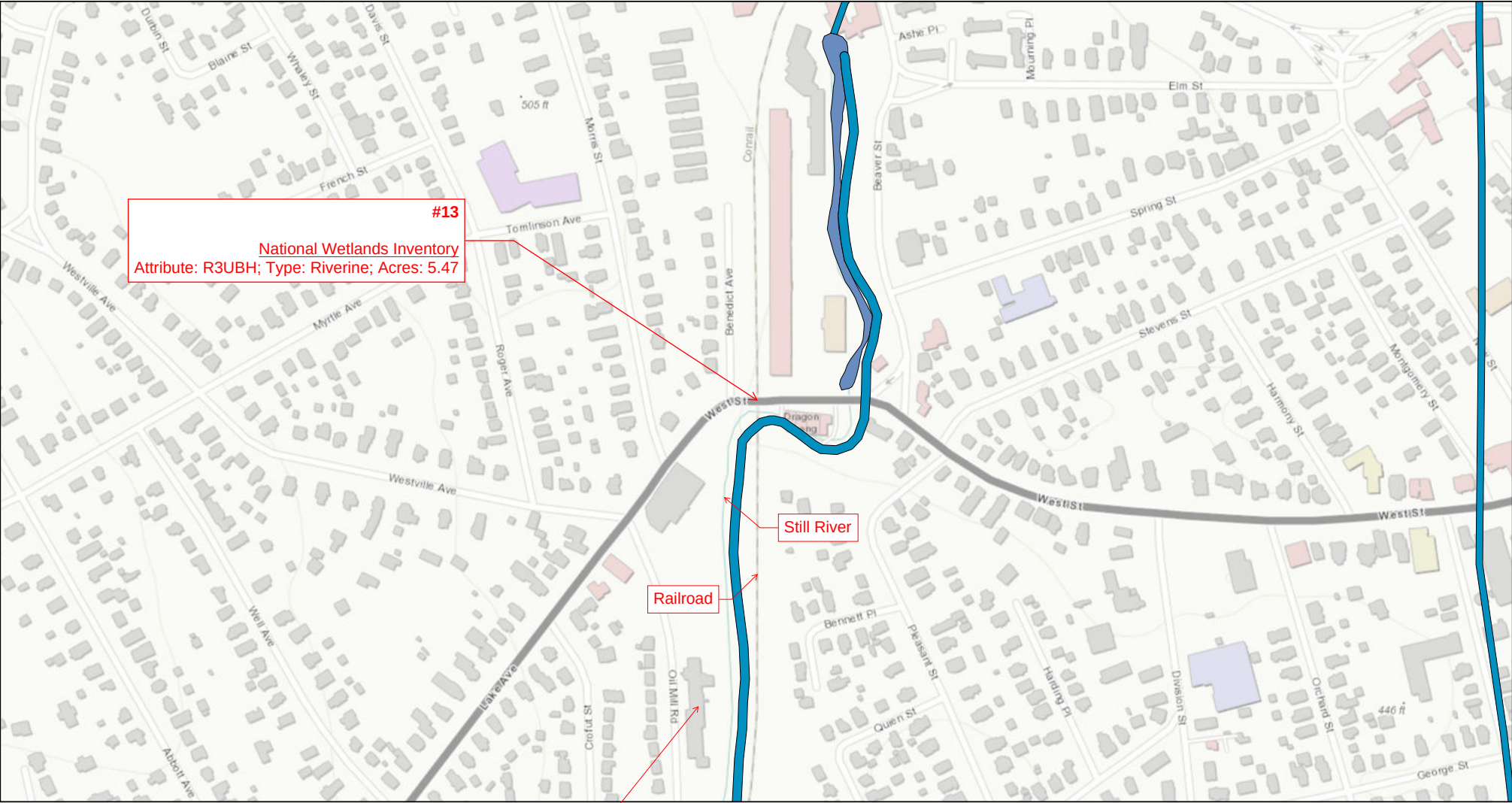
Attachment Description:

From the southeast corner of the bridge looking northeast at the creek under the bridge

From the southeast corner of the bridge looking northeast at the creek under the bridge



#13 - NYSDEC



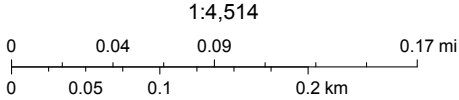
#13
National Wetlands Inventory
Attribute: R3UBH; Type: Riverine; Acres: 5.47

Still River

Railroad

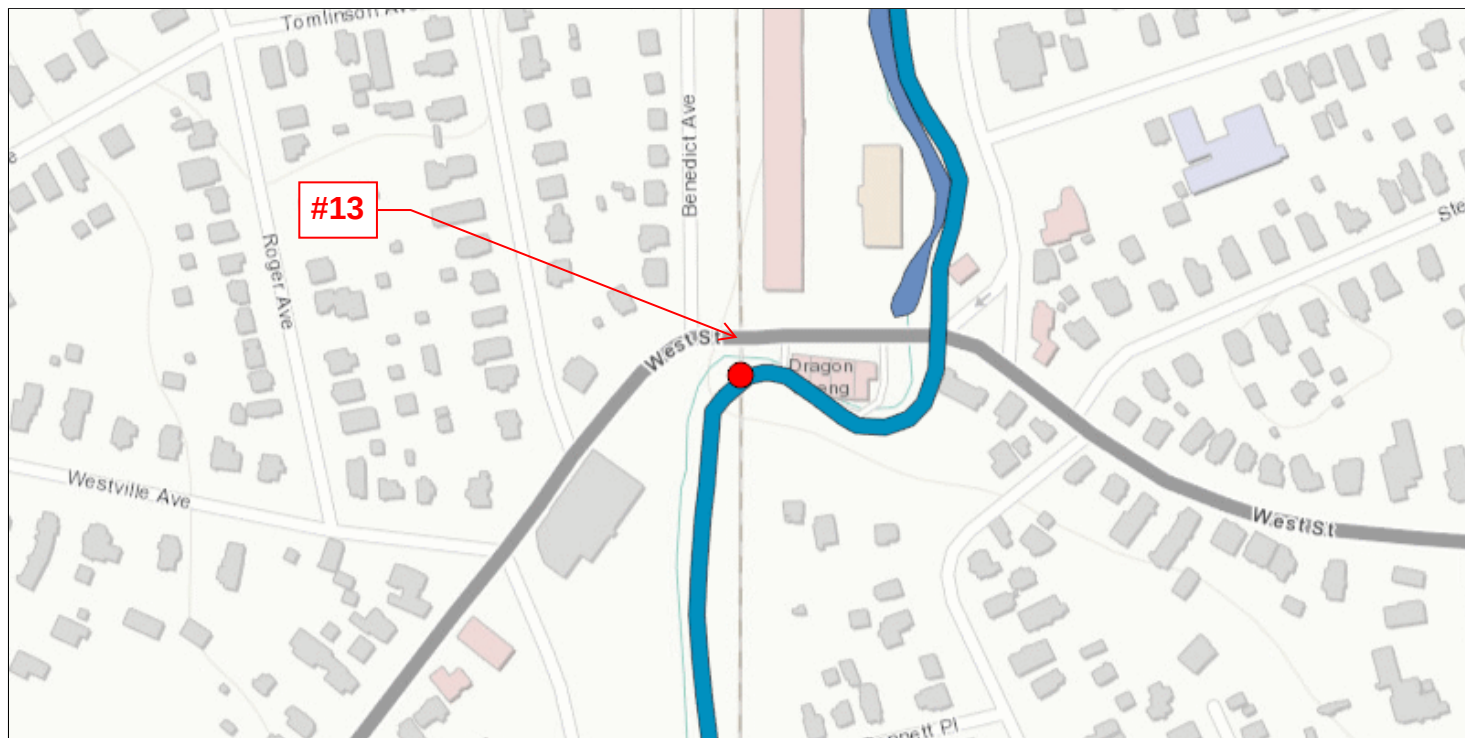
P. Robinson Fur
Cutting Company

September 7, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 628466.7359618254

Northing: 4583515.153727832

Longitude/Latitude

Longitude: -73.46334344011134

Latitude: 41.39292398554113

The approximate address of the point you clicked on is:

134 West St, Danbury, Connecticut, 06810

National Wetlands Inventory

Attribute: R3UBH

Type: Riverine

Acres: 5.473392209

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

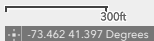
Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

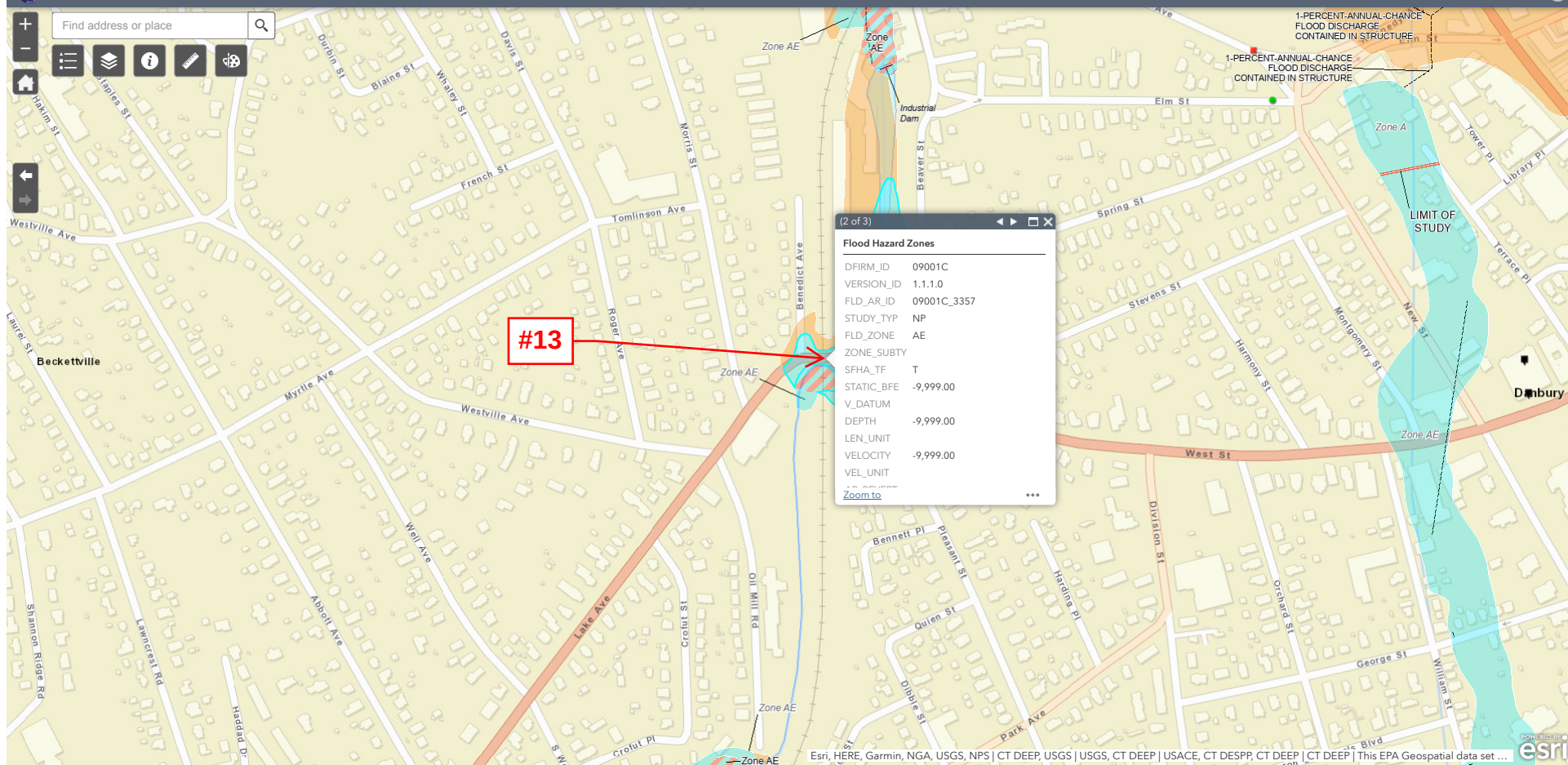
[CLICK HERE TO DECODE](#)

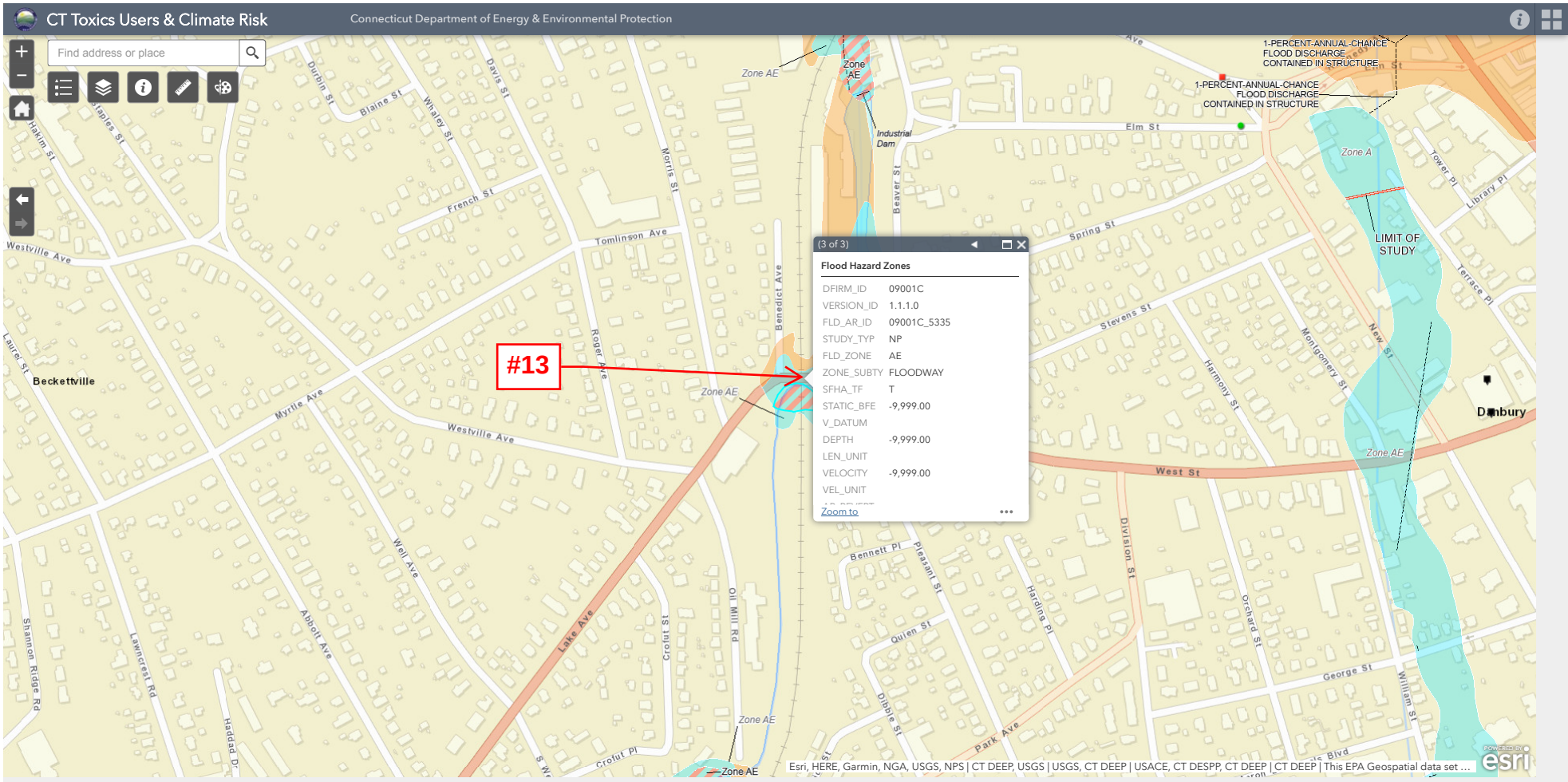
Description for code R3UBH:

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 3** Subsystem **UPPER PERENNIAL**: This Subsystem is characterized by a high gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists of rock, cobbles, or gravel with occasional patches of sand. The natural dissolved oxygen concentration is normally near saturation. The fauna is characteristic of running water, and there are few or no planktonic forms. The gradient is high compared with that of the Lower Perennial Subsystem, and there is very little floodplain development.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):



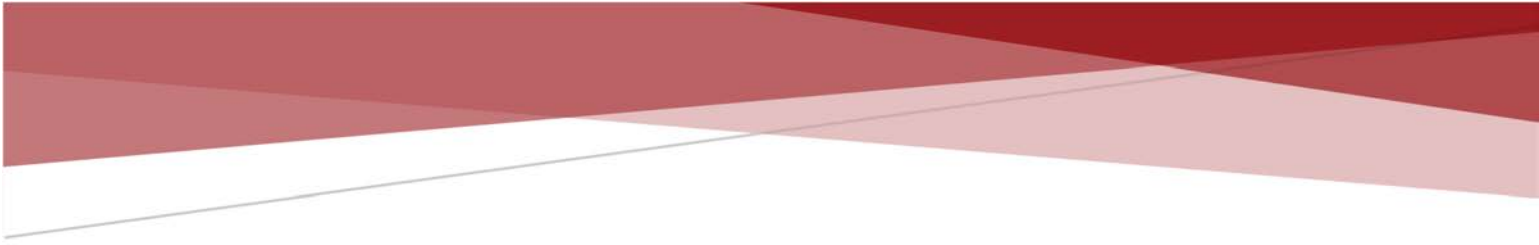




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #13:

- Location #13 is near a National Wetlands Inventory which is a riverine, upper perennial, unconsolidated bottom, that is permanently flooded and covers 5.47 acres. The Wetland is located approximately 60 ft away from the rail link
- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone AE
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet



LOCATION SITE #15

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 30, 2021

Structure Information

<i>BIN:</i> NA <i>Feature Crossed:</i> Rose Hill Ave <i>Feature Carried:</i> Housatonic RR <i>Bridge Mile:</i> Unknown <i>Skew (°):</i> ~ <i>Type of Bridge Structure:</i> I-Beam <i>Type of Deck:</i> Open Floor <i>Number of Spans:</i> 2 <i>Length of Span(ft):</i> ~72 <i>Center-Center Beam Width (ft):</i> 19.50 <i>Width Girder (ft):</i> 7.25 <i>Out-To-Out Width (ft.):</i> 26.75	<i>Site:</i> 15 <i>County:</i> Fairfield <i>City:</i> Danbury <i>Approximate Year Built:</i> Unknown <i>Primary Owner:</i> Housatonic <i>Maintenance Responsibility:</i> Housatonic (Framework & Abutments) <i>Maintenance Responsibility:</i> Housatonic (Roadway & Approaches)
--	---

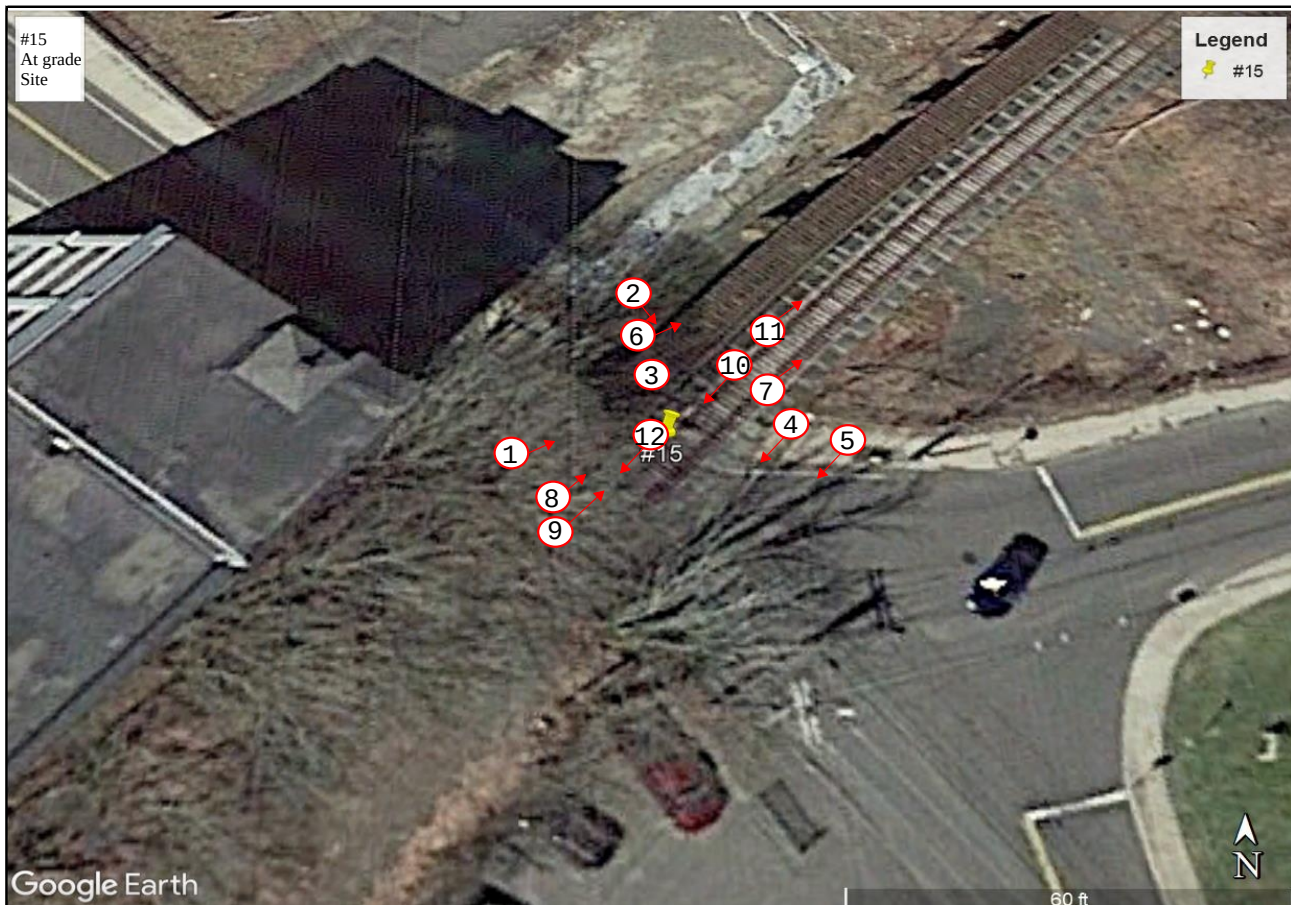
Railroad Information

Railroad Line: Housatonic RR
Number of Tracks: 2
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
Clear Dist. Between Rails 8.25
Clear Dist. To East of Track (ft.): ~6

Notable Features

Utilities carried on bridge: None
Utilities parallel to the bridge: None
Vertical Clearance less than legal minimum (ft): NA
Vegetation: Light
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - I-45 Rose Hill, Danbury, CT
Inspectors: RR, BL	



Out to out width = 26'-9"

19'-6" beam center to center

6' from the beam is the track

Moderate corrosion on steel beams

Very light vegetation on tracks

Steel grating platform present between tracks

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From south of the bridge,
southern side walk looking
northeast at the street and the
bridge



Photo Number: 2

Photo Filename: 2

Attachment Description:

From south of the bridge, on
the northern sidewalk looking
east at the bridge



Photo Number: 3

Photo Filename: 3

Attachment Description:

Measurement of the fence height



Photo Number: 4

Photo Filename: 4

Attachment Description:

From east of the bridge at the northern sidewalk, looking southwest at the bridge



Photo Number: 5

Photo Filename: 5

Attachment Description:

From east of the bridge, at the northern sidewalk looking south across the street



Photo Number: 6

Photo Filename: 6

Attachment Description:

From east of the bridge at the northern sidewalk, looking north towards the bridge and fence



Photo Number: 7

Photo Filename: 7

Attachment Description:

From the northern side of the bridge, looking up at the bridge girders



Photo Number: 8

Photo Filename: 8

Attachment Description:

From the southern side of the bridge, looking up at the bridge girders



Photo Number: 9

Photo Filename: 9

Attachment Description:

From the southern side of the bridge looking north at the railroad tracks



Photo Number: 10

Photo Filename: 10

Attachment Description:

From the northern side of the bridge looking south at the railroad tracks



Photo Number: 11

Photo Filename: 11

Attachment Description:

On the northern side of the bridge looking north at the railroad tracks



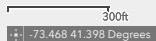
Photo Number: 12

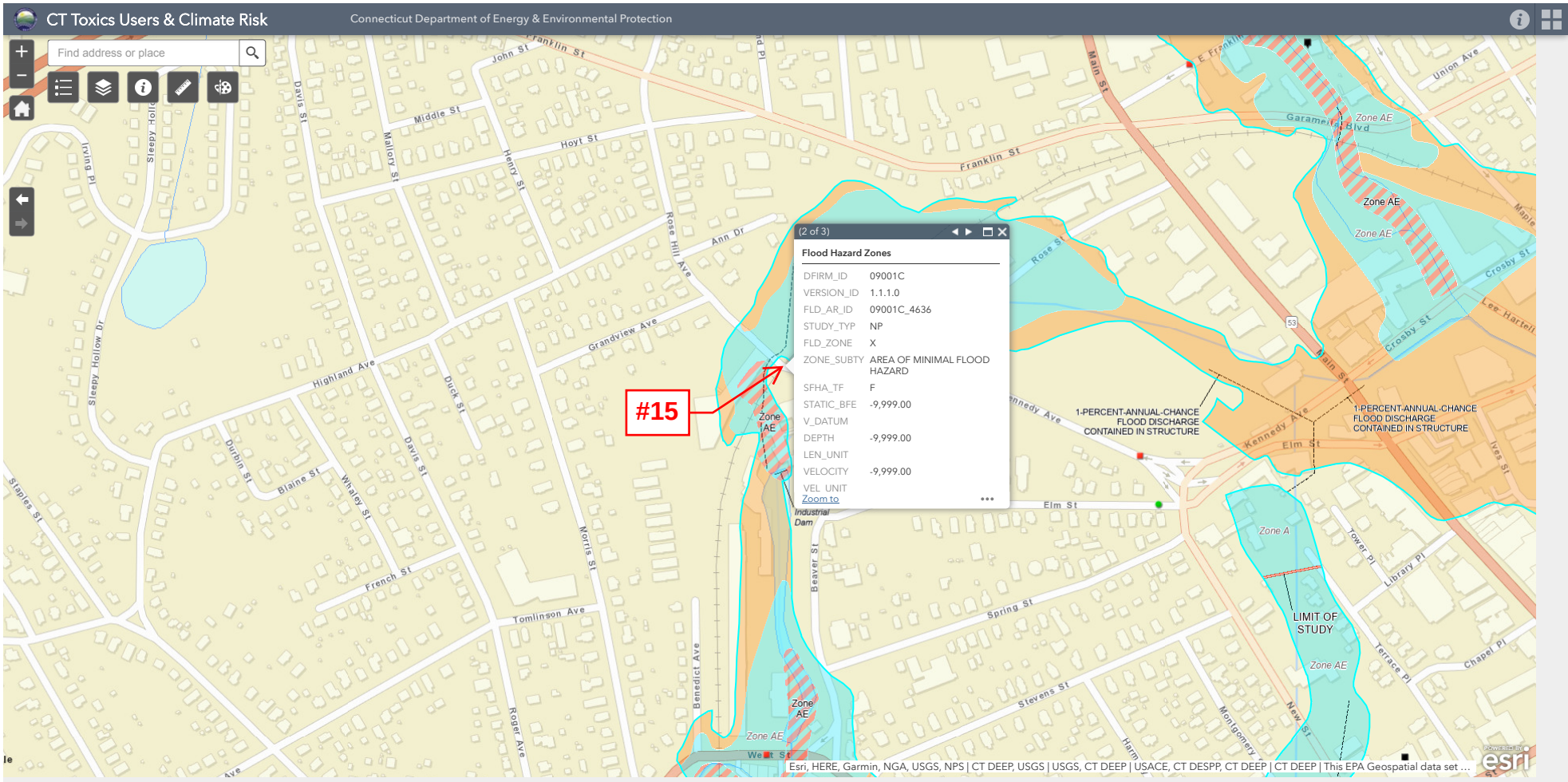
Photo Filename: 12

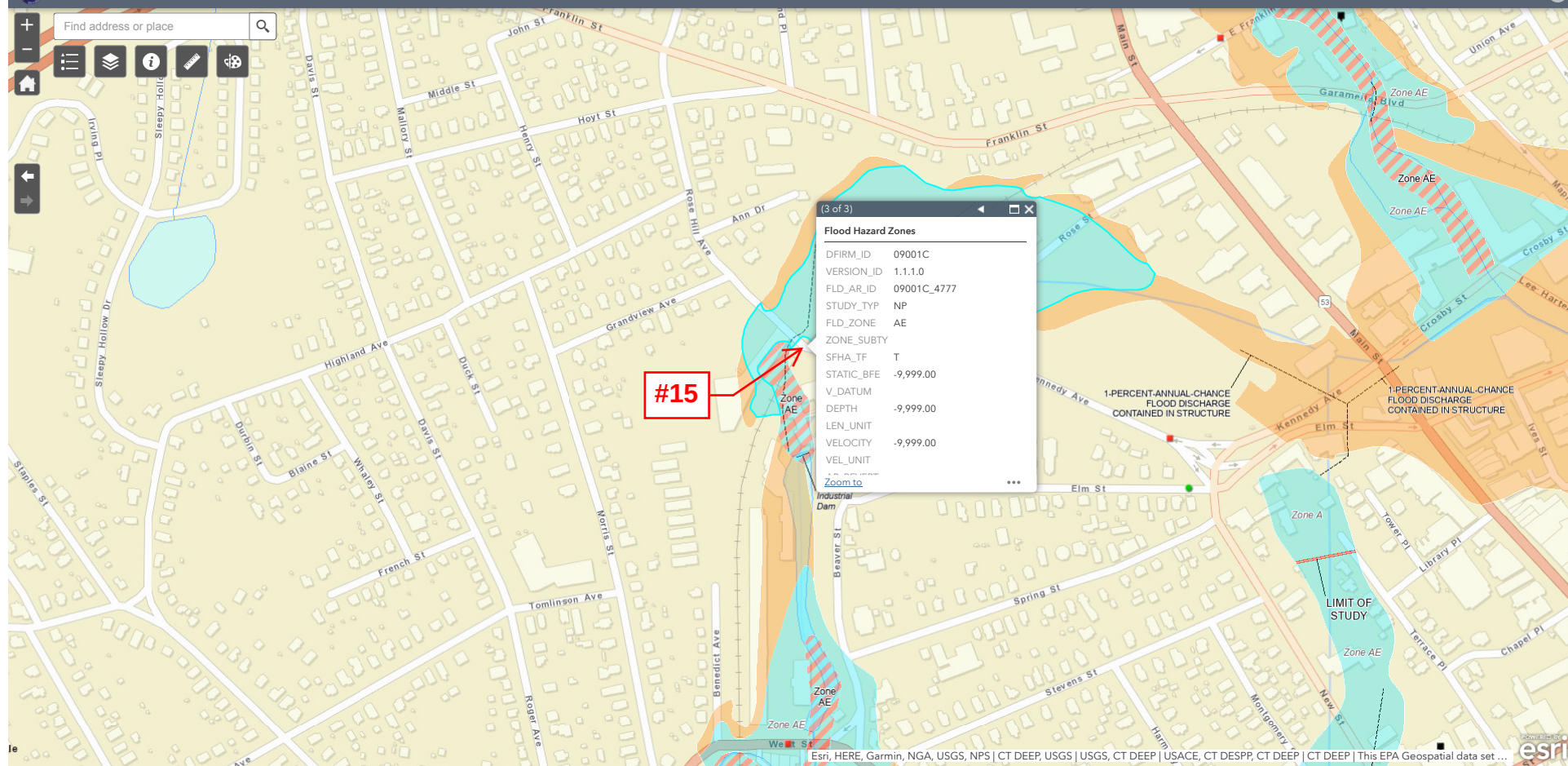
Attachment Description:

From the middle of the bridge looking south at the railroad tracks





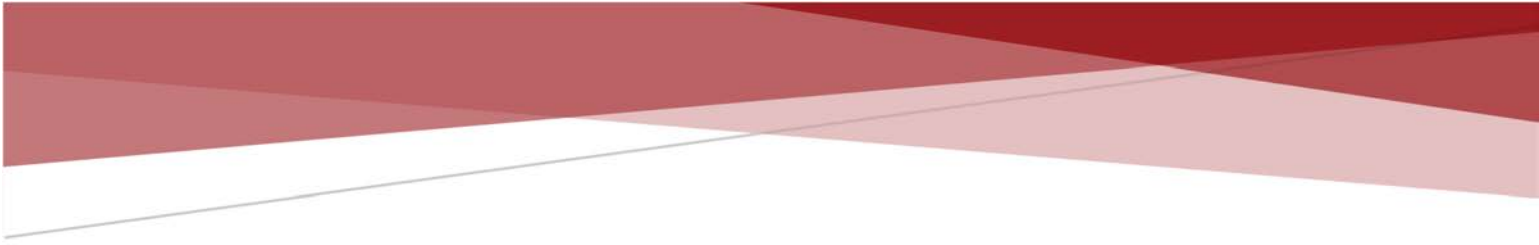




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #15:

- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in multiple Flood Hazard Zones including Zone AE and Zone X
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet



LOCATION SITE #16

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 30, 2021

Structure Information

<i>BIN:</i> NA <i>Feature Crossed:</i> Water creek by Rose St <i>Feature Carried:</i> Housatonic RR <i>Bridge Mile:</i> Unknown <i>Skew (°):</i> 0.00 <i>Type of Bridge Structure:</i> I-Beam <i>Type of Deck:</i> Concrete Slab <i>Number of Spans:</i> 1 <i>Length of Span(ft):</i> ~20 <i>Out-To-Out Width (ft.):</i> ~26	<i>Site:</i> 16 <i>County:</i> Fairfield <i>City:</i> Danbury <i>Approximate Year Built:</i> Unknown <i>Primary Owner:</i> Housatonic <i>Maintenance Responsibility:</i> Housatonic (Framework & Abutments) <i>Maintenance Responsibility:</i> Housatonic (Roadway & Approaches)
---	---

Railroad Information

Railroad Line: Housatonic RR

Number of Tracks: 2

Ballast Type: Gravel

Rail-to rail width (ft): 4.7083

Clear distance between rail width (ft): 8.25

Notable Features

Utilities carried on bridge: None

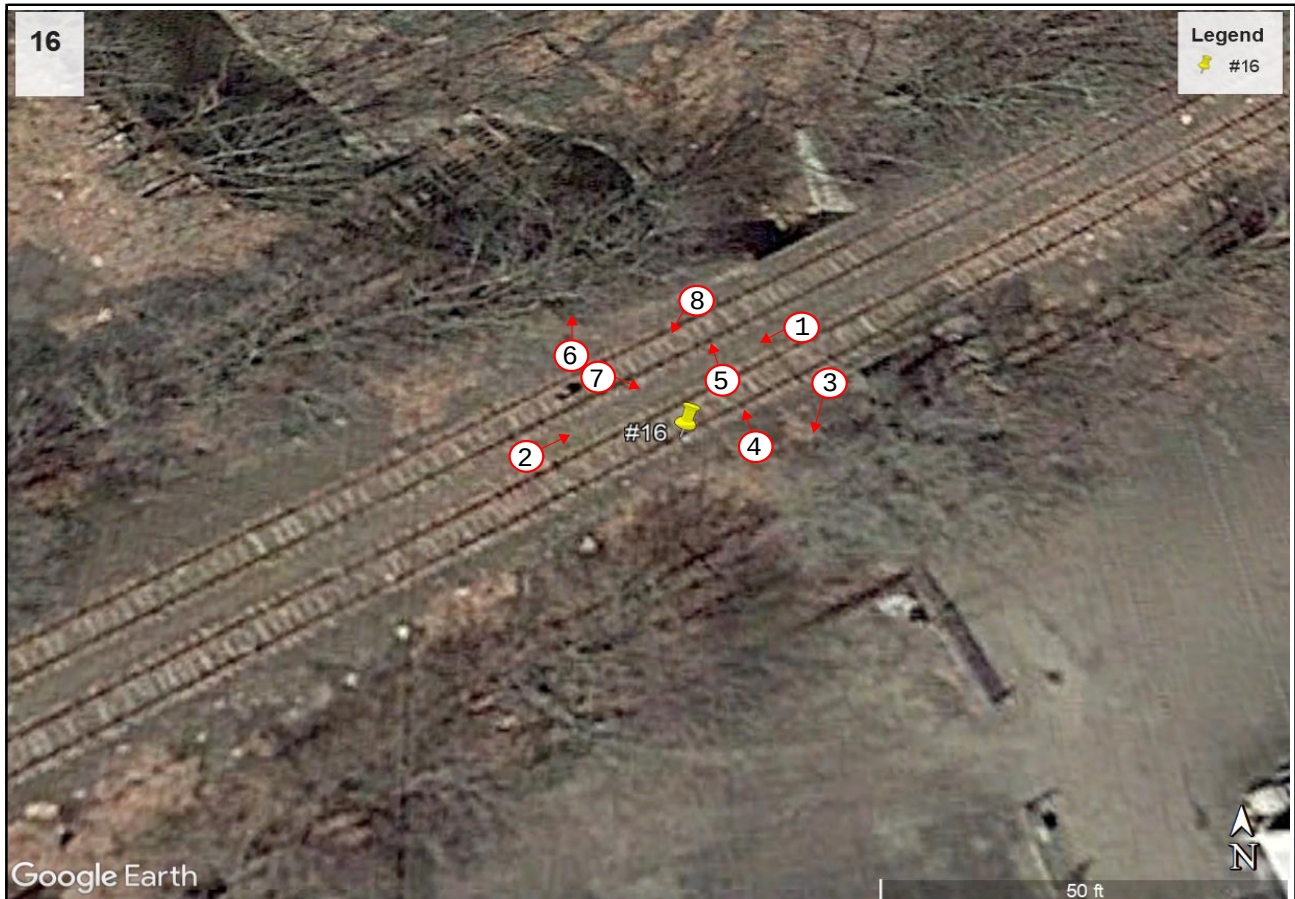
Utilities parallel to the bridge: None

Vertical Clearance less than legal minimum (ft): NA

Neighboring structure: Abandoned I beam deck S-E of bridge approx. 30ft long 20ft wide

Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - Near Rose St & Kennedy Ave Intersection, Danbury, CT
Inspectors: RR, BL	



Bridge site #16 near Rose St & Kennedy Ave

Behind A-1 Services Center & Towing/Iglesia Pentecostal Camino del Reino A/D Church

Minor to moderate corrosion in steel beams

Vegetation in the vicinity of the bridge

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From east of the bridge, on the tracks looking west



Photo Number: 2

Photo Filename: 2

Attachment Description:

From west of the bridge, on the tracks looking east



Photo Number: 3

Photo Filename: 3

Attachment Description:

From east of the bridge, on
the tracks looking south



Photo Number: 4

Photo Filename: 4

Attachment Description:

From south of the bridge,
looking north under the bridge



Photo Number: 5

Photo Filename: 5

Attachment Description:

From under the bridge looking
up at the steel girders



Photo Number: 6

Photo Filename: 6

Attachment Description:

From south of the bridge,
looking north at the bridge and
water underneath



Photo Number: 7

Photo Filename: 7

Attachment Description:
From north of the bridge, looking
east at the wingwall



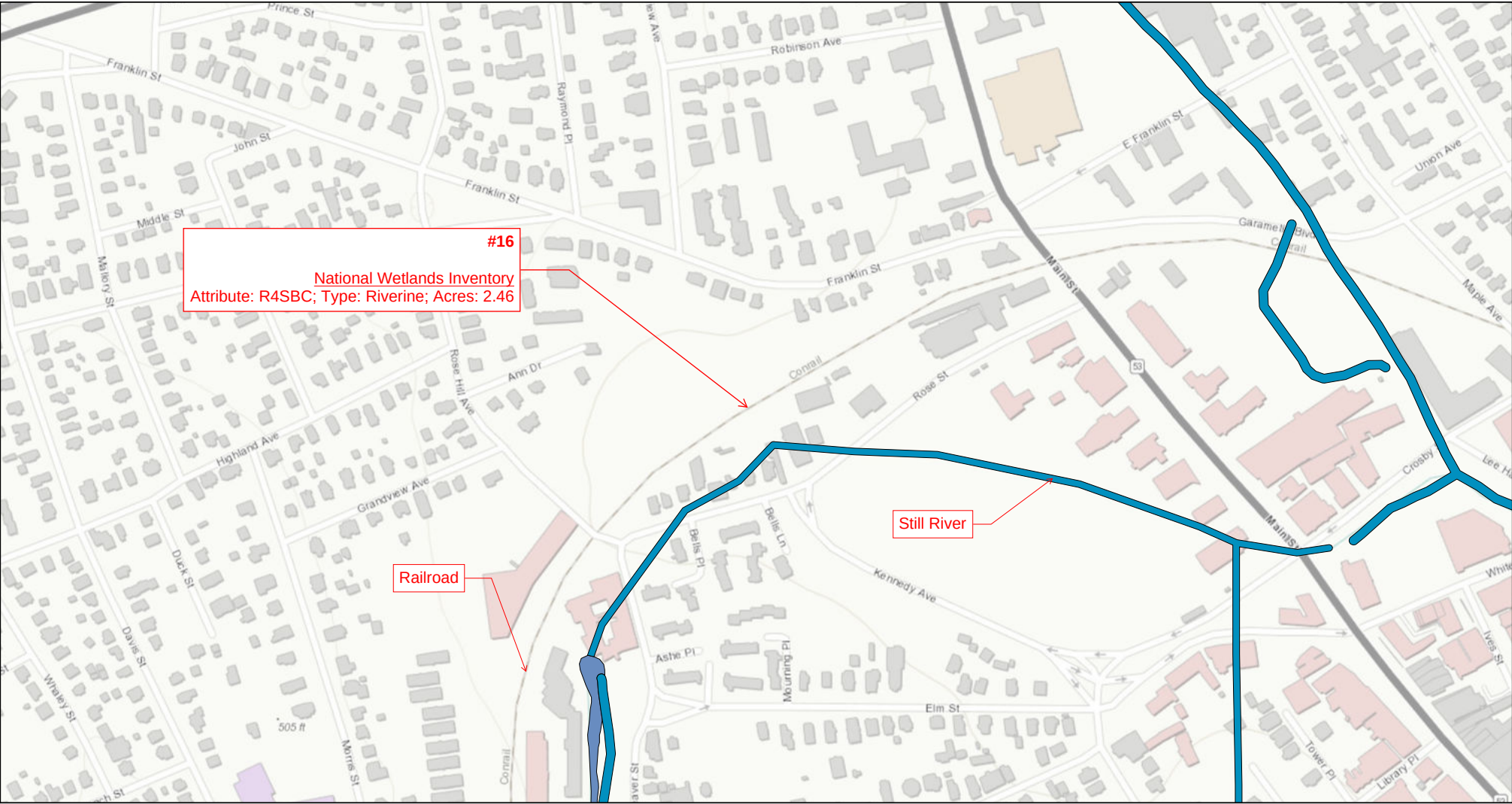
Photo Number: 8

Photo Filename: 8

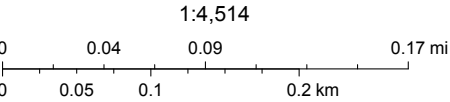
Attachment Description:
From north of the bridge, looking
west at the wingwall



#16 - NYSDEC



September 7, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 628688.6433765286	Northing: 4584054.499271865
Longitude/Latitude	Longitude: -73.46057540040822	Latitude: 41.3977449749873

The approximate address of the point you clicked on is:

Kingdom Way Pentecostal Church

National Wetlands Inventory

Attribute: R4SBC

Type: Riverine

Acres: 2.468694153

For more information about the National Wetlands Inventory wetlands visit <https://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

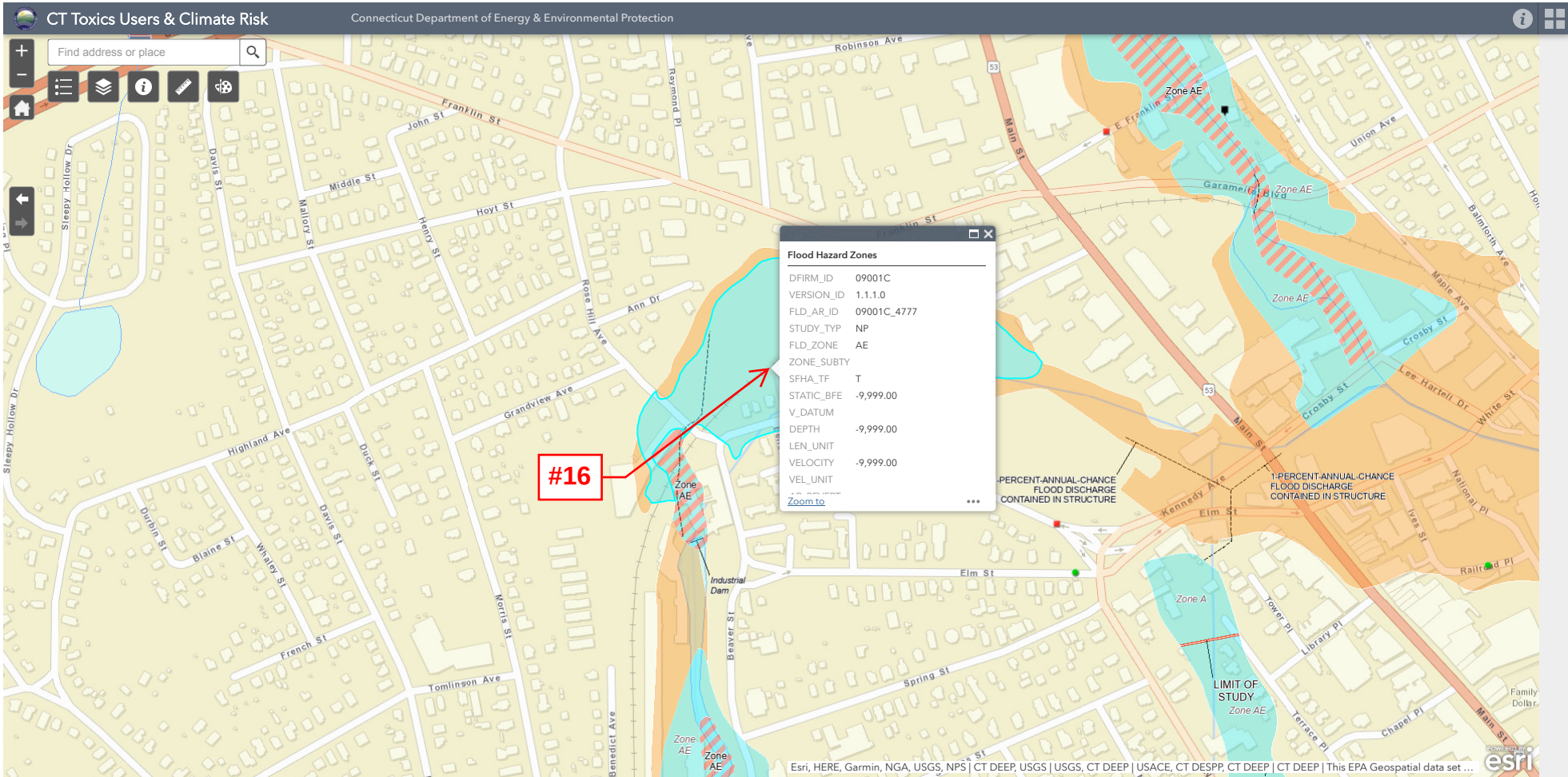
Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R4SBC:

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 4** Subsystem **INTERMITTENT**: This Subsystem includes channels that contain flowing water only part of the year. When the water is not flowing, it may remain in isolated pools or surface water may be absent.
- SB** Class **STREAMBED**: Includes all wetlands contained within the Intermittent Subsystem of the Riverine System and all channels of the Estuarine System or of the Tidal Subsystem of the Riverine System that are completely dewatered at low tide.
- C** Water Regime **Seasonally Flooded**: Surface water is present for extended periods especially early in the growing season, but is absent by the end of the growing season in most years. The water table after flooding ceases is variable, extending from saturated to the surface to a water table well below the ground surface.

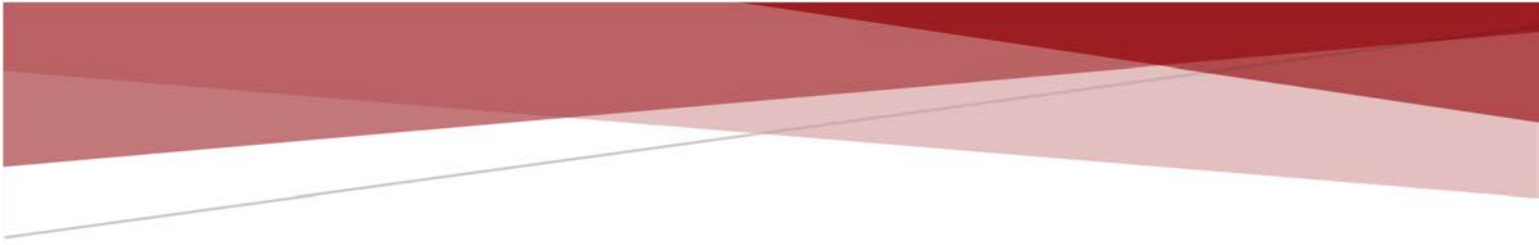
Other Modifier(s):



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #16:

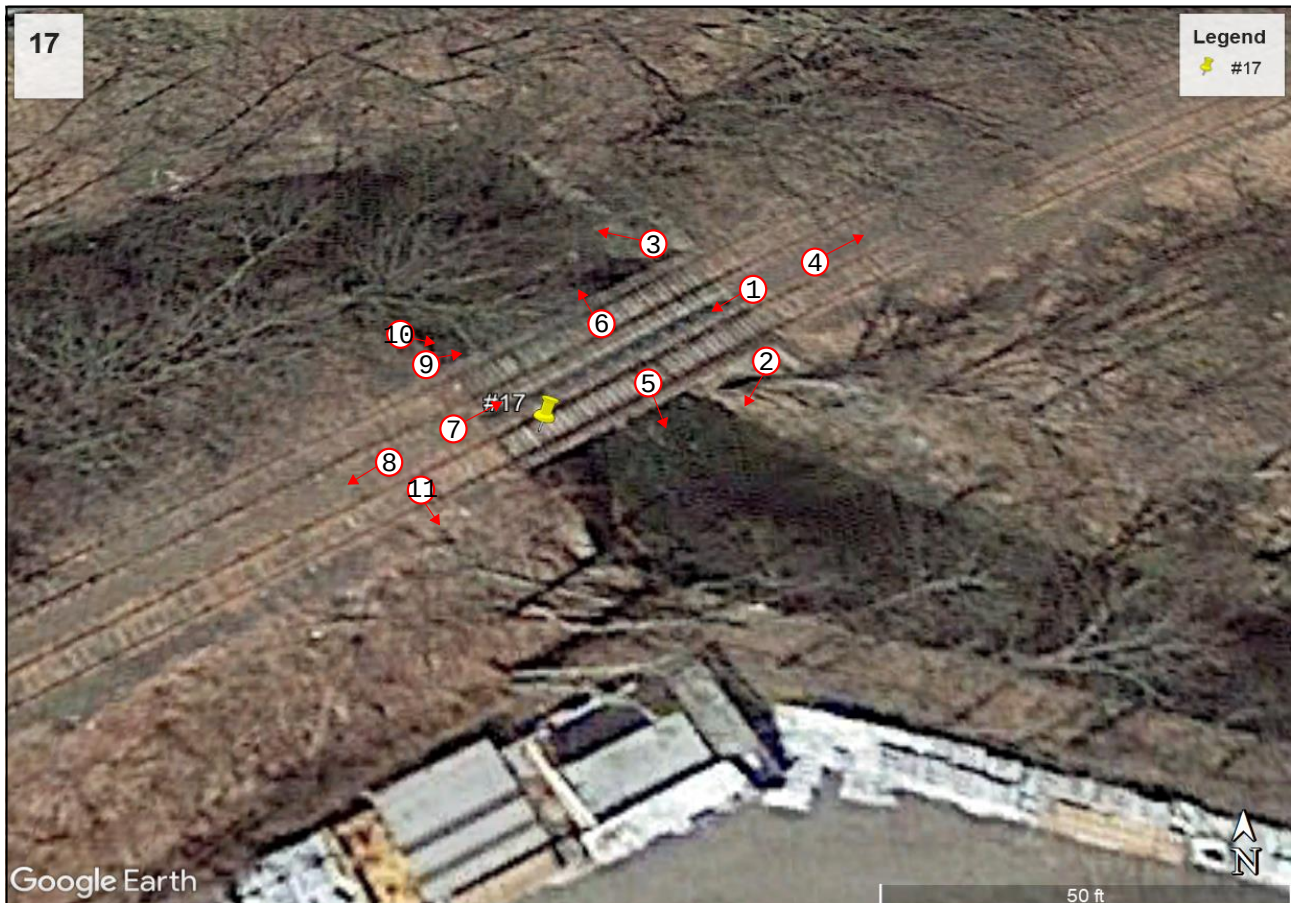
- Location #16 is near a National Wetlands Inventory which is a riverine, intermittent, streambed, that is seasonally flooded and covers 2.46 acres. The Wetland is located approximately 180 ft away from the rail link
- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone AE
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet



LOCATION SITE #17

Eco/water site by Rose Street in Danbury, Connecticut. Two sets of train tracks run in the east-west direction on a steel girder bridge crossing the Still River. There is a steel grate platform along the gap of the bridge between the two tracks. There is light vegetation on the tracks. To the south of the site, a parking lot for a car shop can also be seen. There is also an unknown utility pole that can be seen from the southern side of the site.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - Water by Rose St, Danbury, CT
Inspectors: RR, BL	



Eco/water site #17 near Rose Street over the Still River in Danbury, CT

Light vegetation in the vicinity

Steel grate platform in-between both tracks over Still River

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From the eastern side of the bridge, looking west at the bridge



Photo Number: 2

Photo Filename: 2

Attachment Description:

From the eastern side of the bridge, looking southwest at the water underneath



Photo Number: 3

Photo Filename: 3

Attachment Description:

From the eastern side of the bridge, looking northwest at the water



Photo Number: 4

Photo Filename: 4

Attachment Description:

From the eastern side of the bridge, looking east



Photo Number: 5

Photo Filename: 5

Attachment Description:

From the south side of the tracks, looking south towards the water



Photo Number: 6

Photo Filename: 6

Attachment Description:

From the north side of the tracks, looking north towards the water



Photo Number: 7

Photo Filename: 7

Attachment Description:

From the west side of the bridge, looking east at the bridge



Photo Number: 8

Photo Filename: 8

Attachment Description:

From the west side of the bridge, looking west



Photo Number: 9

Photo Filename: 9

Attachment Description:

From the northwestern side of the bridge, looking east at the water



Photo Number: 10

Photo Filename: 10

Attachment Description:

From the northwestern side of the bridge, looking southeast at the bridge abutment and girder



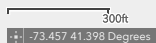
Photo Number: 11

Photo Filename: 11

Attachment Description:

From the west side of the bridge,
looking south at the utility pole

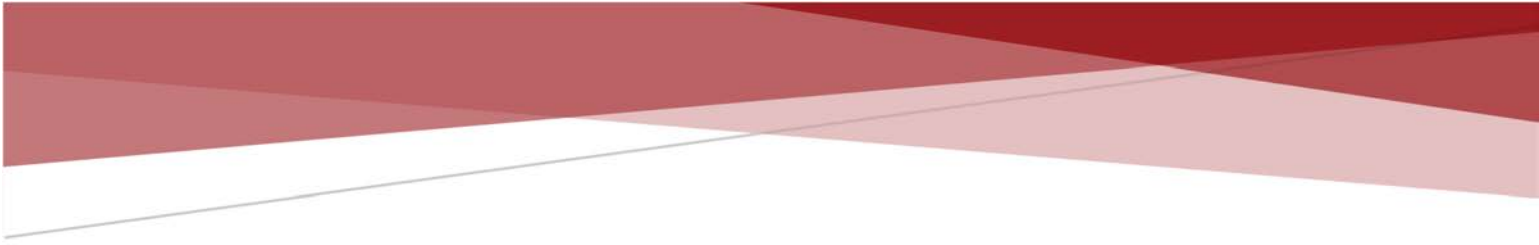




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #17:

- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone AE
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet

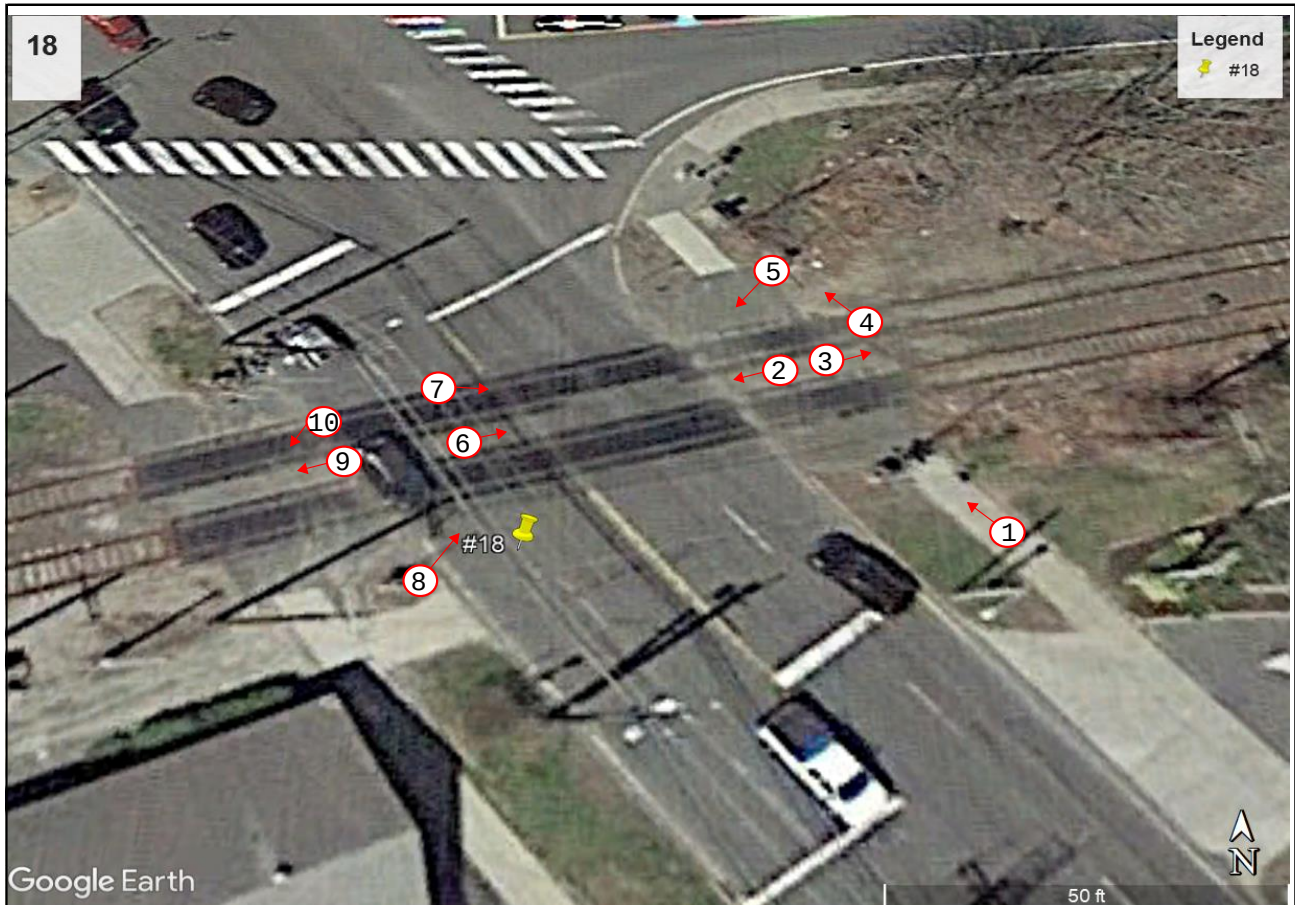


LOCATION SITE #18

AT GRADE SITE #18

At grade site located on Main Street in Danbury, Connecticut. There are two sets of train tracks that cross Main Street, which run in the east-west direction. This intersection experiences heavy traffic with two lanes of traffic from both directions. Main Street has an AADT of 17,100. There are railroad crossing gates for both the northbound and southbound lanes of traffic. Utility poles can be seen along the street, as well as along the railroad. There is a set of traffic lights to the north and south of this intersection. There are also sidewalks on both the east and west side of this intersection that allows pedestrians to walk across the tracks at the intersection.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION- Main Street, Danbury, C
Inspectors: RR, BL	



At grade site #18 near Main Street in Danbury, CT

Minor vegetation along tracks

Heavy traffic, AADT 17,100

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

On the eastern sidewalk,
looking northwest at the
intersection



Photo Number: 2

Photo Filename: 2

Attachment Description:

From east of the intersection,
looking west at the
intersection



Photo Number: 3

Photo Filename: 3

Attachment Description:
From east of the intersection,
looking east



Photo Number: 4

Photo Filename: 4

Attachment Description:
From east of the
intersection, looking north at
Garamella Boulevard



Photo Number: 5

Photo Filename: 5

Attachment Description:

From northeast of the intersection, looking southwest at the utility poles



Photo Number: 6

Photo Filename: 6

Attachment Description:

From west of the intersection, looking east at the intersection



Photo Number: 7

Photo Filename: 7

Attachment Description:

From northwest of the intersection, looking southeast at the railroad crossing



Photo Number: 8

Photo Filename: 8

Attachment Description:

From southwest of the intersection looking northeast at the intersection



Photo Number: 9

Photo Filename: 9

Attachment Description:
From west of the intersection,
looking west



Photo Number: 10

Photo Filename: 10

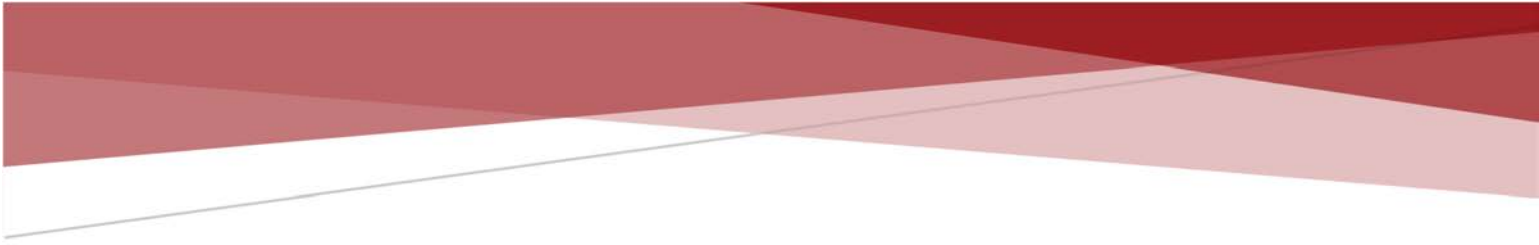
Attachment Description:
From west of the intersection,
looking southwest towards
utility poles and box



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #18:

- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, in this location, the Coarse-Grained Deposits Thickness is between 0 to 50 feet



LOCATION SITE #19

AT GRADE SITE #19

At grade site located on Maple Avenue in Danbury, Connecticut. There are two sets of train tracks run in the northwest-southeast direction and crosses Maple Avenue. Maple Avenue is a one-way traffic street with two lanes running in the southeast direction. There are sidewalks on both side of Maple Avenue and utility poles along the street and railroad tracks. There is also a utility box on the northeast side of the intersection.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - Maple Avenue, Danbury, CT
Inspectors: RR, BL	



At grade site #19 on Maple Avenue in Danbury

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From southwest of the intersection, looking northeast at the intersection



Photo Number: 2

Photo Filename: 2

Attachment Description:

From west of the intersection, looking west



Photo Number: 3

Photo Filename: 3

Attachment Description:

From west of the intersection,
looking east at the
intersection



Photo Number: 4

Photo Filename: 4

Attachment Description:

From west of the intersection,
looking south at the utility
poles and sidewalks



Photo Number: 5

Photo Filename: 5

Attachment Description:

From southwest of the intersection, looking east at the intersection and utility box



Photo Number: 6

Photo Filename: 6

Attachment Description:

From east of the intersection, looking west



Photo Number: 7

Photo Filename: 7

Attachment Description:

From east of the intersection,
looking east towards the
intersection



Photo Number: 8

Photo Filename: 8

Attachment Description:

From east of the intersection,
looking south at the sidewalk
and utility poles



Photo Number: 9

Photo Filename: 9

Attachment Description:
From east of the intersection,
looking northwest at the
utility poles



Photo Number: 10

Photo Filename: 10

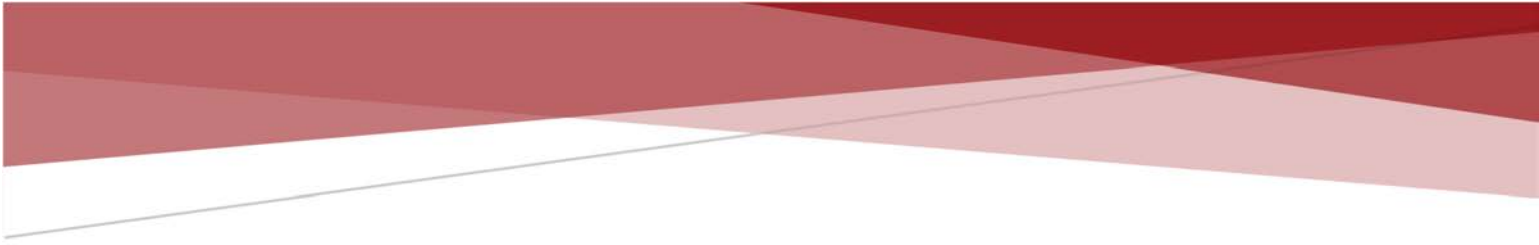
Attachment Description:
From east of the intersection,
looking east at the utility
poles



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #19:

- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, this location has other glacial meltwater deposits with lower potential yield



LOCATION SITE #20

AT GRADE SITE #20

At grade site located on Balmforth Avenue in Danbury, Connecticut. There are two sets of train tracks that run in the northwest-southeast direction and cross Balmforth Avenue. Balmforth Avenue is a one-way traffic street with two lanes running in the northwest direction. There are sidewalks on both sides of Balmforth Avenue and utility poles along the street and railroad tracks. Balmforth Avenue has an AADT of 9,100.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION - Balmforth Avenue, Danbury, CT
Inspectors: RR, BL	



At grade site #20 on Balmforth Avenue in Danbury

Utility poles in the area

Medium traffic, AADT 9,100

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From west of the intersection,
looking east at the
intersection



Photo Number: 2

Photo Filename: 2

Attachment Description:

From west of the intersection,
looking southeast at the
utility
poles



Photo Number: 3

Photo Filename: 3

Attachment Description:

From west of the
intersection, looking west



Photo Number: 4

Photo Filename: 4

Attachment Description:

From west of the
intersection, looking north
at the sidewalk and utility
poles



Photo Number: 5

Photo Filename: 5

Attachment Description:

From east of the intersection,
looking west at the
intersection



Photo Number: 6

Photo Filename: 6

Attachment Description:

From east of the
intersection, looking east



Photo Number: 7

Photo Filename: 7

Attachment Description:

From east of the intersection, looking north at the intersection and street



Photo Number: 8

Photo Filename: 8

Attachment Description:

From east of the intersection, looking south at the utility poles and railroad crossing



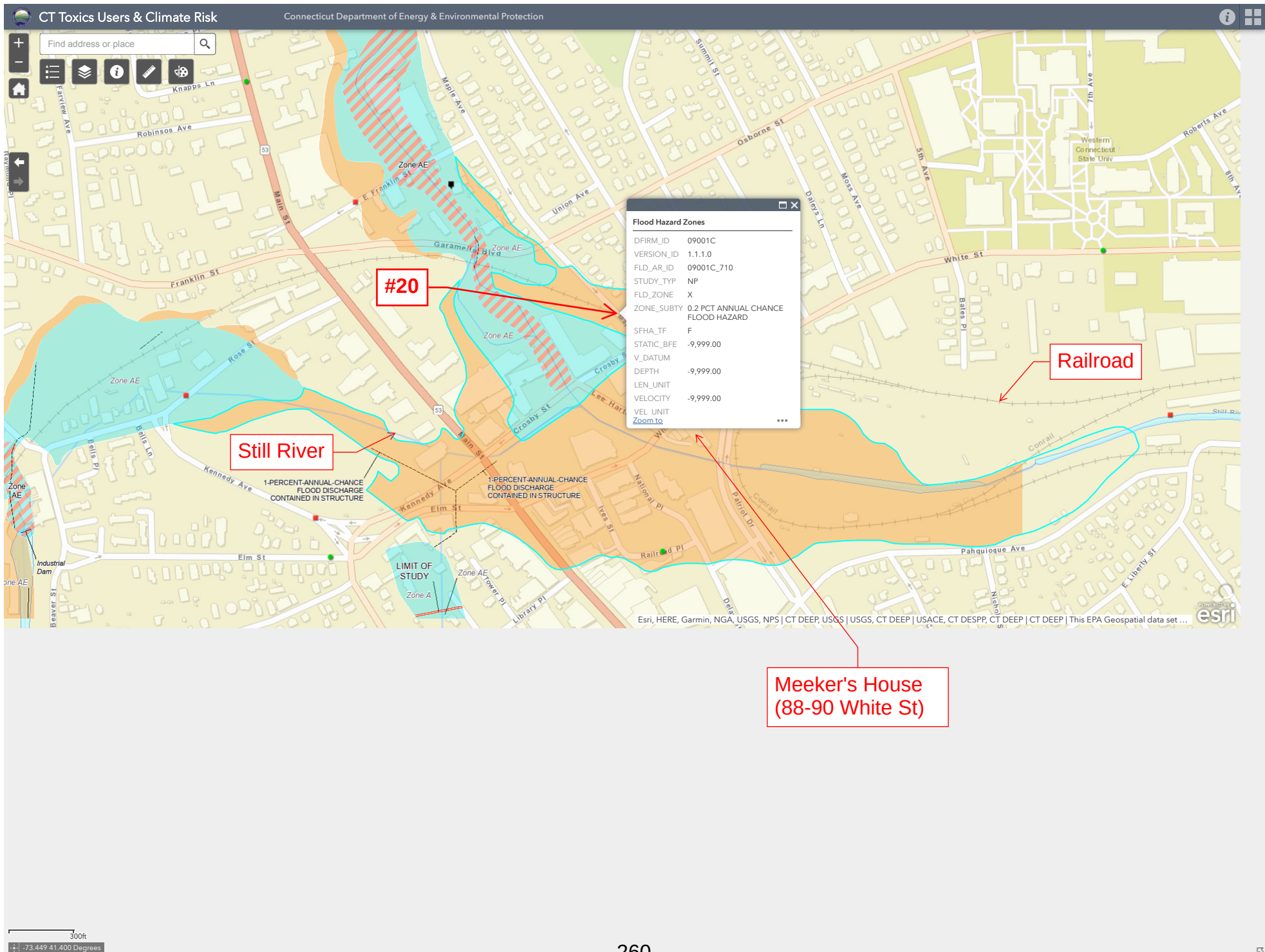
Photo Number: 9

Photo Filename: 9

Attachment Description:

From east of the intersection,
looking northwest at the
tracks

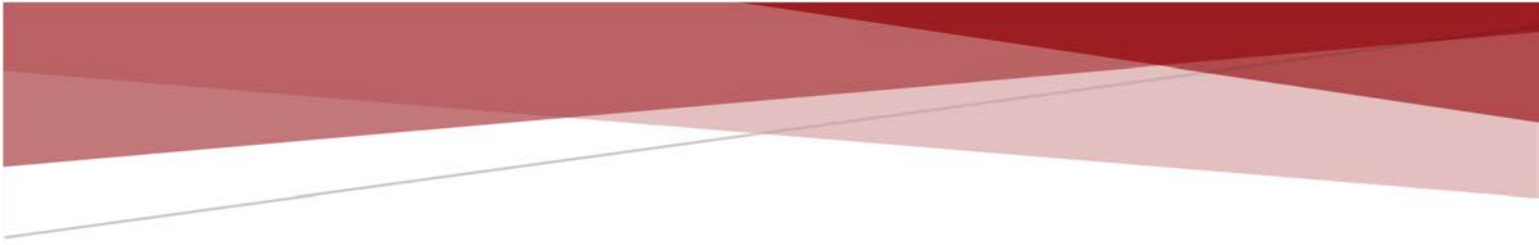




KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #20:

- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone X
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, this location has other glacial meltwater deposits with lower potential yield

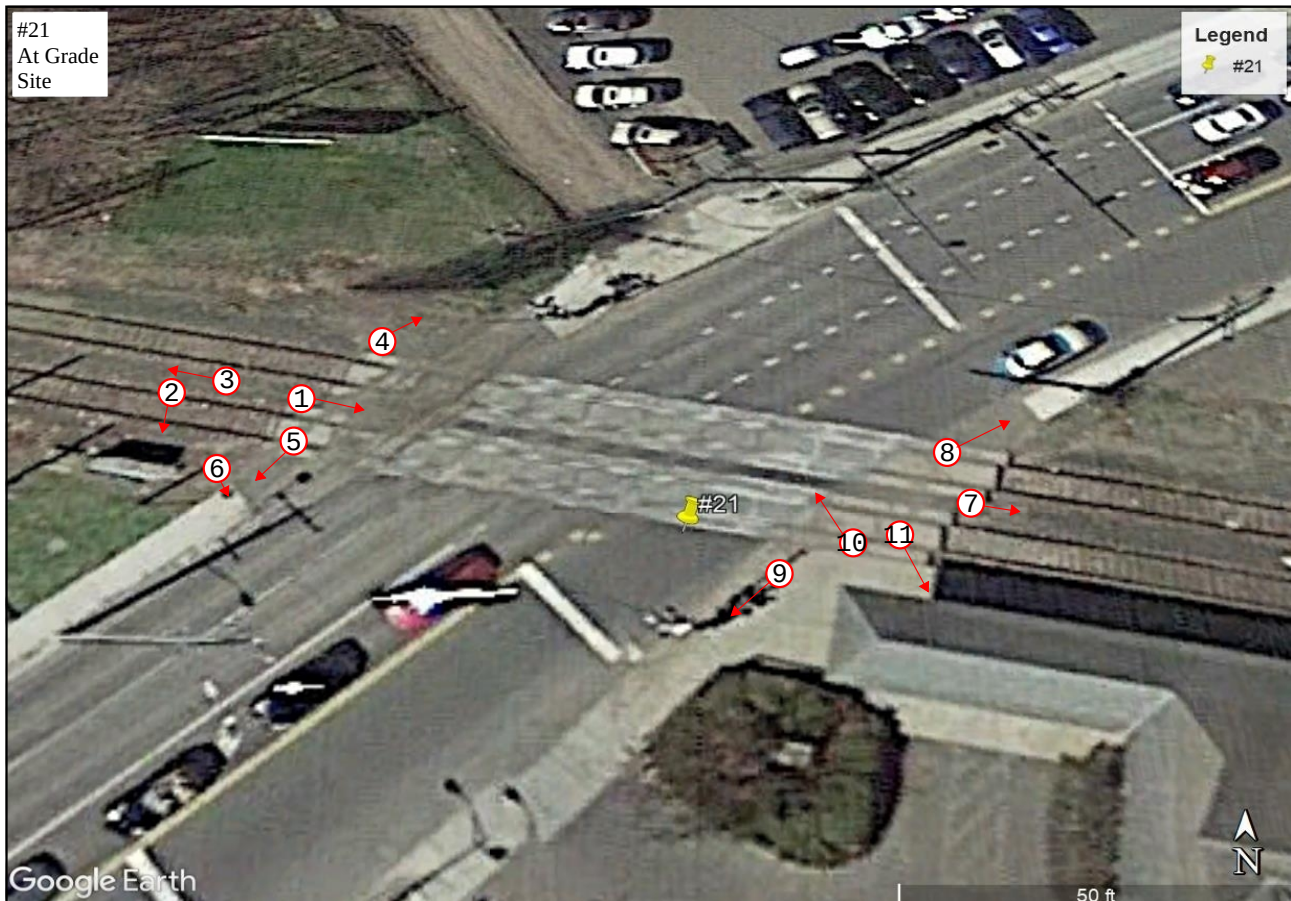


LOCATION SITE #21

AT GRADE SITE #21

At grade site located on White Street in Danbury, Connecticut. There are two sets of train tracks that run in the east-west direction and cross White Street. There is heavy traffic on White Street with three lanes of traffic running southbound and one lane running northbound. White Street has an AADT of 15,100. There is a set of traffic lights to both the north and south of the intersection, which includes pedestrian crossing from the sidewalks on both sides of the street. Various utility and light poles can be seen along the streets and additional utility poles are along the train tracks. The railroad tracks run past the Danbury Railway Museum, which is at the southeast corner of the intersection.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/30/21	LOCATION- White Street Danbury, CT
Inspectors: RR, BL	



At grade site #21 on White Street in Danbury

Heavy traffic, AADT 15,100

Danbury Museum at the southeast corner of the intersection

Inspection Date: September 30, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From west of the intersection,
looking east at the
intersection



Photo Number: 2

Photo Filename: 2

Attachment Description:

West of the intersection,
looking south at the utility
box



Photo Number: 3

Photo Filename: 3

Attachment Description:

From west of the
intersection, looking west



Photo Number: 4

Photo Filename: 4

Attachment Description:

From west of the intersection,
looking north at the
intersection



Photo Number: 5

Photo Filename: 5

Attachment Description:

From west of the intersection,
looking southwest towards
Balmforth Avenue



Photo Number: 6

Photo Filename: 6

Attachment Description:

At the southwest of the
intersection, looking down
at a manhole



Photo Number: 7

Photo Filename: 7

Attachment Description:
From east of the intersection,
looking west



Photo Number: 8

Photo Filename: 8

Attachment Description:
From east of the intersection,
looking northeast at White
Street



Photo Number: 9

Photo Filename: 9

Attachment Description:

From southeast of the intersection, looking southwest at the intersection and Balmforth Avenue



Photo Number: 10

Photo Filename: 10

Attachment Description:

From east of the intersection, looking west at the intersection



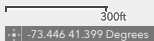
Photo Number: 11

Photo Filename: 11

Attachment Description:

From east of the intersection,
looking southeast at the
railroad museum





National Park Service
U.S. Department of the Interior

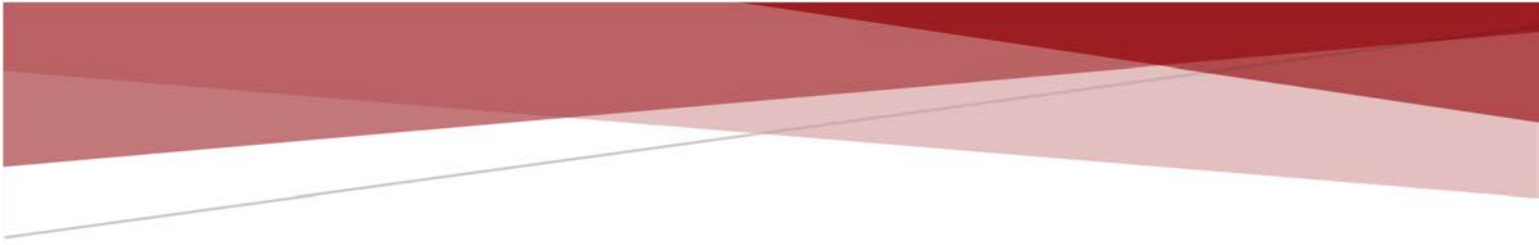


273

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #21:

- According to the CT Toxics Users & Climate Risk (CTTUCR), this location is in a Flood Hazard Zone X
- According to the National Register of Historic Places, near this location there is a Historic Building (the Ball and Roller Bearing Company) that is approximately 100 ft away from the rail link
- According to the CT Department of Energy and Environmental Protection (CTDEEP) Surficial Aquifer Map of Connecticut, this location has other glacial meltwater deposits with lower potential yield



LOCATION SITE #22

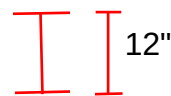
AT GRADE SITE #22

At grade site is located at Joes Hill Road in Brewster, NY 10509. It is north of Farrington Road and Joes Hill Road intersection where a single railroad track run east-west perpendicular to the road. There is a new paved bike lane which is 9 feet wide and runs south parallel to the railroad tracks. It is approximately 7 feet away from the centerline of the railroad tracks. Joes Hill Road consists of light two-way traffic with bike lane crossing and shoulder pavement markings. Four feet from the edge of east roadway, there is a 20 feet long bridge which supports the bike lane over a small stream. The bridge superstructure consisted of 24" steel I-beams with angle cross bracing and three 12" I-beam diaphragms equally spaced along the length of the bridge. The railroad wooden ties, which rest on I-beams, can be seen in photos 6 and 9-17, show moderate corrosion.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY		
Date: 9/7/21	LOCATION -	Joes Hill Rd Brewster NY 10509
Inspectors RR, BL		



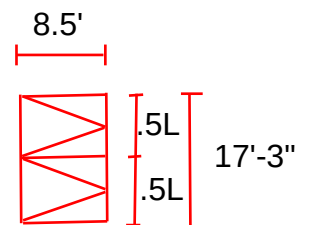
Pavement at intersection rutted
 Small potholes around corner
 Photo (9-17) taken underneath bridge or at N-W corner of bridge
 2 I-beam girders 17'-3" long
 Diagonal angle bracing
 3 I-beam diaphragms



Main girder

Diaphragms

Bridge
config.



Inspection Date: September 07, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From the northeastern corner of the intersection, looking southwest



Photo Number: 2

Photo Filename: 2

Attachment Description:

From the east side of the road, looking west



Photo Number: 3

Photo Filename: 3

Attachment Description:

From the west side of the road, looking east



Photo Number: 4

Photo Filename: 4

Attachment Description:

From the southwestern corner of the intersection, looking northeast



Photo Number: 5

Photo Filename: 5

Attachment Description:

From the southwest side of
the bridge, looking
northeast



Photo Number: 6

Photo Filename: 6

Attachment Description:

From the northwest side of
the bridge, looking
southeast



Photo Number: 7

Photo Filename: 7

Attachment Description:

From the east side of the road, looking west



Photo Number: 8

Photo Filename: 8

Attachment Description:

From the northwest corner of the bridge, looking southeast under the bridge



Photo Number: 9

Photo Filename: 9

Attachment Description:

From the northwest corner of the bridge, looking west under the bridge at the pedestal and bearings



Photo Number: 10

Photo Filename: 10

Attachment Description:

From West abutment under bridge looking West of bridge underdeck



Photo Number: 11

Photo Filename: 11

Attachment Description:

From the northwest corner of the bridge, looking northwest at pedestal and bearings



Photo Number: 12

Photo Filename: 12

Attachment Description:

From the northwest corner of the bridge, looking at the pedestal and bearing



Photo Number: 13

Photo Filename: 13

Attachment Description:
From the northwest corner of the bridge, looking down at the northwest pedestal and bearing



Photo Number: 14

Photo Filename: 14

Attachment Description:
From the west abutment side, looking at the east abutment



Photo Number: 15

Photo Filename: 15

Attachment Description:
From the northwest corner of the bridge, looking at the northeast corner of the bridge



Photo Number: 16

Photo Filename: 16

Attachment Description:
From the northwest corner of the bridge, looking at the northwest pedestal and bearing



Photo Number: 17

Photo Filename: 17

Attachment Description:

From on top of the bridge, looking at the conduit along the tracks

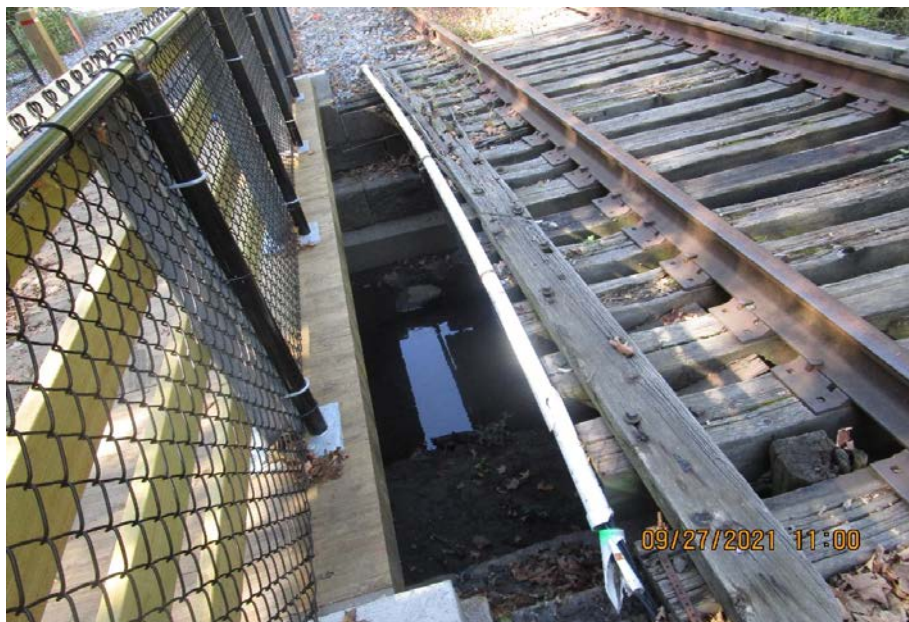


Photo Number: 18

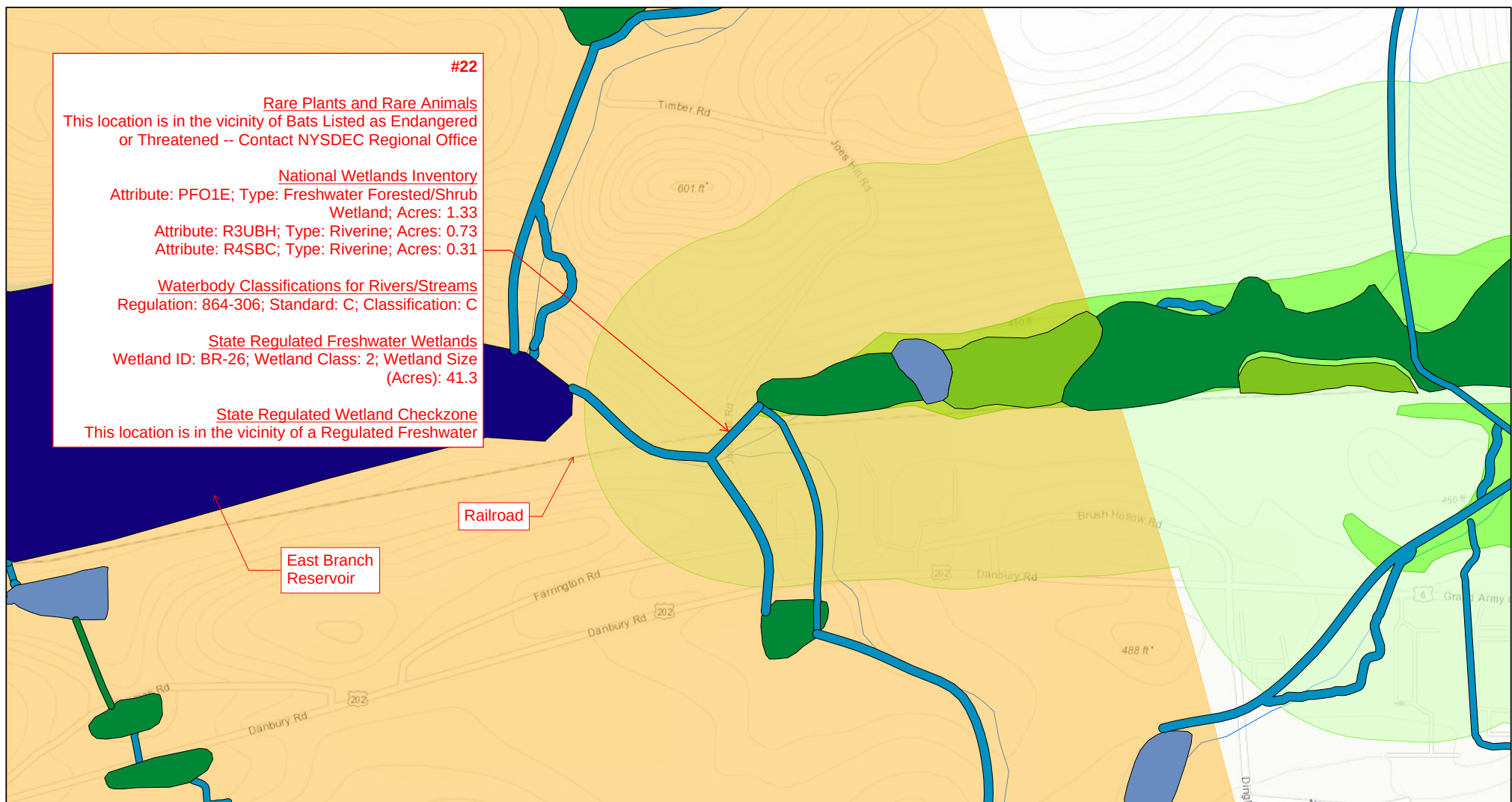
Photo Filename: 18

Attachment Description:

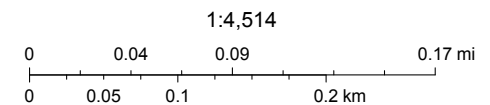
From on top of the bridge, looking at the conduit along the tracks



#22 - NYSDEC

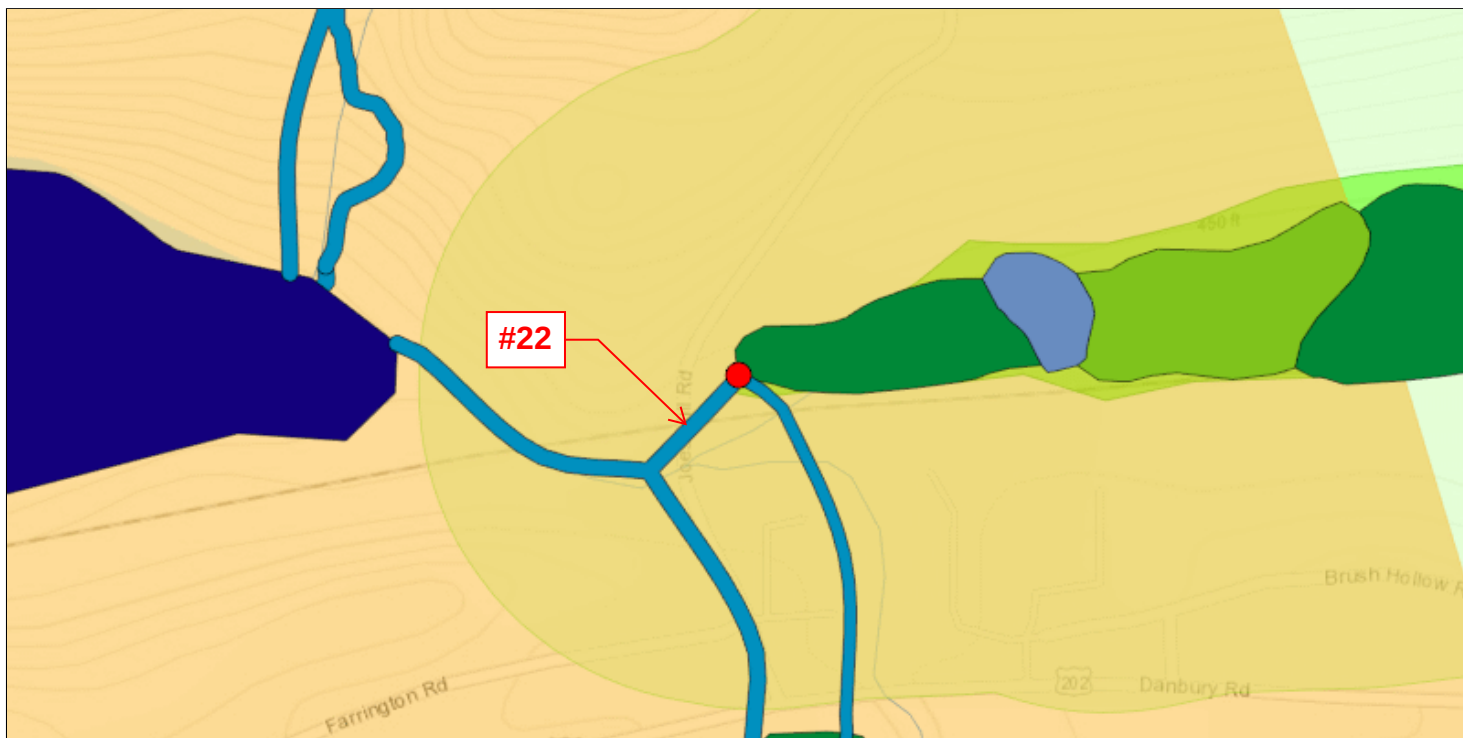


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 619994.4603317296

Northing: 4582891.088864356

Longitude/Latitude

Longitude: -73.56477683327999

Latitude: 41.388613015758644

The approximate address of the point you clicked on is:

8-14 Joes Hill Rd, Brewster, New York, 10509

County: Putnam

Town: Southeast

USGS Quad: BREWSTER

State Regulated Freshwater Wetlands

ID: BR-26

Class: 2

Size (Acres): 41.300000000000004

Freshwater Wetlands Checkzone

This location is in the vicinity of one or more Regulated Freshwater Wetlands.

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this

table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

National Wetlands Inventory

Attribute: PFO1E

Type: Freshwater Forested/Shrub Wetland

Acres: 1.3364723

Attribute: R3UBH

Type: Riverine

Acres: 0.725959638

Attribute: R4SBC

Type: Riverine

Acres: 0.319864896

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code PFO1E:

- P** System **PALUSTRINE**: The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.
- FO** Class **FORESTED**: Characterized by woody vegetation that is 6 m tall or taller.
- 1** Subclass **Broad-Leaved Deciduous**: Woody angiosperms (trees or shrubs) with relatively wide, flat leaves that are shed during the cold or dry season; e.g., black ash (*Fraxinus nigra*).
- E** Water Regime **Seasonally Flooded/Saturated**: Surface water is present for extended periods (generally for more than a month) during the growing season, but is absent by the end of the season in most years. When surface water is absent, the substrate typically remains saturated at or near the surface.

Other Modifier(s):



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R3UBH:

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 3** Subsystem **UPPER PERENNIAL**: This Subsystem is characterized by a high gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists of rock, cobbles, or gravel with occasional patches of sand. The natural dissolved oxygen concentration is normally near saturation. The fauna is characteristic of running water, and there are few or no planktonic forms. The gradient is high compared with that of the Lower Perennial Subsystem, and there is very little floodplain development.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R4SBC:

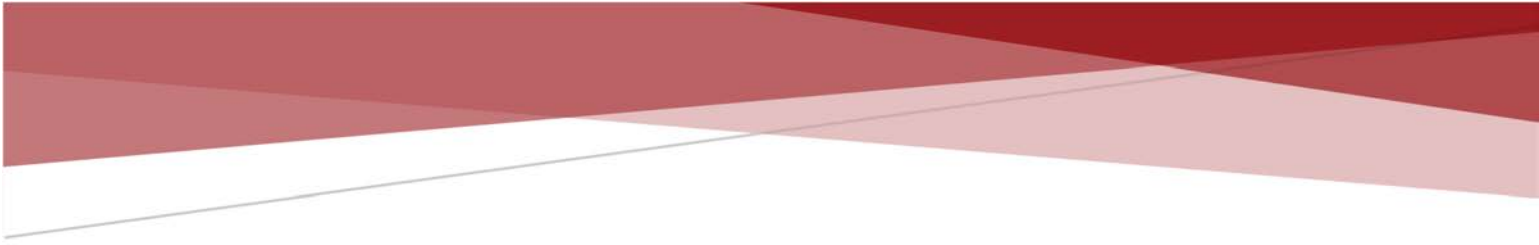
- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 4** Subsystem **INTERMITTENT**: This Subsystem includes channels that contain flowing water only part of the year. When the water is not flowing, it may remain in isolated pools or surface water may be absent.
- SB** Class **STREAMBED**: Includes all wetlands contained within the Intermittent Subsystem of the Riverine System and all channels of the Estuarine System or of the Tidal Subsystem of the Riverine System that are completely dewatered at low tide.
- C** Water Regime **Seasonally Flooded**: Surface water is present for extended periods especially early in the growing season, but is absent by the end of the growing season in most years. The water table after flooding ceases is variable, extending from saturated to the surface to a water table well below the ground surface.

Other Modifier(s):

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #22:

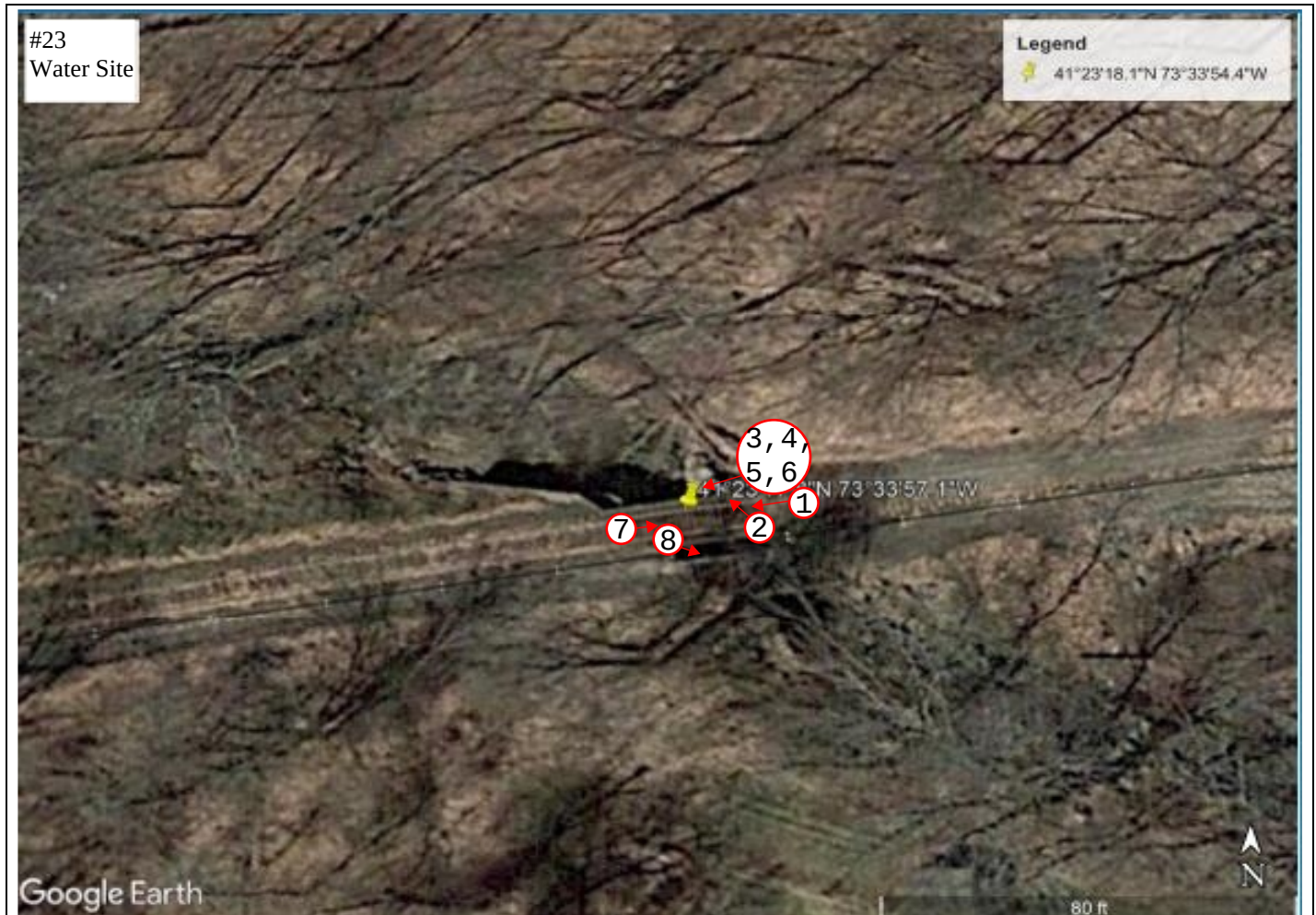
- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area
- Location #22 is near multiple National Wetlands Inventory. One of which is a palustrine, forested, broad-leaved deciduous, that is seasonally flooded/saturated and covers 1.33 acre. The Wetland is located at the rail link. The Wetland is located approximately 120 ft away from the rail link
- Location #22 is near multiple National Wetlands Inventory. One of which is a riverine, upper perennial, unconsolidated bottom, that is permanently flooded and covers 0.73 acre. The Wetland is located at the rail link
- Location #22 is near multiple National Wetlands Inventory. One of which is a riverine, intermittent, streambed, that is seasonally flooded and covers 0.31 acre. The Wetland is located approximately 150 ft away from the rail link
- A stream that flows from the East Branch Reservoir to Nichols Rd is addressed in the Waterbody Classifications for Rivers/Streams under Regulation 864-306, Standard C, and Classification C. This stream is for waters supporting fisheries and suitable for non-contact activities. The classification (C) for this stream is for waters supporting fisheries and suitable for non-contact activities. The stream is located approximately 50 ft away from the rail link
- This location (and the area between East Branch Reservoir and Haines Pond) is a State Regulated Freshwater Wetland. The wetland is identified as BR-26, Class 2, and a size of 41.3 acres. The Wetland is located approximately 100 ft away from the rail link
- This location (and the area between East Branch Reservoir and Haines Pond) is also in a State Regulated Wetland Checkzone



LOCATION SITE #23

Eco/Water site located west of Joes Hill Road in Brewster NY, 10509. The railroad has a newly paved 10'-0" bicycle lane which runs in the east-west direction. There is an old bridge that goes over the small stream. The bridge consists of two I-beams over concrete abutments. There is a large crack on the west abutment in between the railroad bridge and bike lane. A small chain link fence separates the north side of the bike lane and the railroad. There are wildflowers growing on the train tracks before and after the bridge. The width of the bridge is 12'-1" with a height of 4'-1". The distance between the train tracks and bridge is 4'-7".

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 9/7/21	LOCATION - West of Joes Hill Rd Brewster NY 10509
Inspectors: RR, BL	



There is a newly built bike lane that runs parallel south of railroad tracks

Bridge has rivet connections on the girders

Two I-beam built up girders with truss diaphragms

Similar bridge support for newly built bike lane

Large crack noticed in between railroad bridge and bike lane on west abutment

Inspection Date: September 07, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From east abutment, looking west



Photo Number: 2

Photo Filename: 2

Attachment Description:

From east abutment, looking northwest



Photo Number: 3

Photo Filename: 3

Attachment Description:

From northeastern corner of the bridge, looking southwest at the west abutment



Photo Number: 4

Photo Filename: 4

Attachment Description:

From the northeast corner of the bridge, looking southwest at the west abutment



Photo Number: 5

Photo Filename: 5

Attachment Description:

From the northeast corner of the bridge, looking southwest at the west abutment



Photo Number: 6

Photo Filename: 6

Attachment Description:

From the northeast corner of the bridge, looking northwest towards the creek



Photo Number: 7

Photo Filename: 7

Attachment Description:

From the southwest
abutment of the bridge,
looking northeast



Photo Number: 8

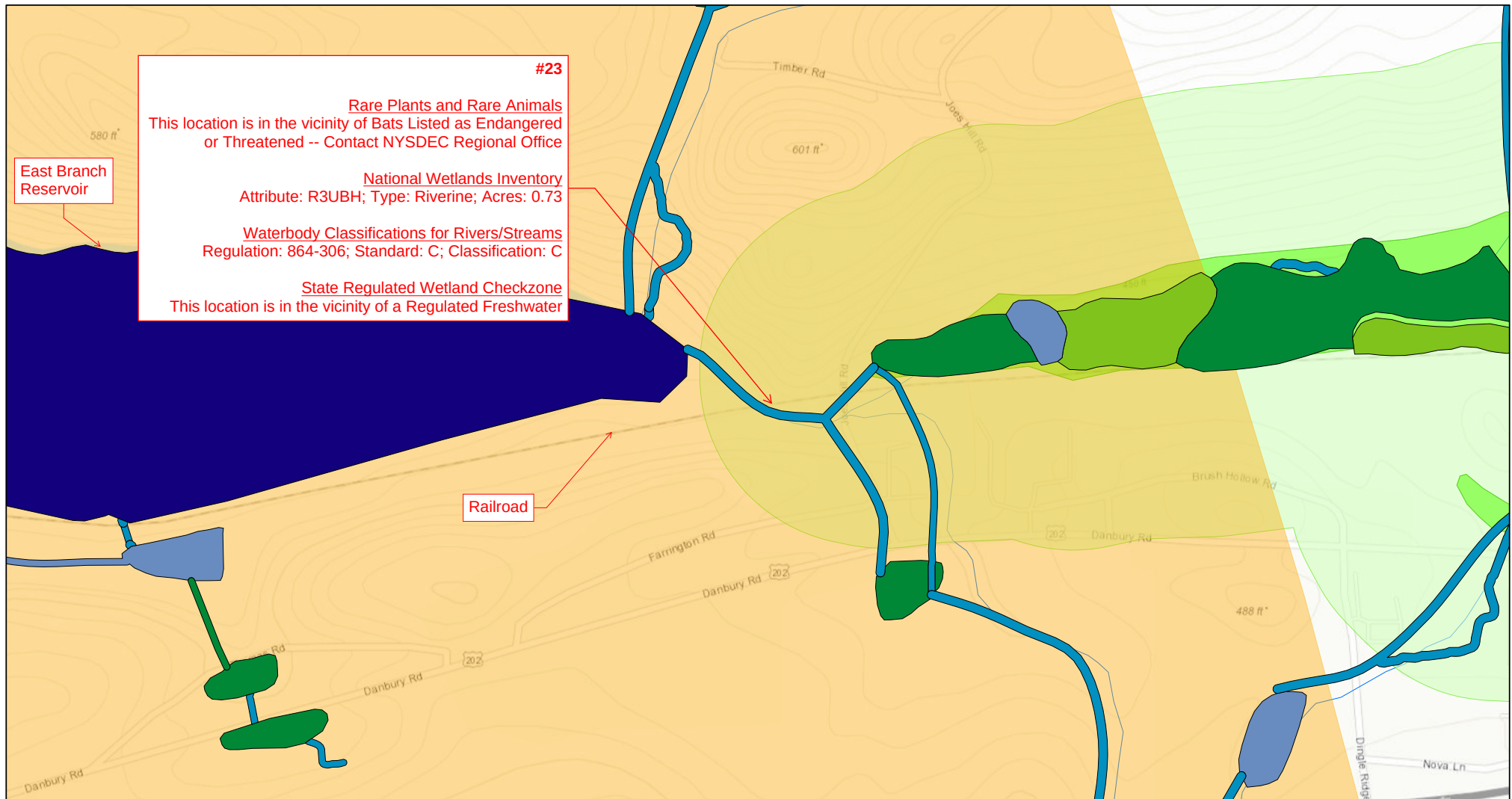
Photo Filename: 8

Attachment Description:

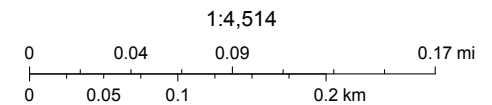
From on top of the bridge,
looking southeast towards
the creek



#23 - NYSDEC

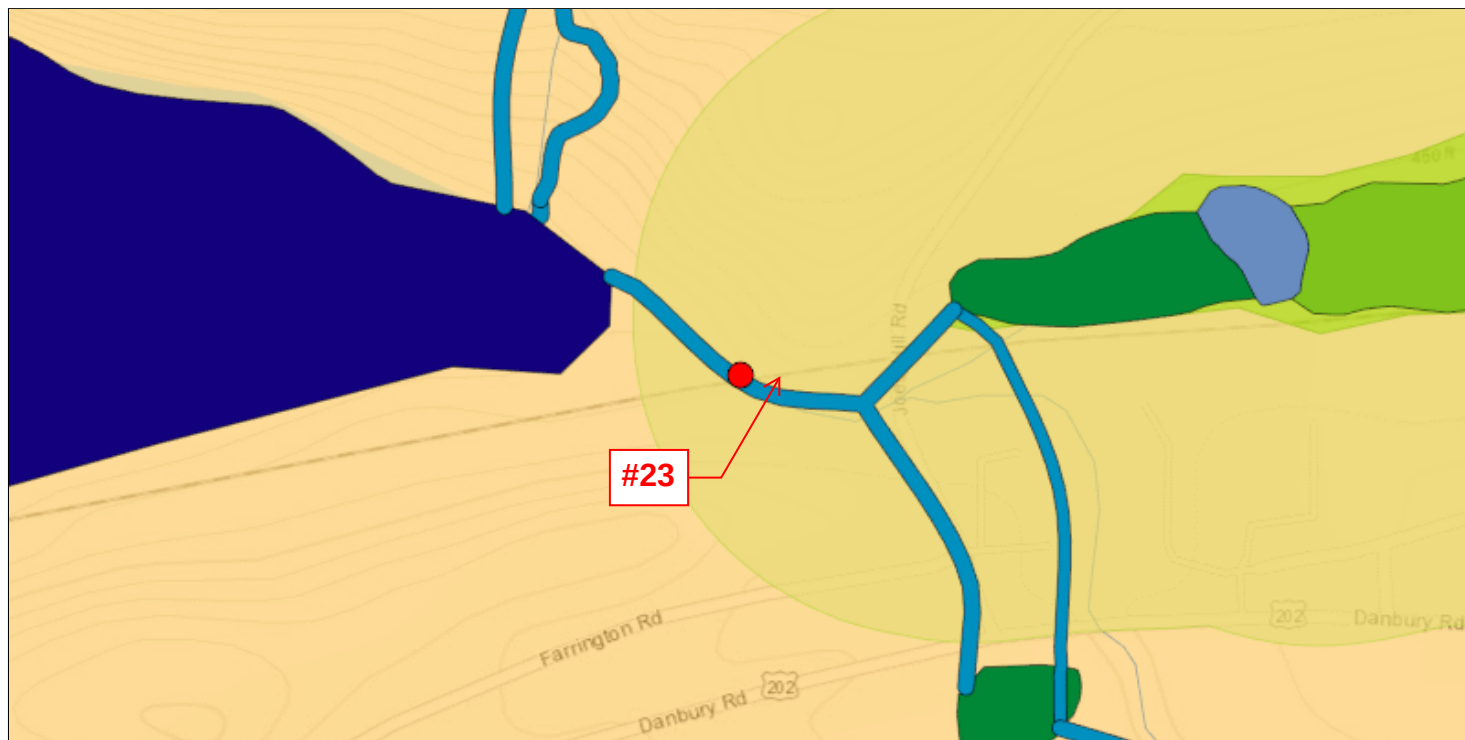


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 619890.8117089714

Northing: 4582856.745898517

Longitude/Latitude

Longitude: -73.56602297337263

Latitude: 41.388319218250274

The approximate address of the point you clicked on is:

3-11 Joes Hill Rd, Brewster, New York, 10509

County: Putnam

Town: Southeast

USGS Quad: BREWSTER

Waterbody Classifications for Rivers/Streams

Regulation: 864-306

Standard: C

Classification: C

Freshwater Wetlands Checkzone

This location is in the vicinity of one or more Regulated Freshwater Wetlands.

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this

table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

National Wetlands Inventory

Attribute: R3UBH

Type: Riverine

Acres: 0.725959638

For more information about the National Wetlands Inventory wetlands visit <https://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R3UBH:

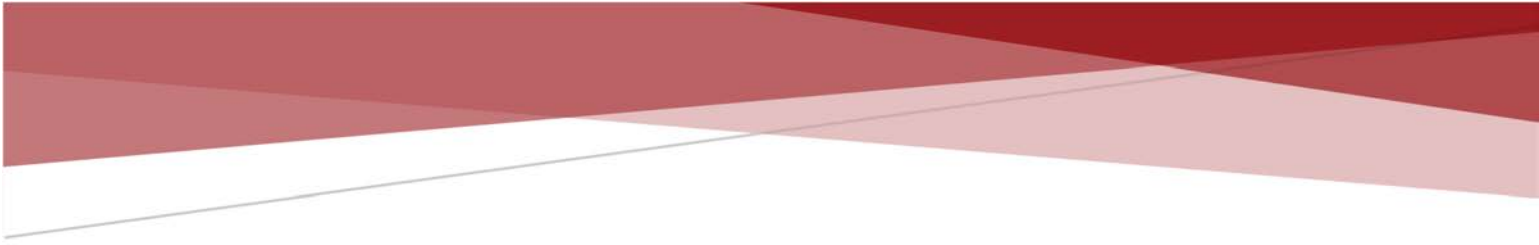
- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 3** Subsystem **UPPER PERENNIAL**: This Subsystem is characterized by a high gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists of rock, cobbles, or gravel with occasional patches of sand. The natural dissolved oxygen concentration is normally near saturation. The fauna is characteristic of running water, and there are few or no planktonic forms. The gradient is high compared with that of the Lower Perennial Subsystem, and there is very little floodplain development.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #23:

- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area
- Location #23 is near a National Wetlands Inventory which is a riverine, upper perennial, unconsolidated bottom, that is permanently flooded that covers 0.73 acre. The Wetland is located approximately 40 ft away from the rail link
- A stream that flows from the East Branch Reservoir to Nichols Rd is addressed in the Waterbody Classifications for Rivers/Streams under Regulation 864-306, Standard C, and Classification C. The classification (C) for this stream is for waters supporting fisheries and suitable for non-contact activities. The stream is located approximately 40 ft away from the rail link
- This location (and the area between East Branch Reservoir and Haines Pond) is in a State Regulated Wetland Checkzone



LOCATION SITE #24

Eco/water site located to the south of the East Branch Reservoir in Brewster, NY. The railroad runs in the east-west direction. There is a new bike lane which runs along the railroad to the south. There is also a small lake to the south. There are power lines which hang over the reservoir and railroad to the east of the site. To the southeast of the site, there is a catch basin, which drains to a 12" flared end bell. The width of the bike lane is 8'-7" and the distance between the train tracks and bike lane is 6'-2". There is a warning sign for trespassing to the east of the site. These signs are present all along the bike lane.

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/07/21	LOCATION - East Branch Reservoir Brewster, NY 10509
Inspectors: RR, BL	



New bike lane parallel south of railroad tracks

Powerlines shown on photo 6 seem to be hanging relatively low

Inspection Date: September 07, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:
From the southwest, looking
northwest



Photo Number: 2

Photo Filename: 2

Attachment Description:
From the southwest, looking
northeast



Photo Number: 3

Photo Filename: 3

Attachment Description:

From the northeast, looking west



Photo Number: 4

Photo Filename: 4

Attachment Description:

From the northeast, looking east



Photo Number: 5

Photo Filename: 5

Attachment Description:

From the south, looking
south at the water



Photo Number: 6

Photo Filename: 6

Attachment Description:

From the northeast, looking
north at the powerlines



Photo Number: 7

Photo Filename: 7

Attachment Description:
From the southeast, looking
south at the drainage pipe



Photo Number: 8

Photo Filename: 8

Attachment Description:
From the southeast, looking
south at the drainage pipe



Photo Number: 9

Photo Filename: 9

Attachment Description:

From the southeast,
looking at the drainage
label

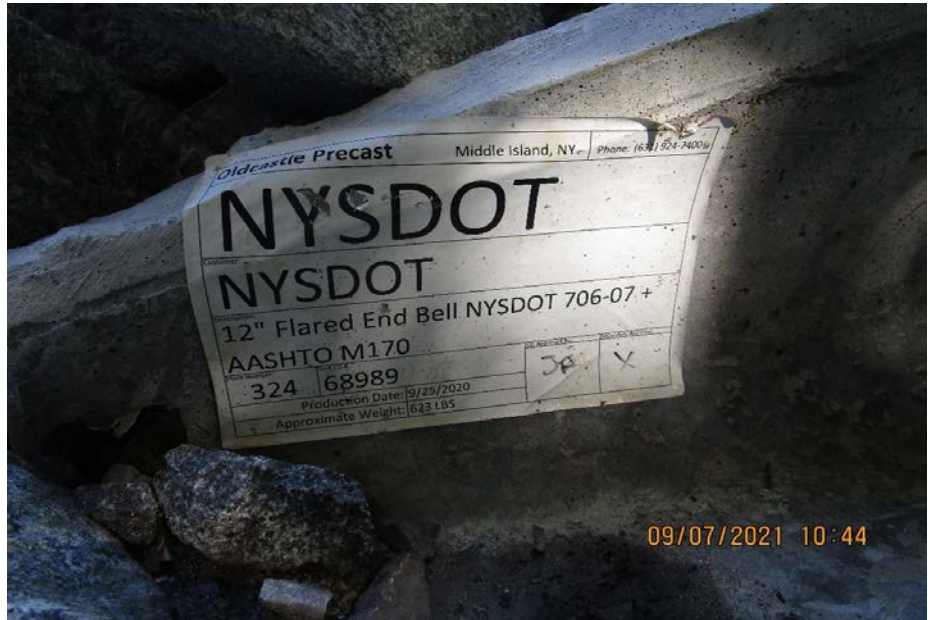


Photo Number: 10

Photo Filename: 10

Attachment Description:

From the south east,
looking at the catch basin
east of the pipe



Photo Number: 11

Photo Filename: 11

Attachment Description:

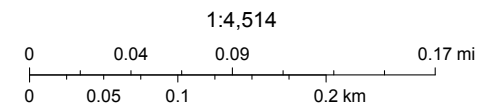
From the bike trail, looking north
at the sign



#24 - NYSDEC

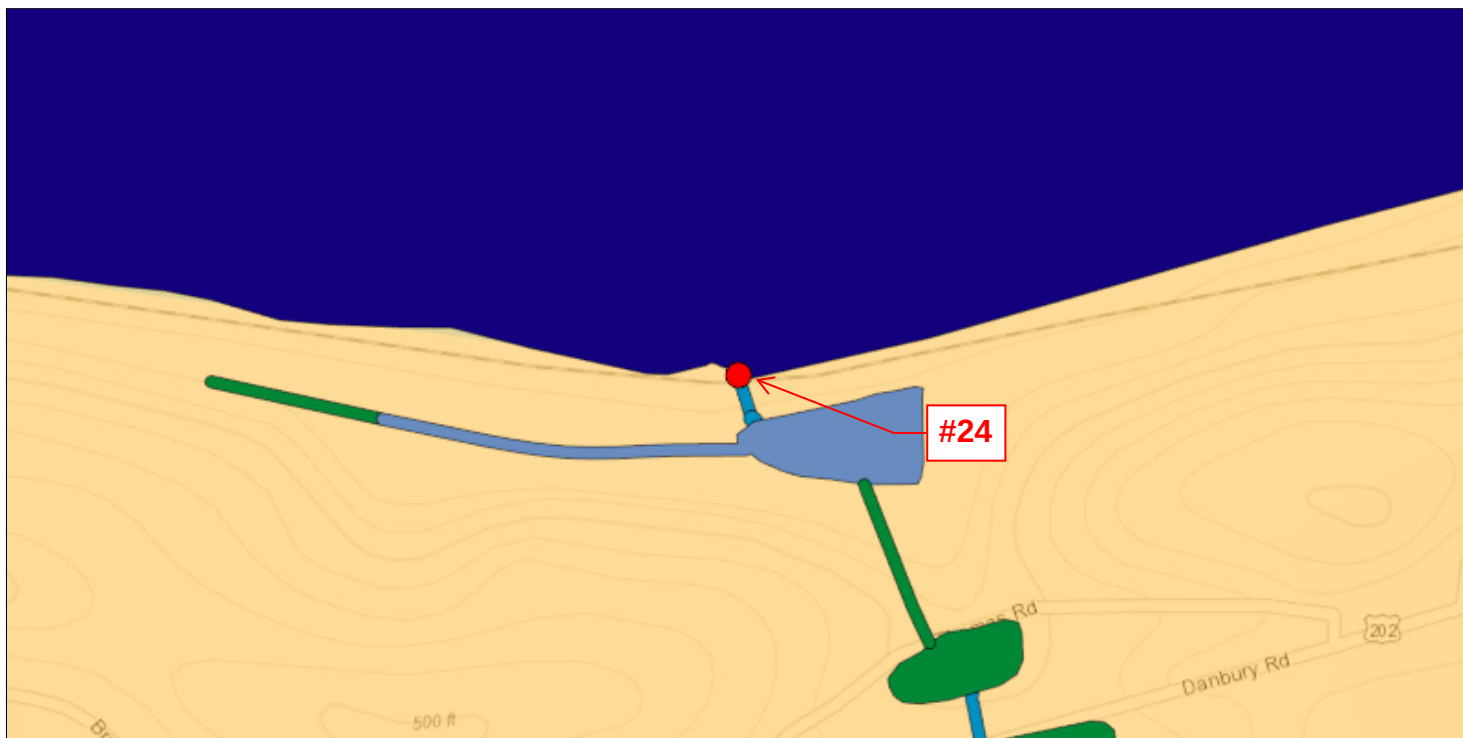


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 619319.8092990558	Northing: 4582740.945092479
Longitude/Latitude	Longitude: -73.57287333519614	Latitude: 41.38736134866044

The approximate address of the point you clicked on is:

Town of Southeast, New York

County: Putnam

Town: Southeast

USGS Quad: BREWSTER

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

National Wetlands Inventory

Attribute: R4SBC

Type: Riverine

National Wetlands Inventory**A ribute:** R4SBC**Type:** Riverine**Acres:** 0.020038403**A ribute:** R5UBH**Type:** Riverine**Acres:** 0.011452068**A ribute:** L1UBHh**Type:** Lake**Acres:** 471.742632512

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

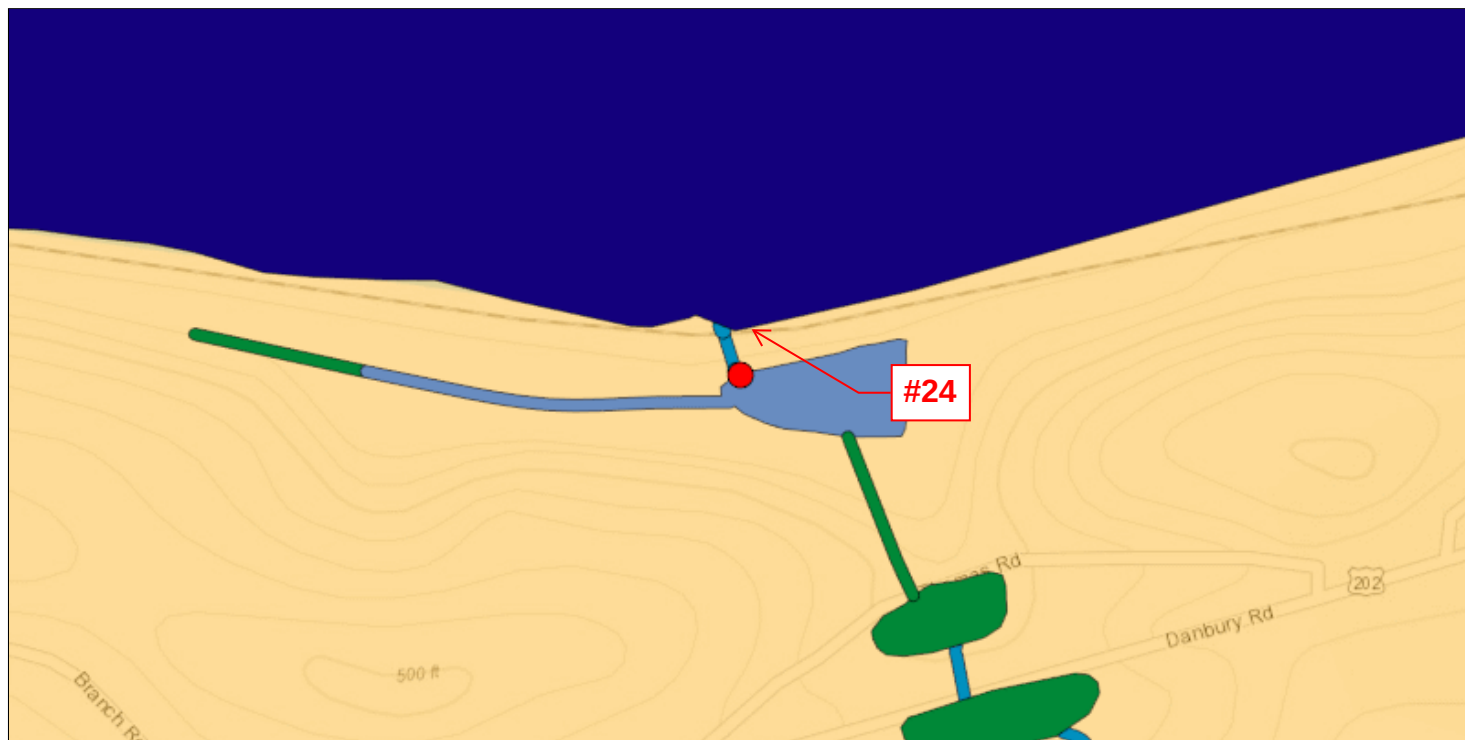
If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 619329.1624736206

Northing: 4582717.857824746

Longitude/Latitude

Longitude: -73.57276604683554

Latitude: 41.387152064350595

The approximate address of the point you clicked on is:

Town of Southeast, New York

County: Putnam

Town: Southeast

USGS Quad: BREWSTER

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

National Wetlands Inventory

Attribute: PUBHh

Type: Freshwater Pond

National Wetlands Inventory**Attribute:** PUBHh**Type:** Freshwater Pond**Acres:** 1.03233936**Attribute:** R4SBC**Type:** Riverine**Acres:** 0.020038403**Attribute:** R5UBH**Type:** Riverine**Acres:** 0.011084697

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code L1UBHh:

- L** System **LACUSTRINE**: The Lacustrine System includes wetlands and deepwater habitats with all of the following characteristics: (1) situated in a topographic depression or a dammed river channel; (2) lacking trees, shrubs, persistent emergents, emergent mosses or lichens with 30 percent or greater areal coverage; and (3) total area of at least 8 hectares (ha) (20 acres). Similar wetlands and deepwater habitats totaling less than 8 ha are also included in the Lacustrine System if an active wave-formed or bedrock shoreline feature makes up all or part of the boundary, or if the water depth in the deepest part of the basin equals or exceeds 2.5 m (8.2 ft) at low water. Lacustrine waters may be tidal or nontidal, but ocean-derived salinity is always less than 0.5 ppt.
- 1** Subsystem **LIMNETIC**: This subsystem includes all deepwater habitats (i.e., areas > 2.5 m [8.2 ft] deep below low water) in the Lacustrine System. Many small Lacustrine Systems have no Limnetic Subsystem.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):

- h** SPECIAL MODIFIER **Diked/Impounded**: These wetlands have been created or modified by a man-made barrier or dam that obstructs the inflow or outflow of water.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code **R5UBH** (this code does not meet the Federal Wetland Classification Standard, but is used in historic and/or scalable data):

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 5** Subsystem **UNKNOWN PERENNIAL**: This Subsystem designation was created specifically for use when the distinction between lower perennial, upper perennial, and tidal cannot be made from aerial photography and no data is available.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R4SBC:

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 4** Subsystem **INTERMITTENT**: This Subsystem includes channels that contain flowing water only part of the year. When the water is not flowing, it may remain in isolated pools or surface water may be absent.
- SB** Class **STREAMBED**: Includes all wetlands contained within the Intermittent Subsystem of the Riverine System and all channels of the Estuarine System or of the Tidal Subsystem of the Riverine System that are completely dewatered at low tide.
- C** Water Regime **Seasonally Flooded**: Surface water is present for extended periods especially early in the growing season, but is absent by the end of the growing season in most years. The water table after flooding ceases is variable, extending from saturated to the surface to a water table well below the ground surface.

Other Modifier(s):



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code PUBHh:

P System **PALUSTRINE**: The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.

UB Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.

H Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):

h SPECIAL MODIFIER **Diked/Impounded**: These wetlands have been created or modified by a man-made barrier or dam that obstructs the inflow or outflow of water.

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #24:

- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area
- Location #24 is near multiple National Wetlands Inventory. One of which is a Lacustrine, limnetic, unconsolidated bottom, that is permanently flooded and diked/impounded and covers 471.7 acres. The Wetland is located approximately 30 ft away from the rail link
- Location #24 is near multiple National Wetlands Inventory. One of which is a riverine, unknown perennial, unconsolidated bottom, that is permanently flooded and covers 0.01 acre. The Wetland is located approximately 30 ft away from the rail link
- Location #24 is near multiple National Wetlands Inventory. One of which is a riverine, intermittent, streambed, that is seasonally flooded and covers 0.02 acre. The Wetland is located approximately 60 ft away from the rail link
- Location #24 is near multiple National Wetlands Inventory. One of which is a palustrine, unconsolidated bottom, that is permanently flooded and diked/impounded and covers 1.03 acre. The Wetland is located approximately 100 ft away from the rail link

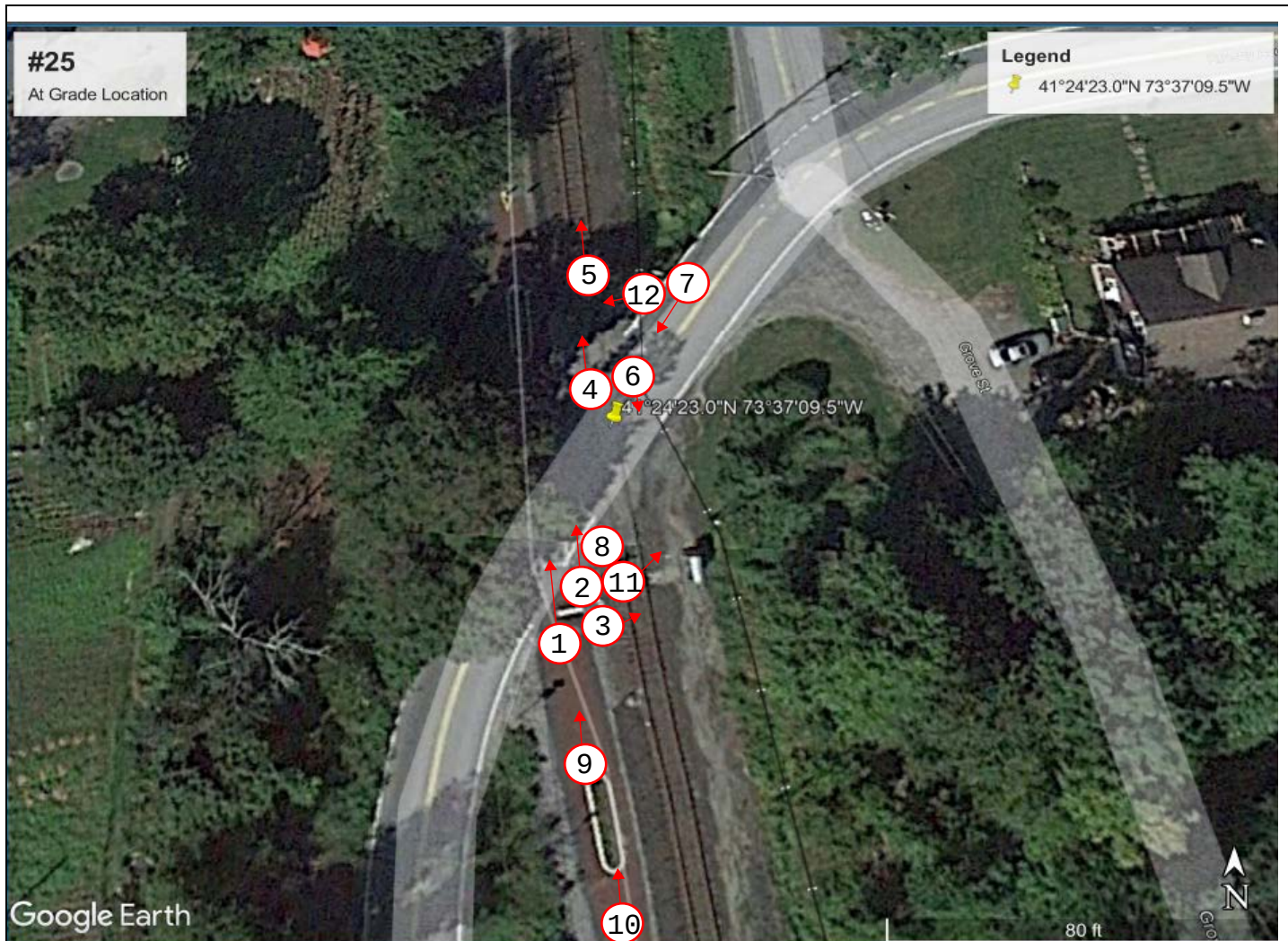


LOCATION SITE #25

AT GRADE SITE #25

The at-grade site is located on Crosby Avenue in Brewster, NY, southwest of the Grove Street and Crosby Avenue intersection. Railroad tracks run in the north-south direction across Crosby Avenue, which runs in the east-west direction with one lane in each direction. A newly paved 10'-0" bike path runs in the north-south direction to the west of the railroad with a 6'-6" chain link fence between them. The bike path widens to 13'-6" and is lined with bricks leading to the intersection. The height of the tracks at the crossing is about 2" and the gauge length is approximately 4'-8".

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date:	LOCATION - Crosby Ave, Brewster, NY 10509
Inspectors: RR, BL	



At grade site #25 on Crosby Avenue in Brewster, NY

Tracks run in the north-south direction

Bike path to the west of the tracks

Inspection Date: September 07, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From south of the
intersection, looking north



Photo Number: 2

Photo Filename: 2

Attachment Description:

From south of the
intersection, looking north



Photo Number: 3

Photo Filename: 3

Attachment Description:

From south of the
intersection, looking east



Photo Number: 4

Photo Filename: 4

Attachment Description:

From the intersection,
looking north



Photo Number: 5

Photo Filename: 5

Attachment Description:

From the train tracks,
looking north



Photo Number: 6

Photo Filename: 6

Attachment Description:

From north of the
intersection, looking south



Photo Number: 7

Photo Filename:7

Attachment Description:

From north of the intersection,
looking southwest



Photo Number: 8

Photo Filename: 8

Attachment Description:

From south of the
intersection, looking east at
the railroad



Photo Number: 9

Photo Filename: 9

Attachment Description:

From south of the intersection, looking at the width measurement of the new brick paved bike path



Photo Number: 10

Photo Filename: 10

Attachment Description:

From south of the intersection, looking at the width measurement of the paved bike lane



Photo Number: 11

Photo Filename: 11

Attachment Description:

From south of the intersection, looking northeast at the railroad crossing sign



Photo Number: 12

Photo Filename: 12

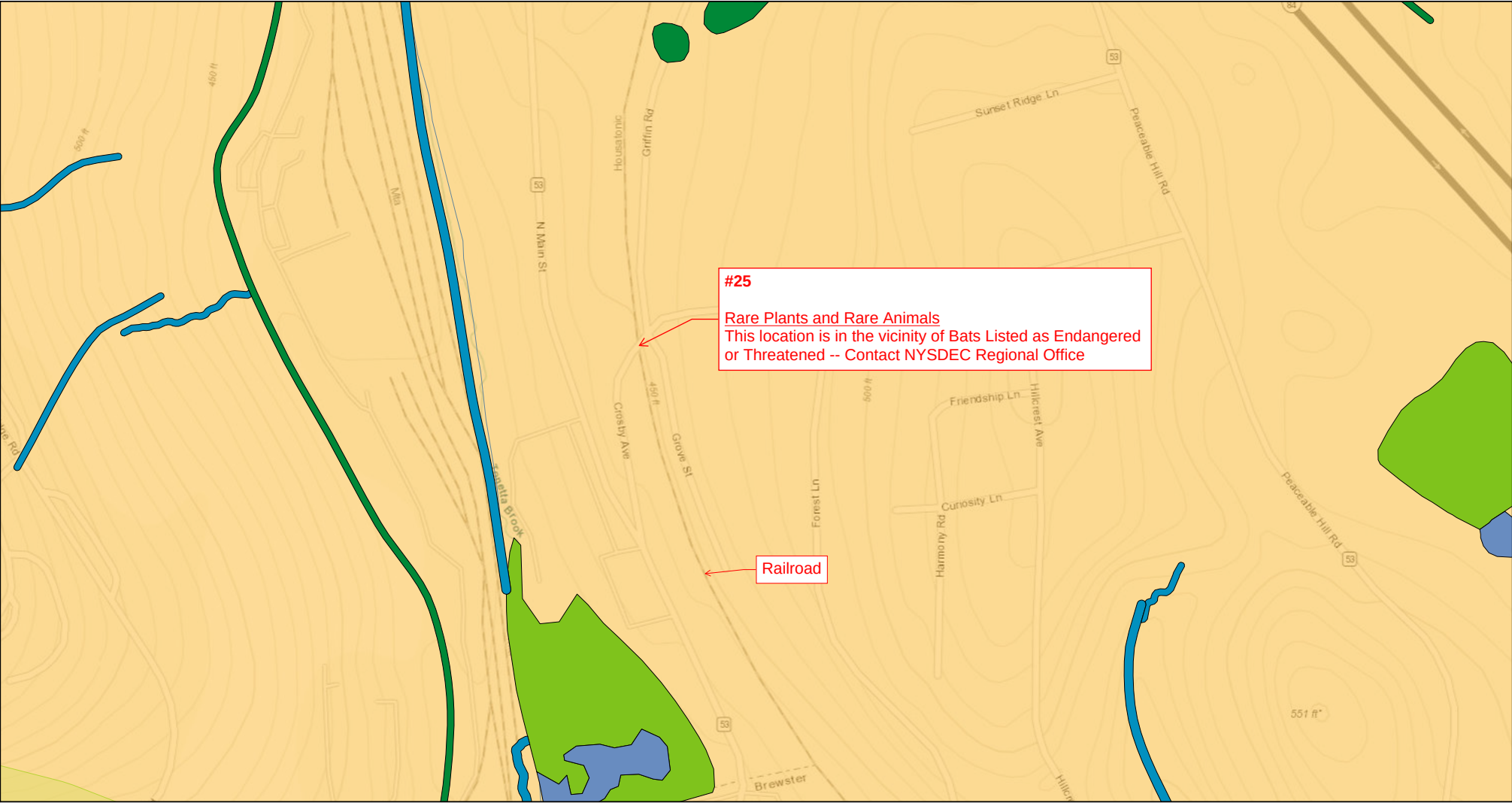
Attachment Description:

From N of intersection looking W at signs

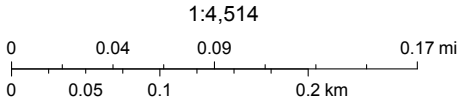
From north of the intersection, looking west at the signs



#25 - NYSDEC

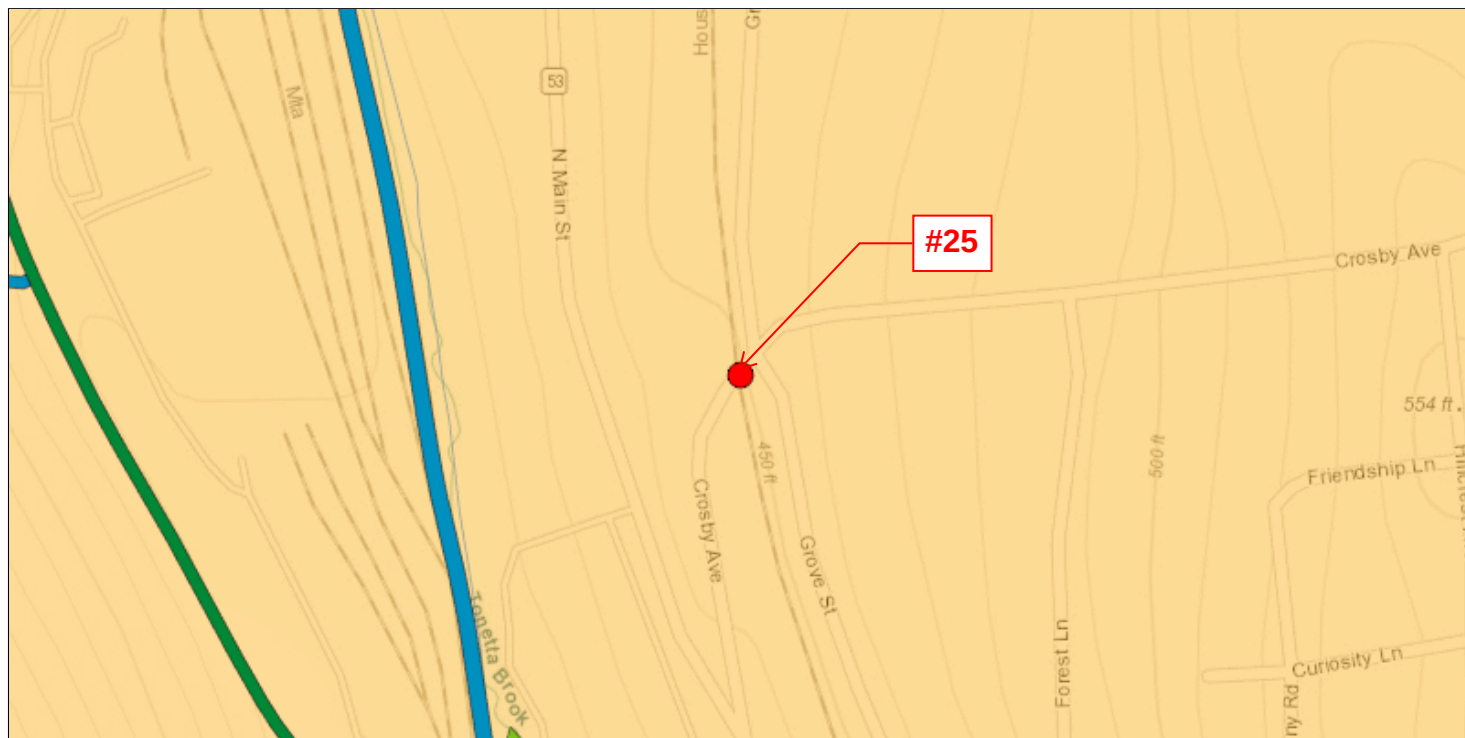


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 615411.5192448329

Northing: 4584796.39692926

Longitude/Latitude

Longitude: -73.61921357720476

Latitude: 41.40644088226831

The approximate address of the point you clicked on is:

Crosby Ave, Brewster, New York, 10509

County: Putnam

Town: Southeast

USGS Quad: BREWSTER

[Old or Potential Records \(Not displayed on the map\)](#)

Common Name: Woodland Agrimony

Scientific Name: Agrimonia rostellata

Date Last Documented: 1916-09-05

Location: Dykemans

NYS Protected: Threatened

[Natural Communities in the Vicinity](#)

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

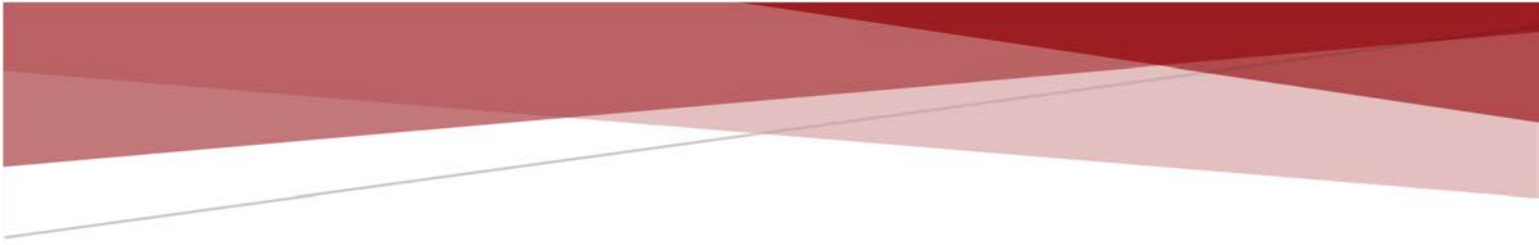
Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #25:

- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area



LOCATION SITE #26

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 8, 2021

Structure Information

<i>BIN:</i> 7345730 <i>Feature Crossed:</i> Peaceable Hill Road <i>Type of Crossing:</i> UNDERGRADE <i>Bridge Mile:</i> 37.26 <i>Skew (°):</i> 12.65 <i>Type of Bridge Structure:</i> I-Beam <i>Type of Deck:</i> Concrete Slab <i>Number of Spans:</i> 1 <i>Length of Span(ft):</i> 25 <i>Center-Center Beam Width (ft):</i> 25.25 <i>Width Girder (ft):</i> 0.83 <i>Out-To-Out Width (ft.):</i> 26.08	<i>Site:</i> 26 <i>County:</i> Putnam <i>City:</i> Brewster <i>Approximate Year Built:</i> 1947 <i>Primary Owner:</i> Unknown <i>Maintenance Responsibility:</i> Metro-North (Framework & Abutments) <i>Maintenance Responsibility:</i> Metro-North (Roadway & Approaches)
---	---

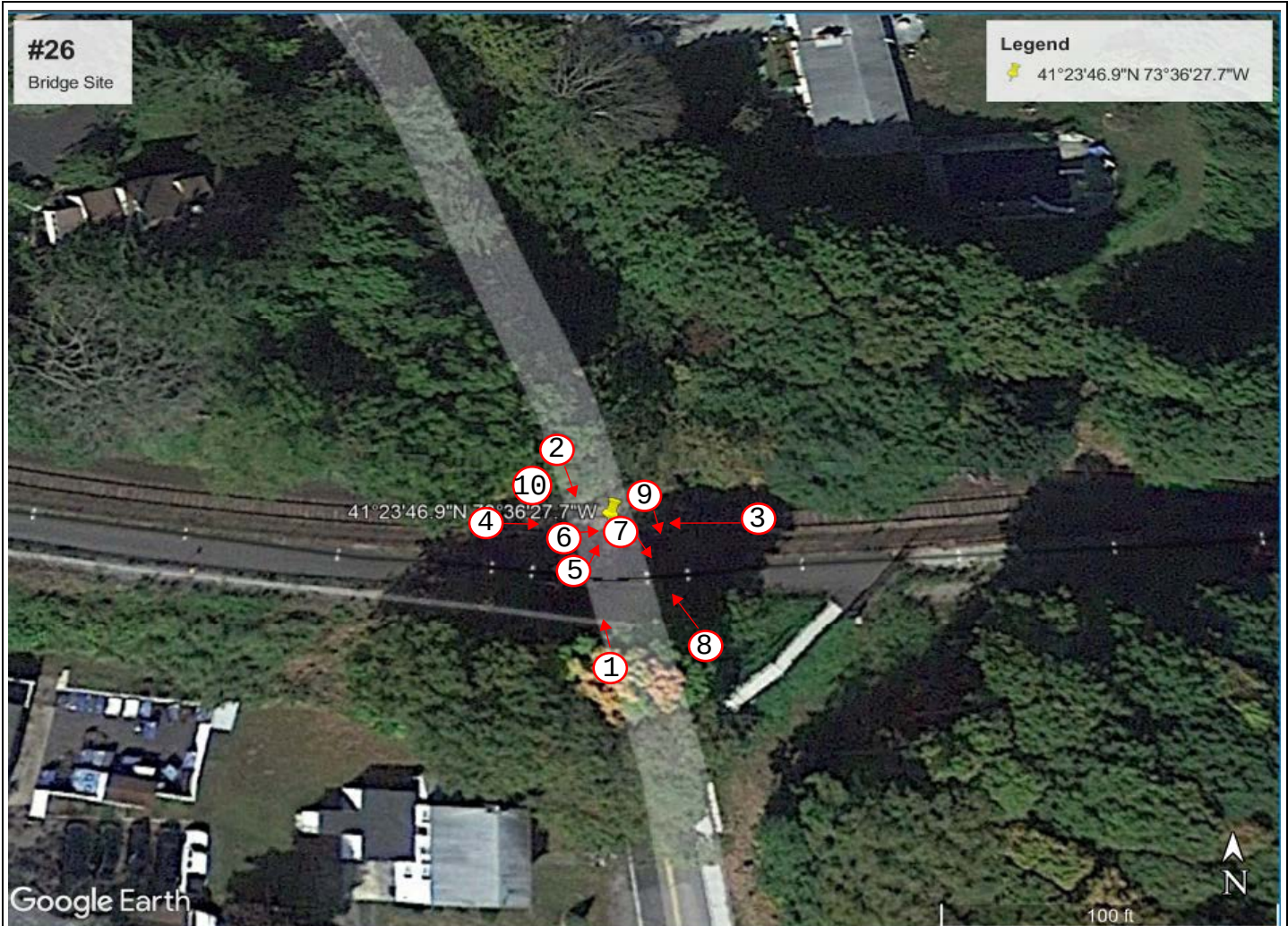
Railroad Information

Railroad Line: Beacon
Number of Tracks: 1
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
*Center Track to
Inside Girder (ft.):* 19
*Clear Dist. To
South of Track (ft.):* 16.646

Notable Features

Utilities carried on bridge: None
Utilities parallel to the bridge: None
*Vertical Clearance less than
legal minimum (ft):* (posted)
Bike Lane width (ft): 10.5
*Dist. From edge of track to
bike lane width (ft.):* 10
Fence Height (ft): 7
Vegetation: Heavy
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/08/2021	52 Peaceable Hill Rd
Inspectors: RR, BL	LOCATION - Brewster NY 10509



10.25' Vertical clearance.
Abutments both show typical wear and tear concrete cracks and spalling.
Superstructure girders rusted.
No utilities seen on site.
Possible asbestos unclear.
Single track on wooden ties.
Gravel ballast.
Bike lane parallel south of tracks.

Photo Number: 1

Photo Filename: 1

Attachment Description:

South elevation of Peaceable
Hill Road bridge, looking north



Photo Number: 2

Photo Filename: 2

Attachment Description:

North elevation of Peaceable Hill
Road bridge, looking south



Photo Number: 3

Photo Filename: 3

Attachment Description:
On top of the east abutment of
Peaceable Hill Road bridge,
looking west



Photo Number: 4

Photo Filename: 4

Attachment Description:
On top of the west abutment of
Peaceable Hill Road bridge, looking
east



Photo Number: 5

Photo Filename: 5

Attachment Description:

From southwest corner of the west abutment, looking up and northeast towards the bridge underdeck



Photo Number: 6

Photo Filename: 6

Attachment Description:

Underside of the bridge, looking towards the east abutment



Photo Number: 7

Photo Filename: 7

Attachment Description:

From midspan of the bridge,
looking southeast towards the
east abutment



Photo Number: 8

Photo Filename: 8

Attachment Description:

From the southeast corner of the
bridge, looking northwest
towards the west abutment



Photo Number: 9

Photo Filename: 9

Attachment Description:
From midspan of the bridge
on the north side, looking
southwest towards the west
abutment



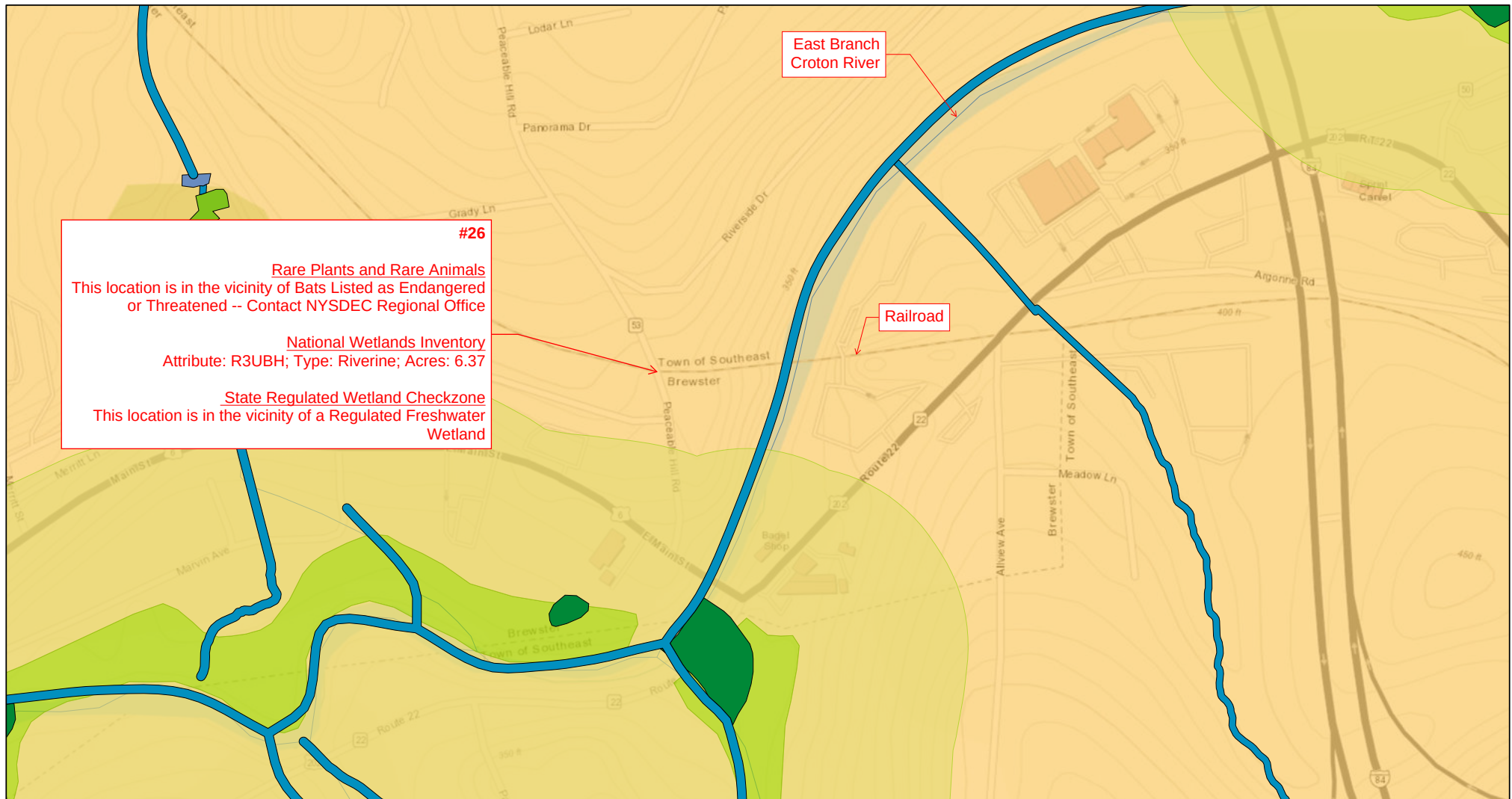
Photo Number: 10

Photo Filename: 10

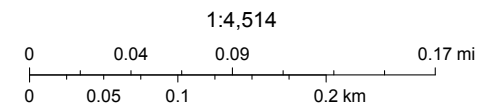
Attachment Description:
Near the northwest corner of the
bridge, south of the train tracks
looking at the W2-2 sign



#26 - NYSDEC

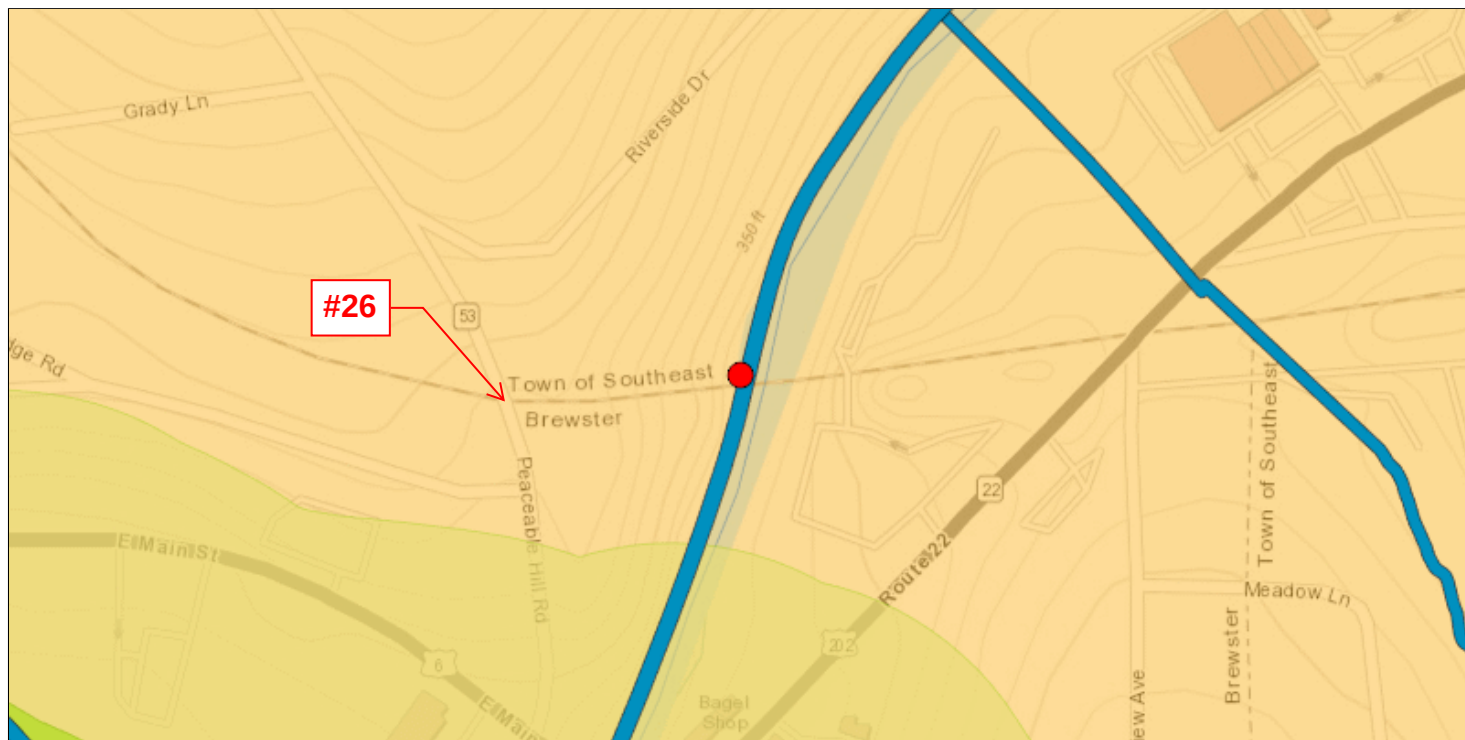


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 616504.6919987269

Northing: 4583711.398002547

Longitude/Latitude

Longitude: -73.6063473036988

Latitude: 41.39651285363844

The approximate address of the point you clicked on is:

Town of Southeast, New York

County: Putnam

Town: Southeast

Village: Brewster

USGS Quad: BREWSTER

[Natural Communities in the Vicinity](#)

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

[Rare Plants and Rare Animals](#)

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

National Wetlands Inventory**A ribute:** R3UBH**Type:** Riverine**Acres:** 6.37443824

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

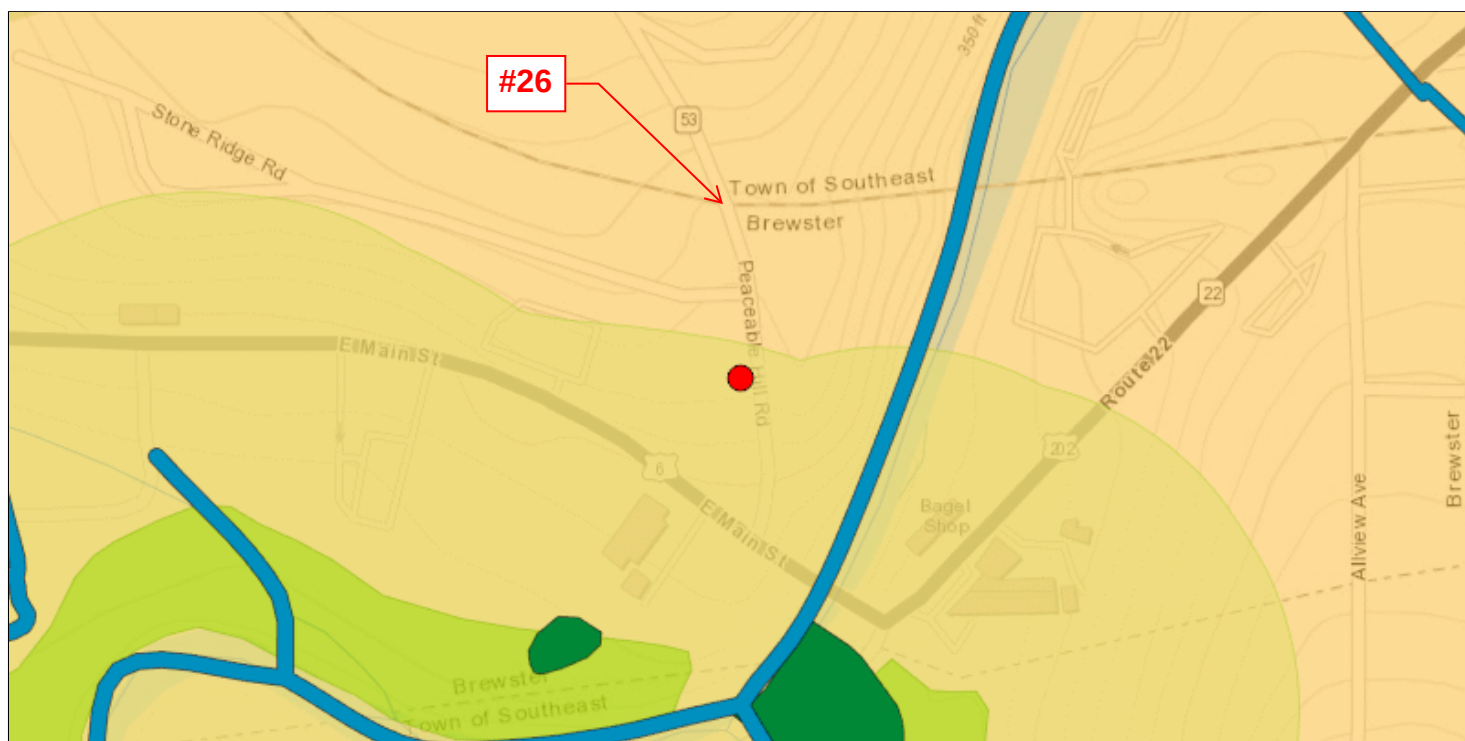
If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 616397.7305439414

Northing: 4583612.257741292

Longitude/Latitude

Longitude: -73.60764549286189

Latitude: 41.395635588413754

The approximate address of the point you clicked on is:

45 Peaceable Hill Rd, Brewster, New York, 10509

County: Putnam

Town: Southeast

Village: Brewster

USGS Quad: BREWSTER

Freshwater Wetlands Checkzone

This location is in the vicinity of one or more Regulated Freshwater Wetlands.

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R3UBH:

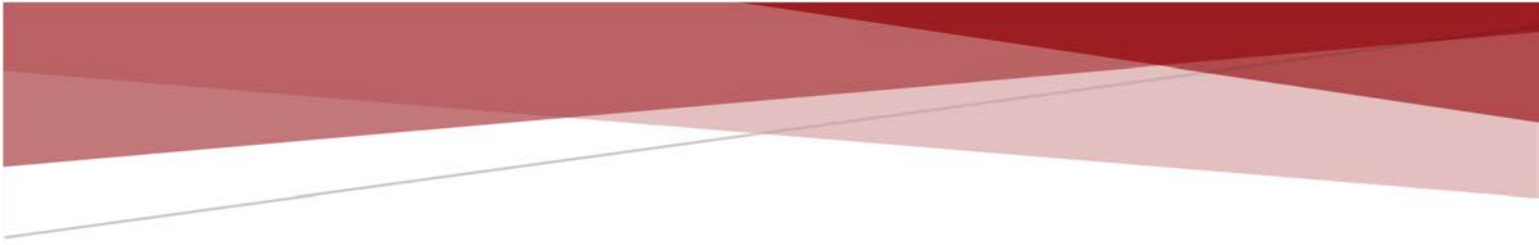
- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 3** Subsystem **UPPER PERENNIAL**: This Subsystem is characterized by a high gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists of rock, cobbles, or gravel with occasional patches of sand. The natural dissolved oxygen concentration is normally near saturation. The fauna is characteristic of running water, and there are few or no planktonic forms. The gradient is high compared with that of the Lower Perennial Subsystem, and there is very little floodplain development.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #26:

- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area
- Location #26 is near a National Wetlands Inventory which is a Riverine, Upper Perennial, Unconsolidated Bottom that is Permanently Flooded that covers roughly 6.37 Acres. The Wetland is located approximately 300 ft away from the rail link
- This location (and the central area of Brewster, NY) is in the vicinity of a regulated Freshwater Wetland. The Wetland is located approximately 400 ft away from the rail link



LOCATION SITE #27

AT GRADE SITE #27

At grade site located in between Joes Hill Road and Haines Pond. The railroad tracks run in the east-west direction along a new bike path to the south. The stream runs north-south underneath through an 8'-6" concrete culvert. The distance from the headwall of the culvert to the train tracks is 8'-0". To the north of the stream are trees and to the south are wetlands. A trench drain runs along a small wall on the south end of the bike path. The width of the bike path is 8'-7" and the width of the trench drain is 2'-0". The wall at the site has a height of 10" and a width of 2'-2".

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/07/21	LOCATION - West of Haines Pond
Inspectors: RR, BL	



At grade site #27 west of Haines Pond

Inspection Date: September 07, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

On the bike trail south of the
railroad tracks, looking north



Photo Number: 2

Photo Filename: 2

Attachment Description:

On the train tracks, looking
west



Photo Number: 3

Photo Filename: 3

Attachment Description:

On the train tracks,
looking east



Photo Number: 4

Photo Filename: 4

Attachment Description:

On the west wingwall,
looking down



Photo Number: 5

Photo Filename: 5

Attachment Description:

On the west wingwall,
looking north



Photo Number: 6

Photo Filename: 6

Attachment Description:

On the bike trail, looking
south



Photo Number: 7

Photo Filename: 7

Attachment Description:

On the bike trail, looking
down at the water



Photo Number: 8

Photo Filename: 8

Attachment Description:

On the bike trail, looking
down at the water



Photo Number: 9

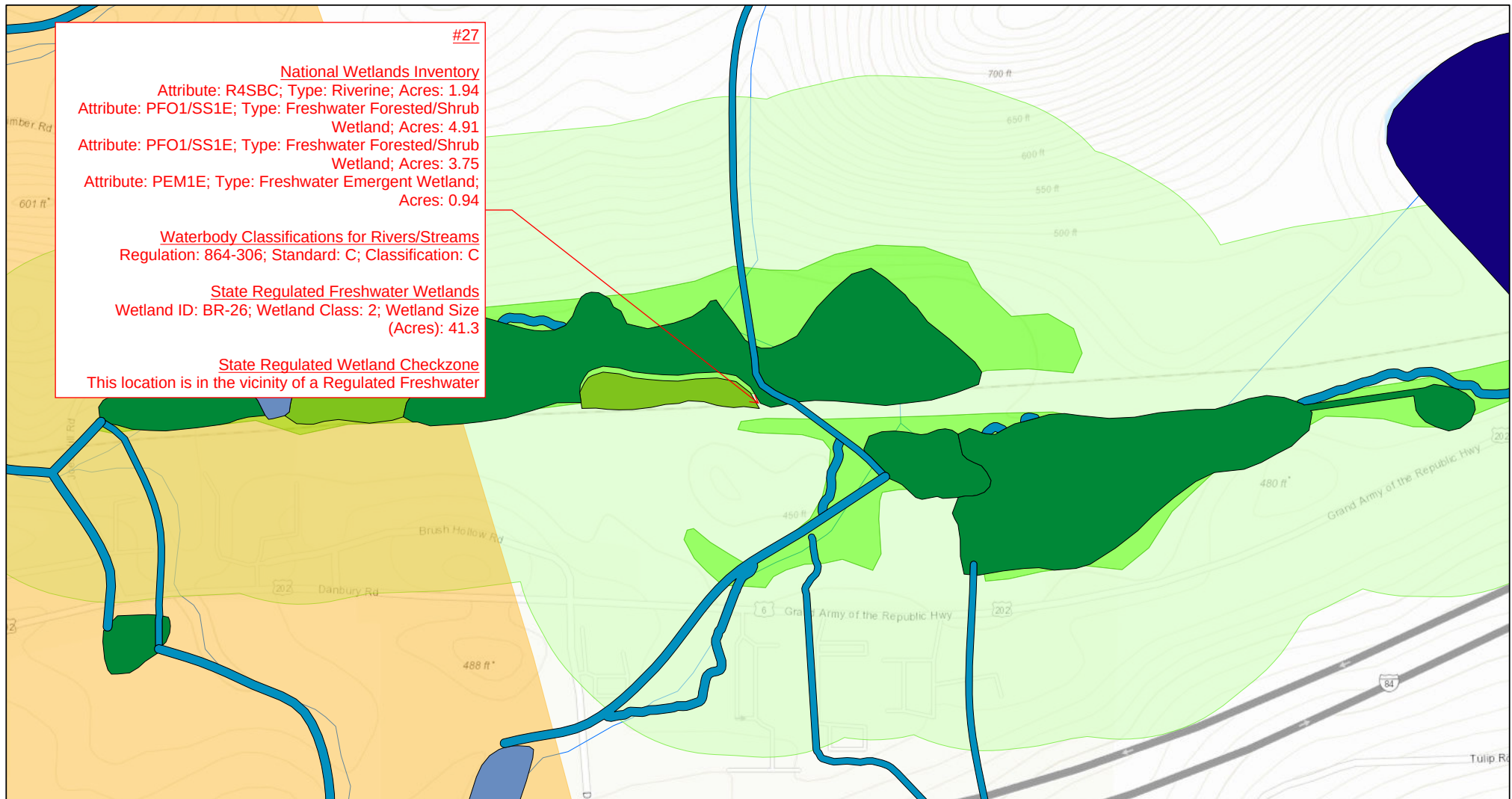
Photo Filename: 9

Attachment Description:

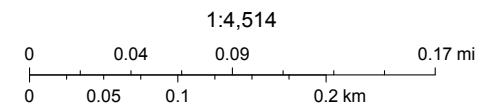
On the bike trail, looking
west



#27 - NYSDEC

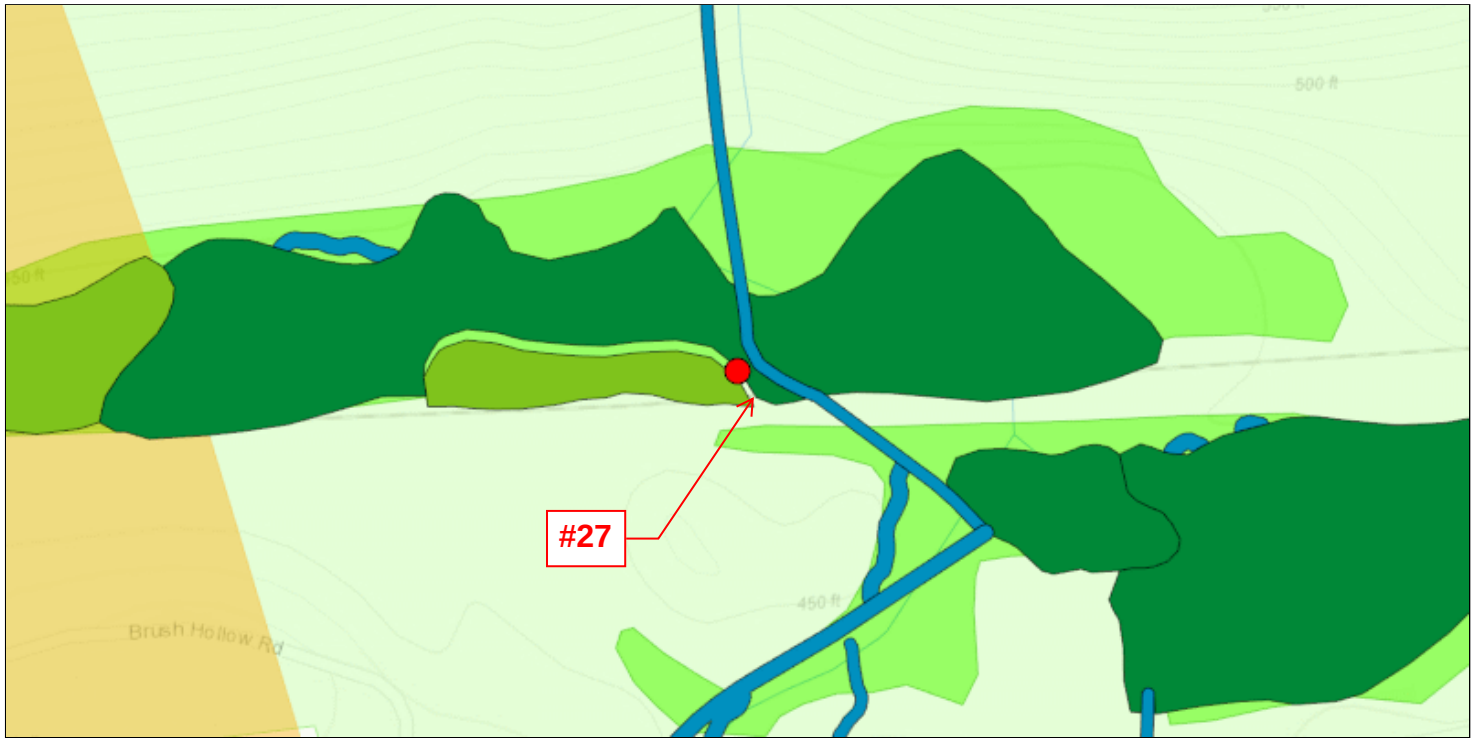


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 620580.1540012868	Northing: 4582929.449276053
Longitude/Latitude	Longitude: -73.55776598071778	Latitude: 41.388870863891796

The approximate address of the point you clicked on is:
Town of Southeast, New York

County: Putnam
Town: Southeast
USGS Quad: BREWSTER

State Regulated Freshwater Wetlands

ID: BR-26
Class: 2
Size (Acres): 41.300000000000004

Freshwater Wetlands Checkzone

This location is in the vicinity of one or more Regulated Freshwater Wetlands.

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this

table for more information.

Ecological System:

National Wetlands Inventory

Attribute: PEM1E

Type: Freshwater Emergent Wetland

Acres: 0.943529335

Attribute: PFO1/SS1E

Type: Freshwater Forested/Shrub Wetland

Acres: 4.911586535

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

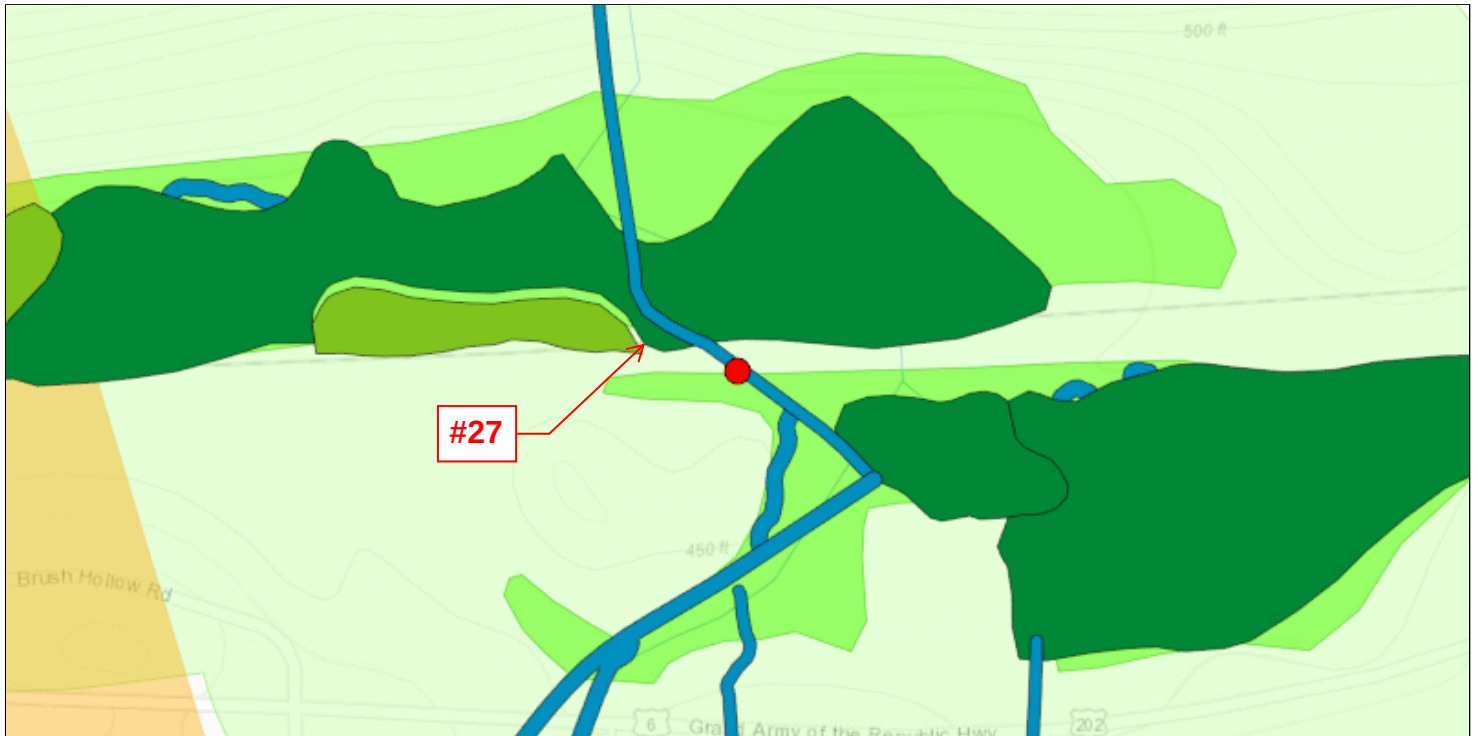
If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 620635.304030789	Northing: 4582904.444912458
Longitude/Latitude	Longitude: -73.55711152171821	Latitude: 41.388637436768626

The approximate address of the point you clicked on is:
Town of Southeast, New York

County: Putnam
Town: Southeast
USGS Quad: BREWSTER

State Regulated Freshwater Wetlands

ID: BR-26
Class: 2
Size (Acres): 41.300000000000004

Freshwater Wetlands Checkzone

This location is in the vicinity of one or more Regulated Freshwater Wetlands.

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this

table for more information.

Ecological System:

National Wetlands Inventory

Attribute: R4SBC

Type: Riverine

Acres: 1.94641529

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R4SBC:

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 4** Subsystem **INTERMITTENT**: This Subsystem includes channels that contain flowing water only part of the year. When the water is not flowing, it may remain in isolated pools or surface water may be absent.
- SB** Class **STREAMBED**: Includes all wetlands contained within the Intermittent Subsystem of the Riverine System and all channels of the Estuarine System or of the Tidal Subsystem of the Riverine System that are completely dewatered at low tide.
- C** Water Regime **Seasonally Flooded**: Surface water is present for extended periods especially early in the growing season, but is absent by the end of the growing season in most years. The water table after flooding ceases is variable, extending from saturated to the surface to a water table well below the ground surface.

Other Modifier(s):



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code PFO1/SS1E:

- P** System **PALUSTRINE**: The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.
- FO** Class **FORESTED**: Characterized by woody vegetation that is 6 m tall or taller.
- 1** Subclass **Broad-Leaved Deciduous**: Woody angiosperms (trees or shrubs) with relatively wide, flat leaves that are shed during the cold or dry season; e.g., black ash (*Fraxinus nigra*).
- SS** Class **SCRUB-SHRUB**: Includes areas dominated by woody vegetation less than 6 m (20 feet) tall. The species include true shrubs, young trees (saplings), and trees or shrubs that are small or stunted because of environmental conditions.
- 1** Subclass **Broad-Leaved Deciduous**: Woody angiosperms (trees or shrubs) with relatively wide, flat leaves that are shed during the cold or dry season; e.g., black ash (*Fraxinus nigra*).
- E** Water Regime **Seasonally Flooded/Saturated**: Surface water is present for extended periods (generally for more than a month) during the growing season, but is absent by the end of the season in most years. When surface water is absent, the substrate typically remains saturated at or near the surface.

Other Modifier(s):



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code PEM1E:

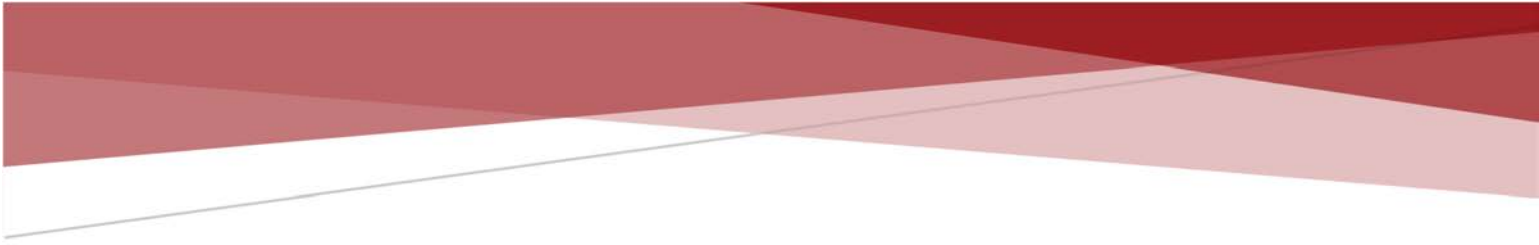
- P** System **PALUSTRINE**: The Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean-derived salts less than 0.5 ppt.
- EM** Class **EMERGENT**: Characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. This vegetation is present for most of the growing season in most years. These wetlands are usually dominated by perennial plants.
- 1** Subclass **Persistent**: Dominated by species that normally remain standing at least until the beginning of the next growing season. This subclass is found only in the Estuarine and Palustrine systems.
- E** Water Regime **Seasonally Flooded/Saturated**: Surface water is present for extended periods (generally for more than a month) during the growing season, but is absent by the end of the season in most years. When surface water is absent, the substrate typically remains saturated at or near the surface.

Other Modifier(s):

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #27:

- Location #27 is near multiple National Wetlands Inventory. One of which is a riverine, intermittent, streambed, that is seasonally flooded and covers 1.94 acre. The Wetland is located approximately 80 ft away from the rail link
- Location #27 is near multiple National Wetlands Inventory. One of which is a palustrine, forested, broad-leaved deciduous, class scrub-shrub that is seasonally flooded/saturated and covers 4.91 acres. The Wetland is located at the rail link
- Location #27 is near multiple National Wetlands Inventory. One of which is a palustrine, emergent, persistent, that is seasonally flooded/saturated and covers 0.94 acre. The Wetland is located at the rail link
- A stream that flows from the Haines Pond to Hickory Ridge Rd is addressed in the Waterbody Classifications for Rivers/Streams under Regulation 864-306, Standard C, and Classification C. The classification (C) for this stream is for waters supporting fisheries and suitable for non-contact activities. The stream is located approximately 120 ft away from the rail link
- This location (and the area between East Branch Reservoir and Haines Pond) is a State Regulated Freshwater Wetland. The wetland is identified as BR-26, Class 2, and a size of 41.3 acres. The Wetland is located approximately 20 ft away from the rail link
- This location (and the area between East Branch Reservoir and Haines Pond) is also in a State Regulated Wetland Checkzone



LOCATION SITE #28

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 8, 2021

Structure Information

<i>BIN:</i> 7003530 <i>Feature Crossed:</i> Route 6 & 202 <i>Type of Crossing:</i> UNDERGRADE <i>Bridge Mile:</i> 37.35 <i>Skew (°):</i> 43.88 <i>Type of Bridge Structure:</i> Through Girder <i>Type of Deck:</i> Concrete Slab <i>Number of Spans:</i> 1 <i>Length of Span(ft):</i> 91 <i>Center-Center Beam Width (ft):</i> 26.00 <i>Width Girder (ft):</i> 1.50 <i>Out-To-Out Width (ft.):</i> 27.50	<i>Site:</i> 28 <i>County:</i> Putnam <i>City:</i> Brewster <i>Approximate Year Built:</i> 1941 <i>Primary Owner:</i> Unknown <i>Maintenance Responsibility:</i> Metro-North (Framework & Abutments) <i>Maintenance Responsibility:</i> Metro-North (Roadway & Approaches)
--	---

Railroad Information

Railroad Line: Beacon

Number of Tracks: 1

Ballast Type: Gravel

Rail-to rail width (ft): 4.7083

Center Track to
Inside Girder (ft.): 18.33

Clear Dist. to South of Track
(ft.): 11.67

Notable Features

Utilities carried on bridge: None

Utilities parallel to the bridge: None

Asbestos: Potential Asbestos presence

Vertical Clearance less than
legal minimum (ft): N/A

Bike Lane width (ft): 10.5

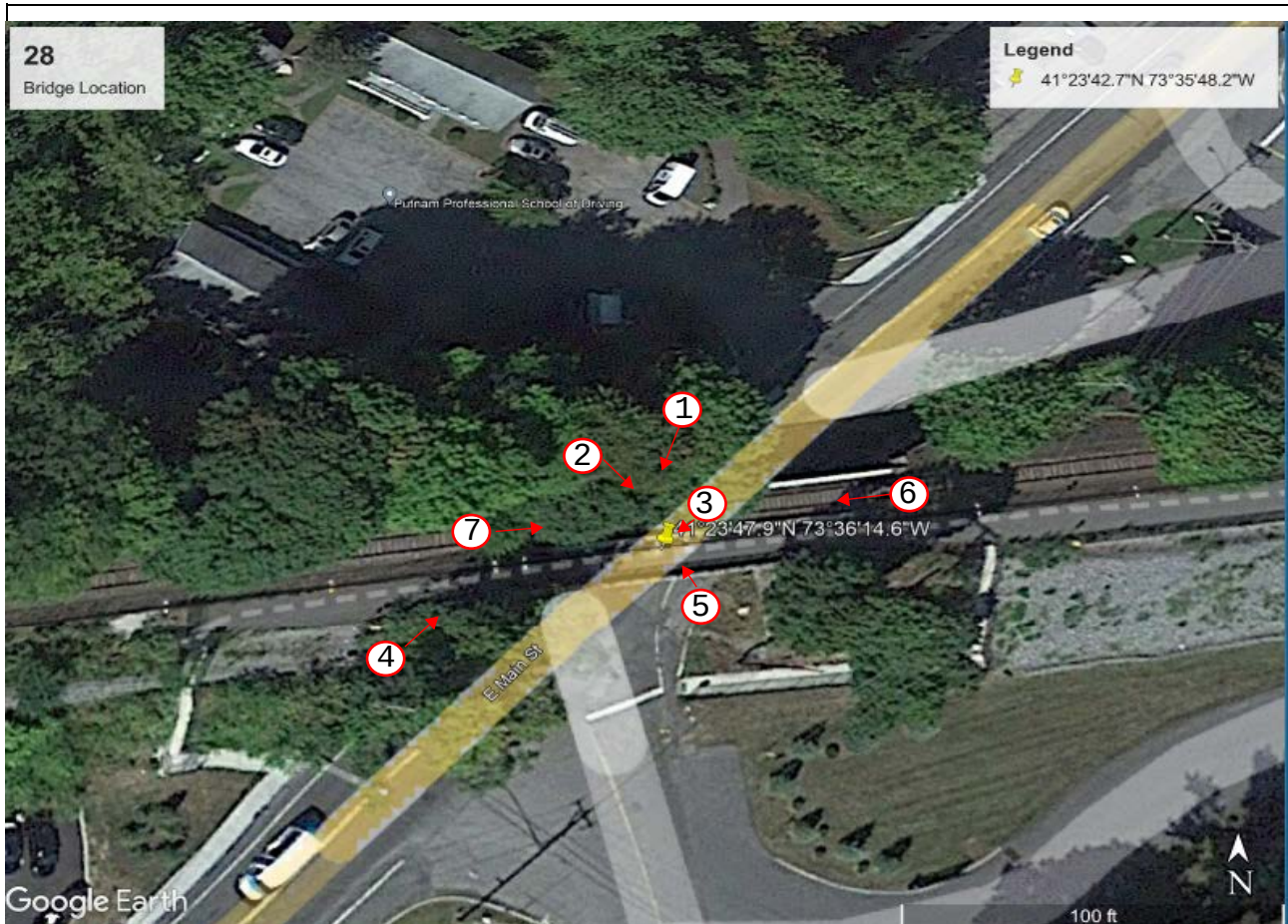
Dist. From edge of track to
bike lane width (ft.) 10

Fence Height (ft): 7

Vegetation: Heavy

Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/08/2021	LOCATION - 898 US-6 East Main st Brewster, NY 10509
Inspectors: RR, BL	



Roller bearings show signs of corrosion and rust
Wingwalls show signs of rutting
Through girders show signs of rust
Heavy vegetation on tracks
New bike lane south of bridge

Photo Number: 1

Photo Filename: IMG_0011.JPG

Attachment Description:

From northwest of the bridge,
looking southwest towards the
bridge



Photo Number: 2

Photo Filename: IMG_0012.JPG

Attachment Description:

From northwest of the bridge,
looking towards the east
abutment



Photo Number: 3

Photo Filename: IMG_0013.JPG

Attachment Description:
Under the bridge at the west
abutment, looking up at the girders



Photo Number: 4

Photo Filename: IMG_0014.JPG

Attachment Description:
From the southwest corner of the
west abutment, looking northeast
towards the bridge



Photo Number: 5

Photo Filename: IMG_0015.JPG

Attachment Description:

From the southeast corner of the east abutment, looking northwest towards the west abutment



Photo Number: 6

Photo Filename: IMG_0016.JPG

Attachment Description:

From east of the bridge, looking west towards the tracks



Photo Number: 7

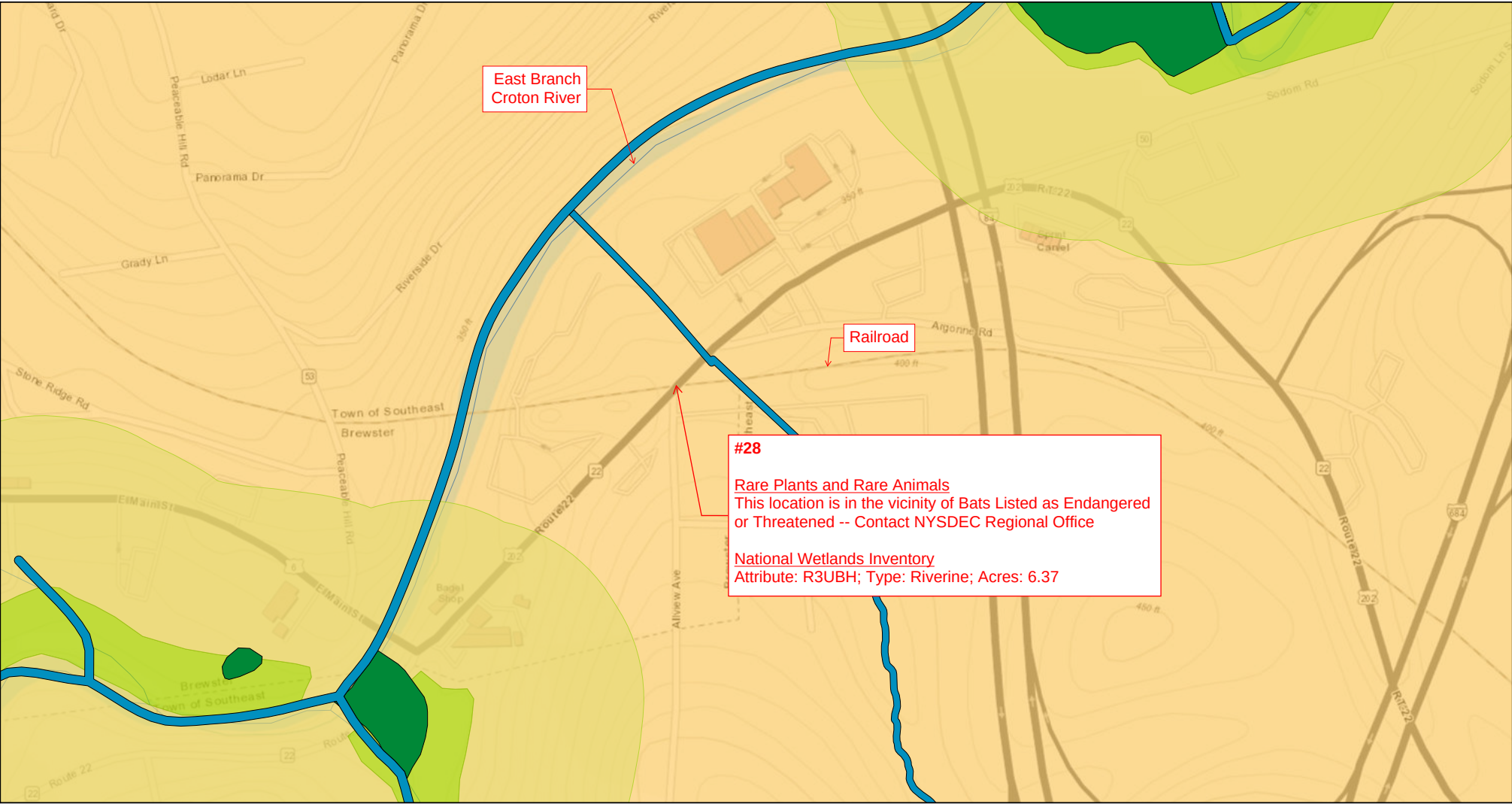
Photo Filename: IMG_0017.JPG

Attachment Description:

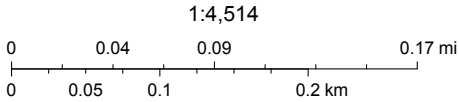
From west of the bridge, looking
east towards the tracks



#28 - NYSDEC

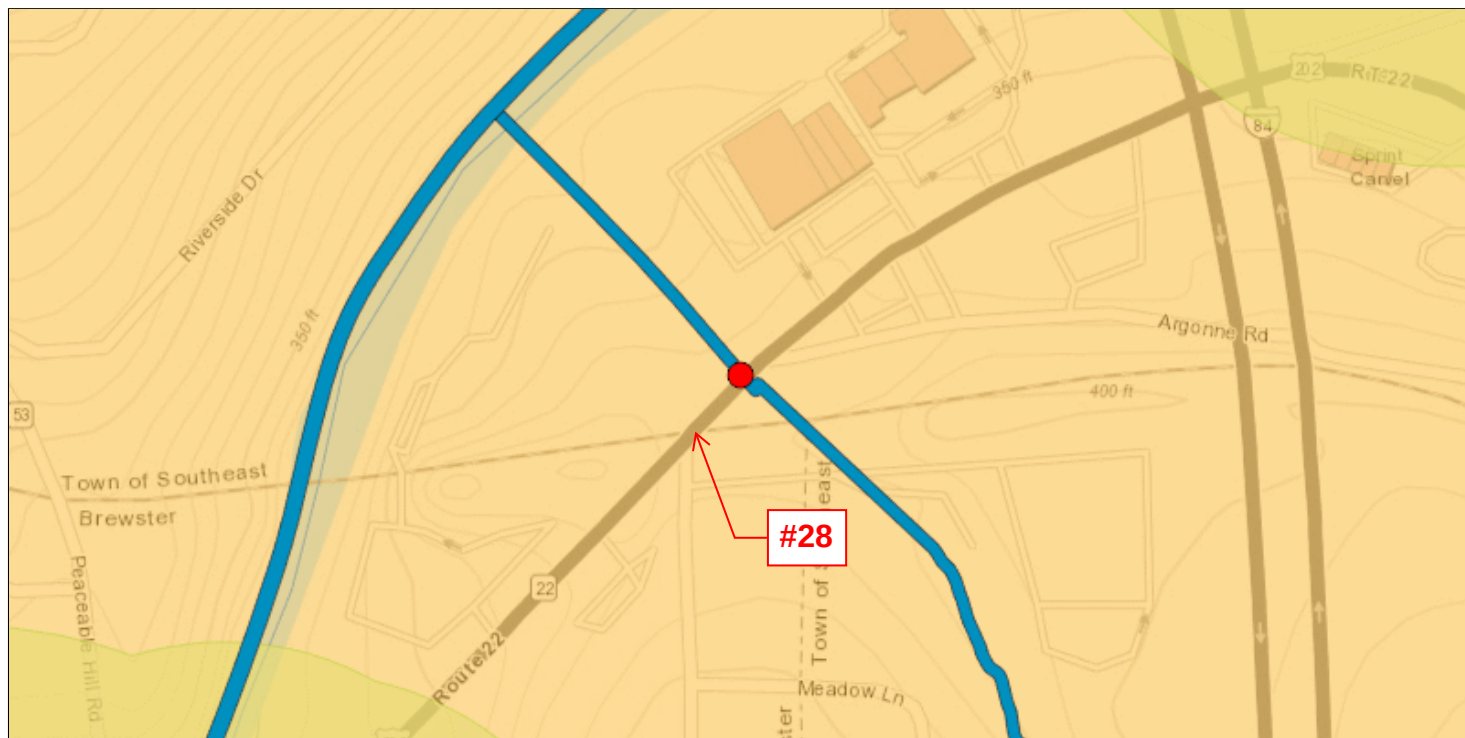


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 616722.7618424393

Northing: 4583763.172387304

Longitude/Latitude

Longitude: -73.60372946770084

Latitude: 41.3969474577124

The approximate address of the point you clicked on is:

951-971 RT-22, Brewster, New York, 10509

County: Putnam

Town: Southeast

Village: Brewster

USGS Quad: BREWSTER

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

National Wetlands Inventory**Attribute:** R4SBC**Type:** Riverine**Acres:** 2.390138884

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

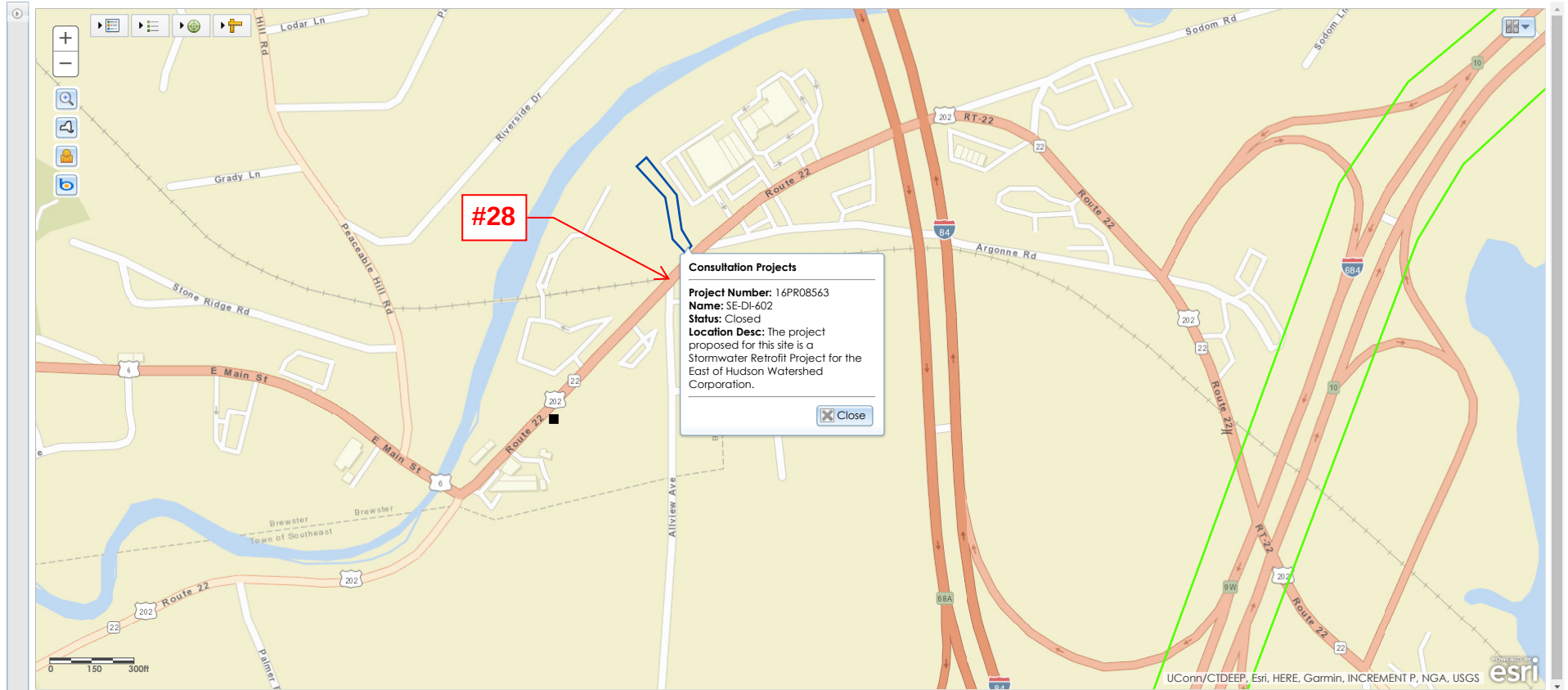
Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R3UBH:

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 3** Subsystem **UPPER PERENNIAL**: This Subsystem is characterized by a high gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists of rock, cobbles, or gravel with occasional patches of sand. The natural dissolved oxygen concentration is normally near saturation. The fauna is characteristic of running water, and there are few or no planktonic forms. The gradient is high compared with that of the Lower Perennial Subsystem, and there is very little floodplain development.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

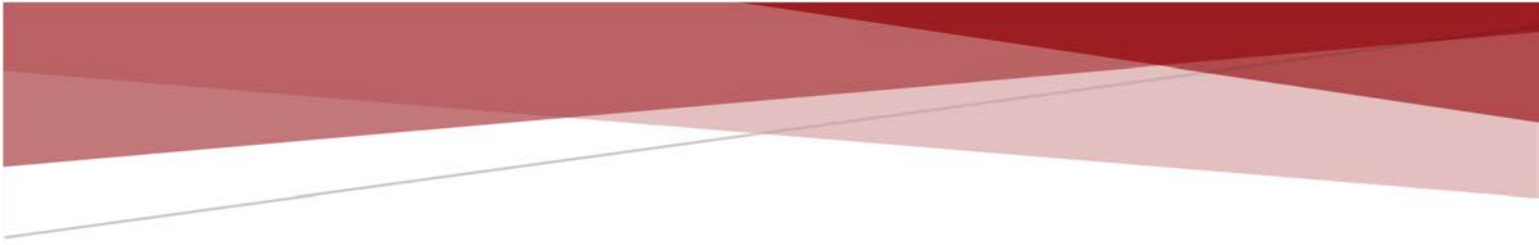
Other Modifier(s):



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #28:

- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area
- Location #26 is near a National Wetlands Inventory which is a Riverine, Upper Perennial, Unconsolidated Bottom that is Permanently Flooded that covers roughly 6.37 Acres. The Wetland is located approximately 150 ft away from the rail link
- Under the NYS Cultural Resource Information System, location #28 is near a Consultation Project. The project number (16PR08563) and name (SE-DI-602) is found on the NYSCRIS website. The project is currently closed and was a Stormwater Retrofit Project for the East of Hudson Watershed Corporation. The Consultation Project is located approximately 100 ft away from the rail link



LOCATION SITE #33

AT GRADE SITE #33

At grade site located in Brewster, NY 10509 where the I-84 northbound and southbound bridges cross over the railroad. The I-84 highway is above the railroad. The train tracks run in the east-west direction. To the south of the railroad, there is a new bicycle lane that is separated by a chain link fence to prevent access to the train tracks. The width of the bike lane is 10'-6" and the distance between the train tracks and the bike lane is 7'-10". The fence in between them has a height of 6'-6".

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/08/21	LOCATION - I - 84
Inspectors: RR, BL	



At grade site #33 under I-84 in Brewster, NY

Inspection Date: September 08, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From west of the southbound bridge, looking northeast at the railroad and bridge



Photo Number: 2

Photo Filename: 2

Attachment Description:

From west of the southbound bridge, looking east underneath the southbound and northbound bridge



Photo Number: 3

Photo Filename: 3

Attachment Description:

Under the southbound
bridge, looking south
towards the south
abutment



Photo Number: 4

Photo Filename: 4

Attachment Description:

Under the southbound
bridge, looking north
towards the bridge



Photo Number: 5

Photo Filename: 5

Attachment Description:
From under the southbound
bridge, looking up



Photo Number: 6

Photo Filename: 6

Attachment Description:
From east of the
southbound bridge, looking
northwest at the railroad
and southbound bridge



Photo Number: 7

Photo Filename: 7

Attachment Description:

From west of the northbound bridge, looking northeast at the railroad tracks and northbound bridge



Photo Number: 8

Photo Filename: 8

Attachment Description:

From under the northbound bridge, looking south at the northbound bridge



Photo Number: 9

Photo Filename: 9

Attachment Description:

From under the northbound bridge, looking north towards the bridge



Photo Number: 10

Photo Filename: 10

Attachment Description:

From east of the northbound bridge, looking west at the railroad and bridges



Photo Number: 11

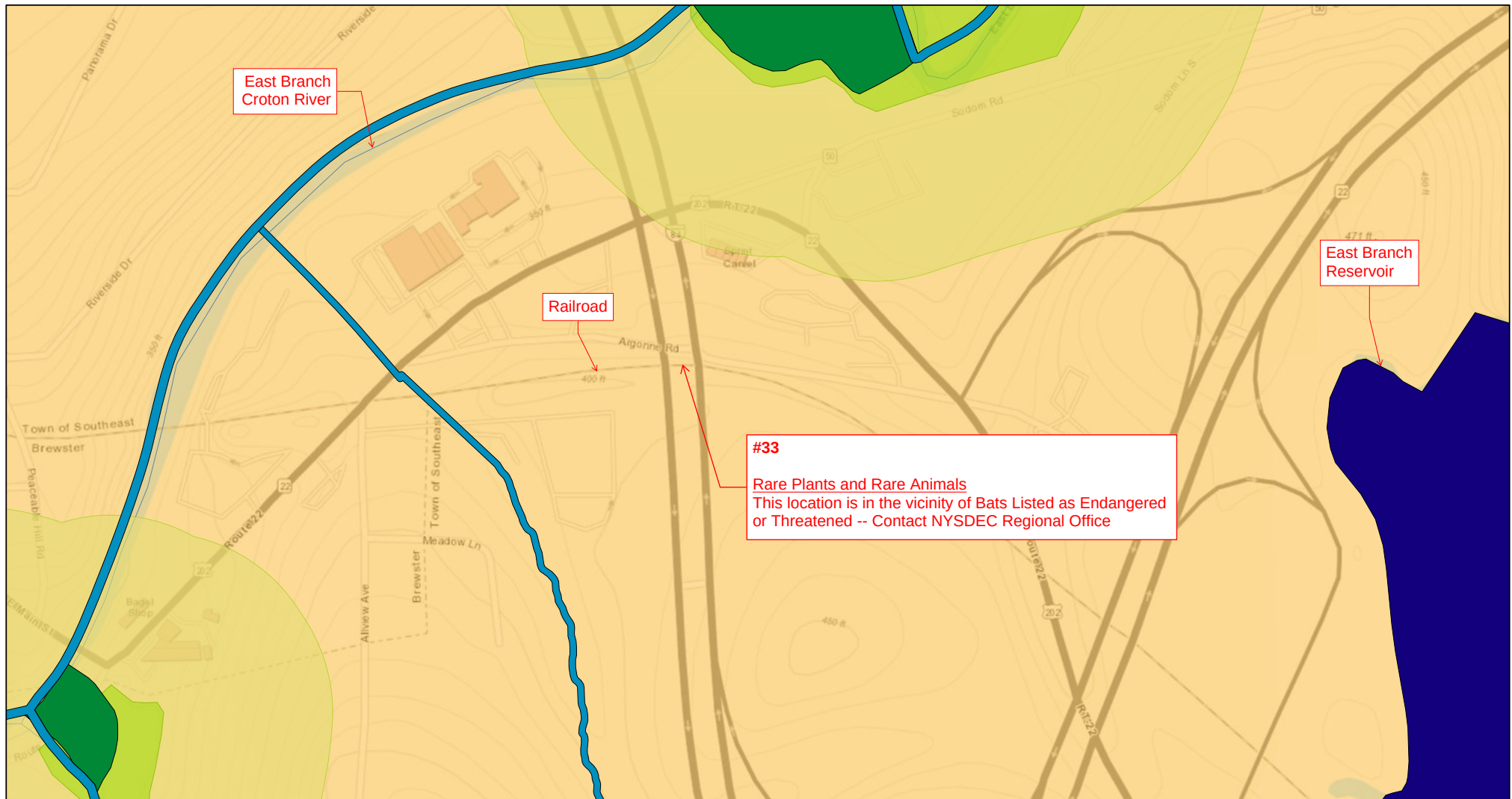
Photo Filename: 11

Attachment Description:

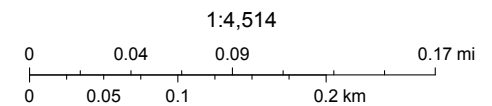
From east of the northbound bridge, looking southwest at the northbound bridge



#33 - NYSDEC

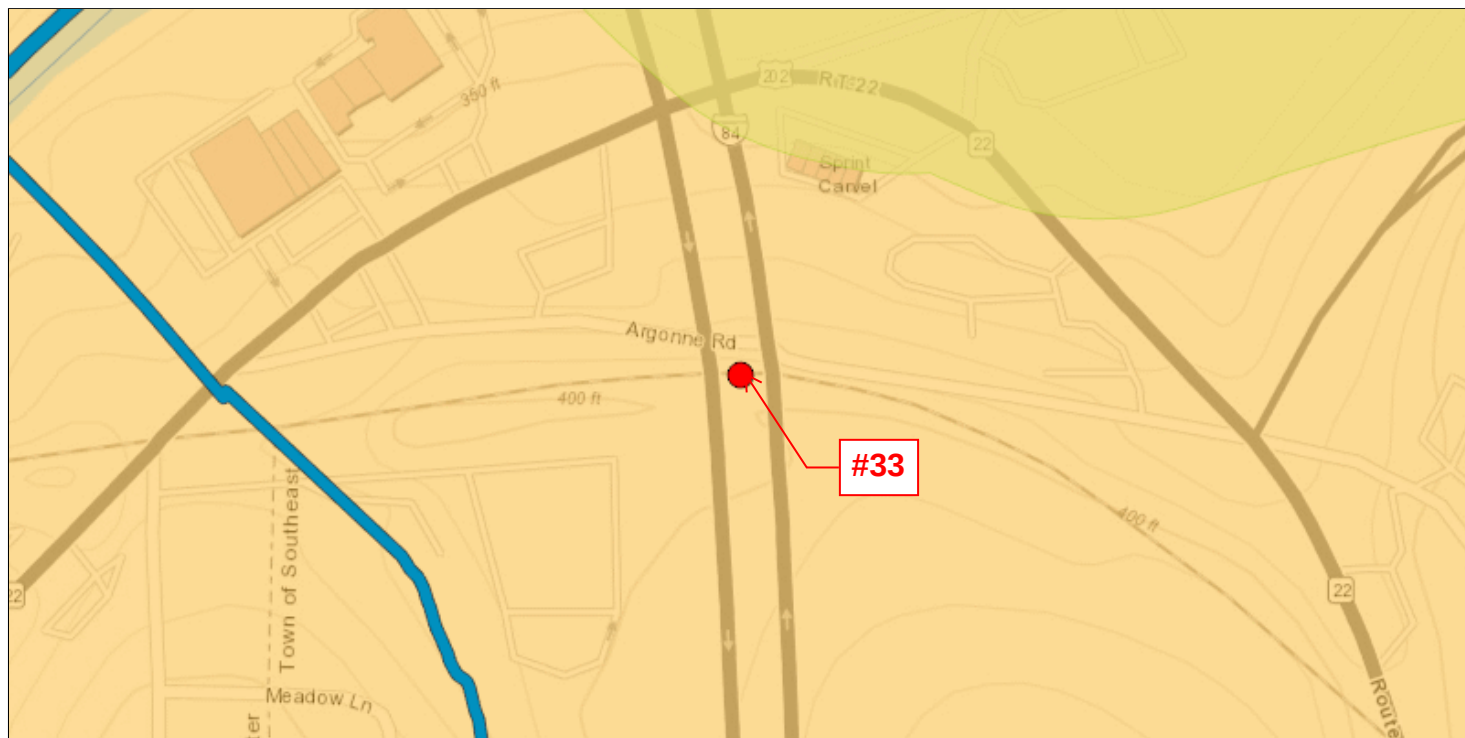


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 616983.7050081347

Northing: 4583770.958005577

Longitude/Latitude

Longitude: -73.60060737640778

Latitude: 41.39697965049118

The approximate address of the point you clicked on is:

I-84 E, Brewster, New York, 10509

County: Putnam

Town: Southeast

USGS Quad: BREWSTER

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

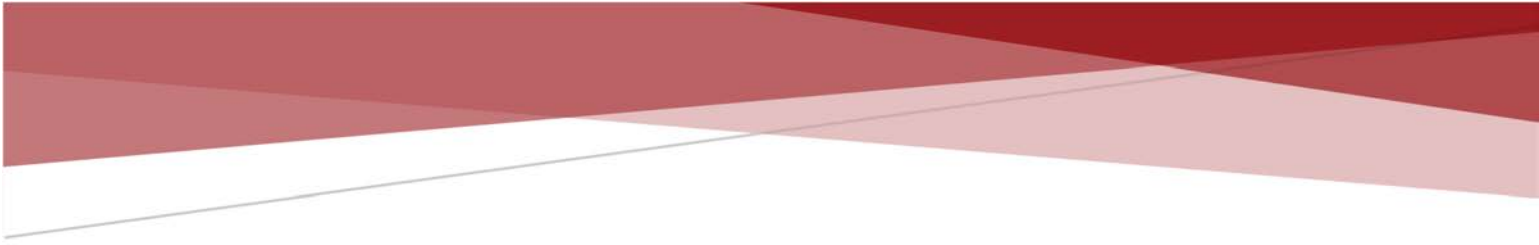
Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #33:

- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area



LOCATION SITE #29

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 8, 2021

Structure Information

<i>BIN:</i> 700354 <i>Feature Crossed:</i> Route 22, 6 & 202 <i>Type of Crossing:</i> UNDERGRADE <i>Bridge Mile:</i> 37.35 <i>Skew (°):</i> 58.11 <i>Type of Bridge Structure:</i> Through Girder <i>Type of Deck:</i> Concrete Slab <i>Number of Spans:</i> 2 <i>Length of Span 1(ft):</i> 64 <i>Length of Span 2(ft):</i> 64 <i>Total Span Length(ft):</i> 128 <i>Center-Center Beam Width (ft):</i> 28.00 <i>Width Girder (ft):</i> 1.50 <i>Out-To-Out Width (ft.):</i> 29.50	<i>Site:</i> 29 <i>County:</i> Putnam <i>City:</i> Brewster <i>Approximate Year Built:</i> 1941 <i>Primary Owner:</i> Unknown <i>Maintenance Responsibility:</i> Metro-North (Framework & Abutments) <i>Maintenance Responsibility:</i> Metro-North (Roadway & Approaches)
--	---

Railroad Information

Railroad Line: Beacon
Number of Tracks: 1
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
Center Track to Inside Girder (ft.): 20.00
Clear Dist. To South of Track (ft.): 17.65

Notable Features

Utilities carried on bridge: None
Utilities parallel to the bridge: None
Asbestos: Potential Asbestos presence
Vertical Clearance less than legal minimum (ft): N/A
Bike Lane width (ft): 10
Dist. From edge of track to bike lane width (ft.): 6
Fence Height (ft): 7
Vegetation: Light
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/08/2021	1671-1673 US 6, Brewster
Inspectors: RR, BL	LOCATION - NY, 10509



- 6-7 at same location.(6 - Looking at column,
7 - Looking at base of column)
- 8-9 at same location.(8 - Looking at N-W bridge underdeck
9 - Looking at West face abutment)
- 11 - Location under bridge looking South at column pier
- 13-14 Same location looking N-E towards bridge with different slightly different angle

North middle pier shows signs of concrete spalling near base
Girders show signs of rust and corrosion

Photo Number: 1

Photo Filename: 1

Attachment Description:

From southeast of the bridge,
looking northwest towards the
bike lane and tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

From southwest of the bridge,
looking east towards the bike
lane and tracks



Photo Number: 3

Photo Filename: 3

Attachment Description:

From southwest of the bridge,
looking east towards the
tracks



Photo Number: 4

Photo Filename: 4

Attachment Description:

From north of the bridge, looking
south towards the bridge



Photo Number: 5

Photo Filename: 5

Attachment Description:

From north of the bridge, at
center pier looking south
towards the bridge



Photo Number: 6

Photo Filename: 6

Attachment Description:

From north of the bridge, at
center pier looking south



Photo Number: 7

Photo Filename: 7

Attachment Description:
From north of the bridge, at
the center pier looking at the
concrete spalling



Photo Number: 8

Photo Filename: 8

Attachment Description:
From southeast of the bridge,
looking northwest at the west
abutment



Photo Number: 9

Photo Filename: 9

Attachment Description:

From southeast of the bridge,
looking west towards the west
abutment



Photo Number: 10

Photo Filename: 10

Attachment Description:

At the west abutment, looking
at the BIN plate



Photo Number: 11

Photo Filename: 11

Attachment Description:

From north of the middle pier,
looking south underneath the
bridge



Photo Number: 12

Photo Filename: 12

Attachment Description:

From the west abutment,
looking east towards the middle
pier and east abutment



Photo Number: 13

Photo Filename: 13

Attachment Description:

From southwest of the bridge,
looking northeast towards the
bridge



Photo Number: 14

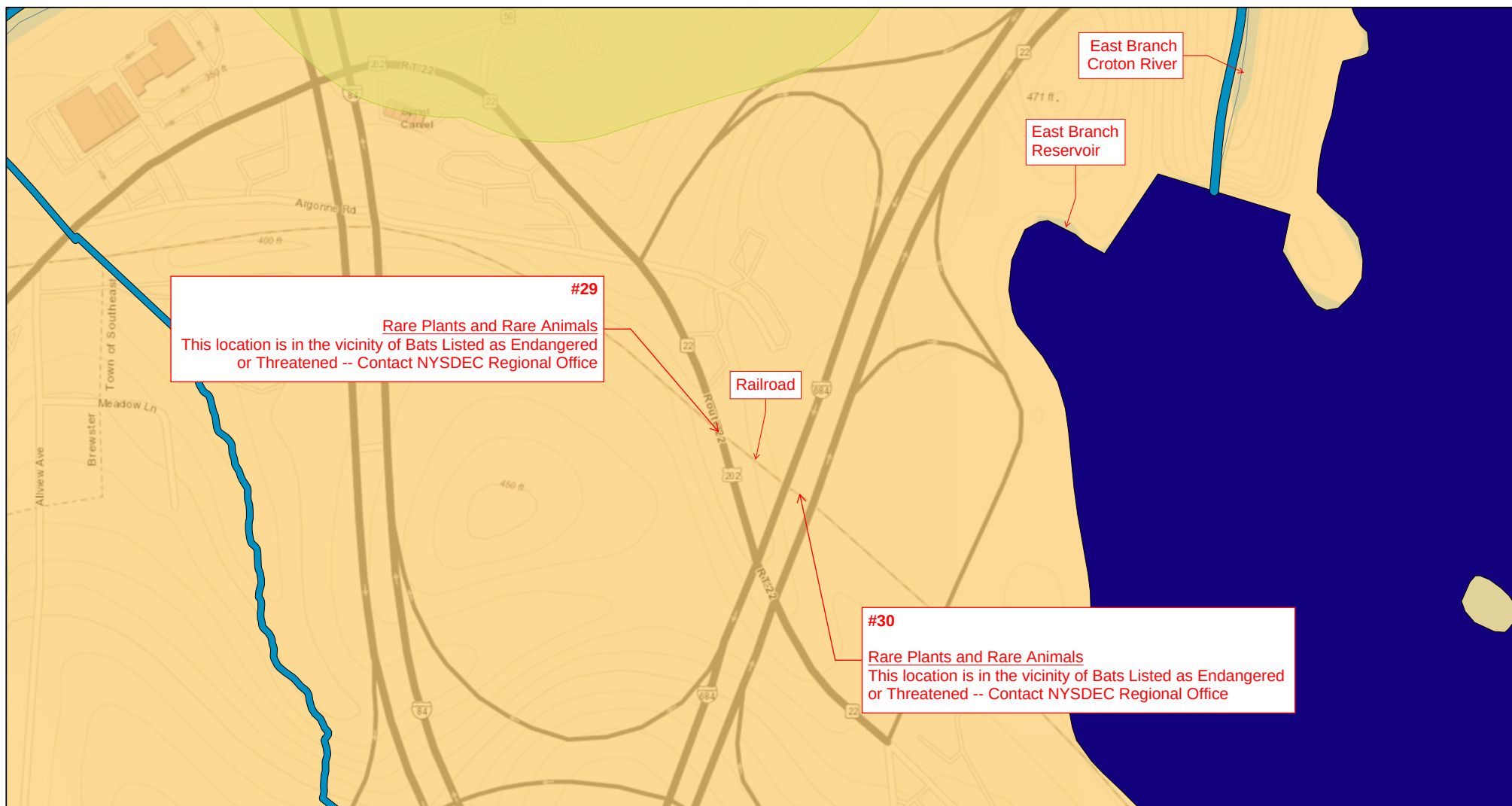
Photo Filename: 14

Attachment Description:

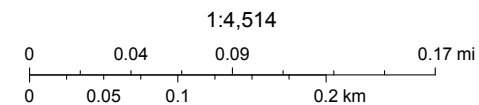
From southwest of the bridge,
looking northeast towards the
bridge



#29 & #30 - NYSDEC

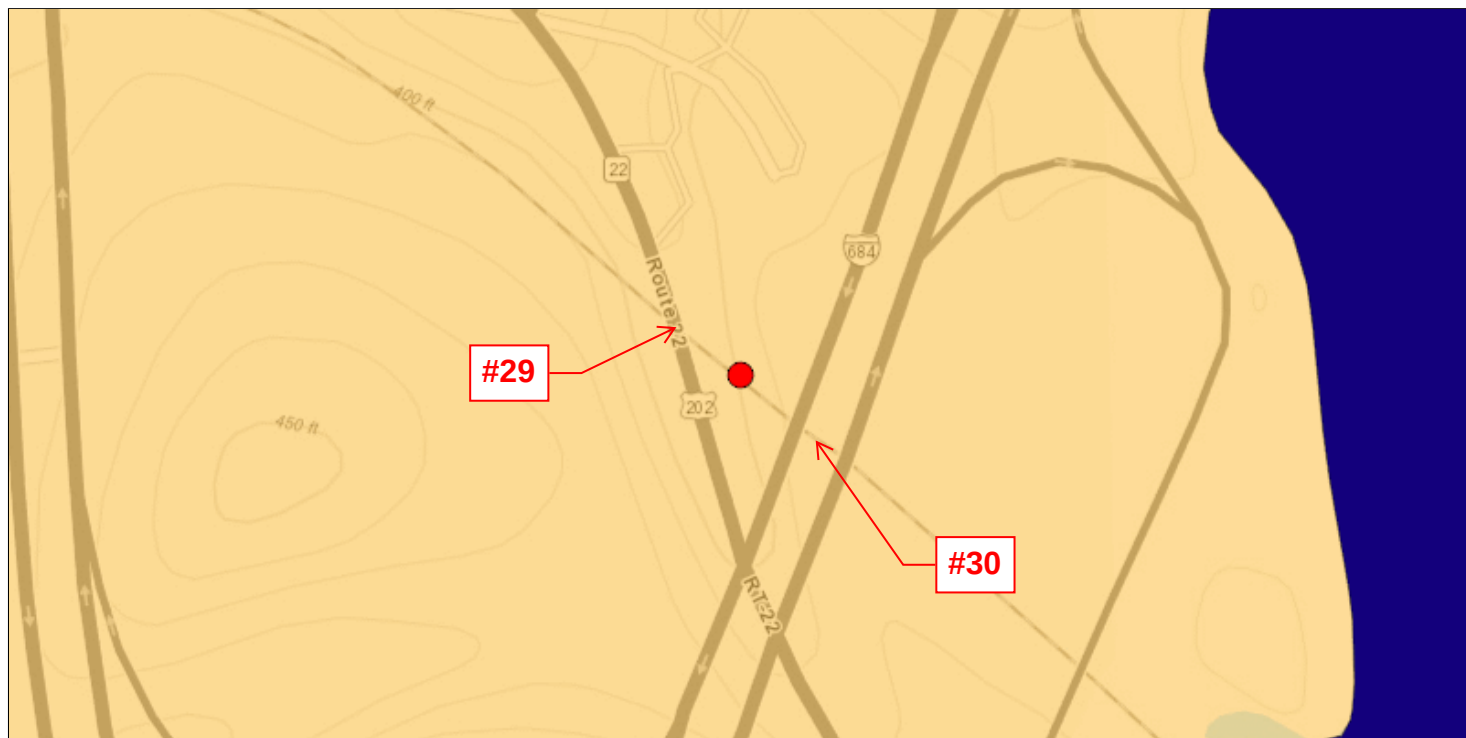


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 617342.2112904644

Northing: 4583571.19143449

Longitude/Latitude

Longitude: -73.59635875732856

Latitude: 41.39512853981102

The approximate address of the point you clicked on is:

1055-1065 RT-22, Brewster, New York, 10509

County: Putnam

Town: Southeast

USGS Quad: BREWSTER

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

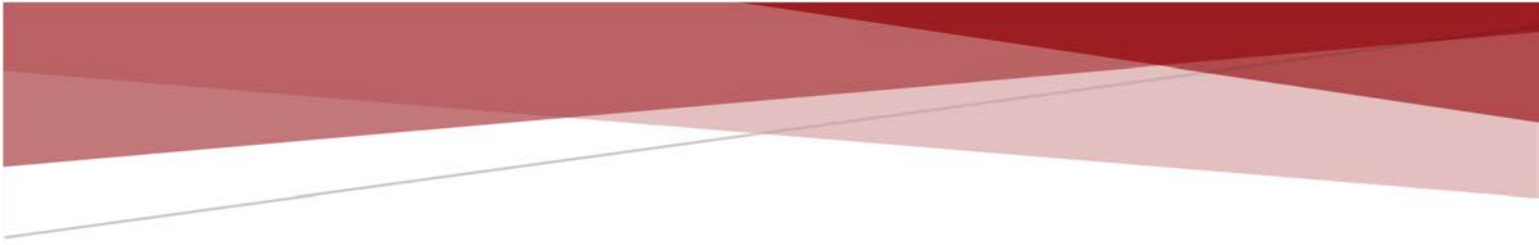
Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #29:

- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area

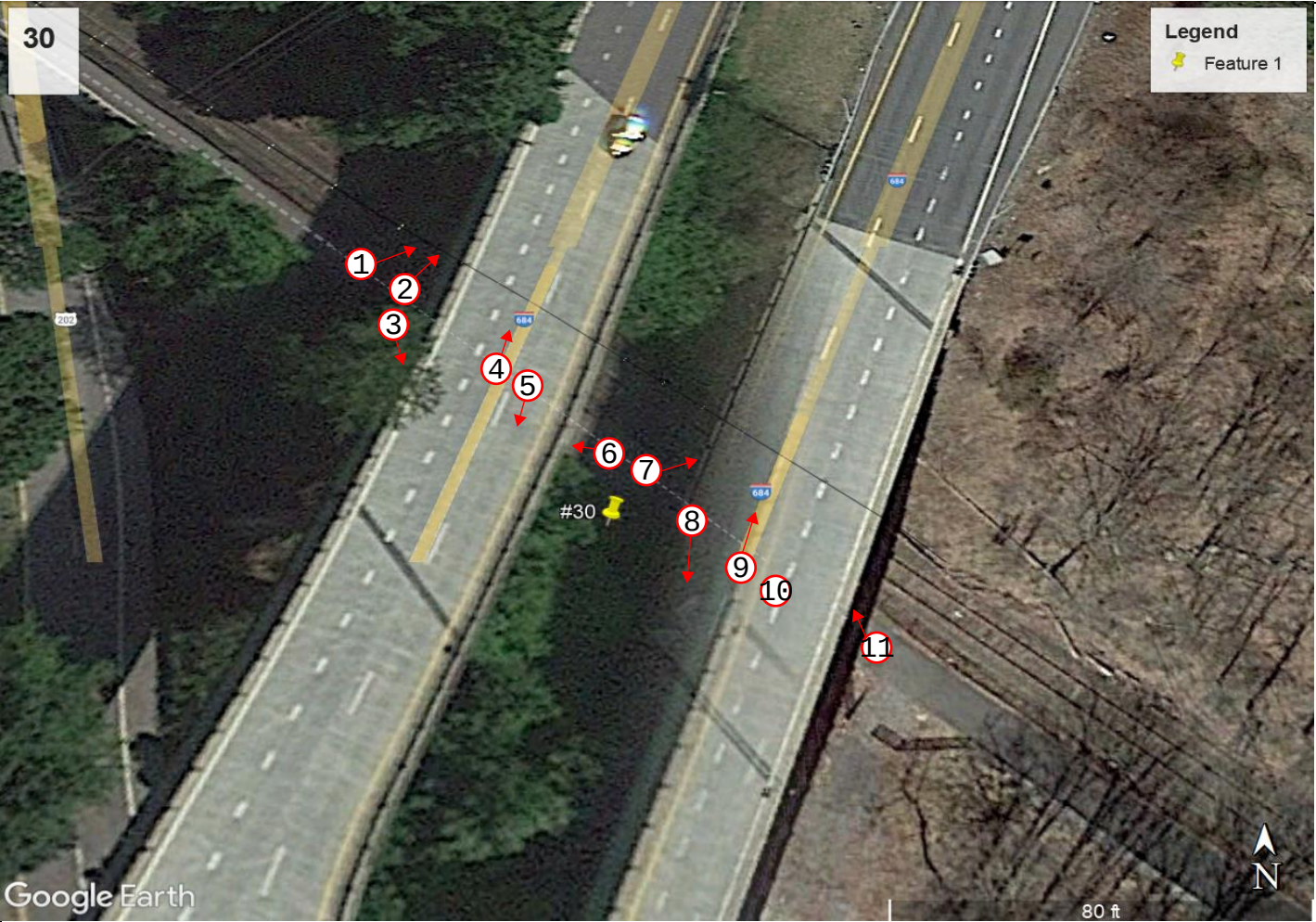


LOCATION SITE #30

AT GRADE SITE #30

At grade site is located in Brewster, NY 10509 where the I-684 northbound and southbound bridges cross over the railroad. The I-684 road runs well above the railroad. The train tracks run in the northwest-southeast direction. A newly paved bike lane runs along the railroad with a chain link fence on both sides of the bike lane. The width of the bike lane is 10'-0" and the distance from the train tracks is 9'-0". The fence north of the bike lane has a height of 6'-6" to prevent access to the train tracks. The fence to the south has a height of 4'-0".

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/08/21	LOCATION - I - 684
Inspectors: RR, BL	



Inspection Date: September 08, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From west of the southbound bridge, looking northeast at the southbound bridge and railroad tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

From west of the southbound bridge, looking northeast at the southbound bridge



Photo Number: 3

Photo Filename: 3

Attachment Description:

From west of the
southbound bridge, looking
southeast at the southbound
bridge



Photo Number: 4

Photo Filename: 4

Attachment Description:

From under the southbound
bridge, looking north



Photo Number: 5

Photo Filename: 5

Attachment Description:

From under the
southbound bridge, looking
south



Photo Number: 6

Photo Filename: 6

Attachment Description:

From east of the southbound
bridge, looking west at the
railroad and southbound
bridge



Photo Number: 7

Photo Filename: 7

Attachment Description:

From west of the northbound bridge, looking northeast at the railroad and northbound bridge



Photo Number: 8

Photo Filename: 8

Attachment Description:

From west of the northbound bridge, looking south at the northbound bridge



Photo Number: 9

Photo Filename: 9

Attachment Description:

Under the northbound
bridge, looking north



Photo Number: 10

Photo Filename: 10

Attachment Description:

Under the northbound
bridge, looking up



Photo Number: 11

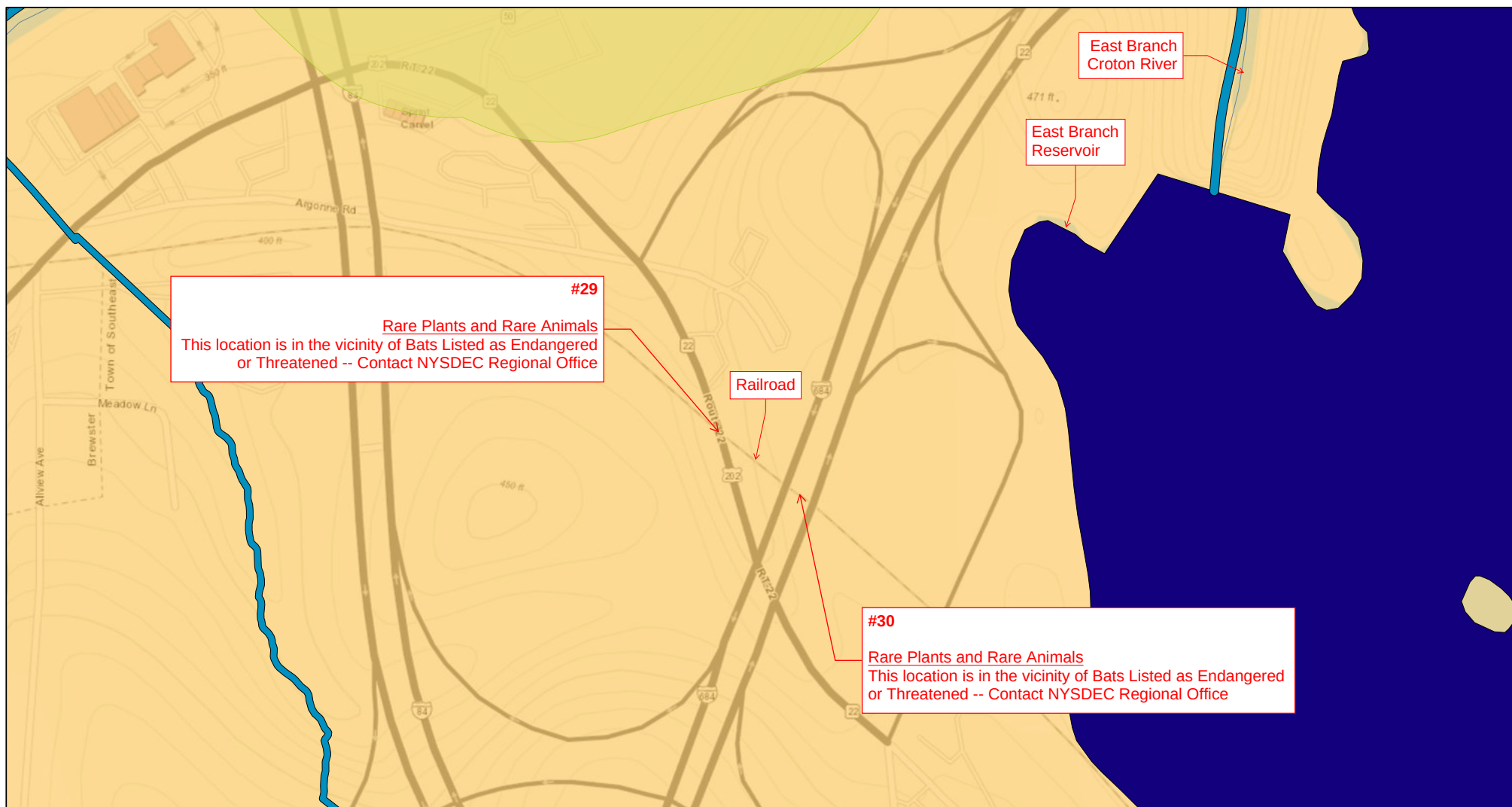
Photo Filename: 11

Attachment Description:

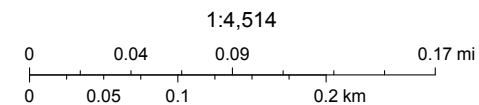
From east of the
northbound bridge, looking
northwest at the bridge



#29 & #30 - NYSDEC

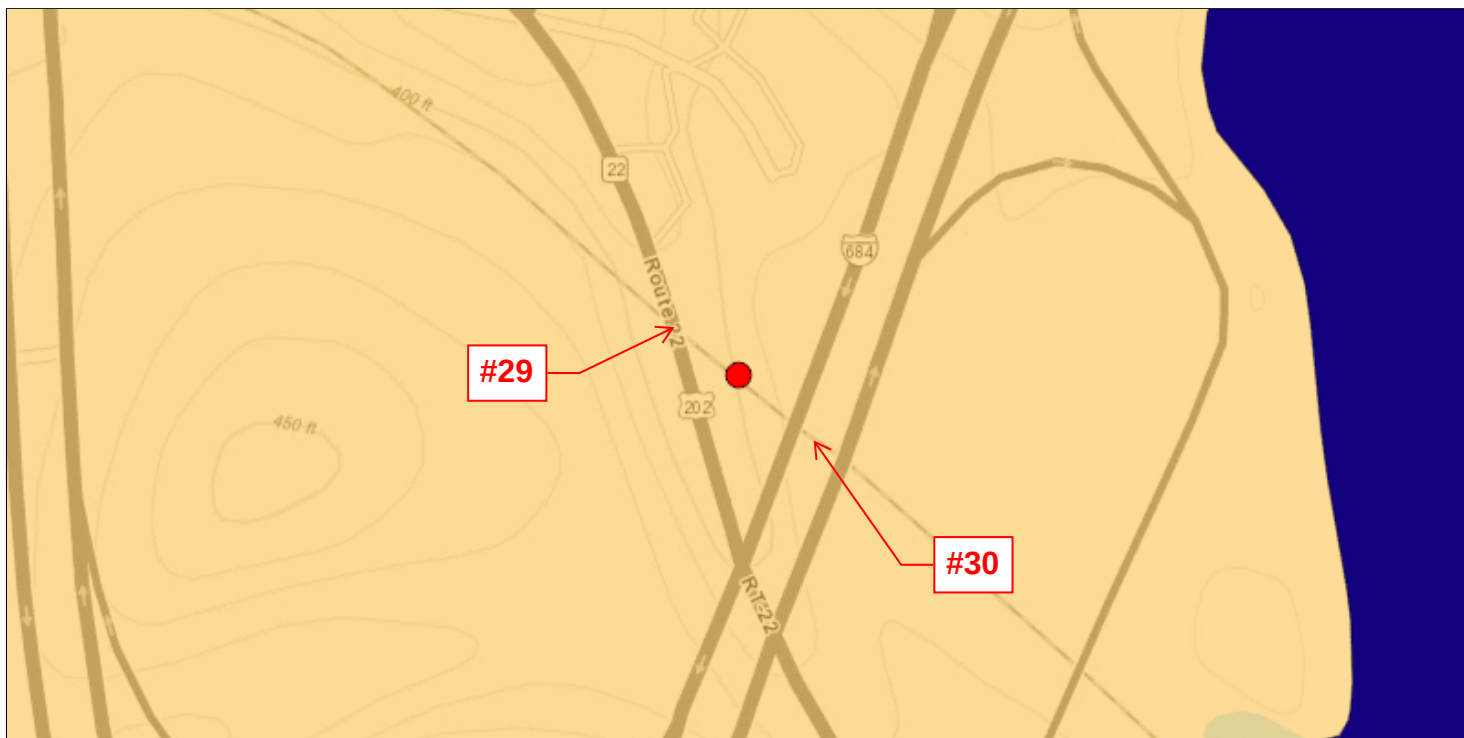


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18

Easting: 617342.2112904644

Northing: 4583571.19143449

Longitude/Latitude

Longitude: -73.59635875732856

Latitude: 41.39512853981102

The approximate address of the point you clicked on is:

1055-1065 RT-22, Brewster, New York, 10509

County: Putnam

Town: Southeast

USGS Quad: BREWSTER

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

Rare Plants and Rare Animals

This location is in the vicinity of Bats Listed as Endangered or Threatened -- Contact NYSDEC Regional Office

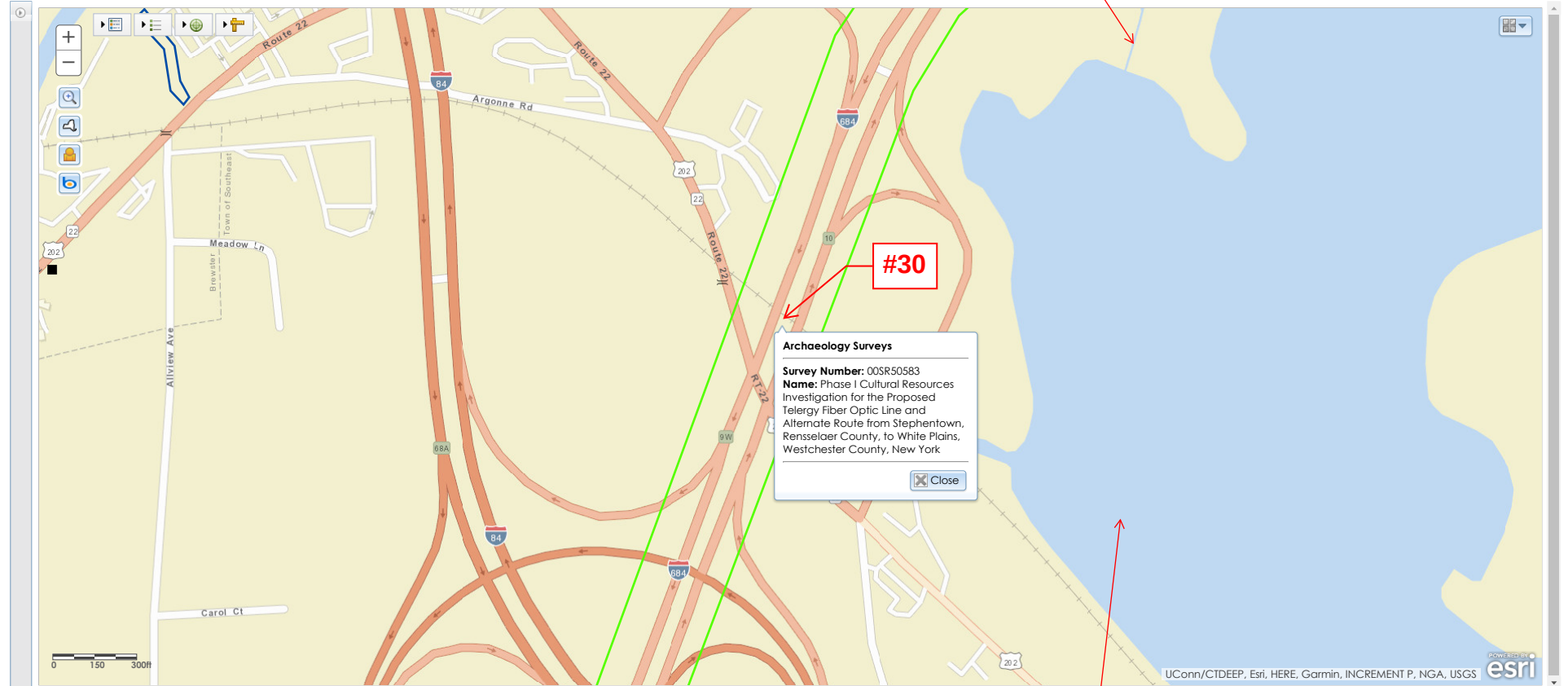
If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

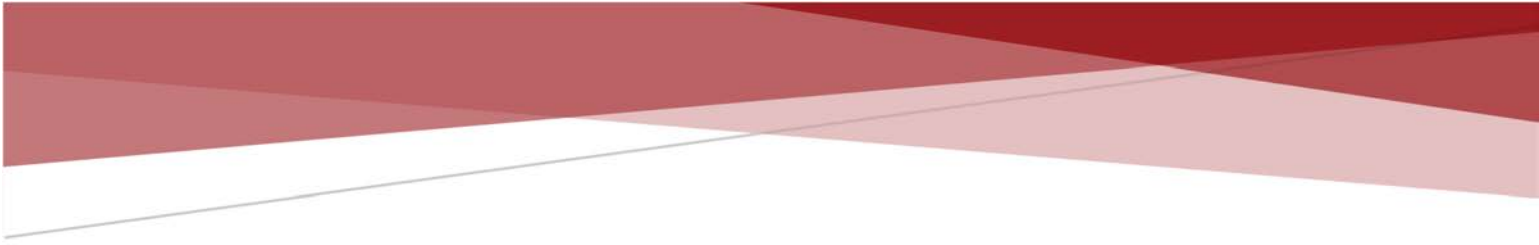
Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #30:

- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area
- Under the NYS Cultural Resource Information System, location #30 is near an Archaeology Survey alongside I-684. The survey number is 00SR50583 and is a Phase 1 Cultural Resource Investigation for the proposed telergy fiber optic line and alternate route from Stephentown, NY to White Plains, NY. The Archaeology Survey is located at the rail link



LOCATION SITE #31

KC ENGINEERING
FEASABILITY REPORT
INSPECTION DATE: SEPTEMBER 8, 2021

Structure Information

<i>BIN:</i> NA	<i>Site:</i> 31
<i>Feature Crossed:</i> Brewster Honda & Croton River	<i>County:</i> Putnam
<i>Type of Crossing:</i> UNDERGRADE	<i>City:</i> Brewster
<i>Bridge Mile:</i> 37.35	<i>Approximate Year Built:</i> 1906
<i>Skew (°):</i> 0.00	<i>Primary Owner:</i> Unknown
<i>Type of Bridge Structure:</i> Deck Truss	<i>Maintenance Responsibility:</i> Metro-North (Framework & Abutments)
<i>Type of Deck:</i> Open Floor	<i>Maintenance Responsibility:</i> Metro-North (Roadway & Approaches)
<i>Number of Spans:</i> 1	
<i>Length of Span 1(ft):</i> 130	
<i>Length of Span 2(ft):</i> 137	
<i>Total Span Length(ft):</i> 267	
<i>Center-Center Beam Width (ft):</i> 21.00	
<i>Out-To-Out Width (ft.):</i> 26.00	

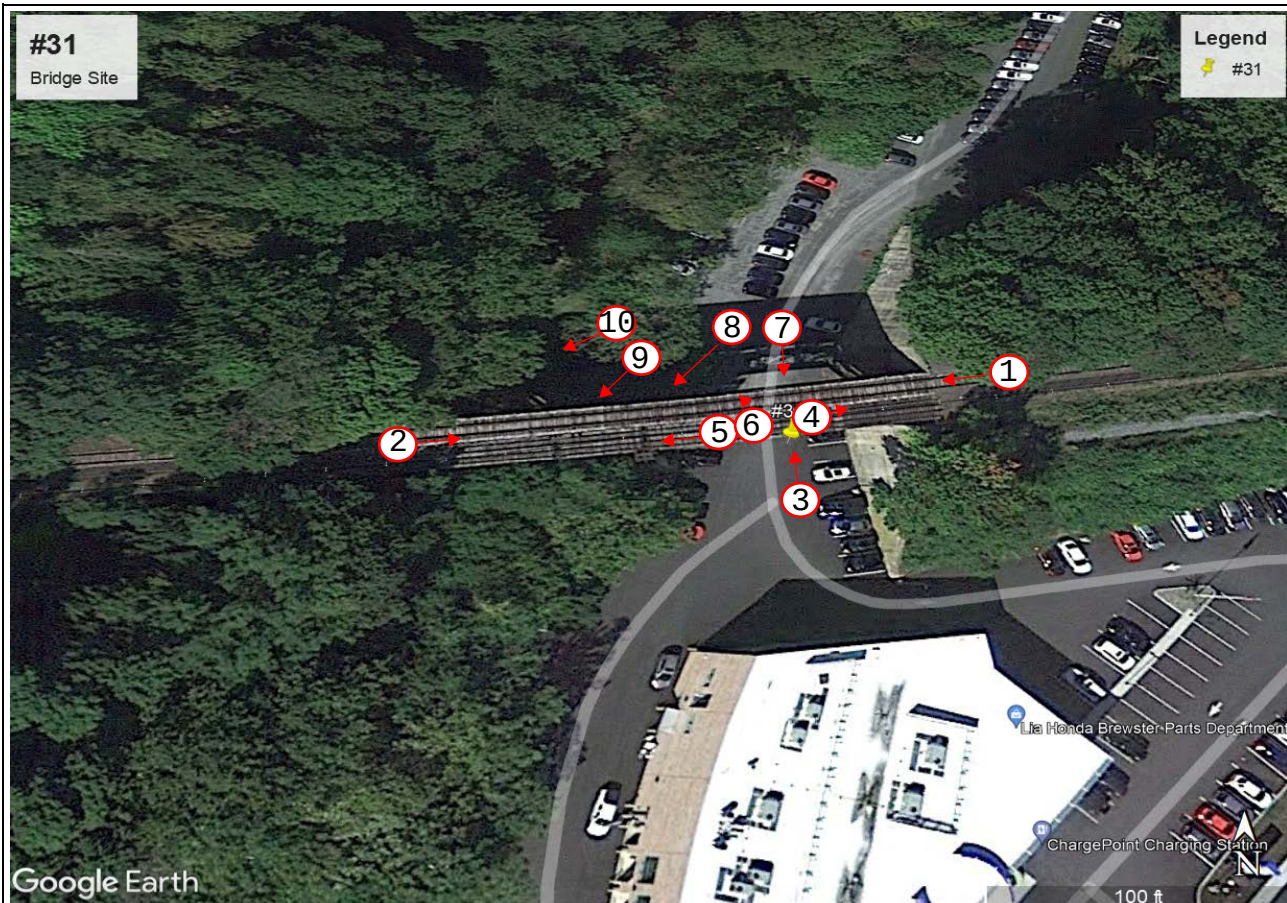
Railroad Information

Railroad Line: Beacon
Number of Tracks: 1
Ballast Type: Gravel
Rail-to rail width (ft): 4.7083
Center Track to Center Beam (ft.): 17.00
Clear Dist. to South of Track (ft.): 14.65

Notable Features

Utilities carried on bridge: None
Utilities parallel to the bridge: None
Asbestos: Potential Asbestos presence
Vertical Clearance less than legal minimum (ft): N/A
Vegetation: Heavy
Condition: Fair

KC ENGINEERING AND LAND SURVEYING, P.C. New York, NY	
Date: 09/08/2021	LOCATION - Honda Brewster, Brewster NY 10509
Inspectors: RR, BL	



Several wooden ties worn down, pieces missing at several locations.
Railroad tracks have vegetation throughout bridge.
No seen utilities on bridge.

BIN: NA Feasibility Report
Inspection Date: September 08, 2021

Photo Number: 1

Photo Filename: 1

Attachment Description:

From east on top of the
bridge, looking west at the
tracks



Photo Number: 2

Photo Filename: 2

Attachment Description:

From west on top of the
bridge, looking east at the
tracks



Photo Number: 3

Photo Filename: 3

Attachment Description:

From Honda parking lot,
south of the bridge looking
north towards the bridge



Photo Number: 4

Photo Filename: 4

Attachment Description:

From the east abutment
bridge, looking up towards
the bridge abutment and
superstructure



Photo Number: 5

Photo Filename: 5

Attachment Description:

From the east abutment,
looking west towards the
west abutment and
superstructure



Photo Number: 6

Photo Filename: 6

Attachment Description:

Under the bridge midspan,
looking up



Photo Number: 7

Photo Filename: 7

Attachment Description:

From the northeast side of the bridge, looking south towards the bridge



Photo Number: 8

Photo Filename: 8

Attachment Description:

From the northeast side of the bridge, looking southwest towards the bridge



Photo Number: 9

Photo Filename: 9

Attachment Description:

From north of the bridge,
looking southwest
towards the west
abutment



Photo Number: 10

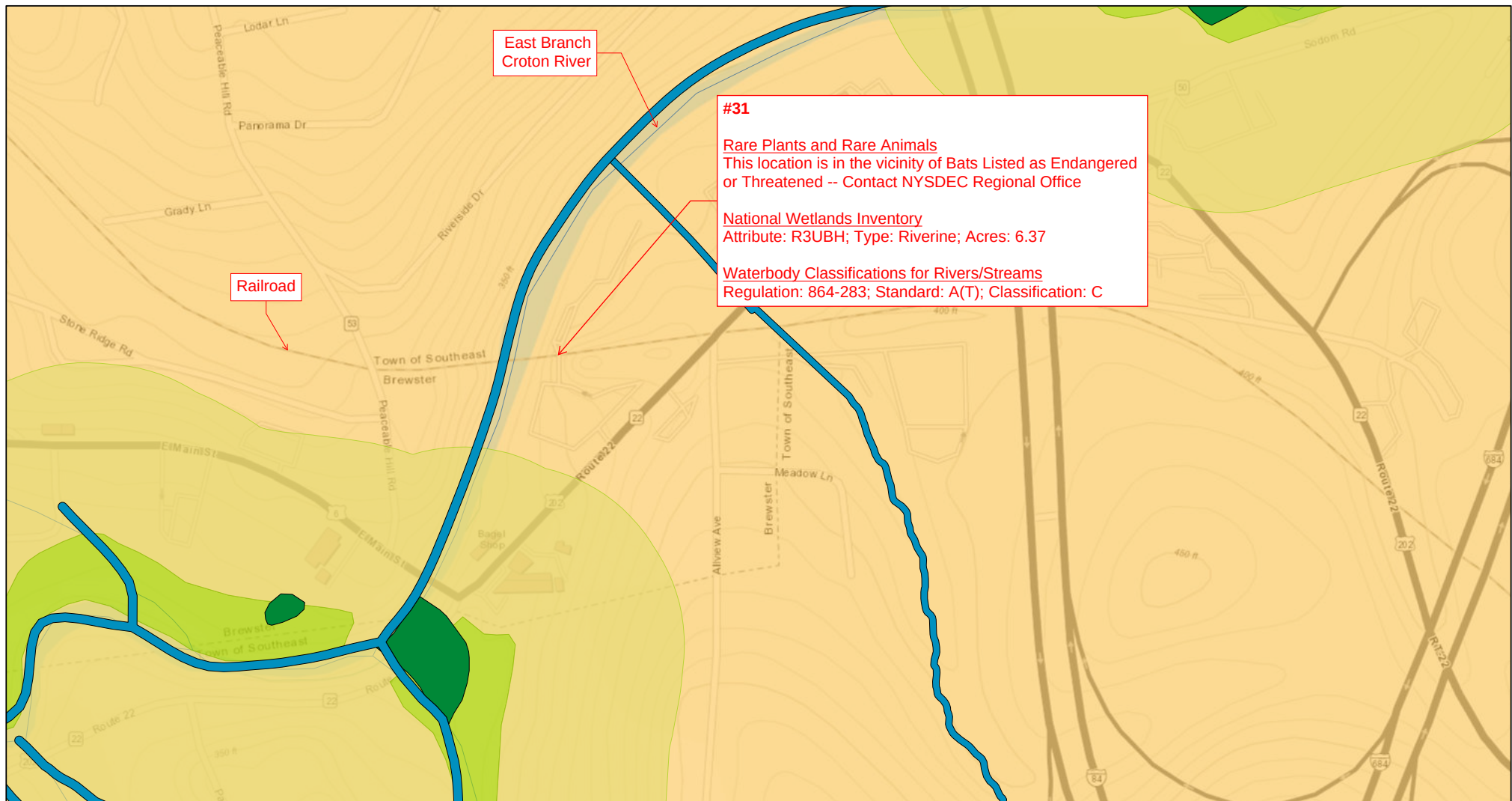
Photo Filename: 10

Attachment Description:

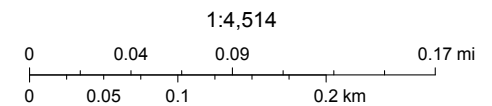
From north of the bridge,
looking south west towards
the west abutment and
water



#31 - NYSDEC

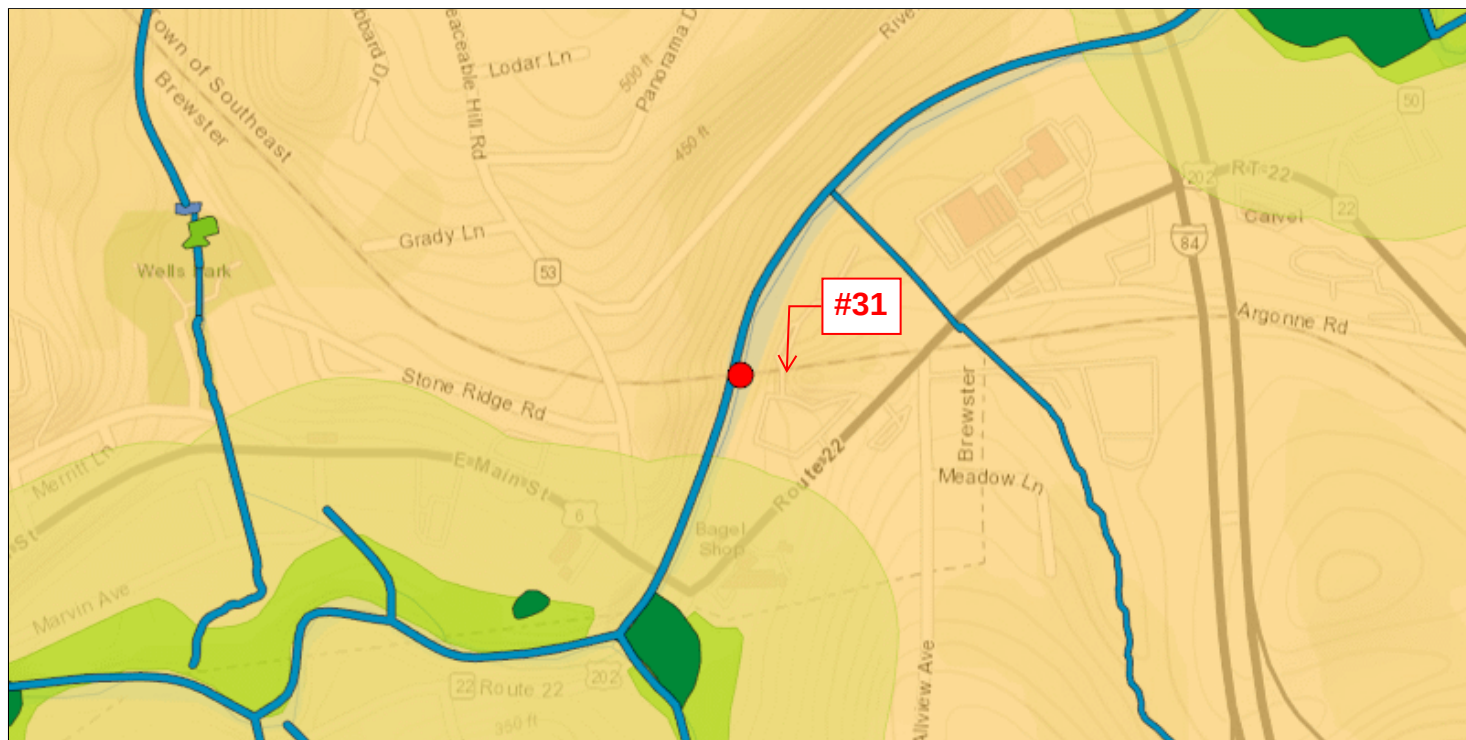


September 3, 2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Environmental Resource Mapper



The coordinates of the point you clicked on are:

UTM 18	Easting: 616515.5226407329	Northing: 4583707.74463518
Longitude/Latitude	Longitude: -73.60621848491776	Latitude: 41.39647838616081

The approximate address of the point you clicked on is:
Brewster, New York

County: Putnam
Town: Southeast
Village: Brewster
USGS Quad: BREWSTER

Waterbody Classifications for Rivers/Streams

Regulation: 864-283
Standard: A(T)
Classification: A

Natural Communities in the Vicinity

Natural Community Name: NOTE

Location: This mapping application does not include all freshwater wetlands in this town. Click above on the title of this table for more information.

Ecological System:

National Wetlands Inventory**A ribute:** R3UBH**Type:** Riverine**Acres:** 6.37443824

For more information about the National Wetlands Inventory wetlands visit <http://www.fws.gov/wetlands/>

If your project or action is within or near an area with a rare animal, a permit may be required if the species is listed as endangered or threatened and the department determines the action may be harmful to the species or its habitat.

If your project or action is within or near an area with rare plants and/or significant natural communities, the environmental impacts may need to be addressed.

The presence of a unique geological feature or landform near a project, unto itself, does not trigger a requirement for a NYS DEC permit. Readers are advised, however, that there is the chance that a unique feature may also show in another data layer (ie. a wetland) and thus be subject to permit jurisdiction.

Please refer to the "Need a Permit?" tab for permit information or other authorizations regarding these natural resources.

Disclaimer: If you are considering a project or action in, or near, a wetland or a stream, a NYS DEC permit may be required. The Environmental Resources Mapper does not show all natural resources which are regulated by NYS DEC, and for which permits from NYS DEC are required. For example, Regulated Tidal Wetlands, and Wild, Scenic, and Recreational Rivers, are currently not included on the maps.



U.S. Fish & Wildlife Service

National Wetlands Inventory

Ecological Services

Enter Classification code: (Example: **L1UB1Hx**)

Optional: For geographically specific information*, please enter a State code: (Example: **TX** for Texas)

[CLICK HERE TO DECODE](#)

Description for code R3UBH:

- R** System **RIVERINE**: The Riverine System includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.
- 3** Subsystem **UPPER PERENNIAL**: This Subsystem is characterized by a high gradient. There is no tidal influence, and some water flows all year, except during years of extreme drought. The substrate consists of rock, cobbles, or gravel with occasional patches of sand. The natural dissolved oxygen concentration is normally near saturation. The fauna is characteristic of running water, and there are few or no planktonic forms. The gradient is high compared with that of the Lower Perennial Subsystem, and there is very little floodplain development.
- UB** Class **UNCONSOLIDATED BOTTOM**: Includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm), and a vegetative cover less than 30%.
- H** Water Regime **Permanently Flooded**: Water covers the substrate throughout the year in all years.

Other Modifier(s):

KEY POINTS - SUMMARY SHEET

To summarize the areas of potential environmental significance at Location #31:

- This location (and most of the village of Brewster, NY) is in the vicinity of Bats listed as Endangered or Threatened Species. Contact the NYSDEC Regional Office to discuss more about the rare plants/animals in the area
- Location #26 is near a National Wetlands Inventory which is a Riverine, Upper Perennial, Unconsolidated Bottom that is Permanently Flooded that covers roughly 6.37 Acres. The Wetland is located approximately 120 ft away from the rail link
- The East Branch Croton River, that flows from the Bog Brook Reservoir to central Brewster is addressed in the Waterbody Classifications for Rivers/Streams under Regulation 864-283, Standard A(T), and Classification A. The classification (A) for this river is assigned to waters used as a source of drinking water. This river may also support a trout population due to its standard (T). Special requirements apply to sustain these waters that support these valuable and sensitive fisheries resources. The East Branch Croton River is located approximately 100 ft away from the rail link