



DOE/EIS-0447

Draft
Draft

Champlain Hudson Power Express Transmission Line Project Environmental Impact Statement Volume II: Appendices



U.S. DEPARTMENT OF ENERGY
OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY
WASHINGTON, DC

September 2013

DRAFT

**CHAMPLAIN HUDSON POWER EXPRESS
TRANSMISSION LINE PROJECT
ENVIRONMENTAL IMPACT STATEMENT**

Volume II: Appendices

**U.S. DEPARTMENT OF ENERGY
OFFICE OF ELECTRICITY DELIVERY
AND ENERGY RELIABILITY**



COOPERATING AGENCIES

**U.S. ENVIRONMENTAL PROTECTION AGENCY
U.S. ARMY CORPS OF ENGINEERS
U.S. FISH AND WILDLIFE SERVICE
U.S. COAST GUARD
NEW YORK STATE DEPARTMENT OF PUBLIC SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

SEPTEMBER 2013

DRAFT

**CHAMPLAIN HUDSON POWER EXPRESS
TRANSMISSION LINE PROJECT
ENVIRONMENTAL IMPACT STATEMENT**

VOLUME II: APPENDICES

CONTENTS

APPENDIX

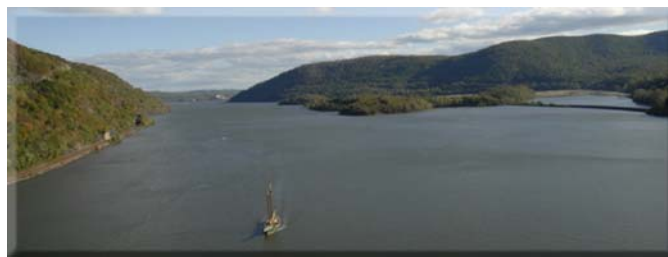
A	PROPOSED CHPE PROJECT TRANSMISSION SYSTEM DETAILED MAP ATLAS
B	CWA SECTION 404 PERMIT APPLICATION ALTERNATIVES ANALYSIS REPORT
C	NYSPSC ORDER GRANTING CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE PROPOSED CHPE PROJECT
D	SCOPING SUMMARY REPORT
E	EIS DISTRIBUTION LIST
F	COASTAL ZONE CONSISTENCY DOCUMENTATION AND LAND USE TABLES
G	APPLICANT-PROPOSED IMPACT AVOIDANCE AND MINIMIZATION MEASURES
H	ESA SECTION 7 DOCUMENTATION
I	SUMMARY OF WETLANDS AND SOILS ALONG PROPOSED CHPE PROJECT ROUTE
J	NHPA SECTION 106 DOCUMENTATION
K	VISUAL AND RECREATIONAL RESOURCES ALONG PROPOSED CHPE PROJECT ROUTE
L	ENVIRONMENTAL JUSTICE ANALYSIS BACKGROUND INFORMATION
M	AIR QUALITY ANALYSIS BACKGROUND INFORMATION
N	NOISE ANALYSIS BACKGROUND INFORMATION
O	CONTRACTOR DISCLOSURE STATEMENT

THIS PAGE INTENTIONALLY LEFT BLANK



APPENDIX A

Proposed CHPE Project Transmission System Detailed Map Atlas



Appendix A

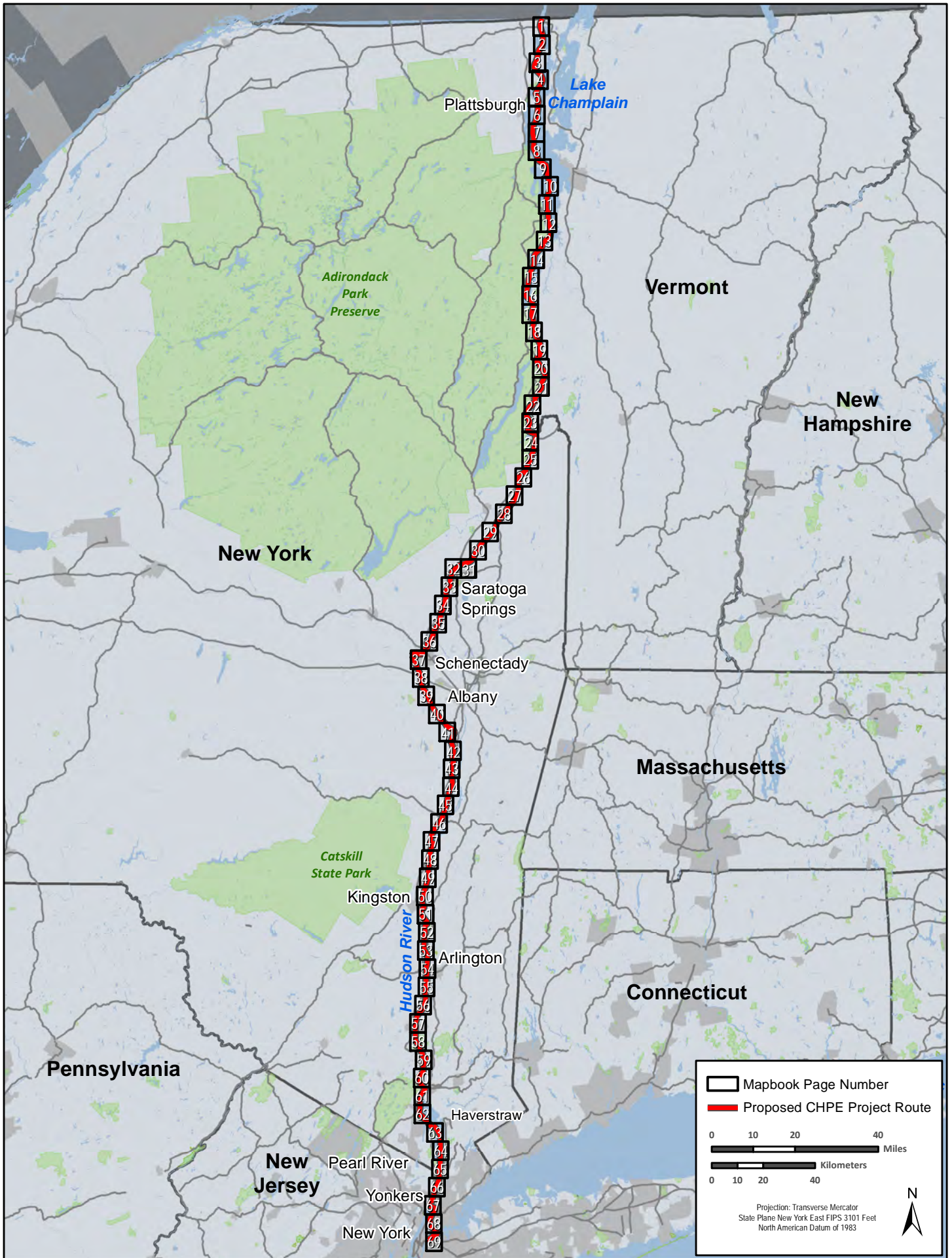
Proposed CHPE Project Transmission System Detailed Map Atlas

This appendix provides detailed maps of the entire proposed Champlain Hudson Power Express (CHPE) Project route. The sources of the base maps used for the figures are U.S. Geological Survey (USGS) 1:24,000-scale topographic quadrangle maps. **Table A-1** lists each of the maps presented in the appendix. The maps are presented in an order that geographically is from north to south.

Table A-1. Map Guide

Map Number	Mileposts	Segment	Key Geographic Feature
1	0–4	Lake Champlain	Rouses Point, NY
2	5–9	Lake Champlain	Point au Fer
3	9–13	Lake Champlain	Trembleau Point
4	14–18	Lake Champlain	Beekmantown, NY
5	19–23	Lake Champlain	Cumberland, NY
6	23–27	Lake Champlain	Sawyer Island
7	28–31	Lake Champlain	Providence Island
8	32–36	Lake Champlain	Port Kent, NY
9	37–41	Lake Champlain	Schuyler Island
10	42–46	Lake Champlain	Four Brothers Islands
11	46–50	Lake Champlain	Jones Point
12	51–55	Lake Champlain	Essex, NY
13	55–60	Lake Champlain	Split Rock Mountain
14	61–65	Lake Champlain	North West Bay
15	66–70	Lake Champlain	Beaver Brook
16	70–75	Lake Champlain	Crown Point State Park
17	75–79	Lake Champlain	Indian Ridge
18	80–84	Lake Champlain	Spar Mill Bay
19	85–89	Lake Champlain	Fort Ticonderoga, NY
20	90–94	Lake Champlain	Huckleberry Mountain
21	95–99	Lake Champlain	Mill Bay
22	100–105	Lake Champlain, Overland	Dresden, NY
23	105–110	Overland	Pine Lake Brook
24	110–115	Overland	Whitehall, NY
25	116–120	Overland	Great Meadows State Prison
26	120–125	Overland	Fort Ann, NY
27	126–130	Overland	Kingsbury, NY
28	131–135	Overland	Hudson Falls NY
29	136–141	Overland	Moreau, NY
30	142–146	Overland	Ballard Corners, NY

Map Number	Mileposts	Segment	Key Geographic Feature
31	147–149	Overland	Wilton, NY
32	150–153	Overland	Saratoga Springs, NY
33	154–158	Overland	Saratoga Spa State Park
34	159–163	Overland	Ballston Spa, NY
35	164–168	Overland	Burnt Hills, NY
36	168–173	Overland	Mohawk River
37	174–180	Overland	Rotterdam, NY
38	181–185	Overland	Watervliet Reservoir
39	186–190	Overland	Voorheesville, NY
40	191–195	Overland	Unionville, NY
41	196–201	Overland	South Bethlehem, NY
42	202–206	Overland	Ravena, NY
43	207–210	Overland	New Baltimore, NY
44	211–215	Overland	Coxsackie, NY
45	216–219	Overland	Athens, NY
46	220–225	Overland	Catskill, NY
47	225–230	Overland, Hudson River	Germantown, NY
48	231–235	Hudson River	Saugerties, NY
49	235–239	Hudson River	Tivoli Bay State Unique Area
50	240–244	Hudson River	Ulster, NY
51	245–249	Hudson River	Port Ewen, NY
52	249–253	Hudson River	Norrie State Park
53	254–258	Hudson River	Hyde Park, NY
54	258–262	Hudson River	Poughkeepsie, NY
55	263–267	Hudson River	Poughkeepsie, NY
56	267–271	Hudson River	Newburgh, NY
57	272–276	Hudson River	Beacon, NY
58	277–281	Hudson River	Cornwall, NY
59	282–286	Hudson River	West Point, NY
60	287–291	Hudson River	Highlands, NY
61	292–296	Hudson River	Stony Point, NY
62	297–301	Hudson River	Haverstraw, NY
63	302–307	Hudson River	Rockland Lake State Park
64	308–311	Hudson River	Tarrytown, NY
65	312–316	Hudson River	Greenburgh, NY
66	317–321	Hudson River	Yonkers, NY
67	321–326	Hudson River, New York City Metropolitan Area	Spuyten Duyvil, NY
68	327–332	New York City Metropolitan Area	Bronx, NY
69	333–336	New York City Metropolitan Area	Queens, NY



Mapbook Page Number
 Proposed CHPE Project Route

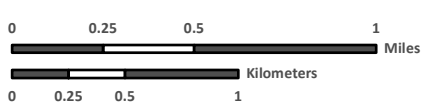
0 10 20 40
 Miles

0 10 20 40
 Kilometers

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

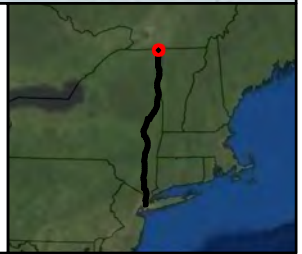
N

Source: Imagery and base map data-(c) 2010 Microsoft Corporation and its data suppliers.

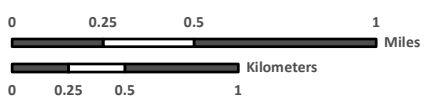


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

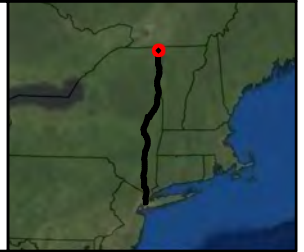


Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.

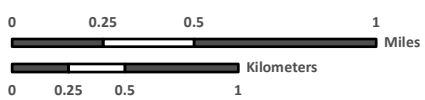


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

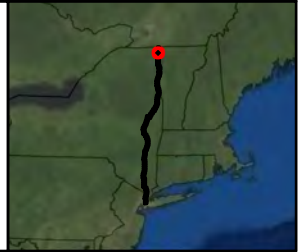


Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.

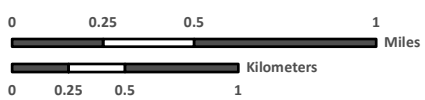
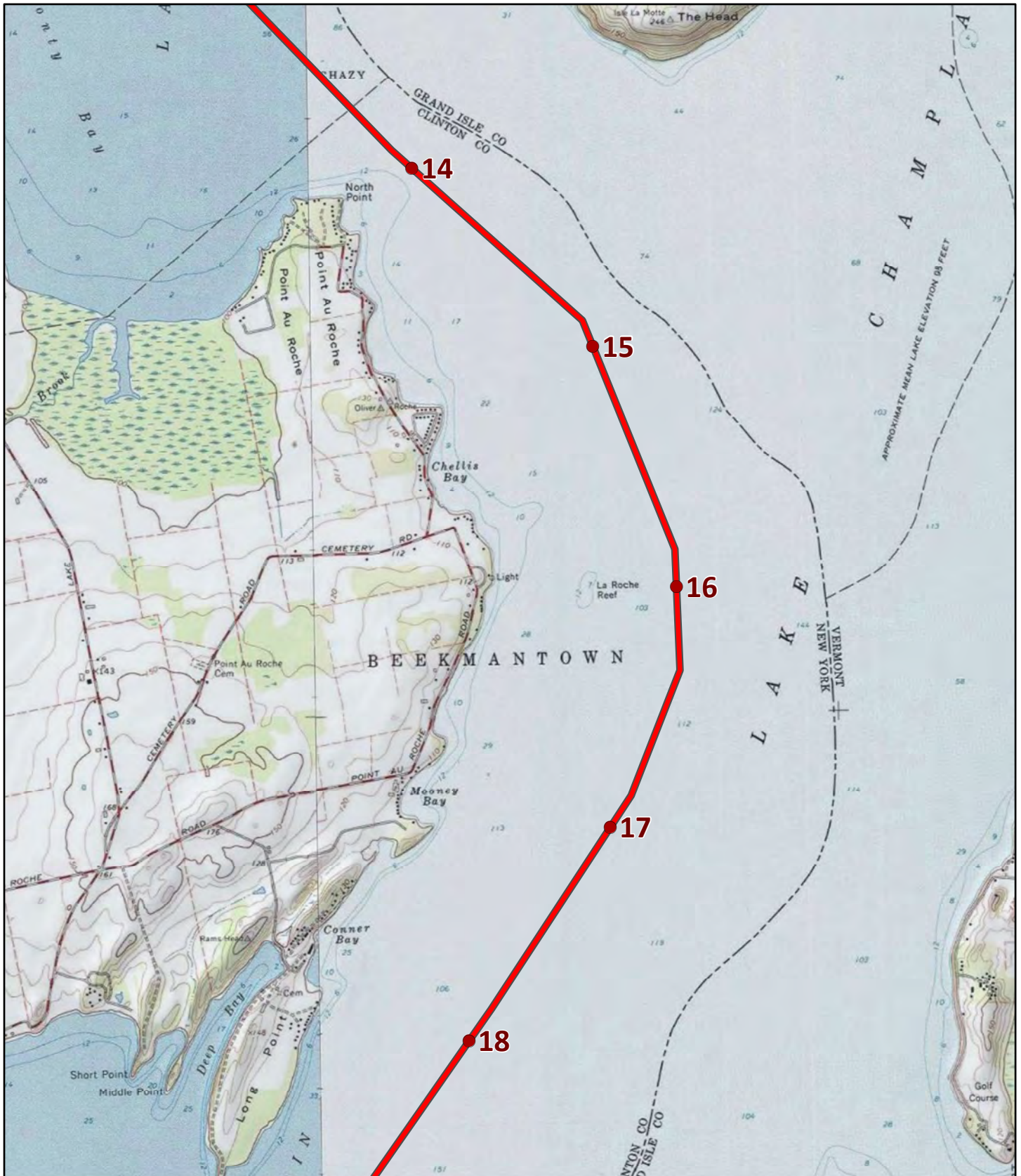


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

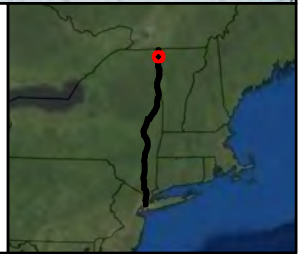


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

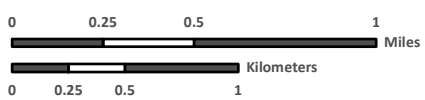


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

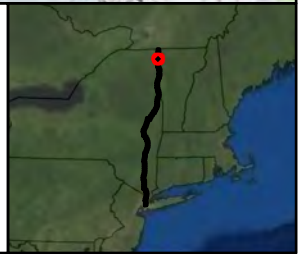


Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.

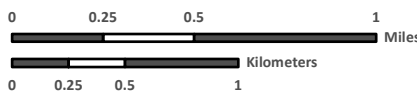


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

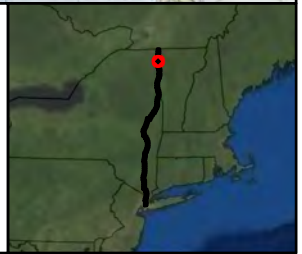


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

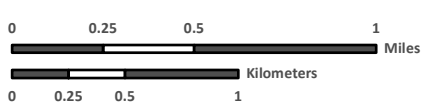
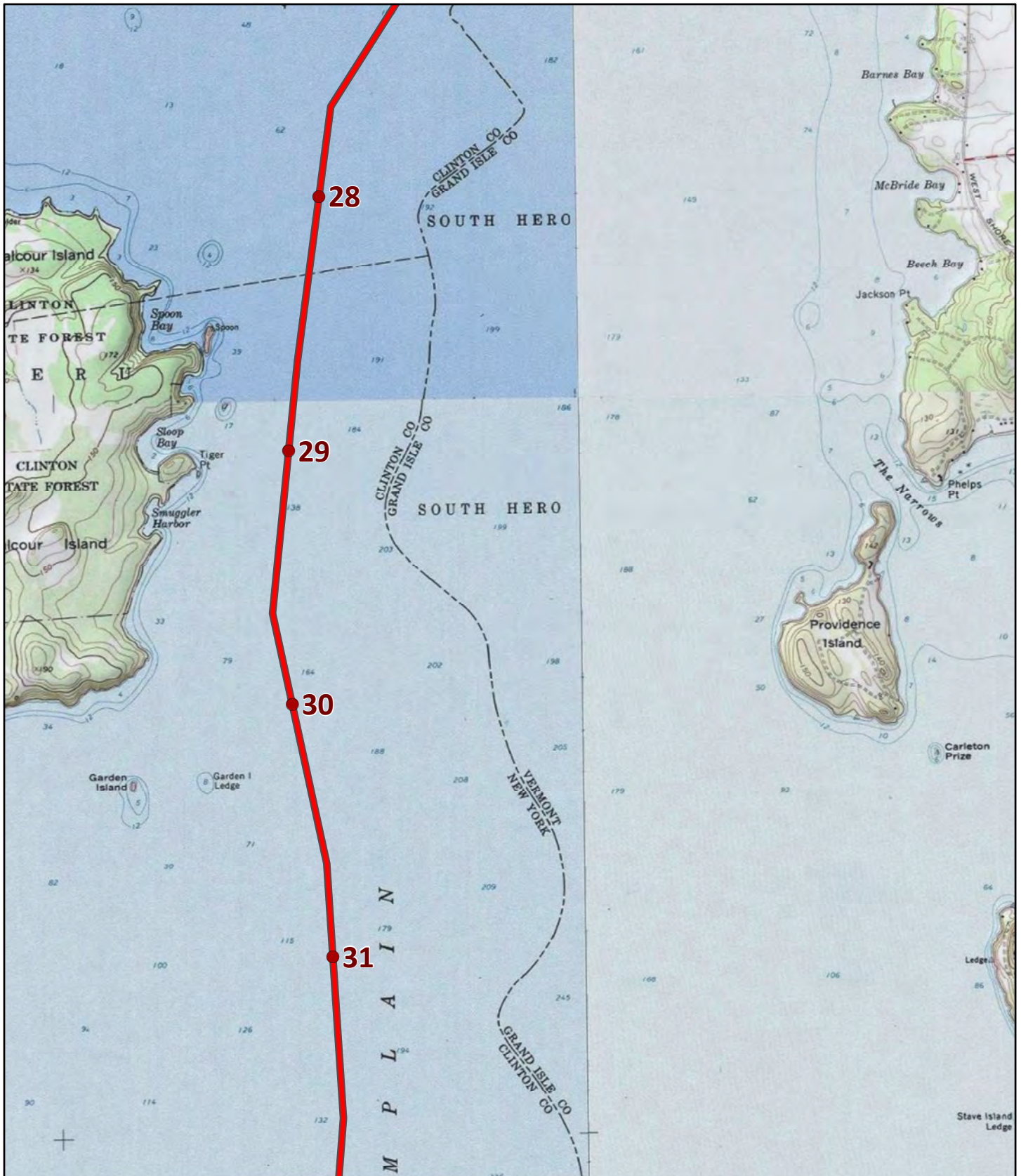


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

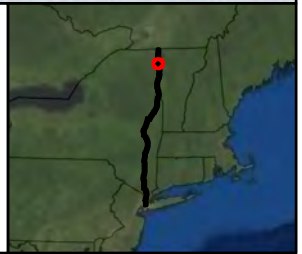


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

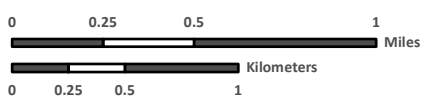
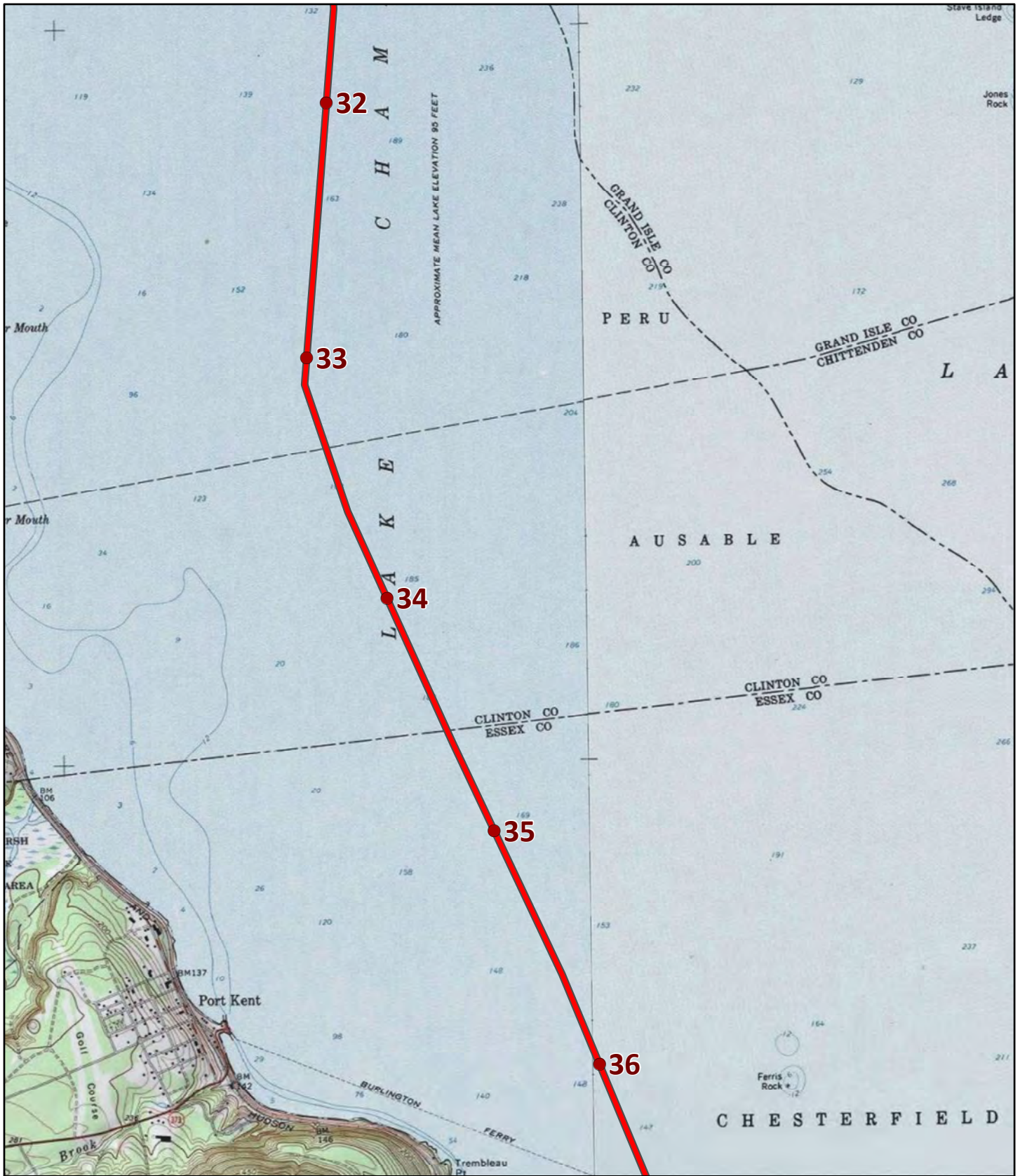


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands



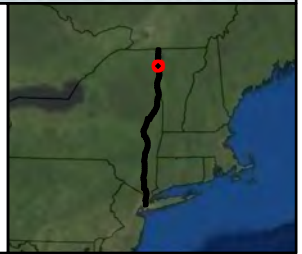
Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.



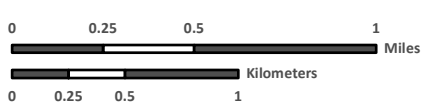
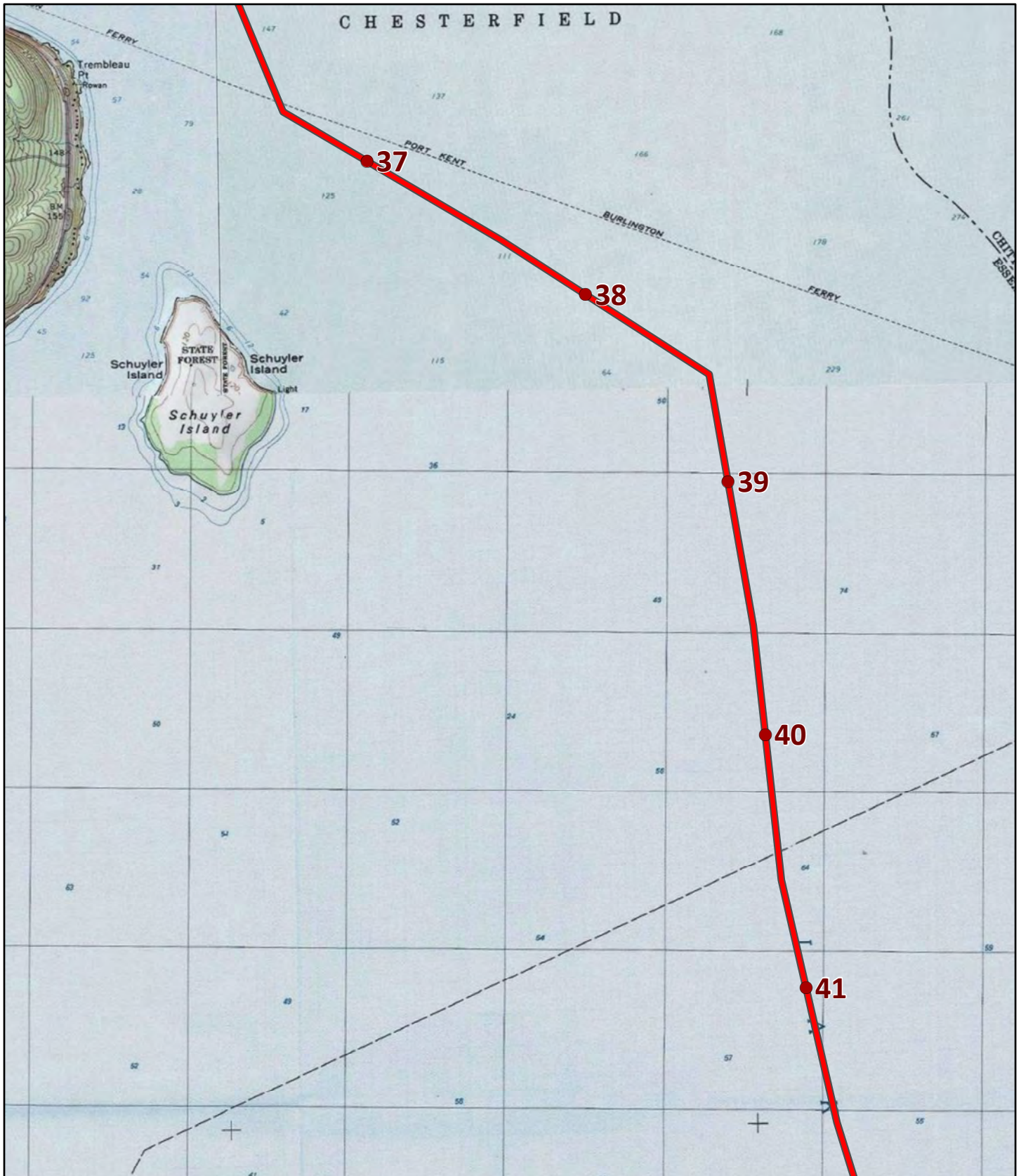
- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone

Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

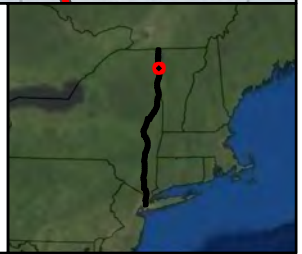


Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.

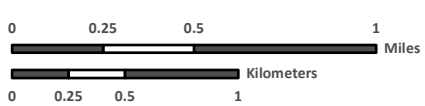
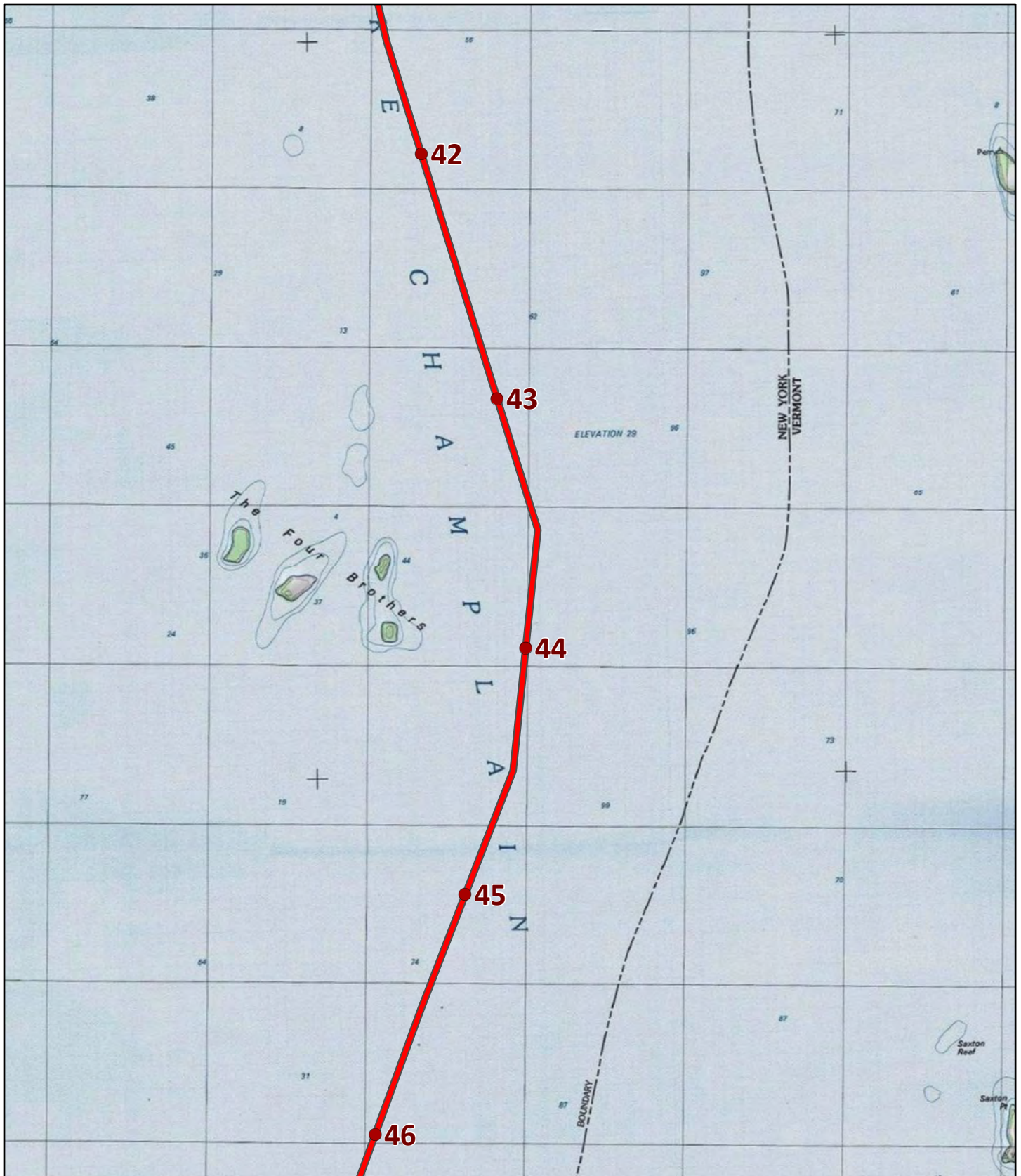


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

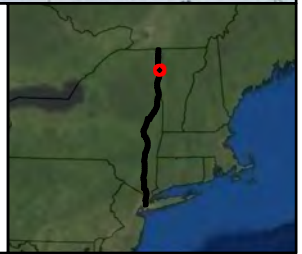


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

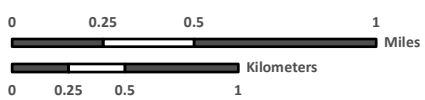
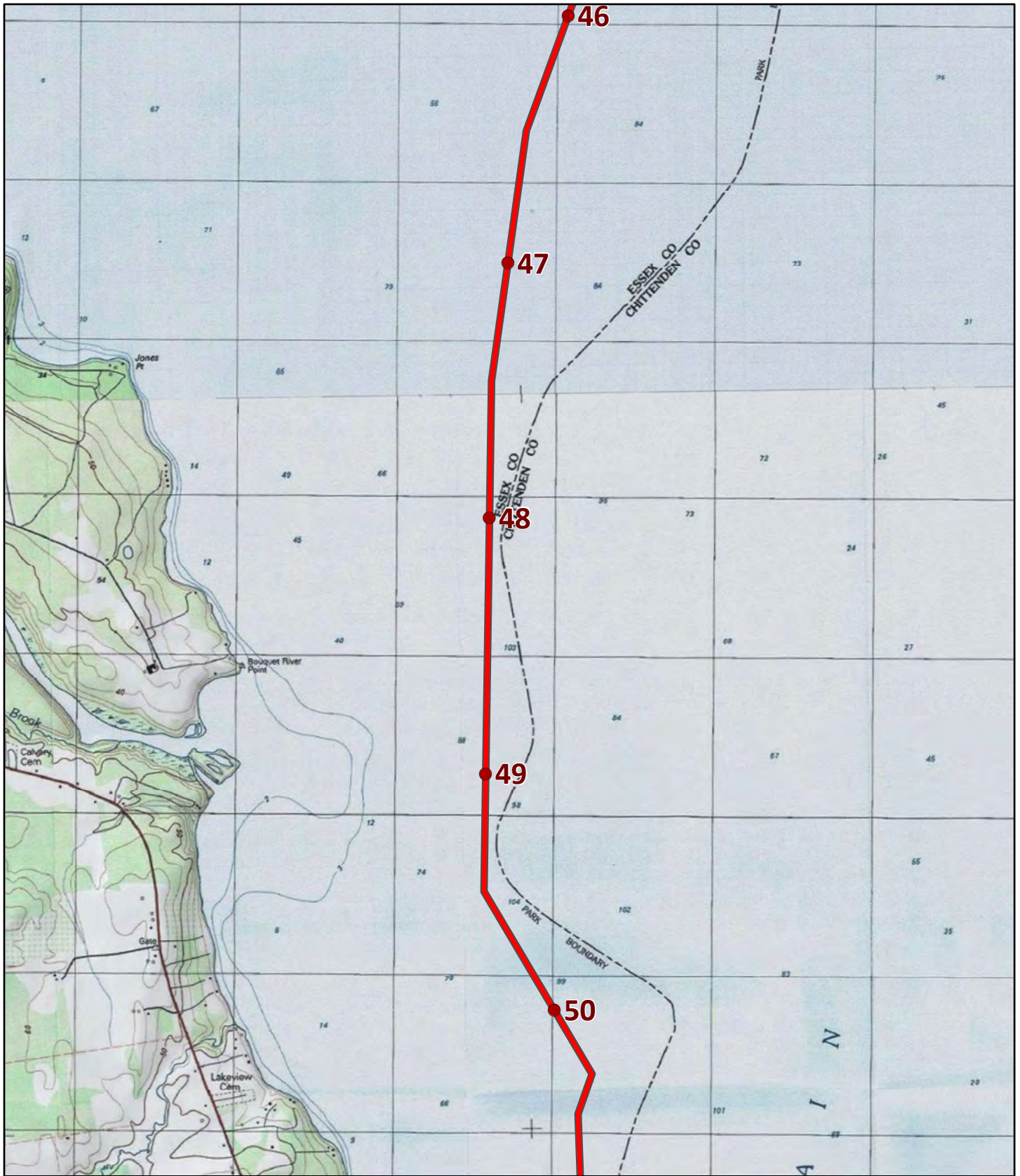


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- ▨ Federal Navigation Channel
- ▨ FEMA 100-Year Flood Zone
- Delineated Wetlands

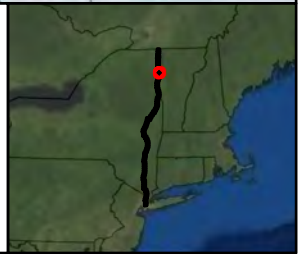


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

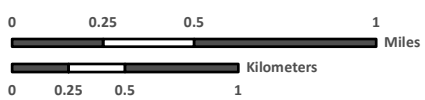
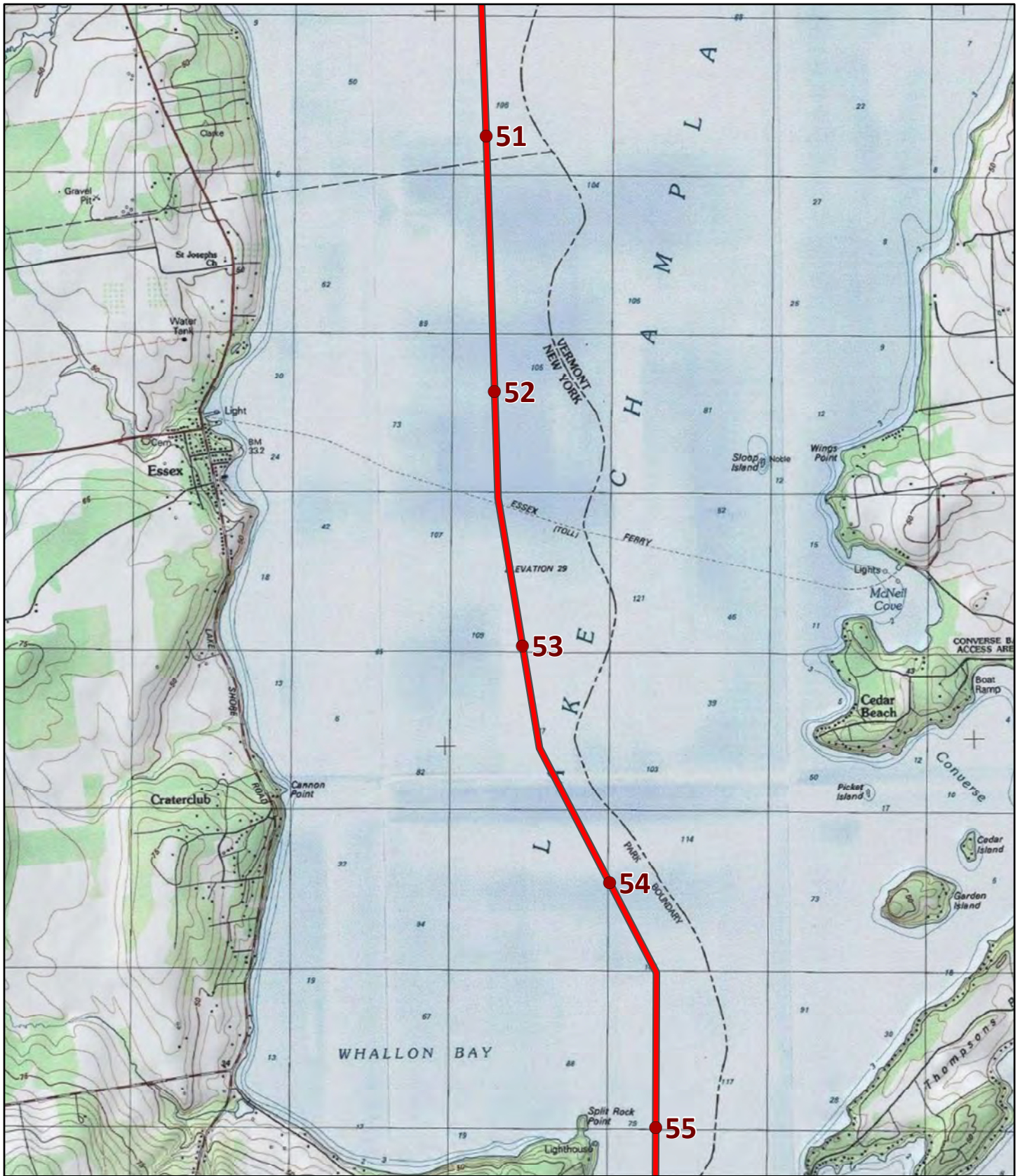


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

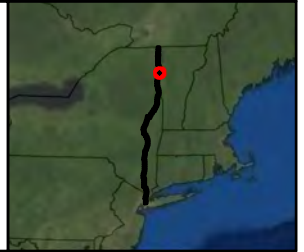


Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.

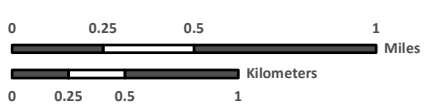


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

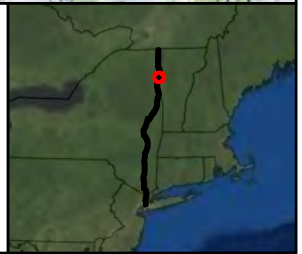


Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.

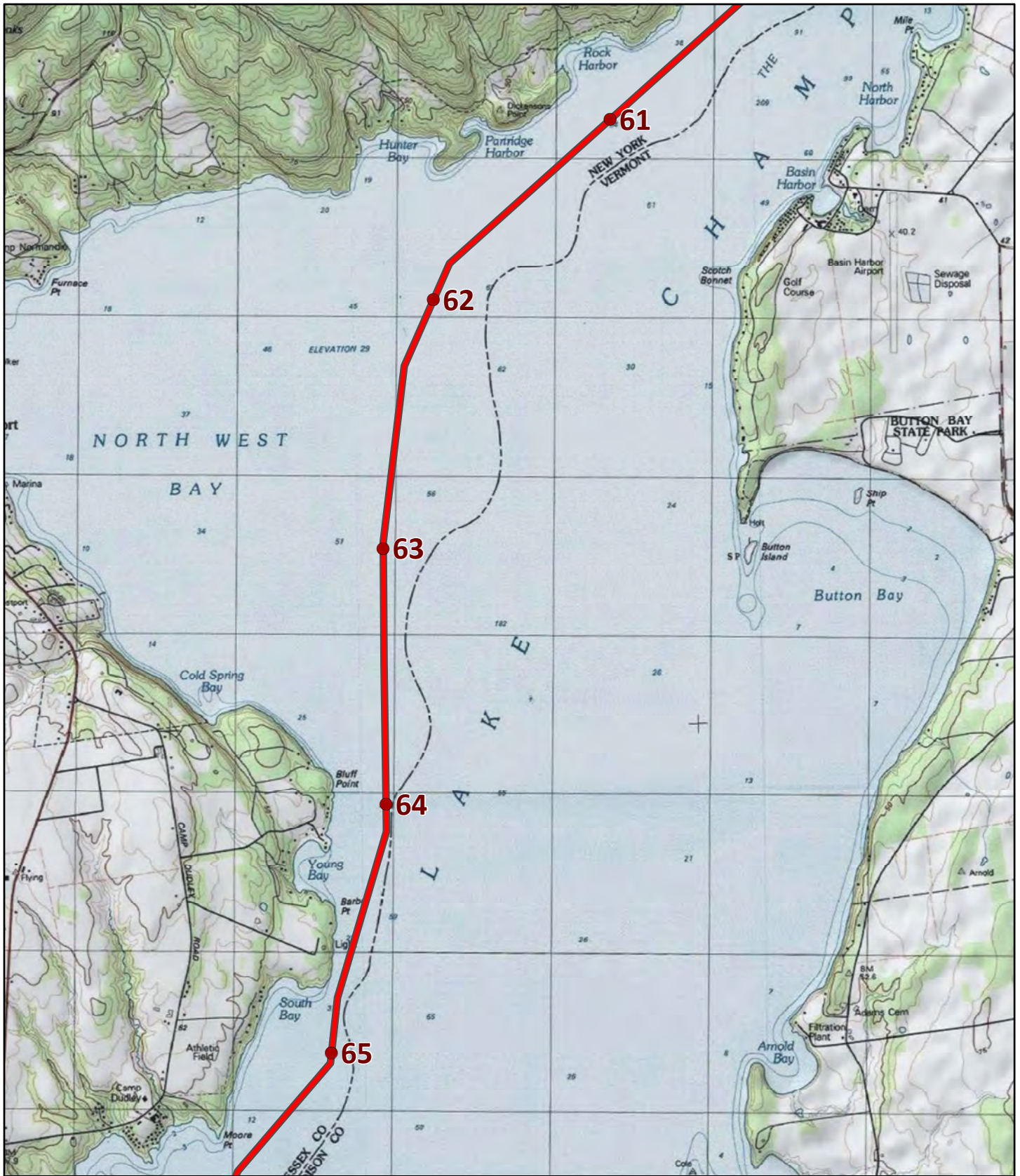


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

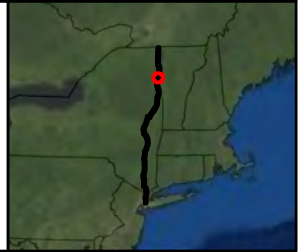


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

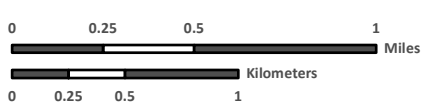
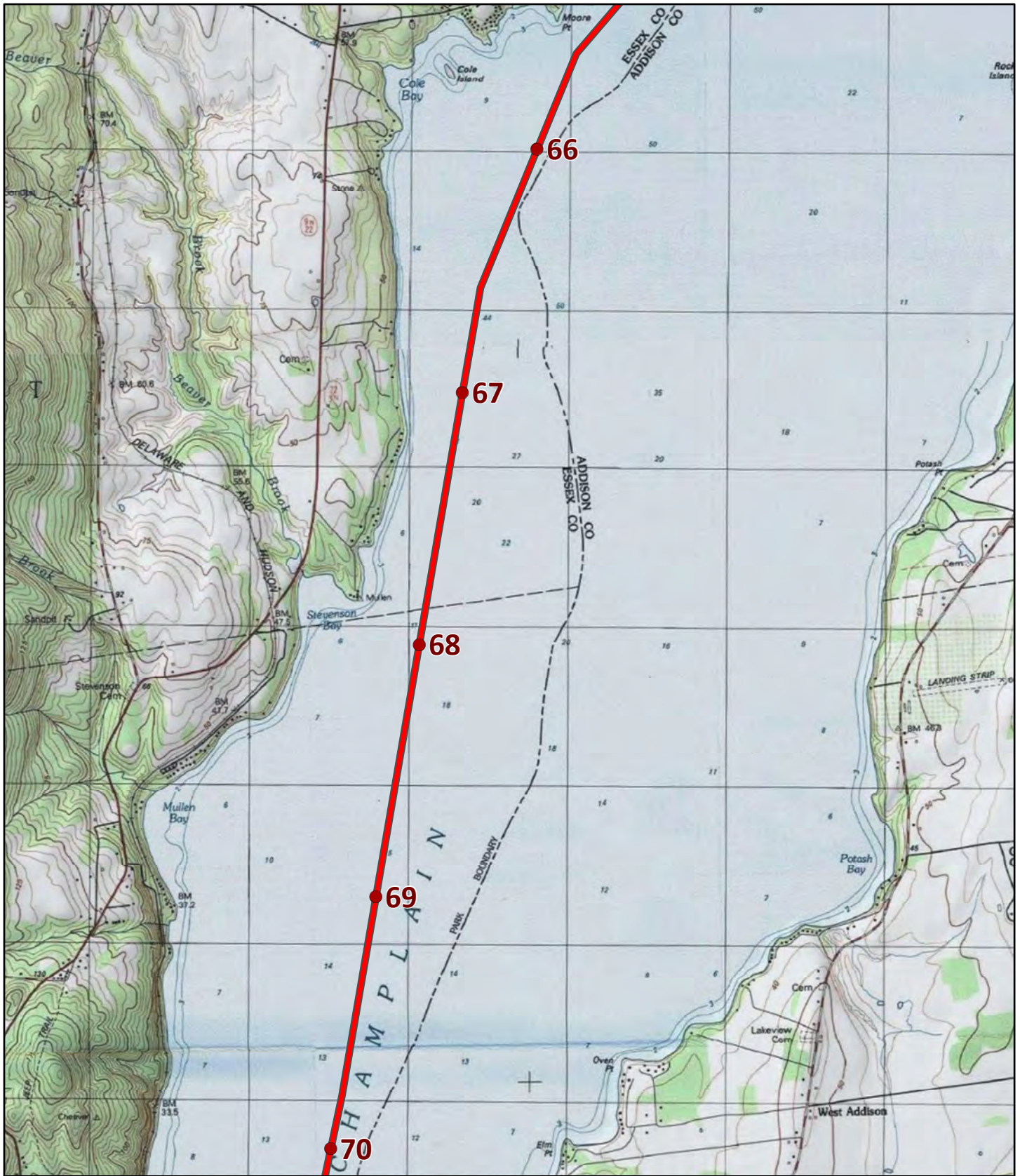


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

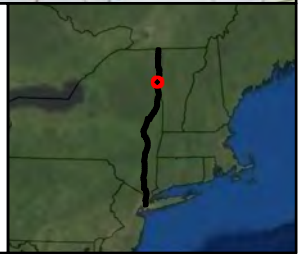


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

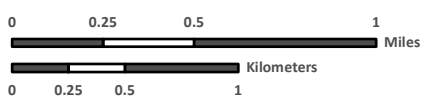


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- Delineated Wetlands
- FEMA 100-Year Flood Zone

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

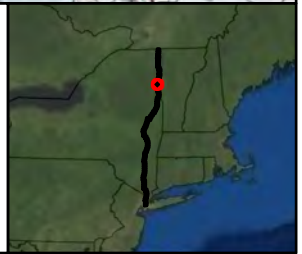


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

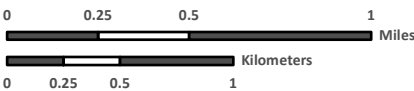
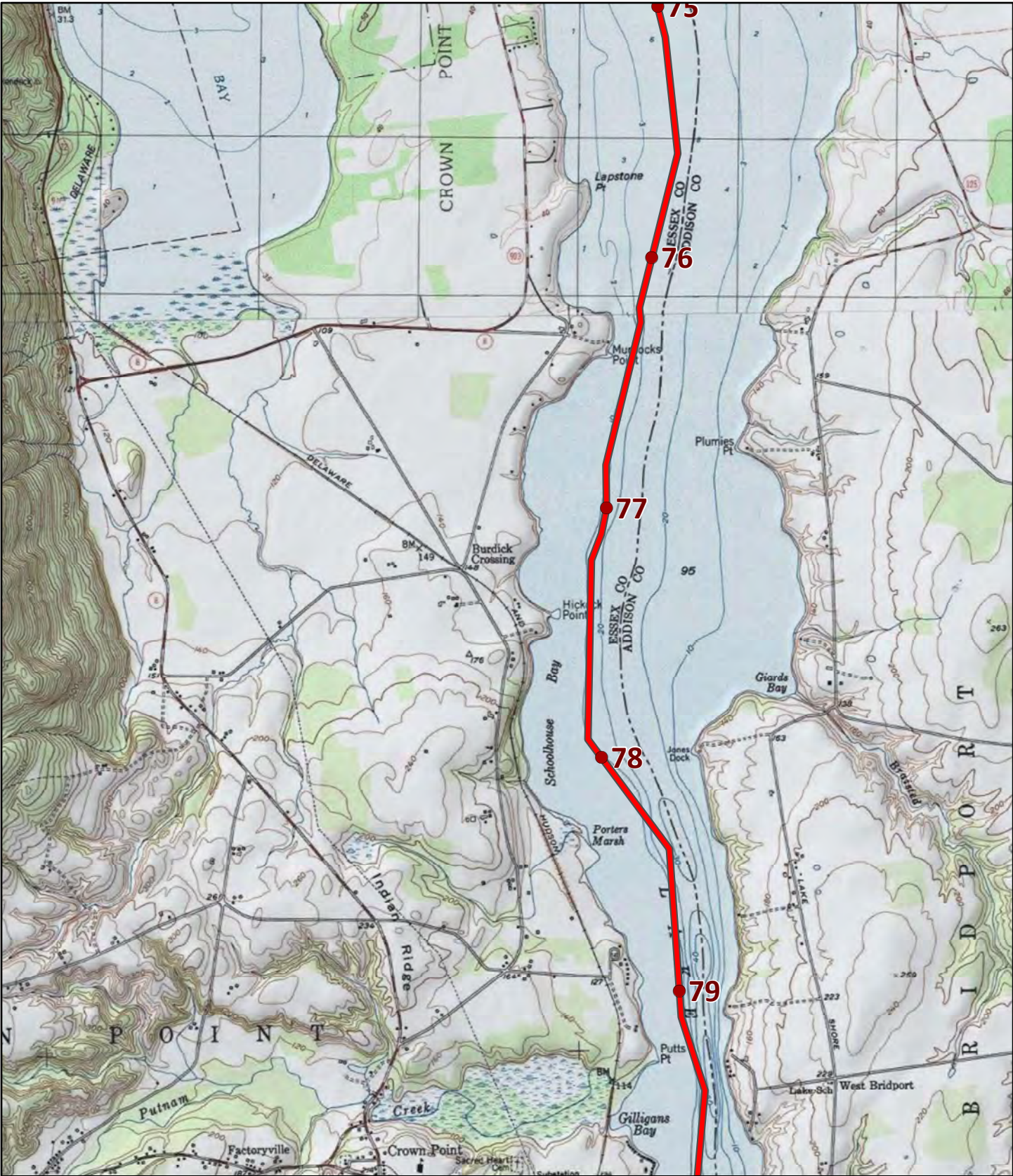


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- Delineated Wetlands
- FEMA 100-Year Flood Zone

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983



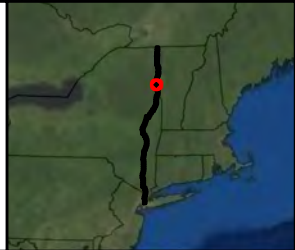
Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.



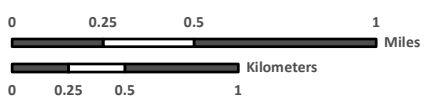
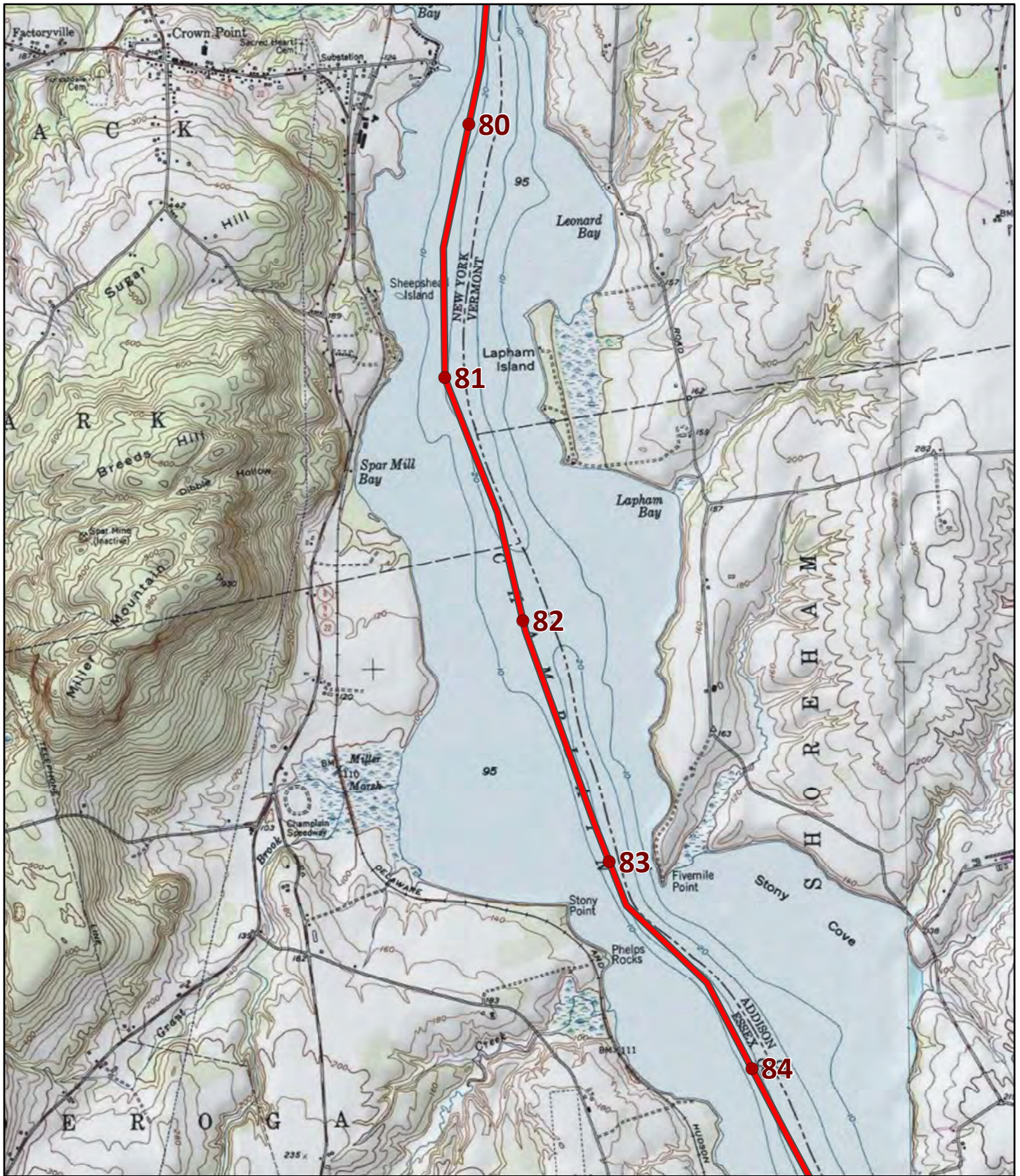
Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983



- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- ▨ Federal Navigation Channel
- ▨ FEMA 100-Year Flood Zone
- ▨ Delineated Wetlands

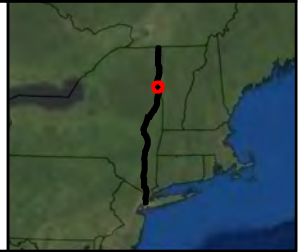


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

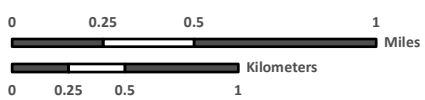
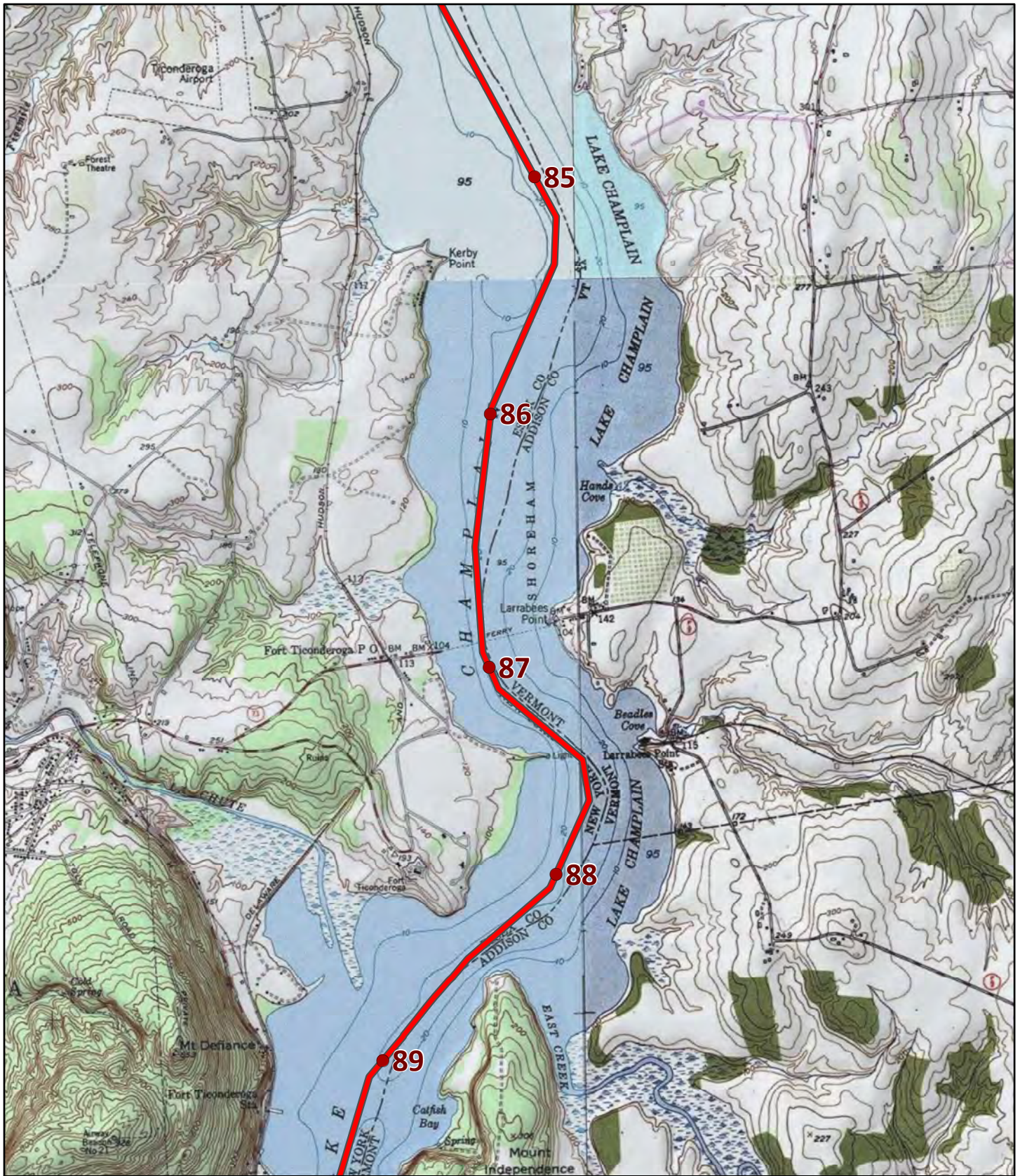


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

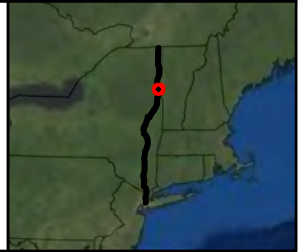


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

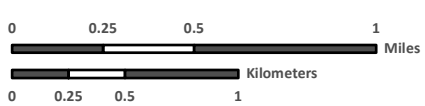
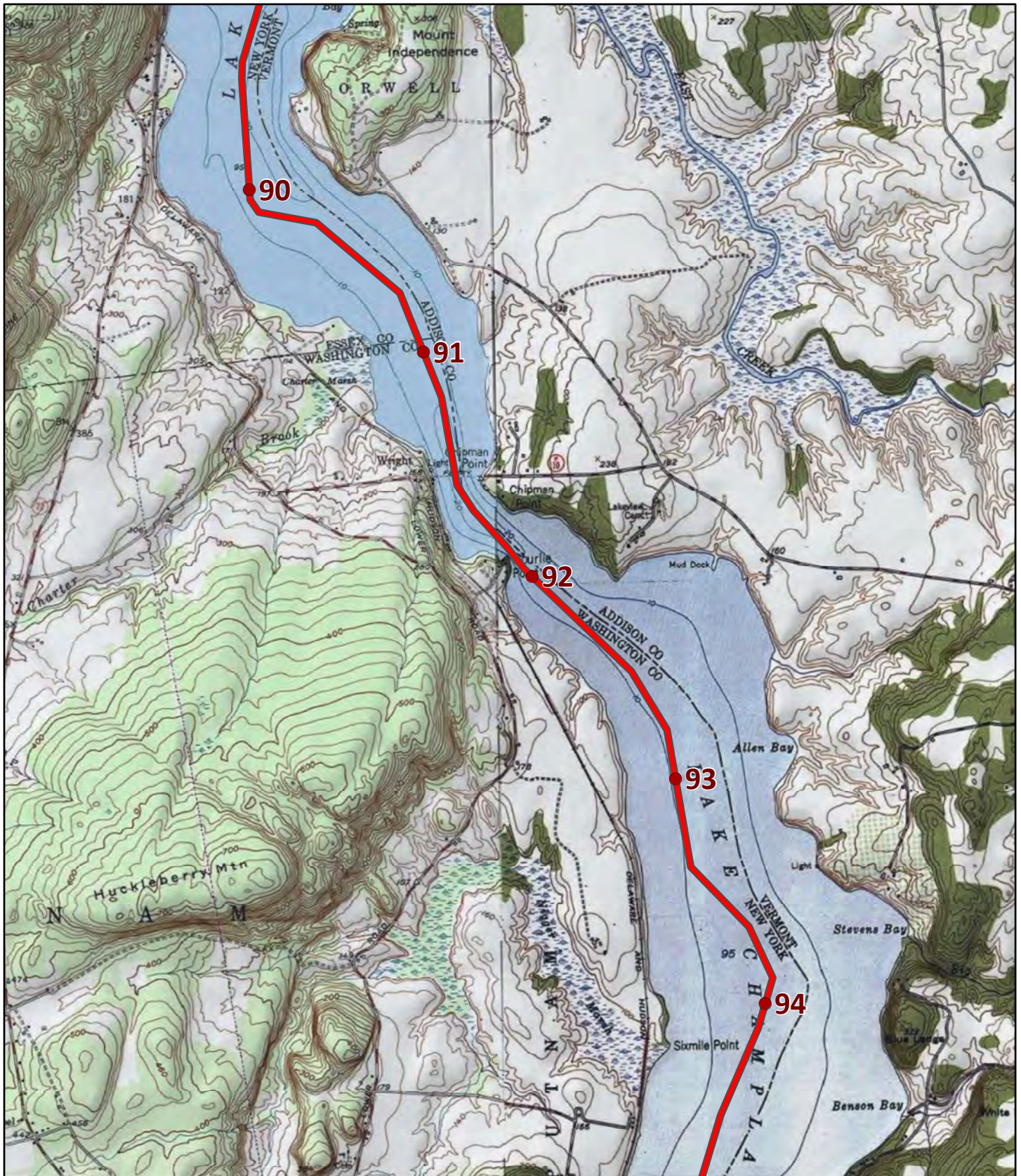


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

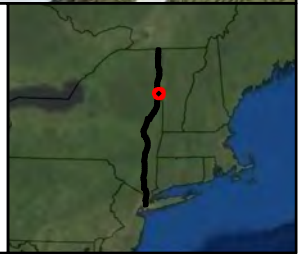


Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.

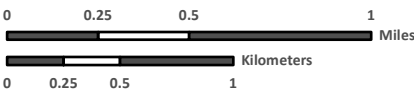
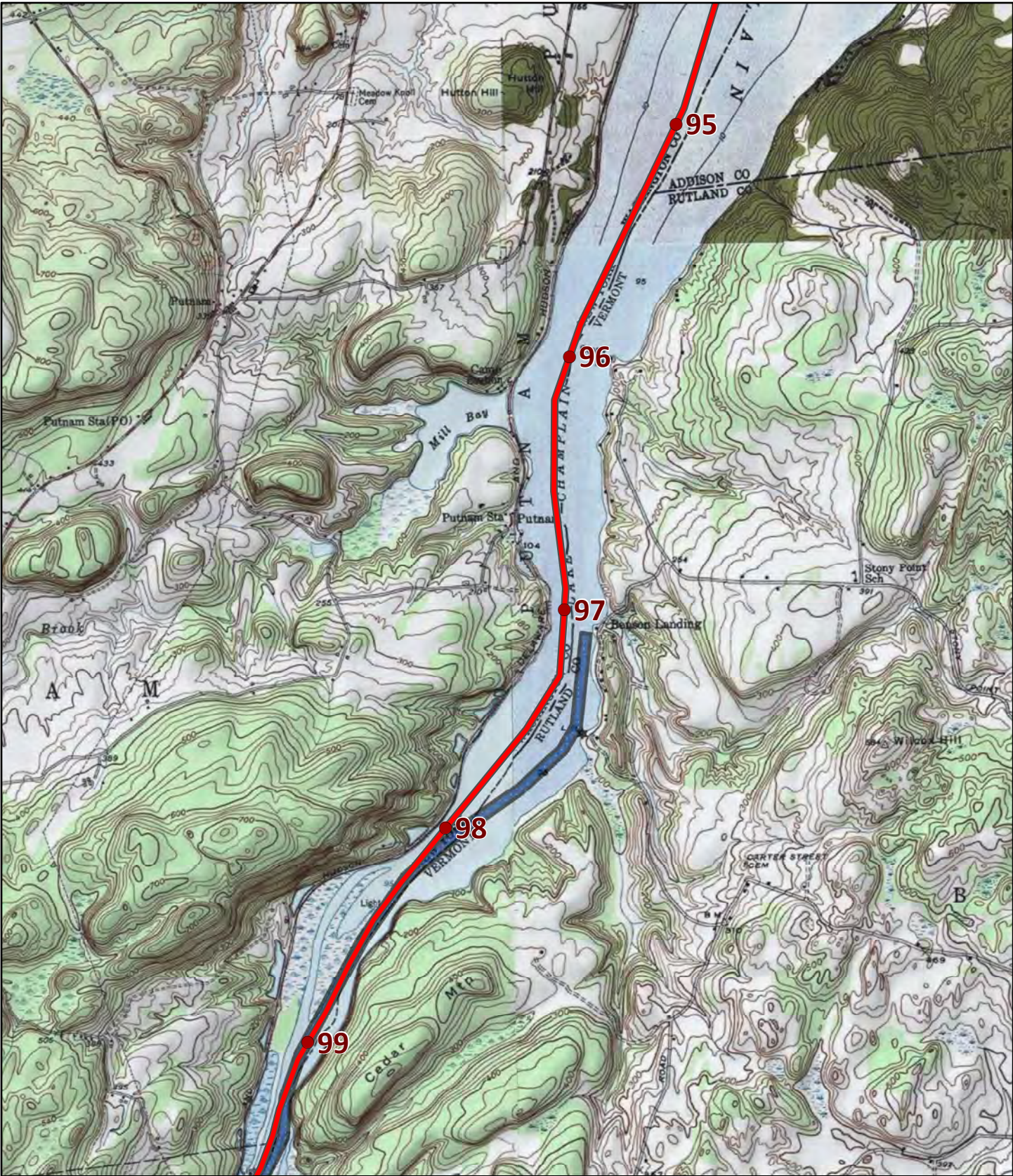


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

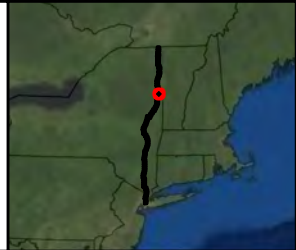


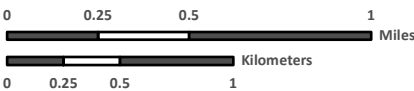
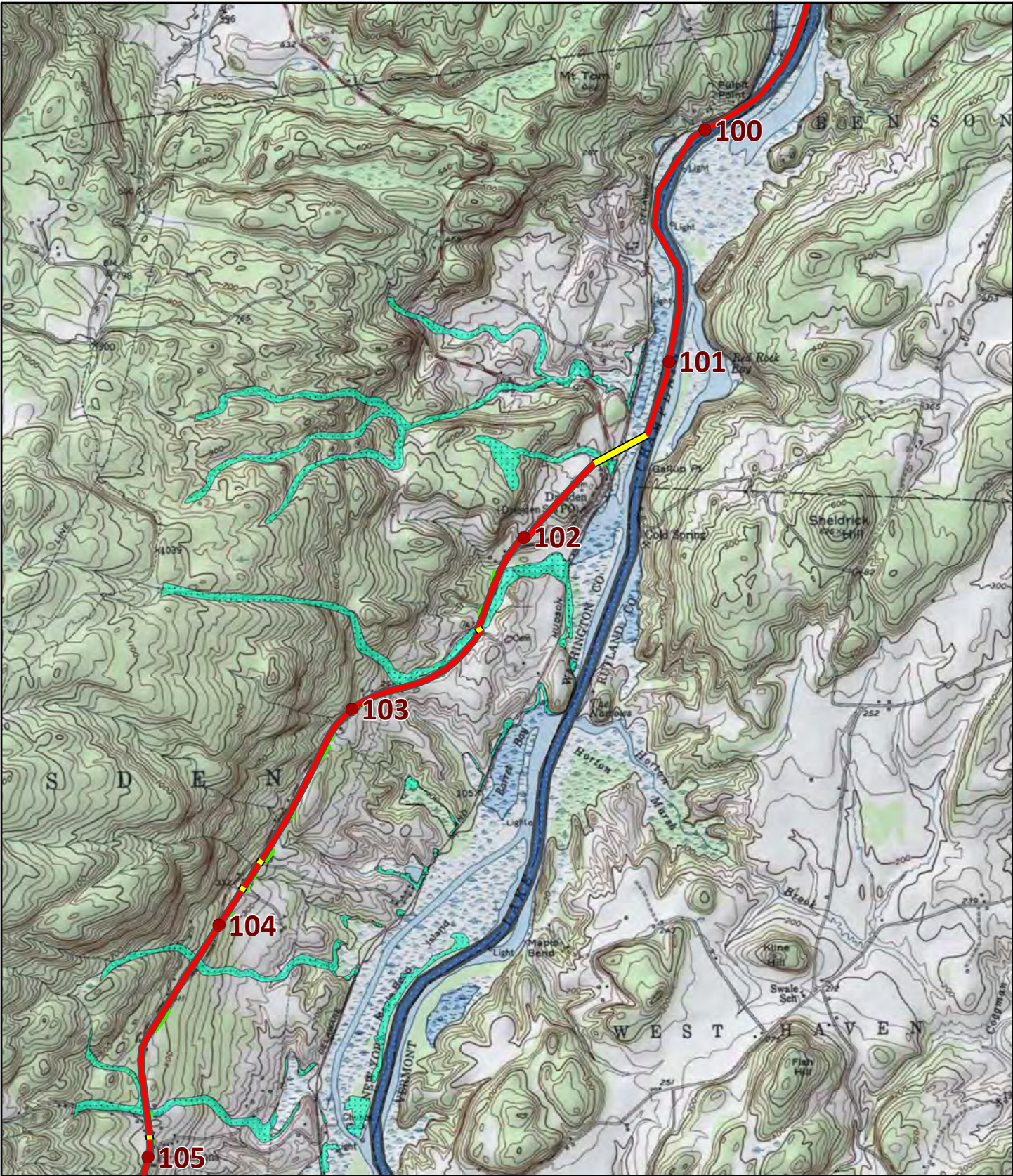
Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.



Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

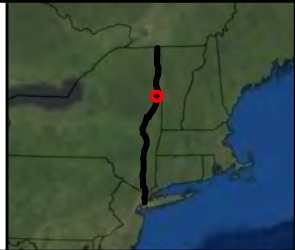
- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- ▨ Federal Navigation Channel
- ▨ FEMA 100-Year Flood Zone
- ▨ Delineated Wetlands



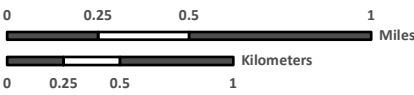
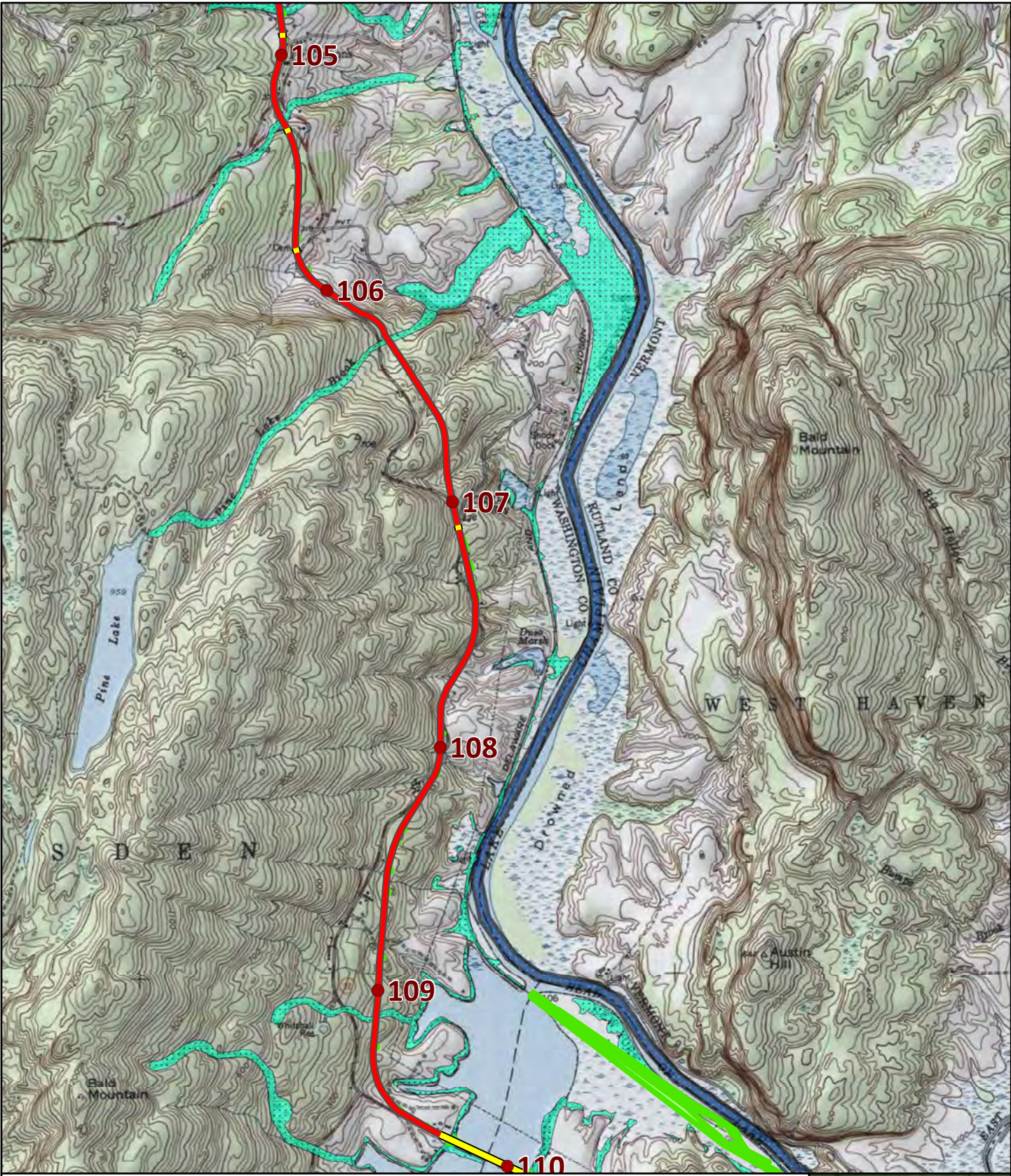


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- ▨ Federal Navigation Channel
- ▨ FEMA 100-Year Flood Zone
- ▨ Delineated Wetlands



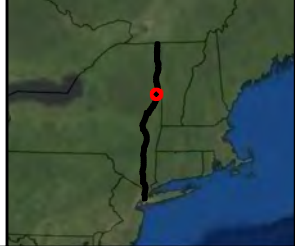
Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.



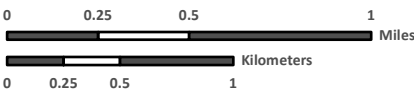
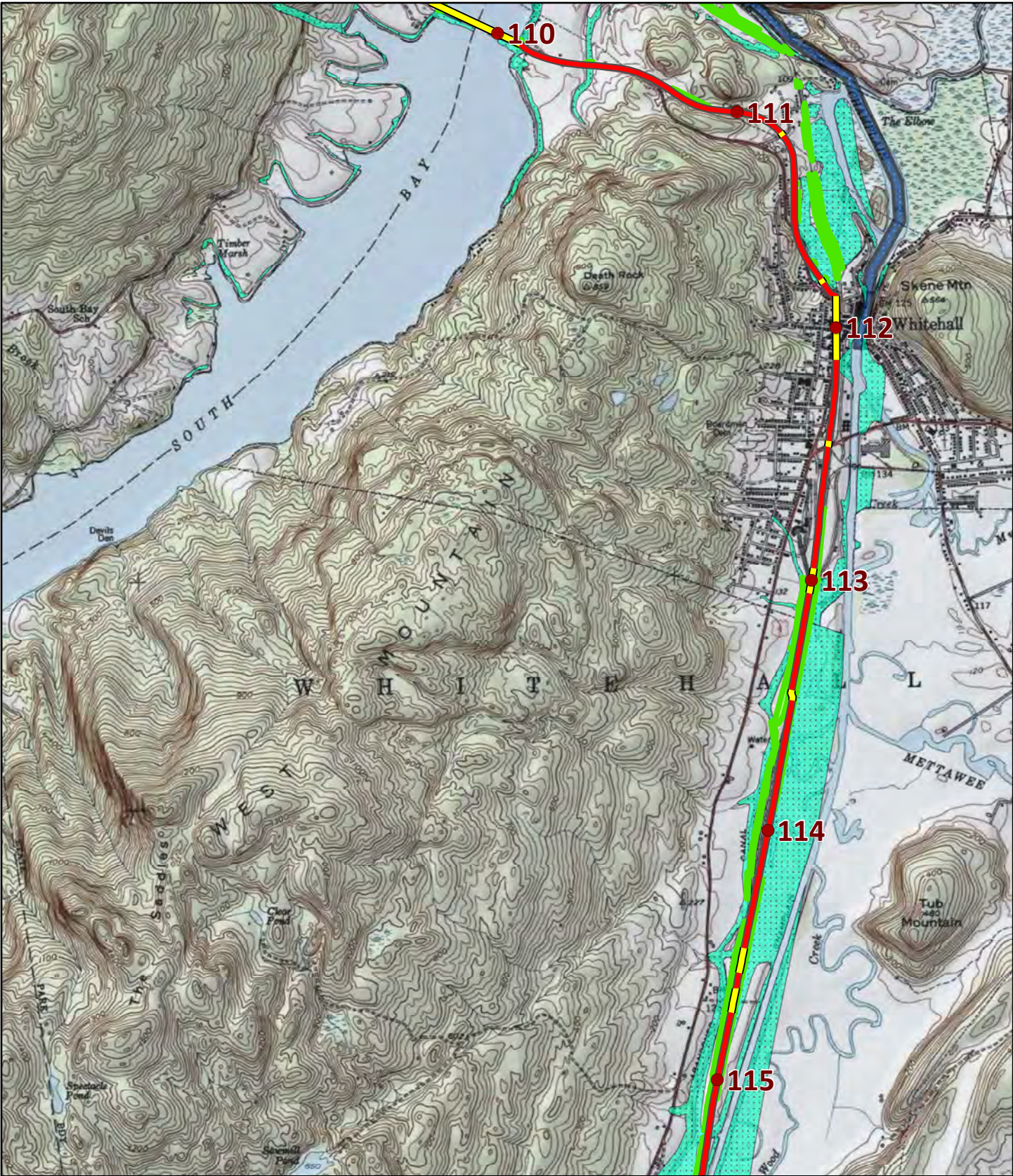
Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983



- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

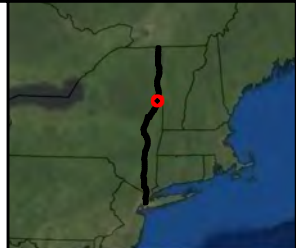


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

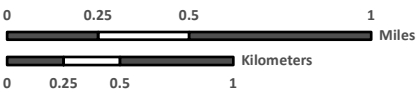
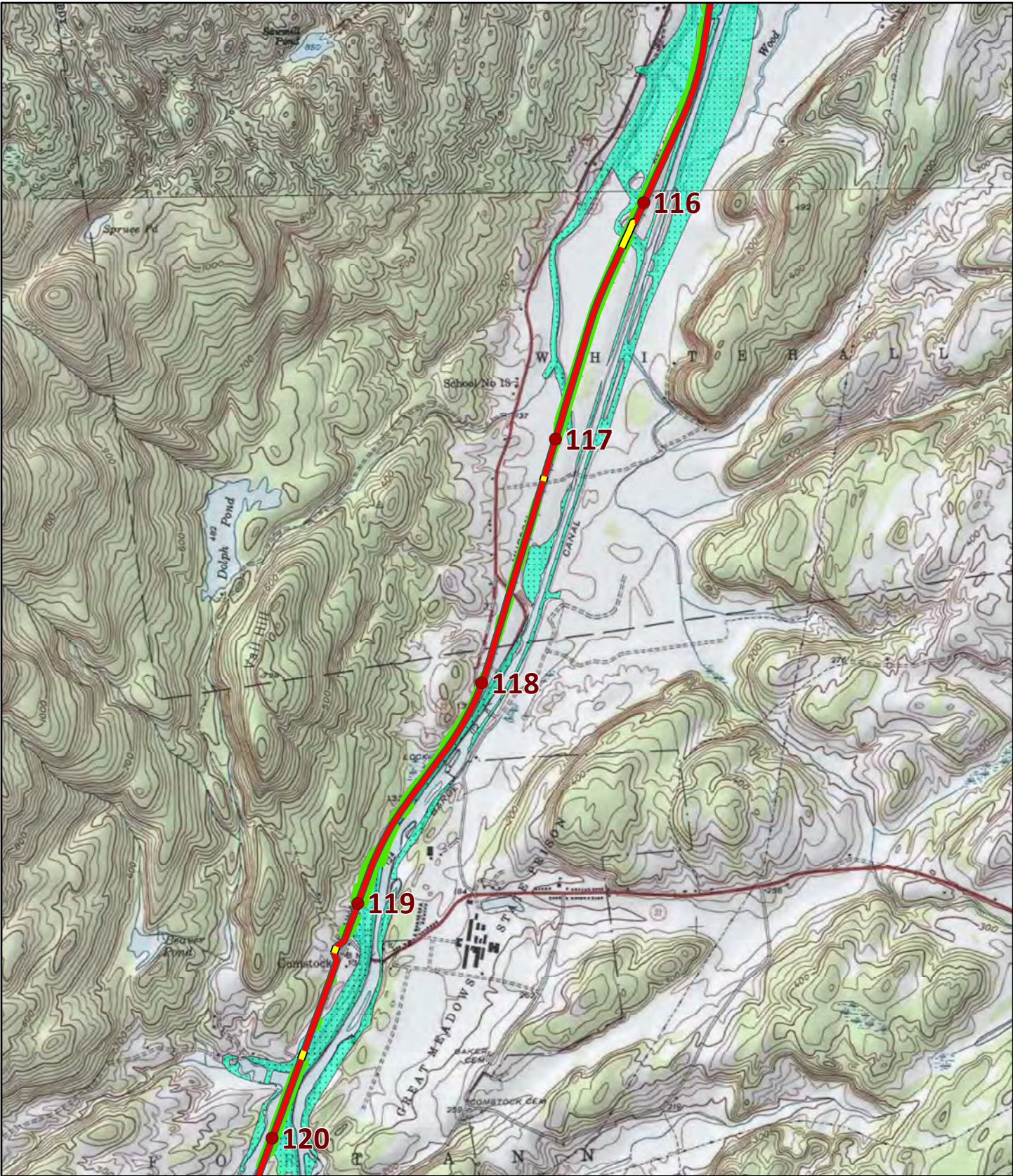


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- Delineated Wetlands
- FEMA 100-Year Flood Zone

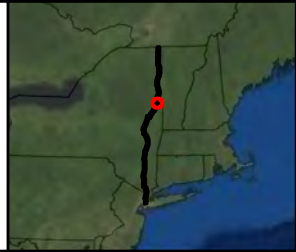


Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.

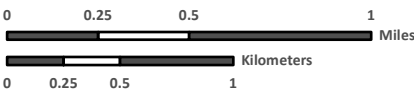
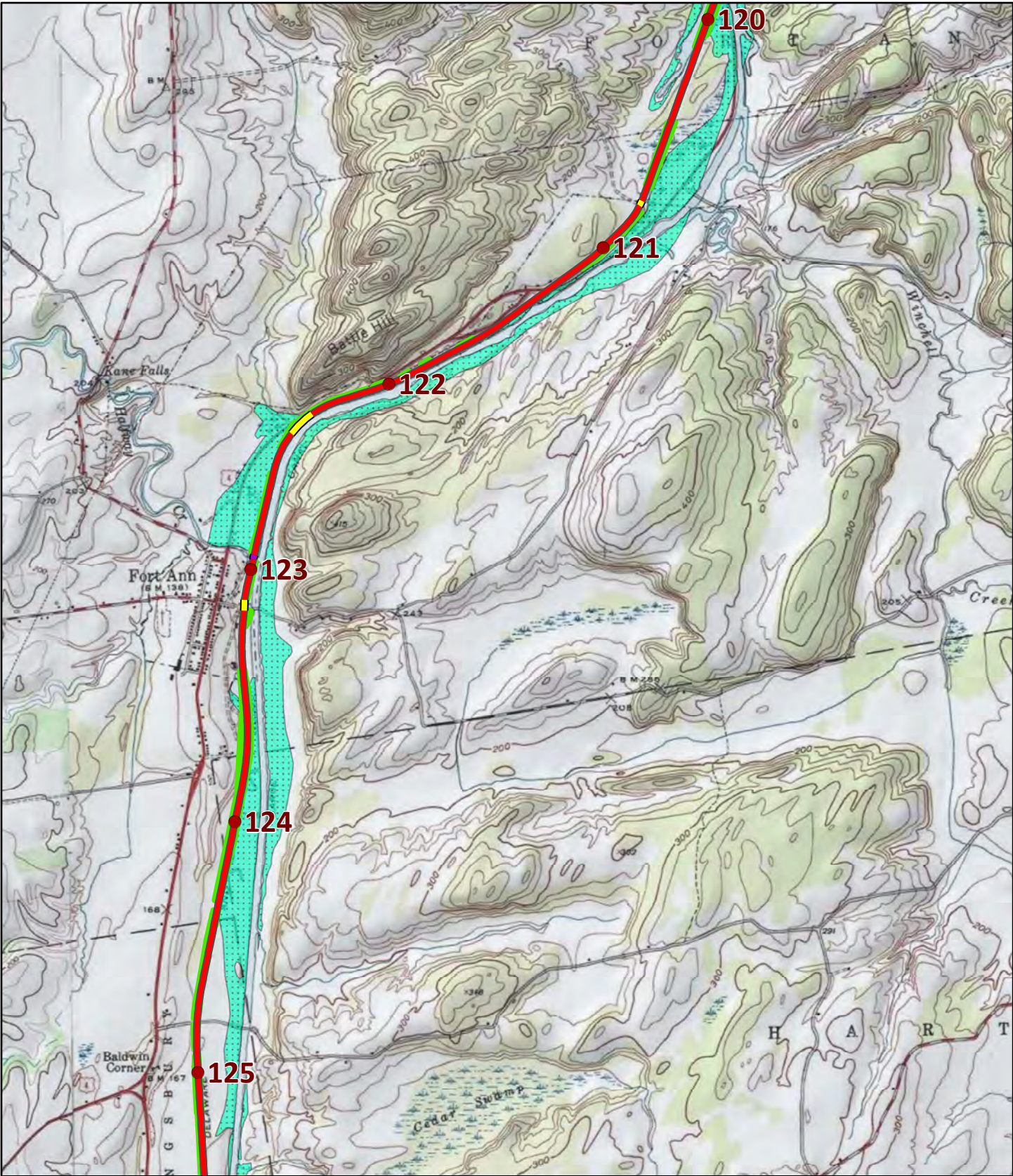


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983



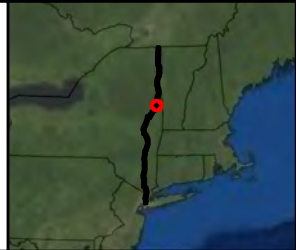
Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.



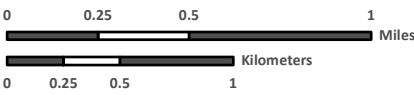
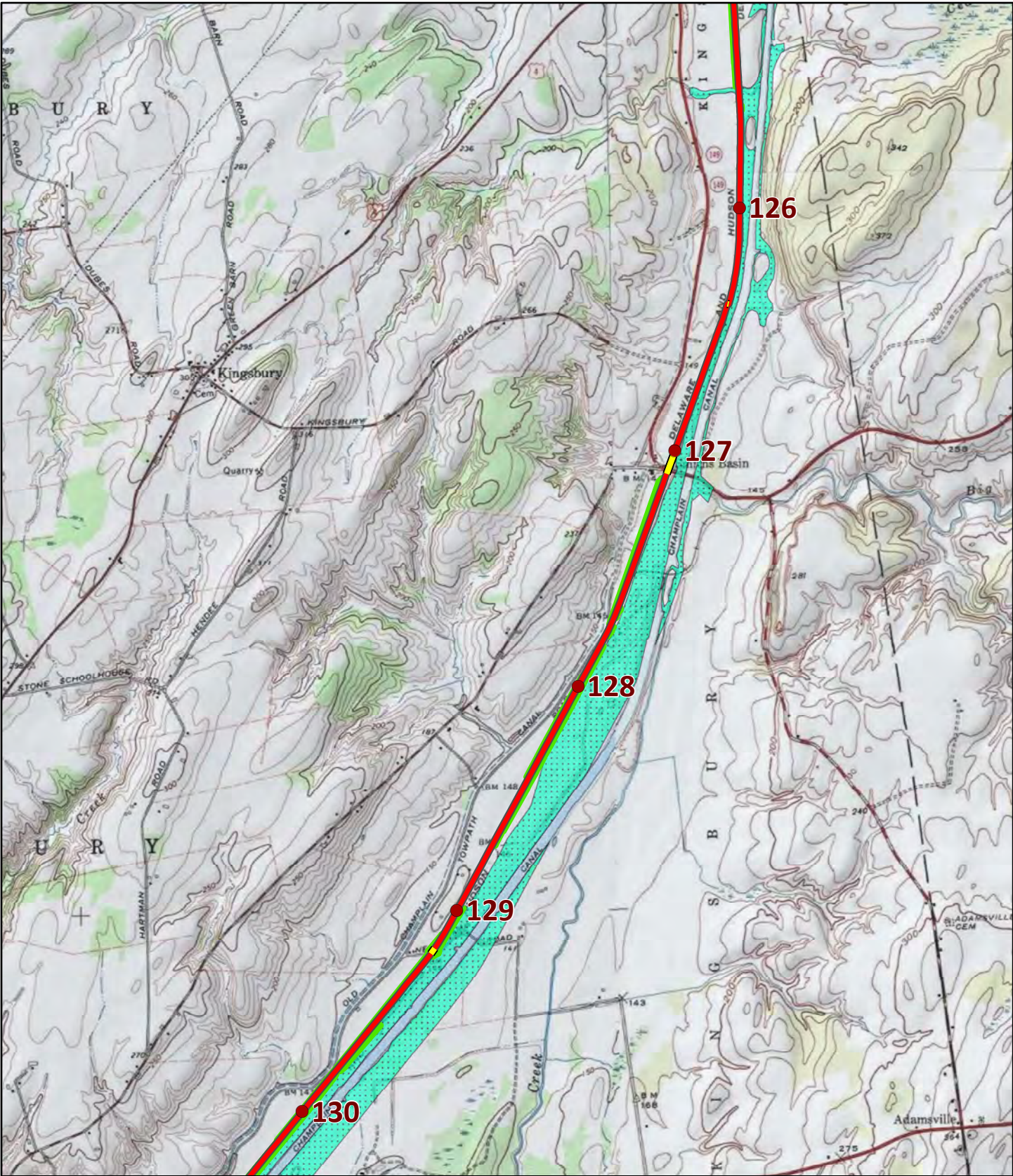
- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone

■ Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

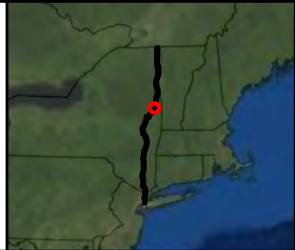


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

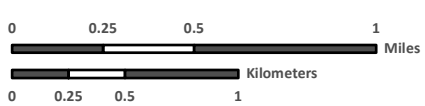
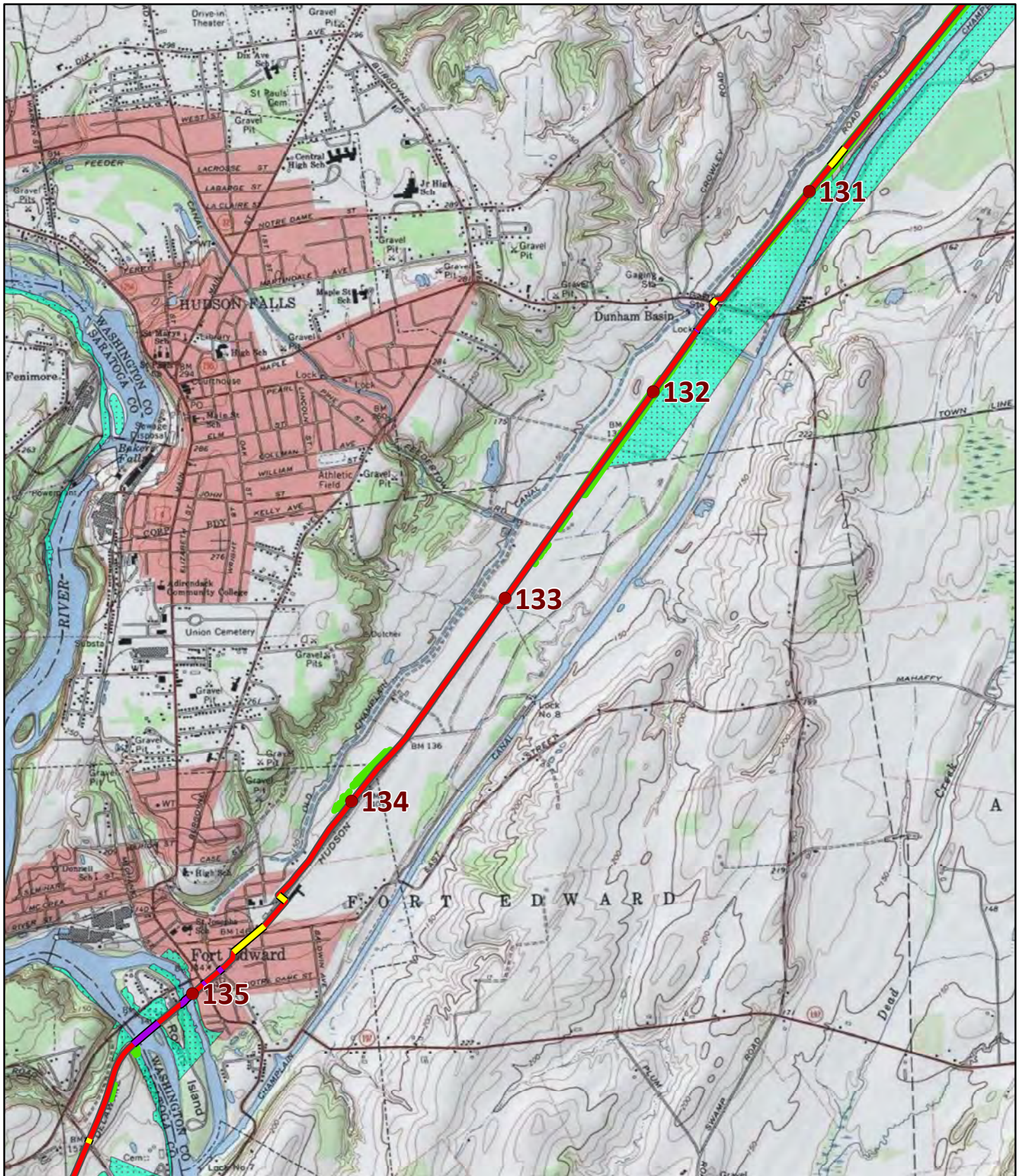


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands



Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

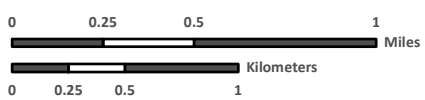
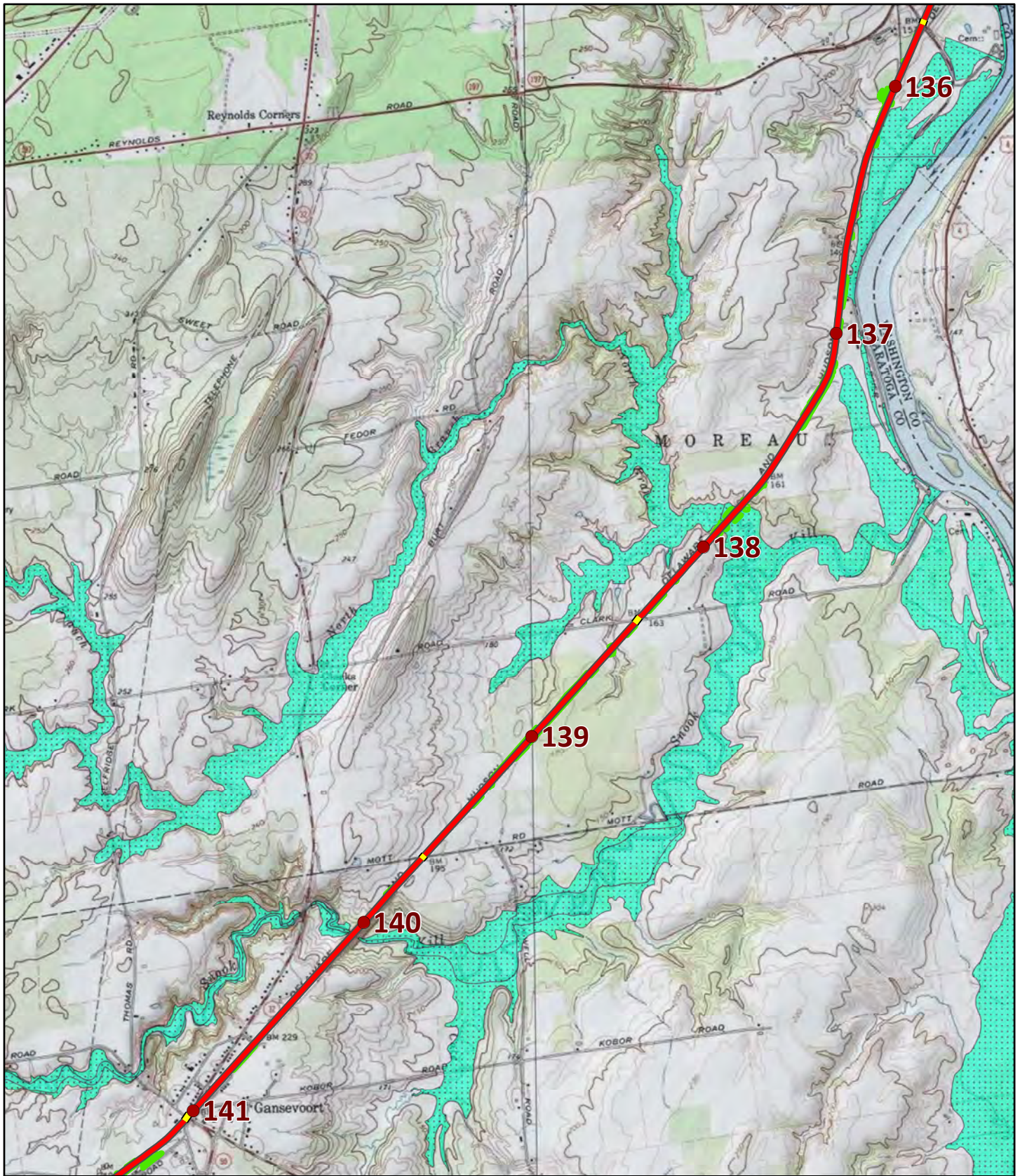


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- Delineated Wetlands
- FEMA 100-Year Flood Zone

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

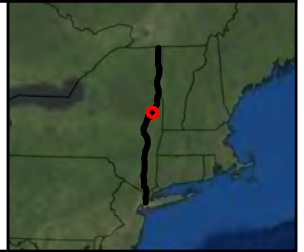


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

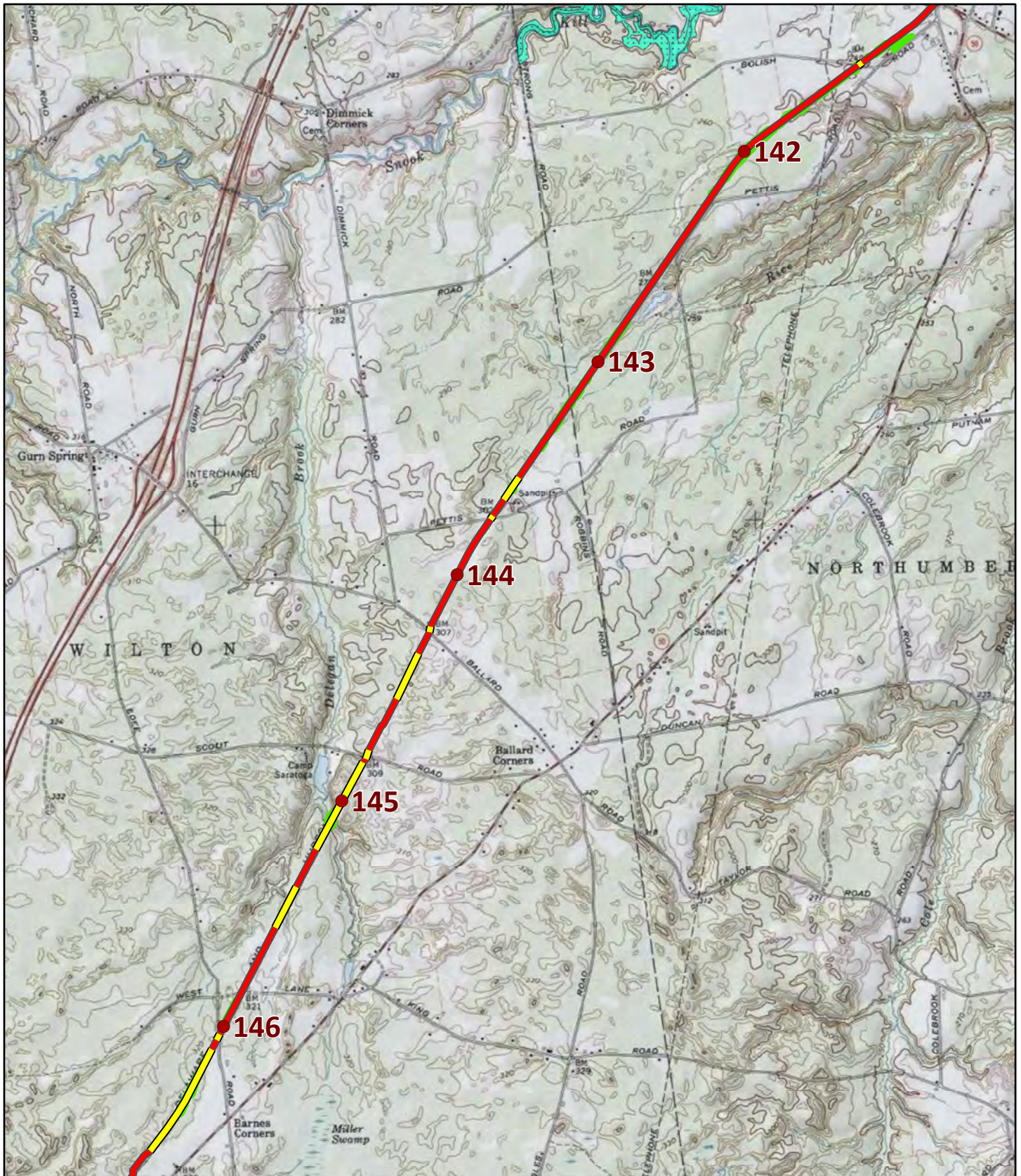


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- Delineated Wetlands
- FEMA 100-Year Flood Zone

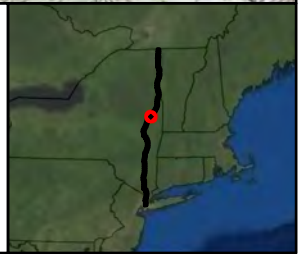


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

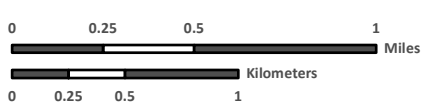
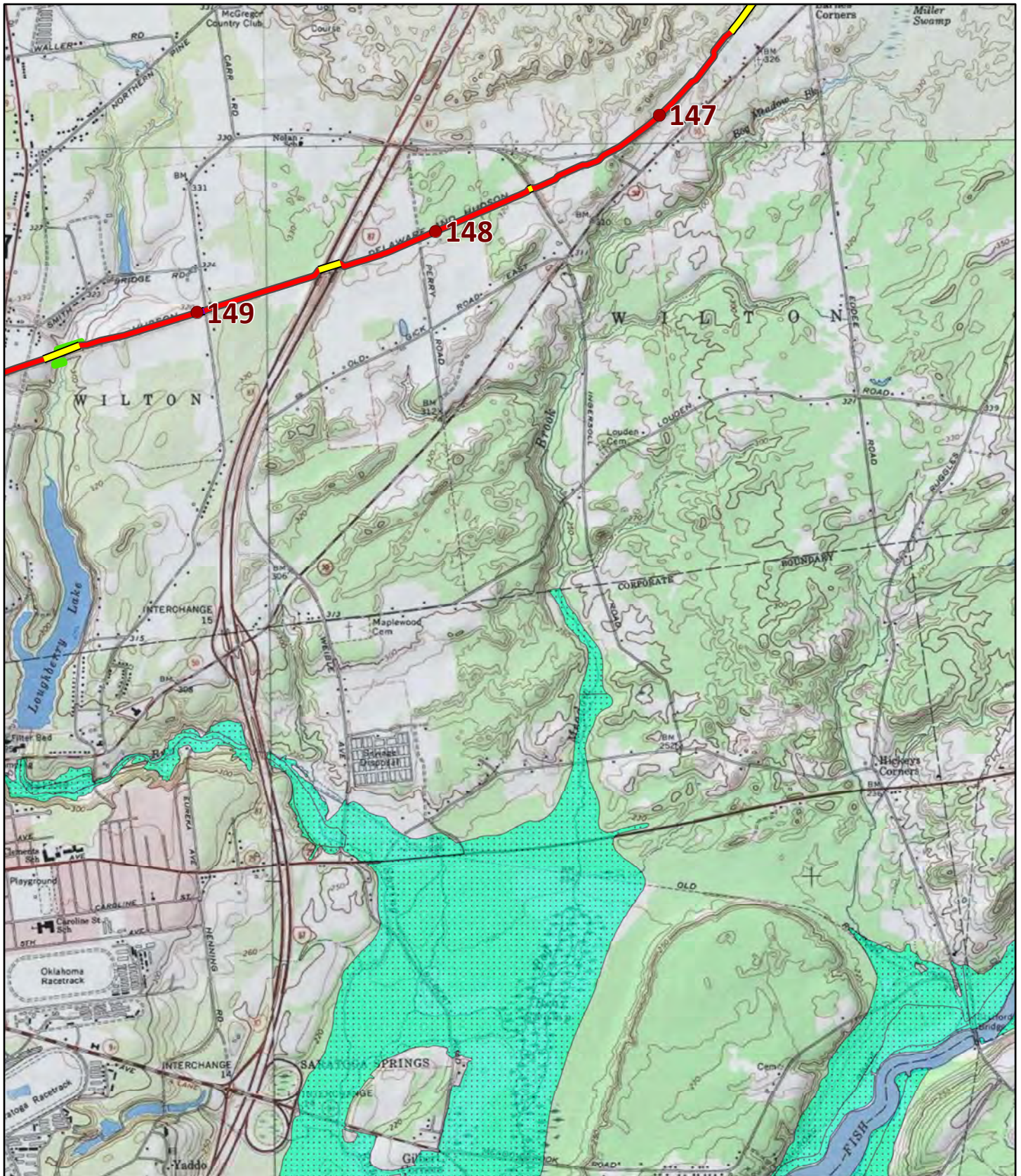


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983



Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

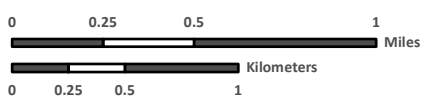
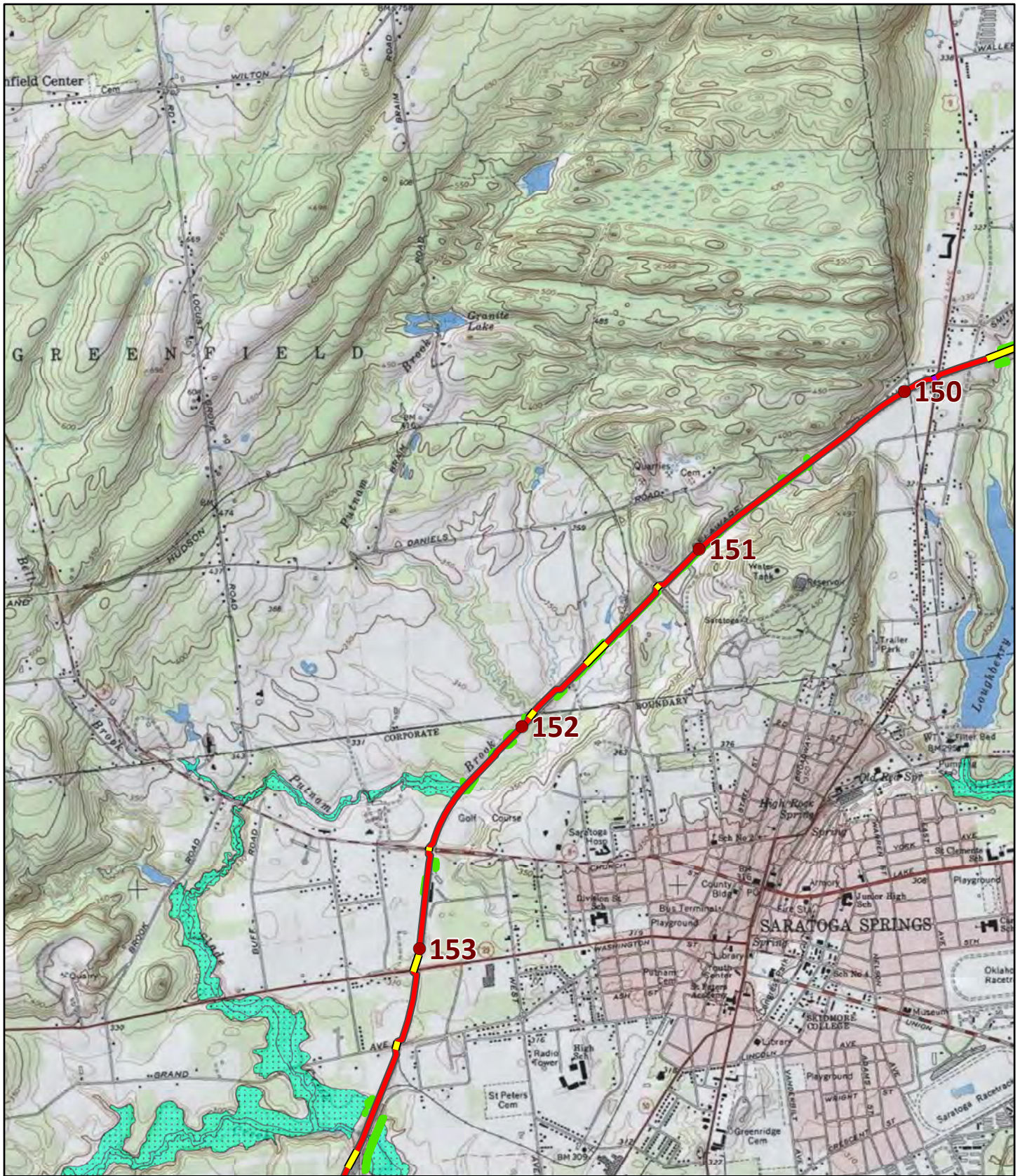


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- Delineated Wetlands
- FEMA 100-Year Flood Zone

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

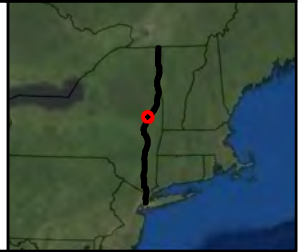


Source: Imagery (c) 2010 Microsoft Corporation and its data suppliers.

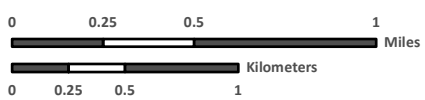
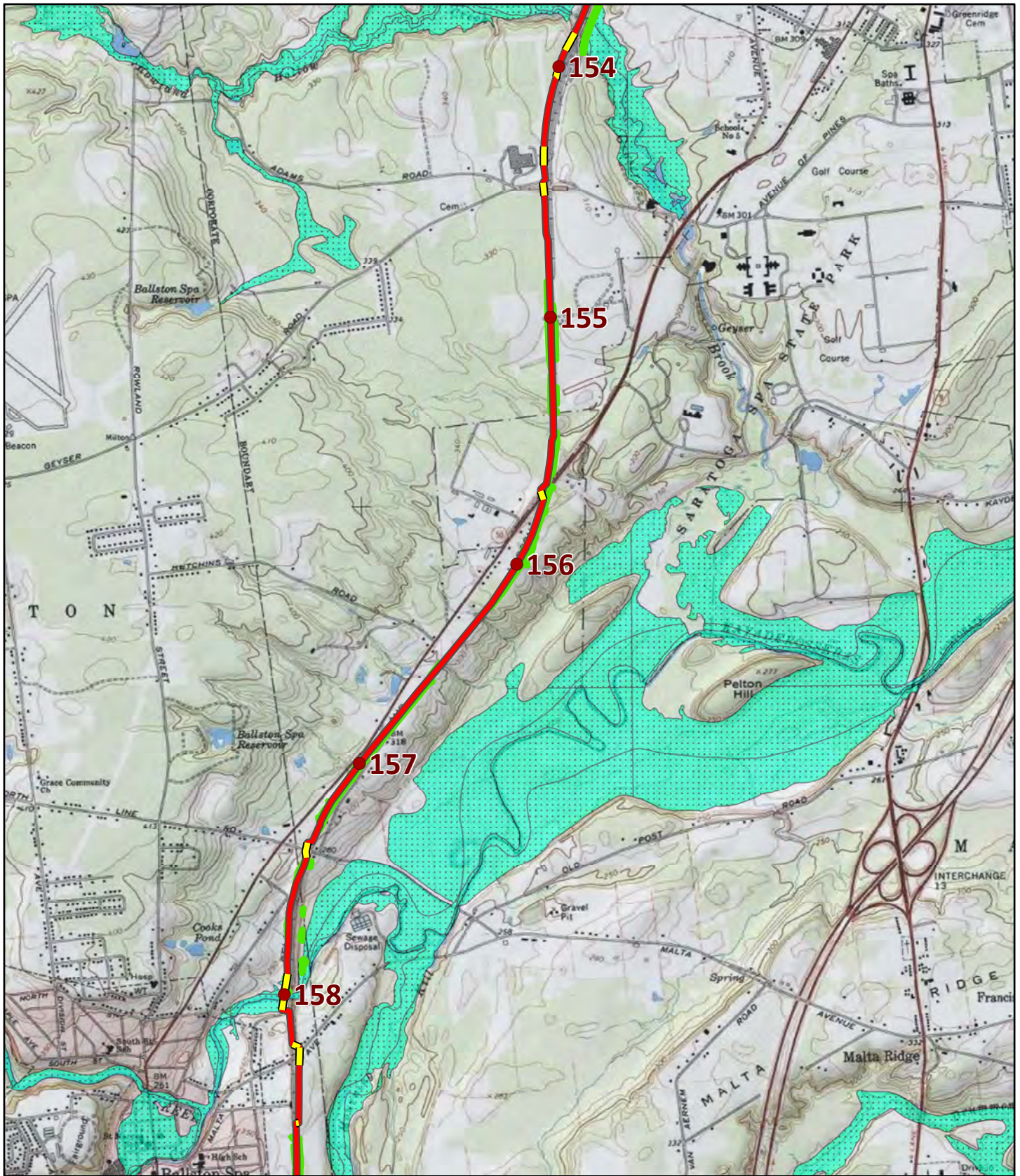


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

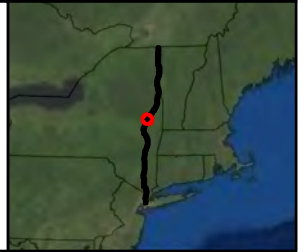


Source: Imagery -(c) 2010 Microsoft Corporation and its data suppliers.

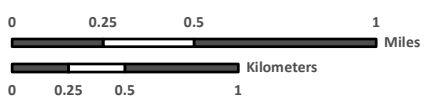
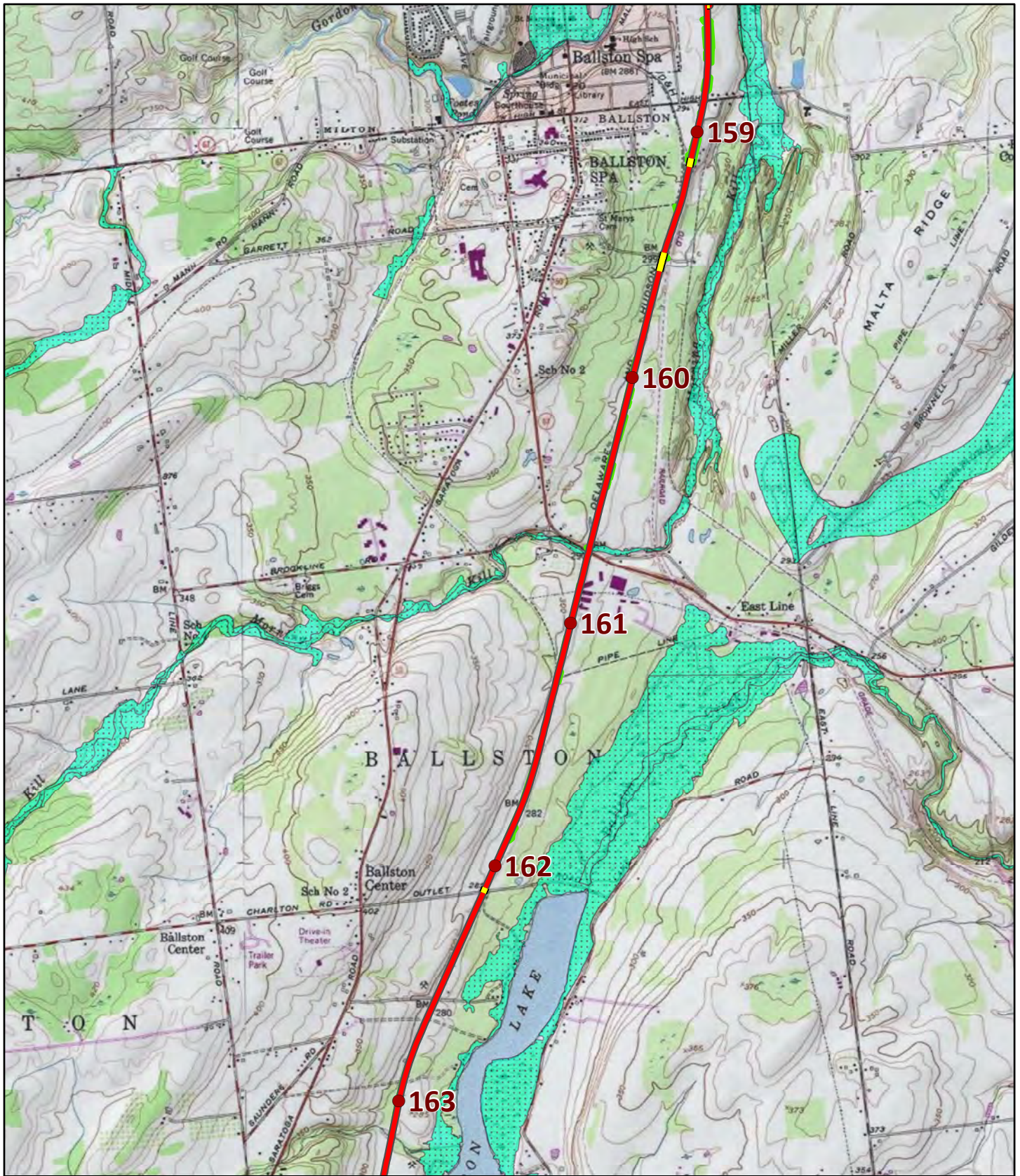


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

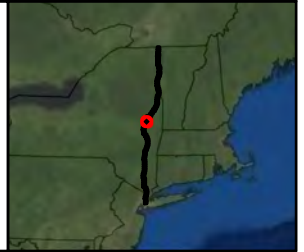


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

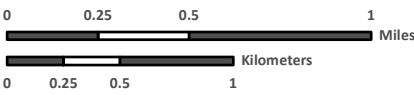
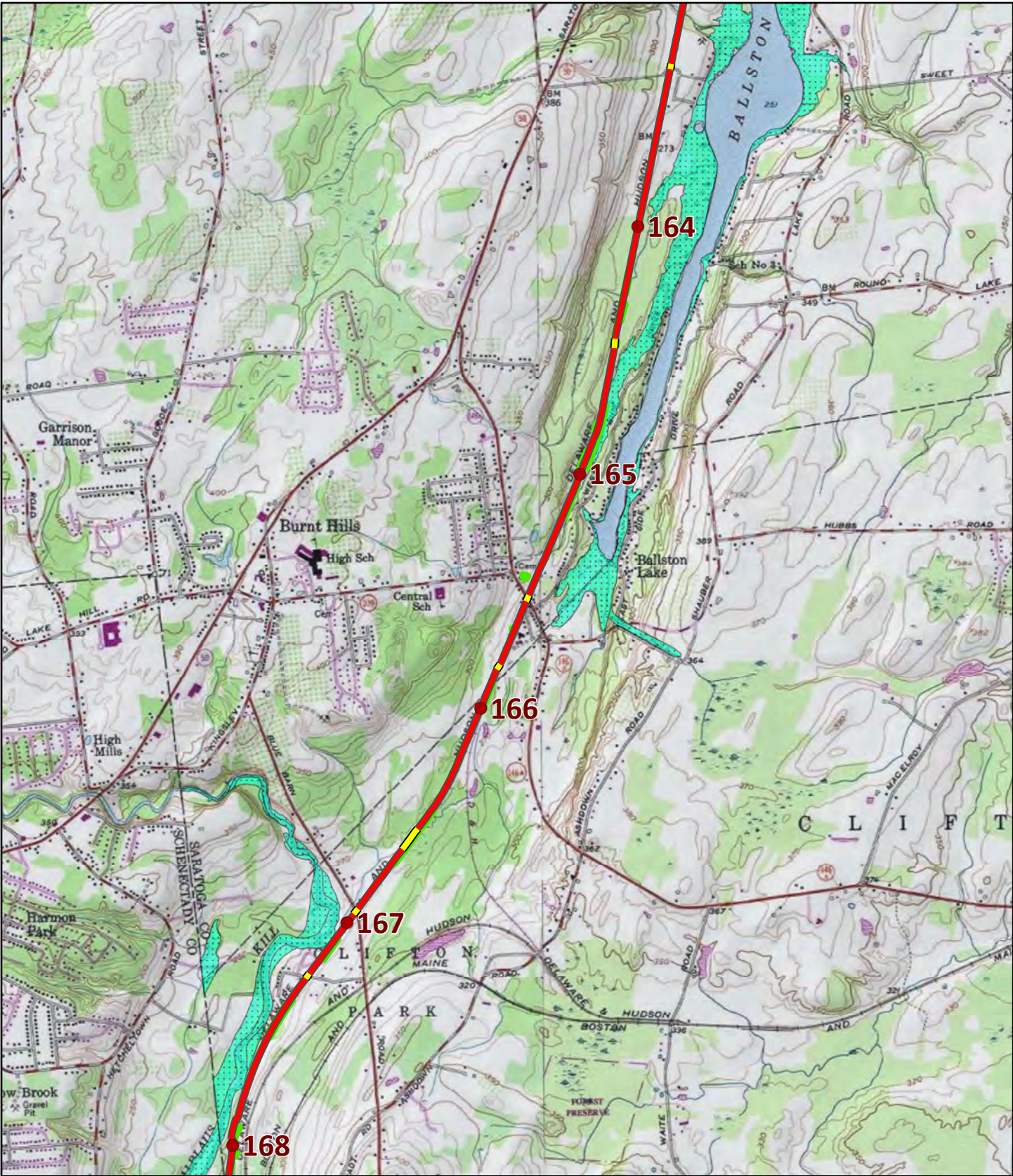


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

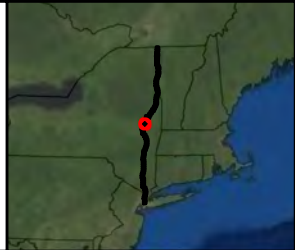


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

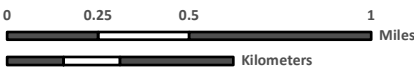
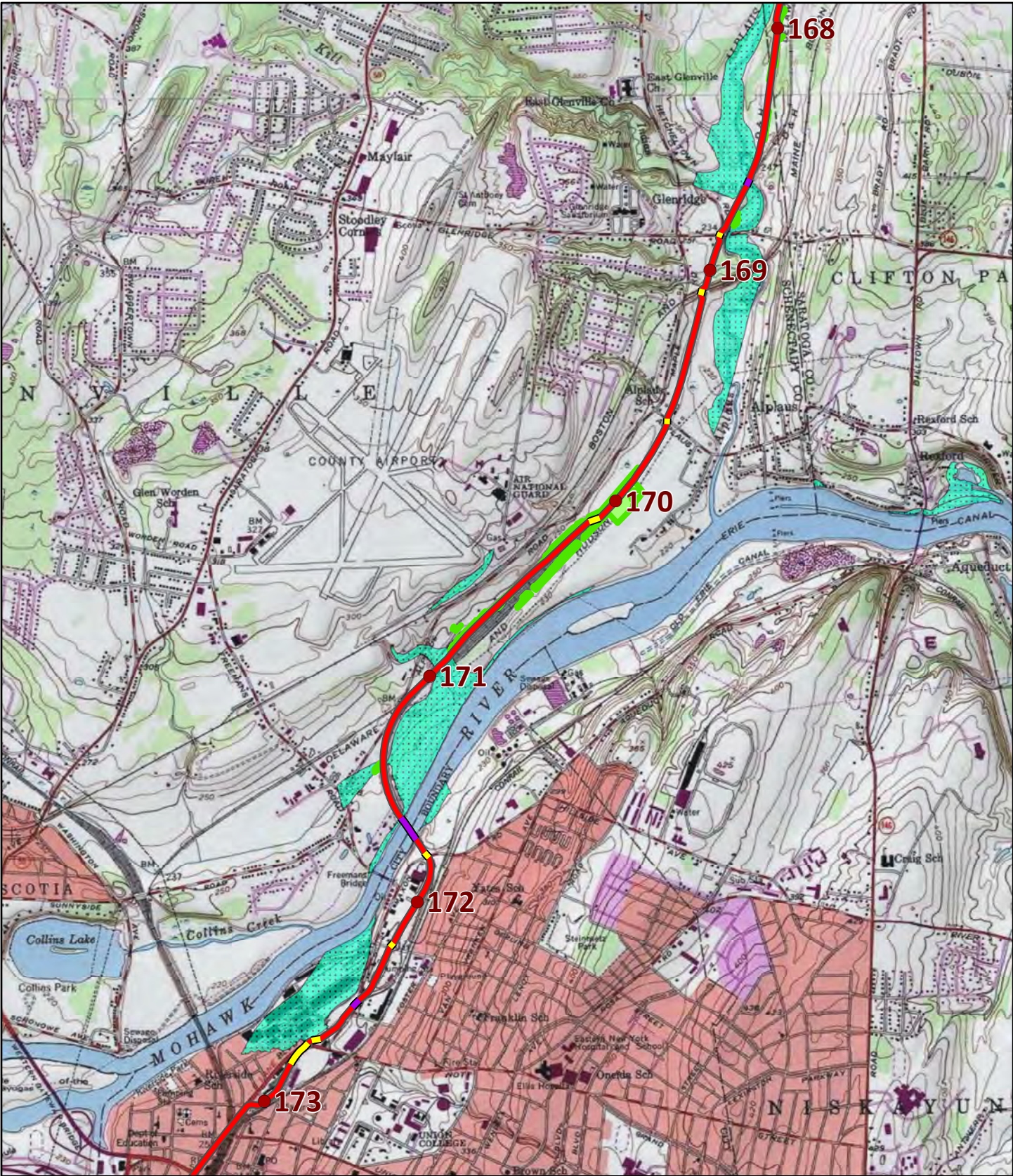


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- ▨ Federal Navigation Channel
- ▨ FEMA 100-Year Flood Zone
- ▨ Delineated Wetlands

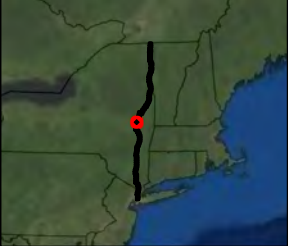


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

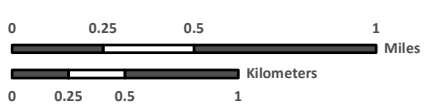
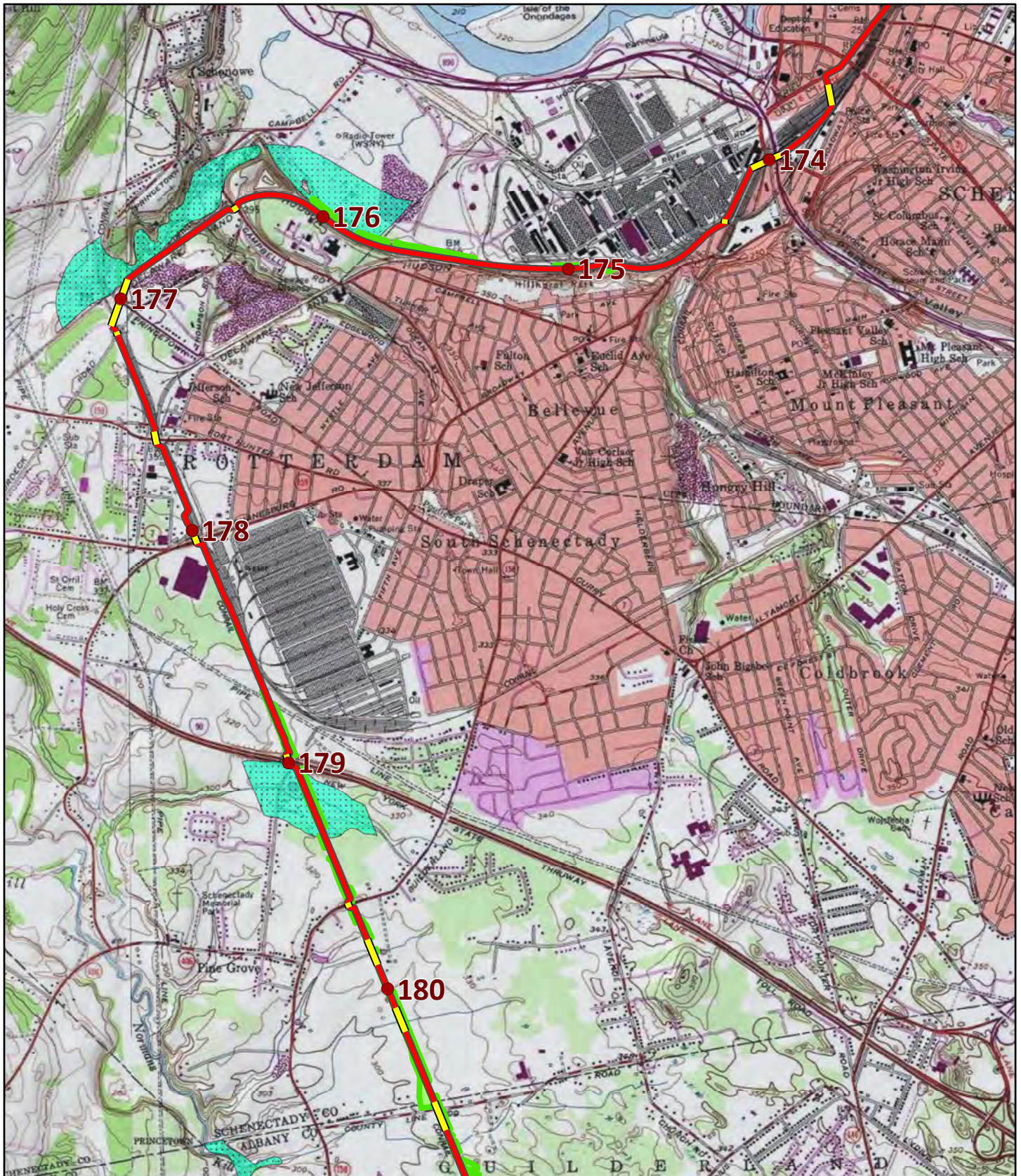


Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands



Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.

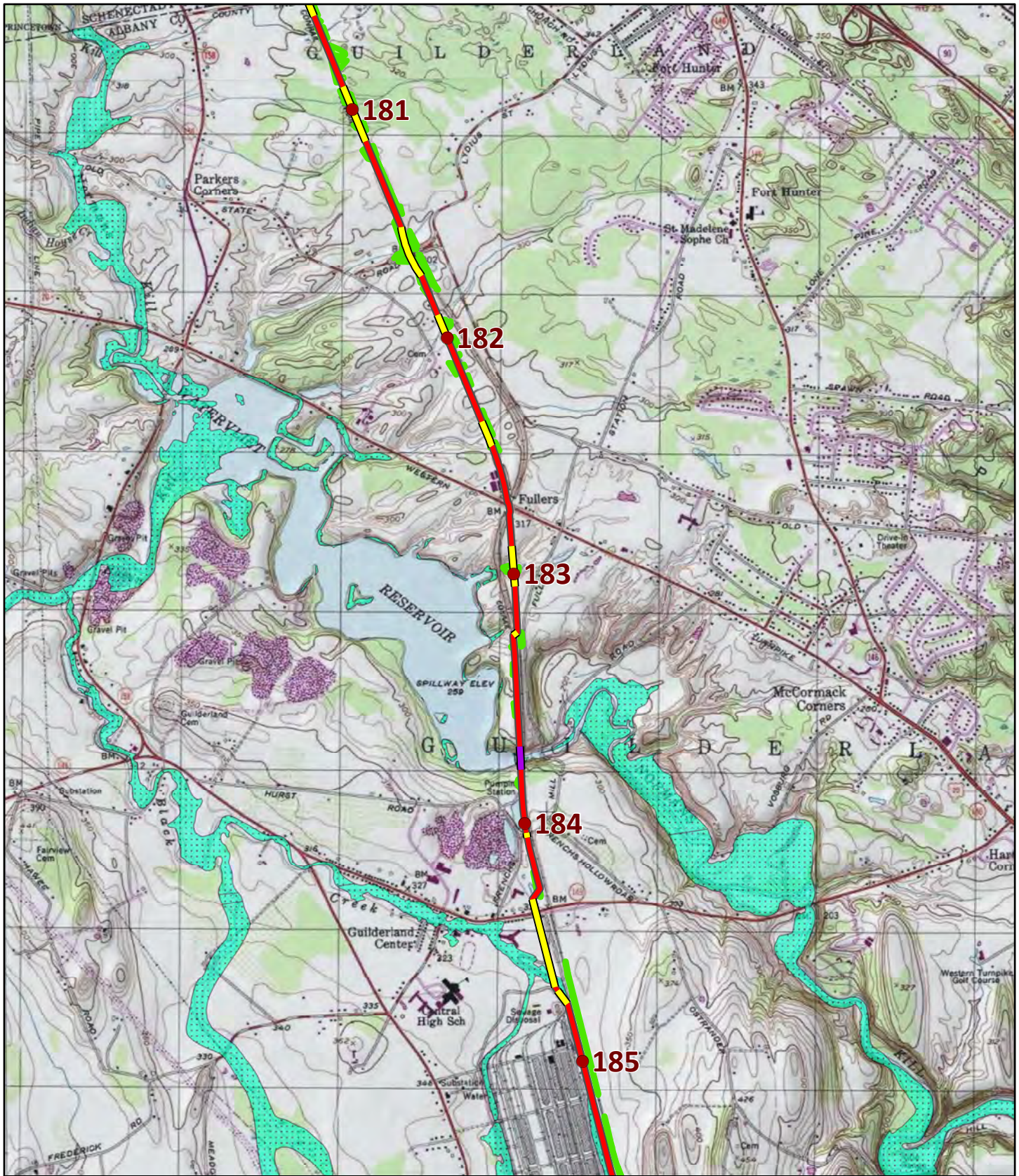


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- ▨ Federal Navigation Channel
- ▨ FEMA 100-Year Flood Zone
- ▨ Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983



Source: Imagery © 2010 Microsoft Corporation and its data suppliers.

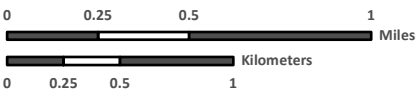
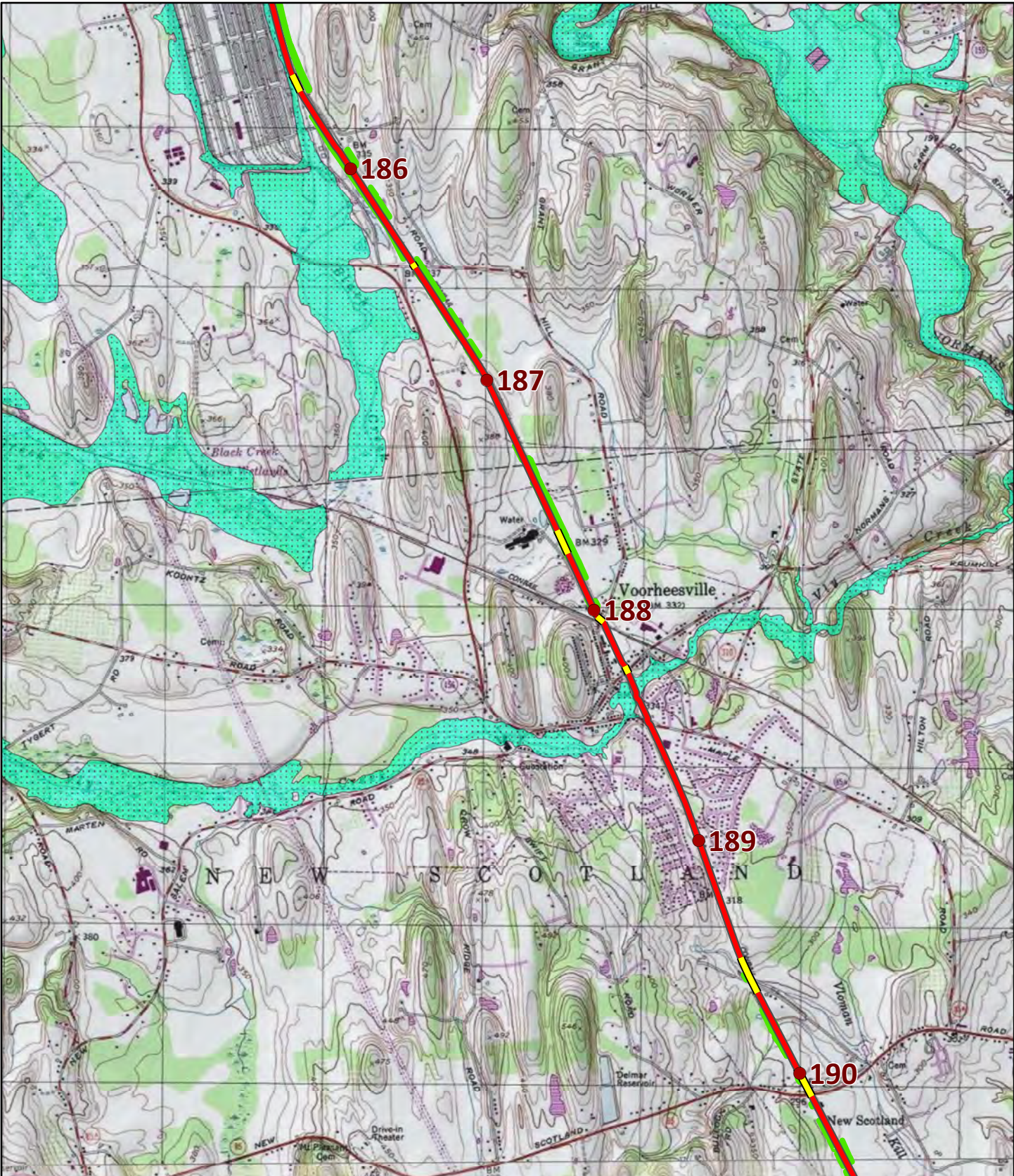


- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983

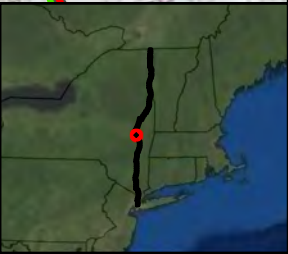


Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.



- Proposed CHPE Project Route Mileposts
- Proposed CHPE Project Route
- HDD Installation
- Pipe Bridge Installation
- Federal Navigation Channel
- FEMA 100-Year Flood Zone
- Delineated Wetlands

Projection: Transverse Mercator
 State Plane New York East FIPS 3101 Feet
 North American Datum of 1983



Source: Imagery - (c) 2010 Microsoft Corporation and its data suppliers.