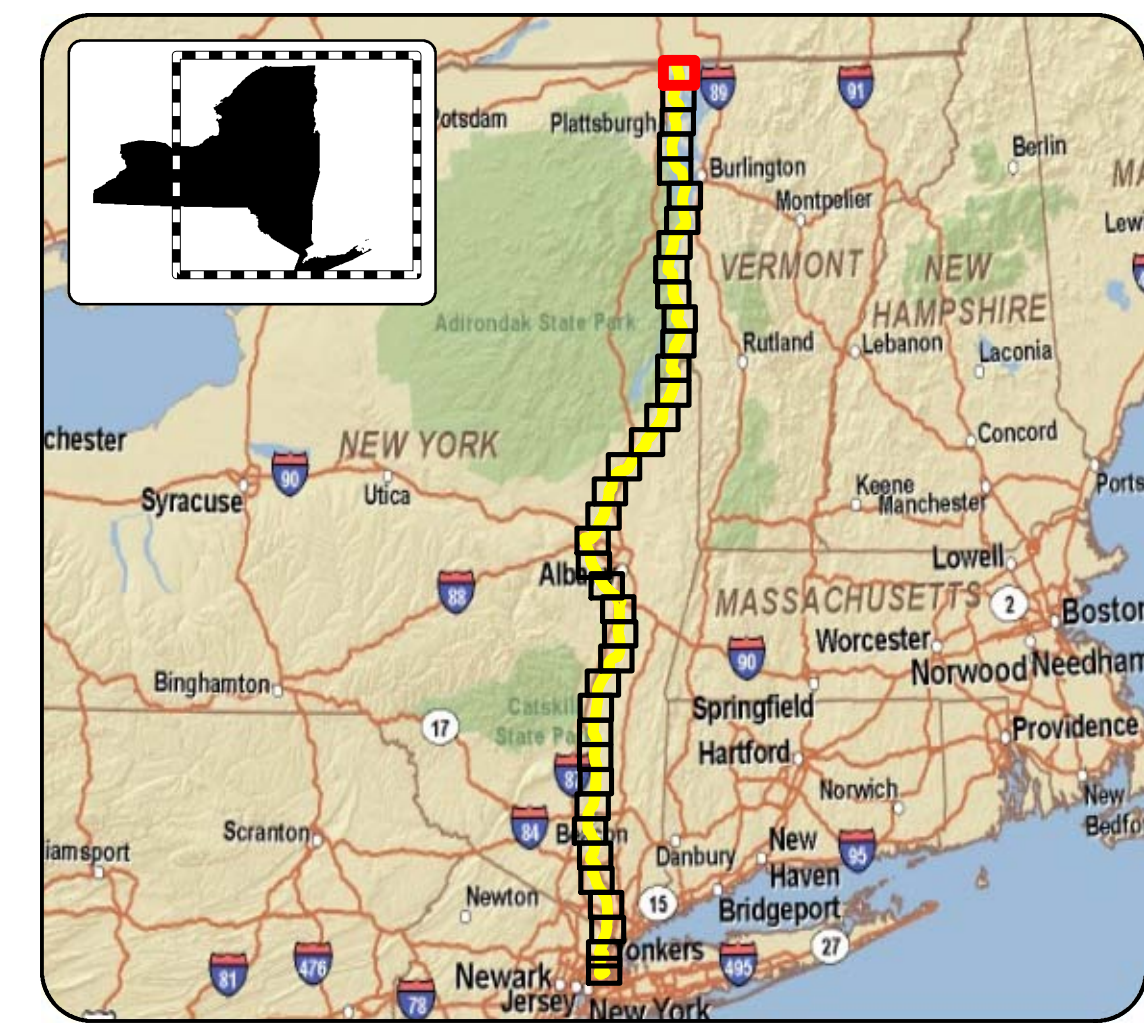
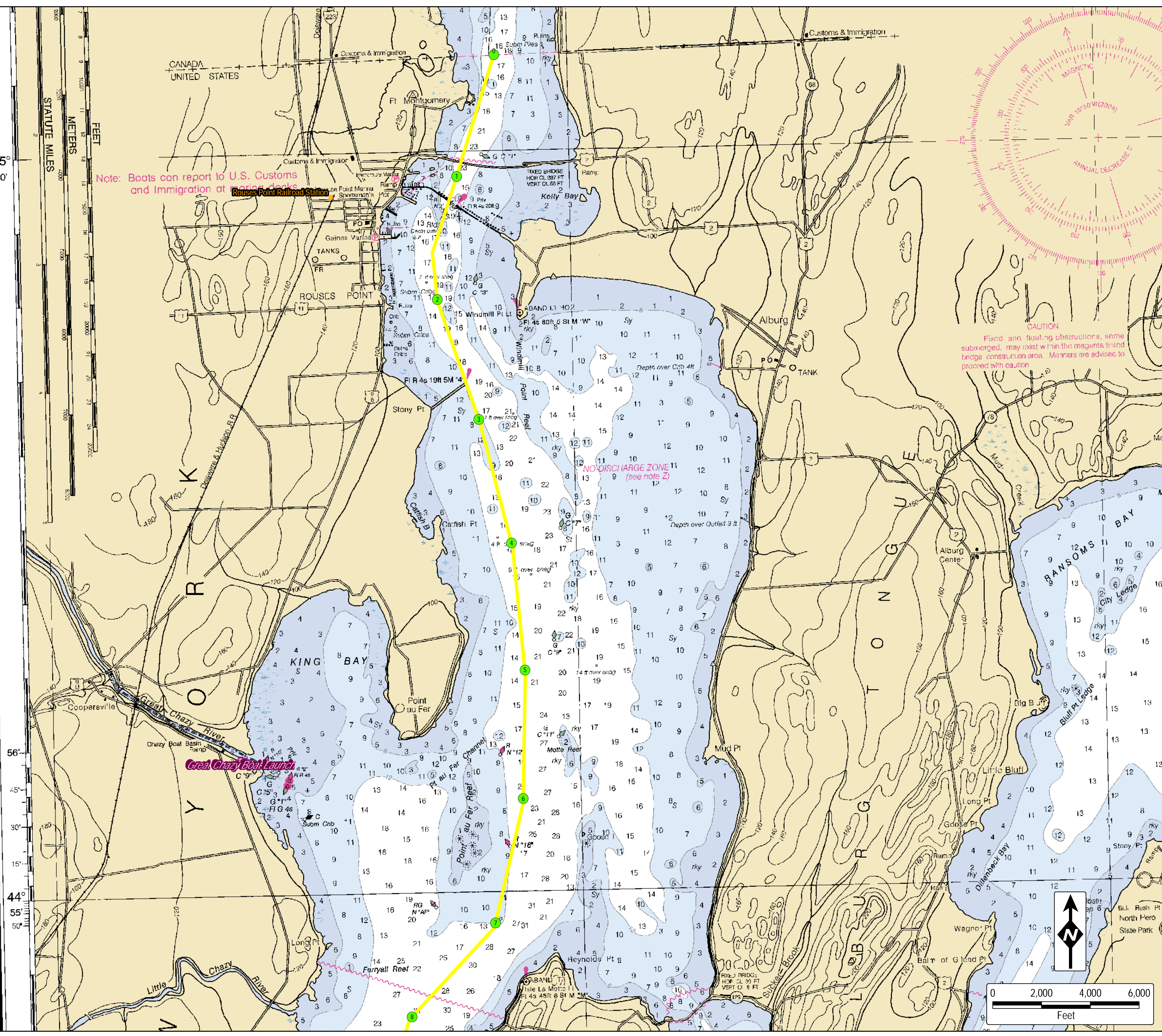


**Exhibit 2**

**Figure 2.1.-2**

**Location of Facilities on NOAA/NYSDOT Map**

**REVISED**



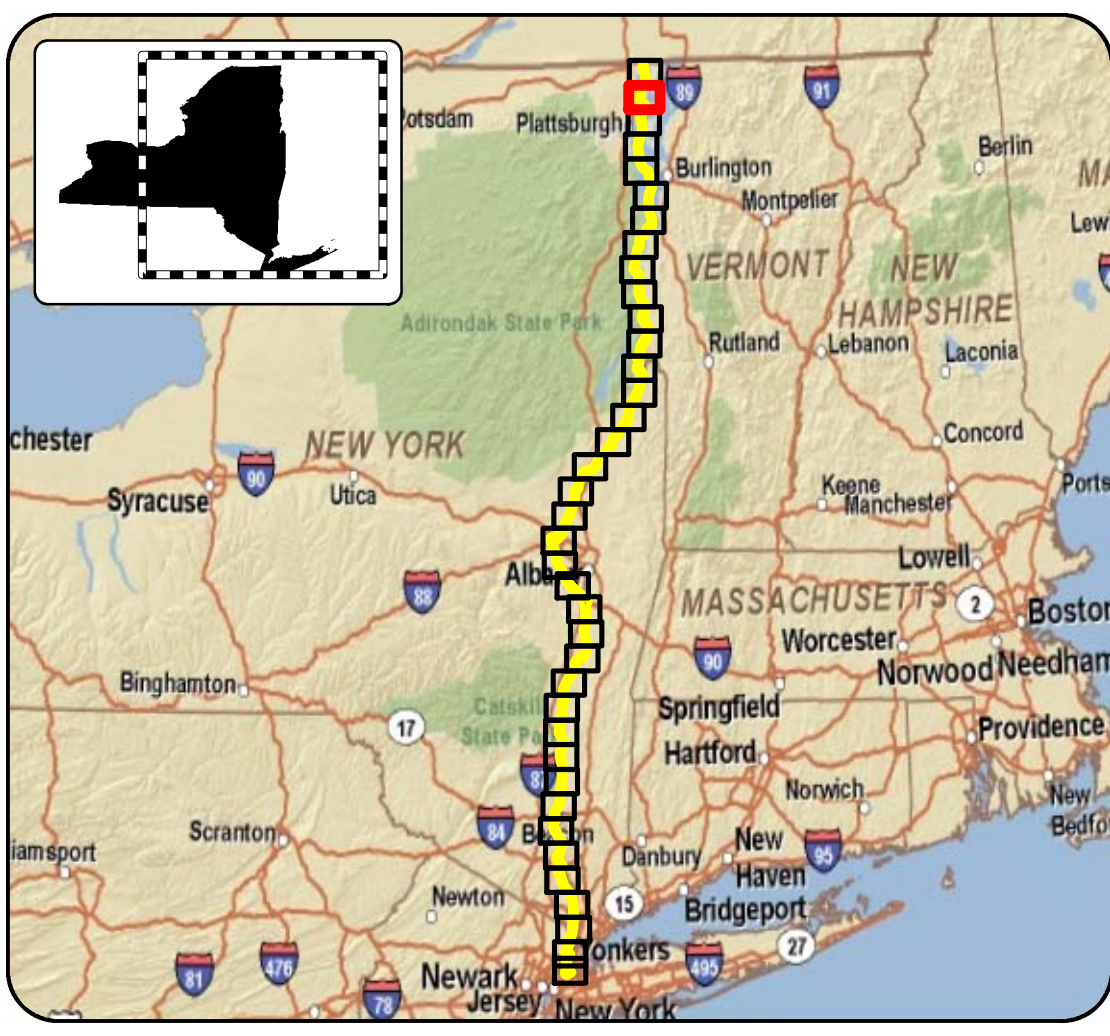
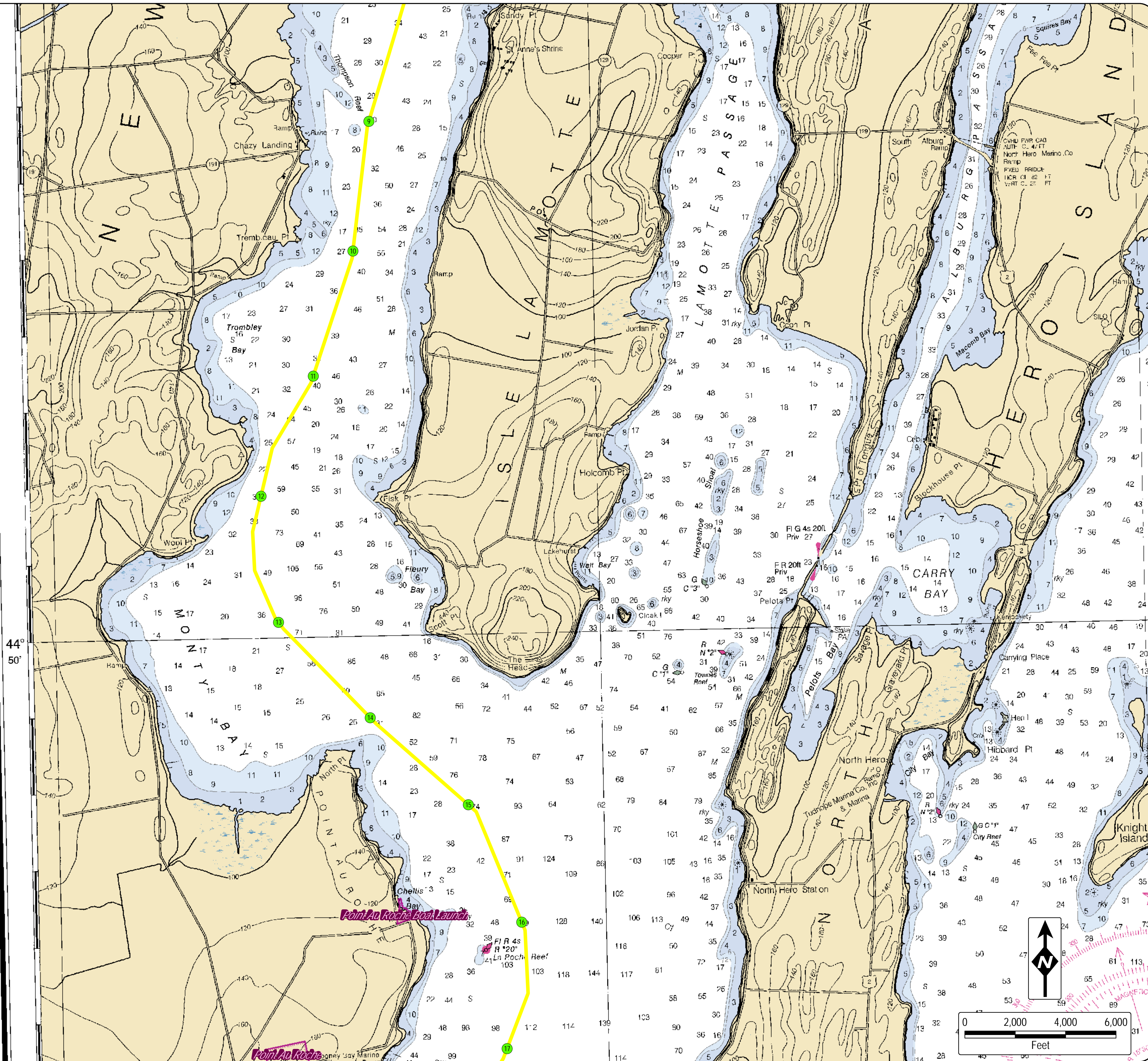
### LEGEND

- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
- Yonkers Converter Station
- Mine
- Park
- State Park
- Untouched Wilderness
- Historic Site
- Scenic Area

**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

**NOTES:**  
 1. NYS DOT 24K and NOAA basemaps  
 2. Width of Cable Route lines are not drawn to scale.

**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 1 of 38  
 Prepared by: & 7/14/2010







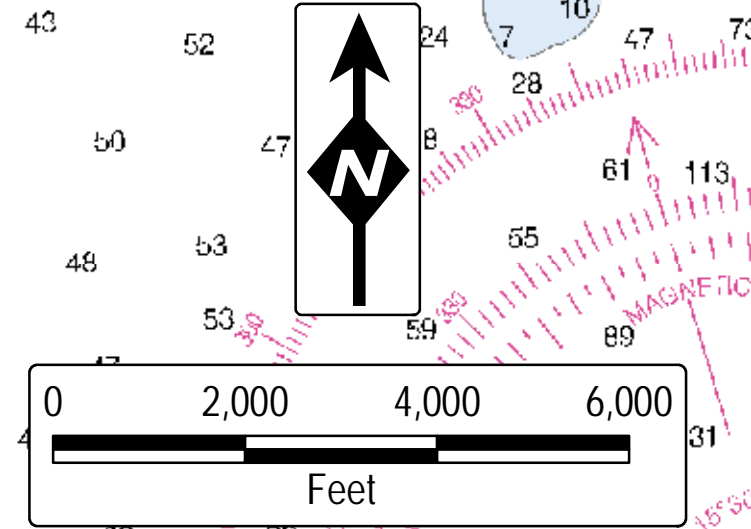
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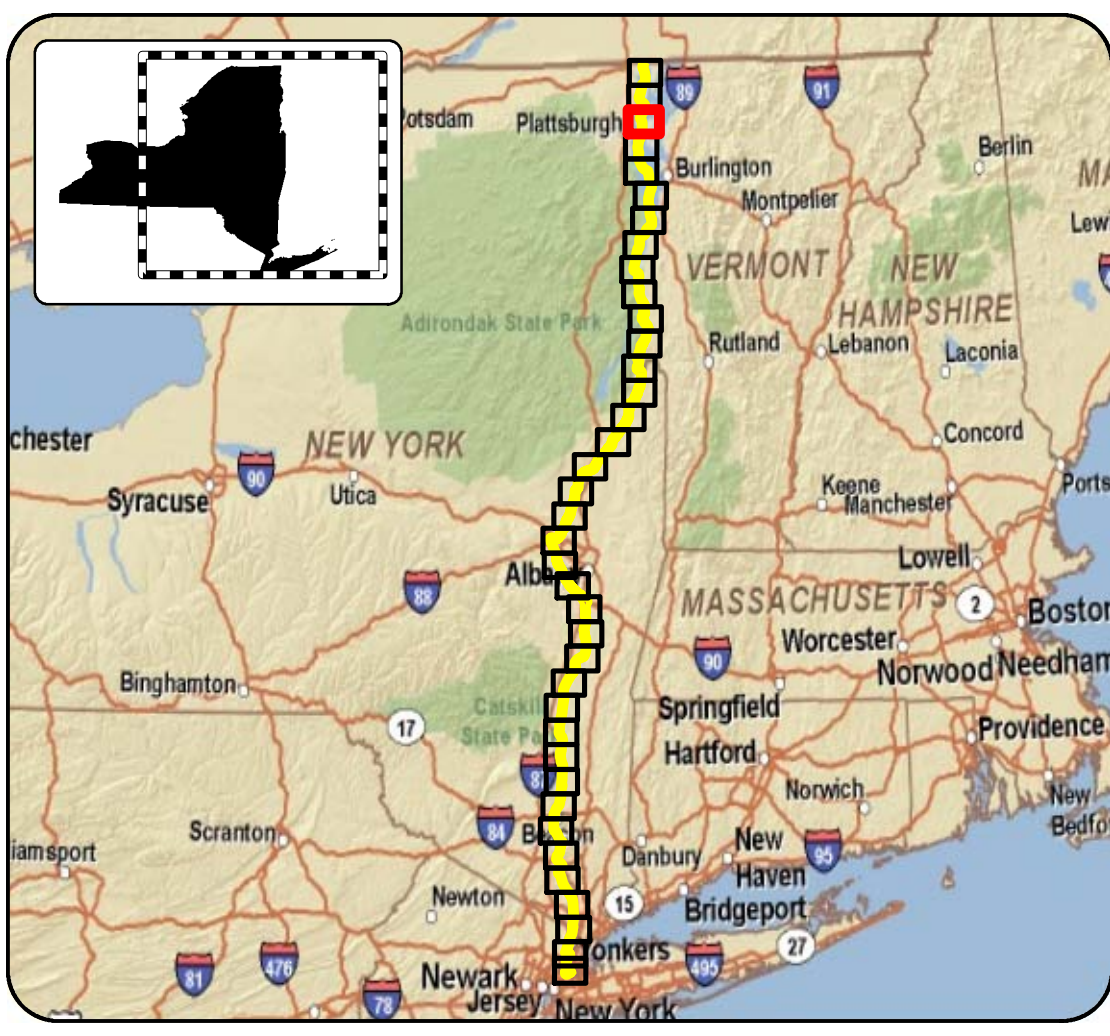
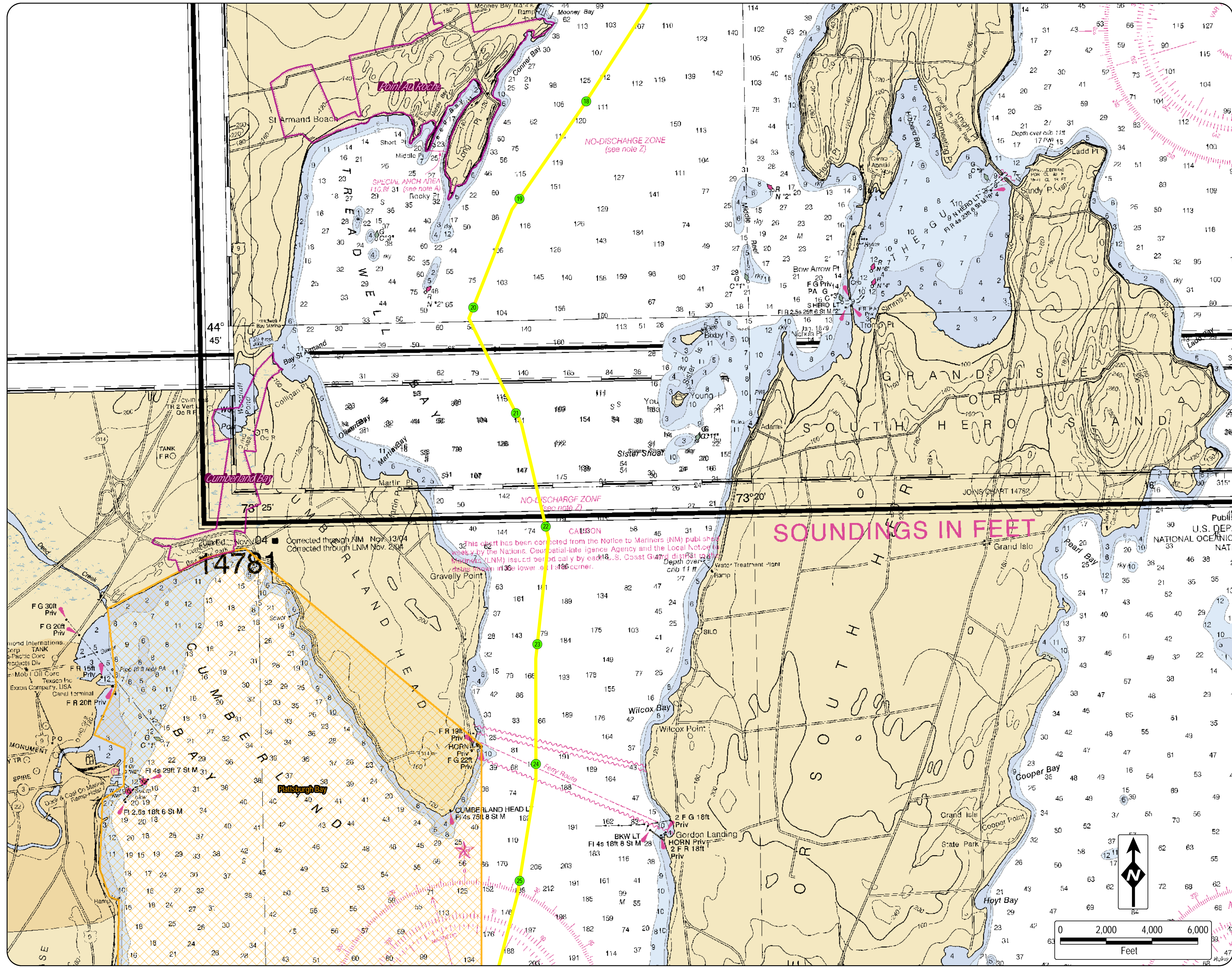
- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
- ★ Mine
- Park
- State Park
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 2 of 38  
 Prepared by:   &  7/14/2010






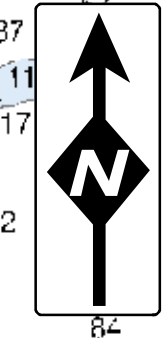
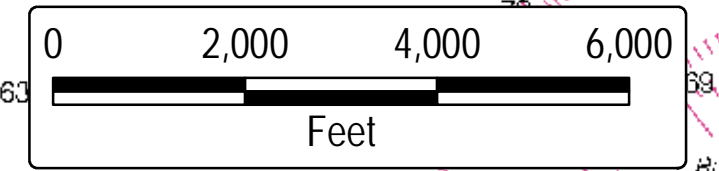
### LEGEND

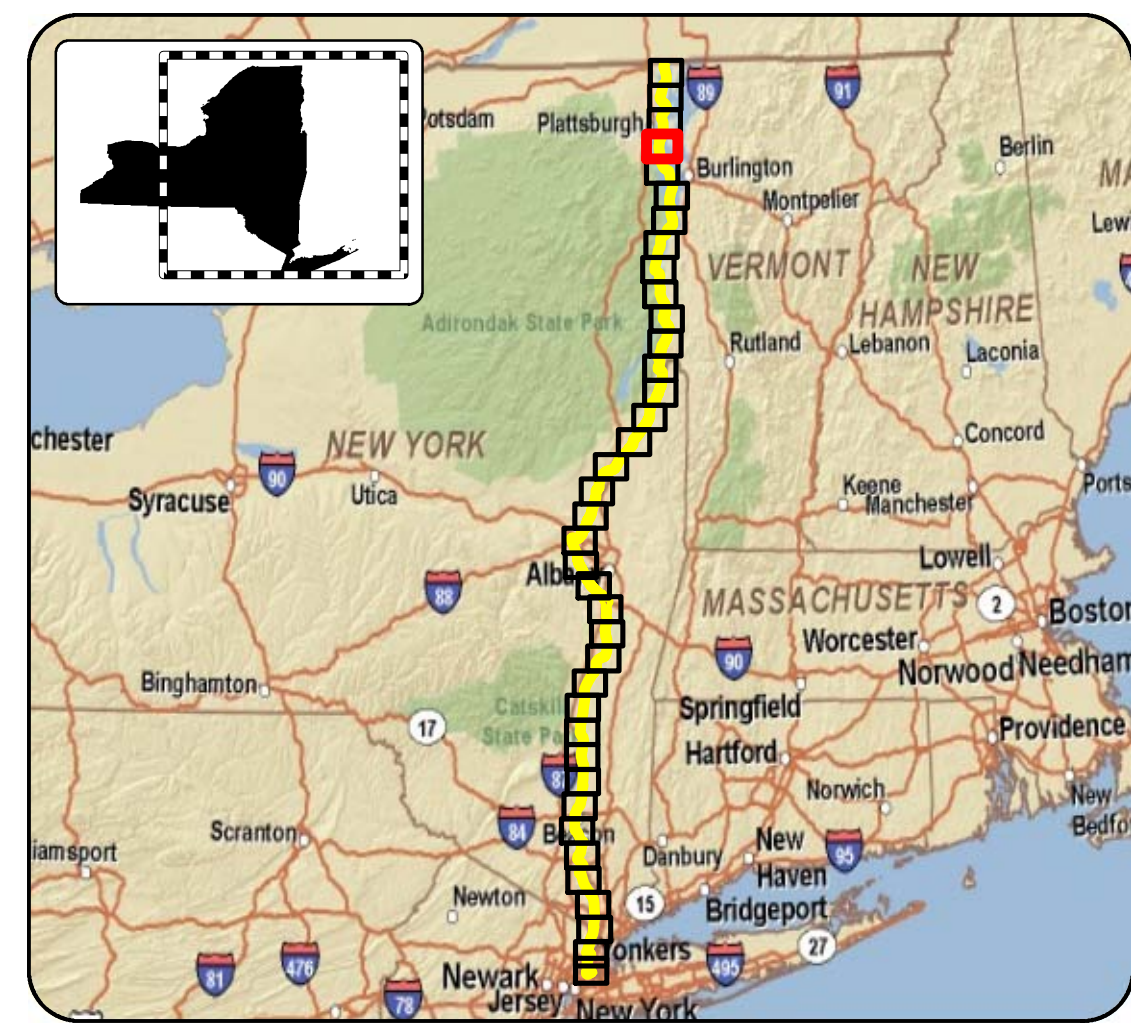
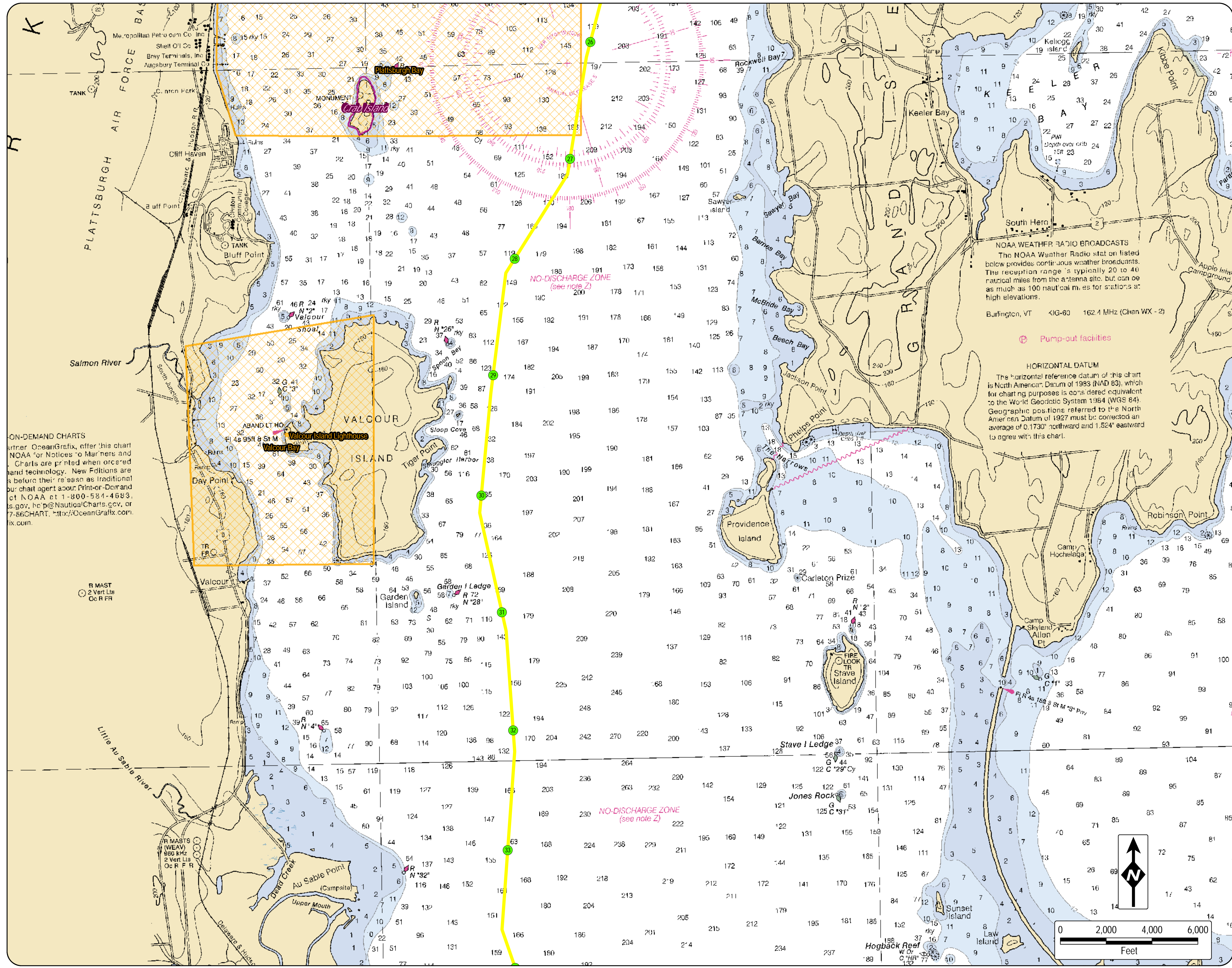
- Underwater Route
- CP/CSX Railroad ROW
- ..... Spur
- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
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- ▭ Park
- ▭ State Park
- ▭ Untouched Wilderness
- ▭ Historic Site
- ▭ Scenic Area

**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 3 of 38  
 Prepared by: **FDR** | **DTA** & **TRC** 7/14/2010





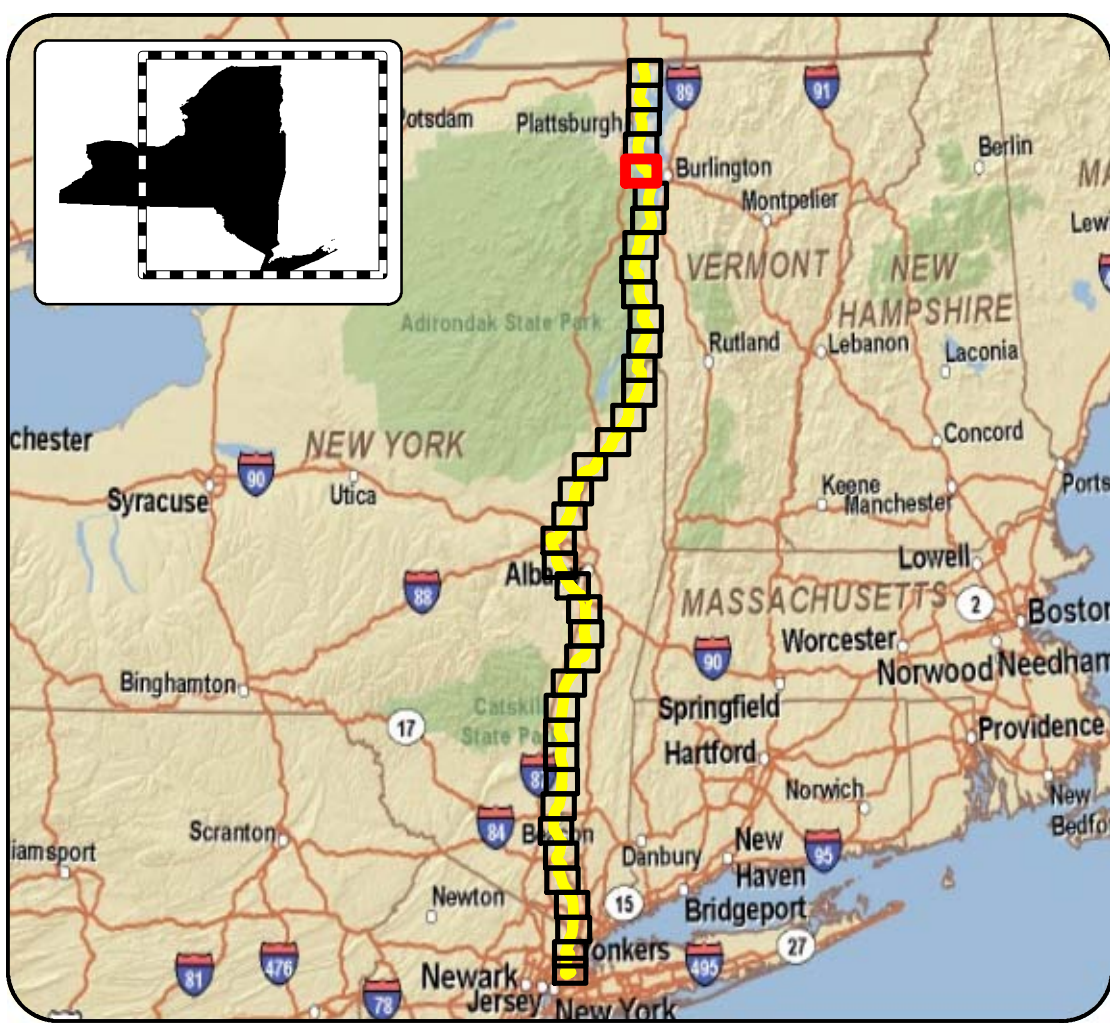
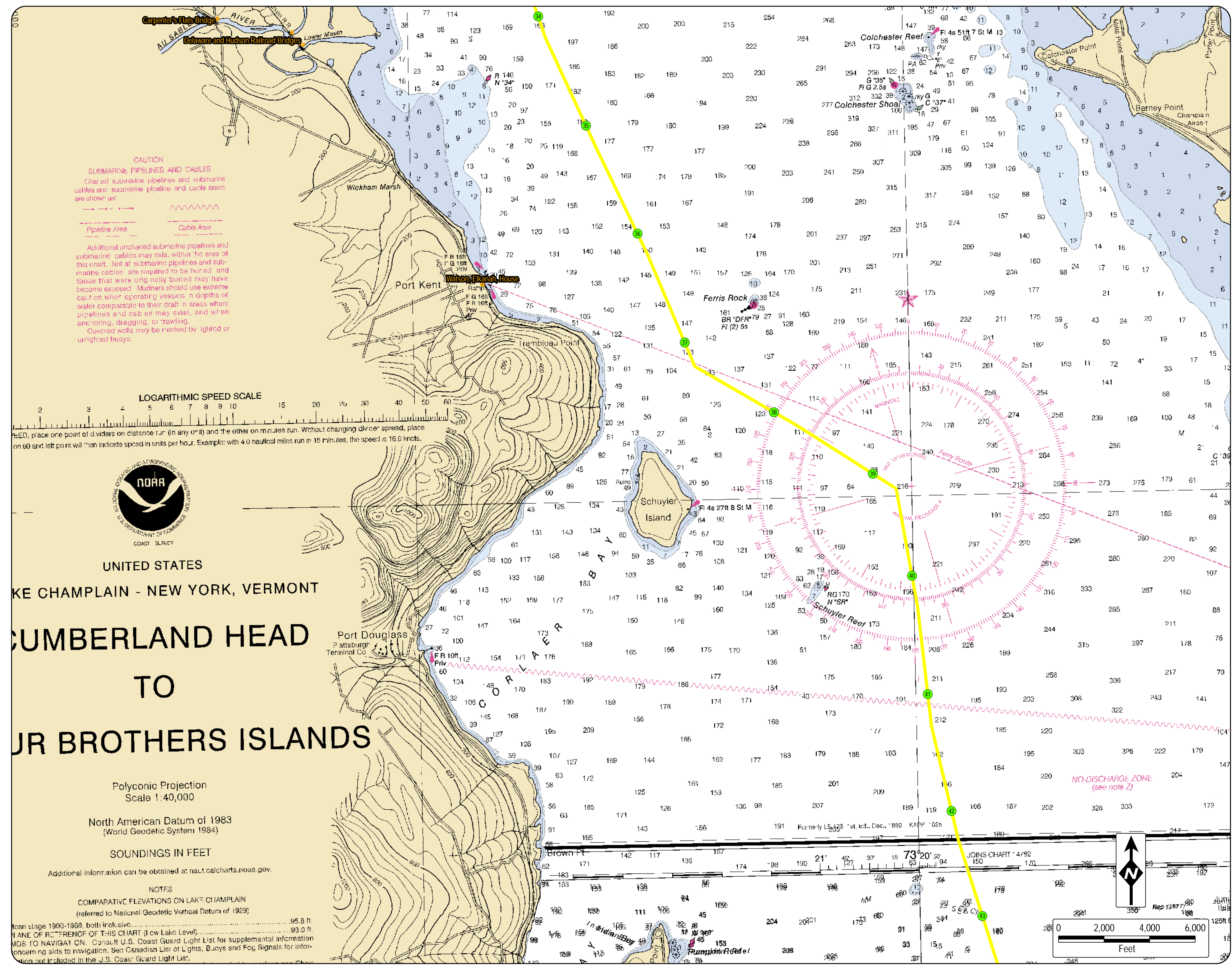
**LEGEND**

- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
- Yonkers Converter Station
- Mine
- Park
- State Park
- Untouched Wilderness
- Historic Site
- Scenic Area

**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF  
 ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS  
 RECREATION AND HISTORICAL PRESERVATION (OPRHP)

**NOTES:**  
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 2. Width of Cable Route lines are not drawn to scale.

**Transmission Developers Inc.**  
**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 4 of 38  
 Prepared by: **FDR** | **DTA** & **TRC** 7/14/2010



### LEGEND

- Underwater Route
- CP/CSX Railroad ROW
- ..... Spur
- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
- ★ Mine
- ▭ Park
- ▭ State Park
- ▭ Untouched Wilderness
- ▭ Historic Site
- ▭ Scenic Area

**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

**NOTES:**  
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 2. Width of Cable Route lines are not drawn to scale.

**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities on NOAA/NYS DOT Mapping**  
 Sheet 5 of 38  
 Prepared by: & 7/14/2010

**CAUTION**  
 SUBMARINE PIPELINES AND CABLES  
 Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:



Additional uncharted submarine pipelines and submarine cables may exist, within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.  
 Covered wells may be marked by lighted or unlighted buoys.

**LOGARITHMIC SPEED SCALE**

TO BE USED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place one point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.



# LAKE CHAMPLAIN - NEW YORK, VERMONT CUMBERLAND HEAD TO YOUR BROTHERS ISLANDS

Polyconic Projection  
 Scale 1:40,000

North American Datum of 1983  
 (World Geodetic System 1984)

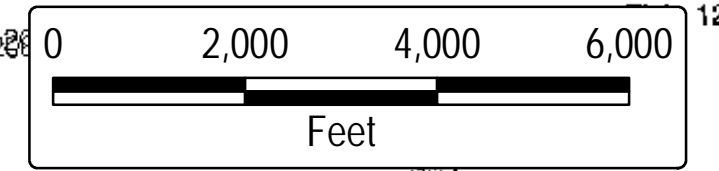
**SOUNDINGS IN FEET**

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

**NOTES**

COMPARATIVE ELEVATIONS ON LAKE CHAMPLAIN  
 (referred to National Geodetic Vertical Datum of 1929)

mean stage 1900-1909, both inclusive, ..... 95.8 ft.  
 MEAN OF REFERENCE OF THIS CHART (Low Lake Level) ..... 93.0 ft.  
 MDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation. See Canadian List of Lights, Buoys and Fog Signals for information not included in the U.S. Coast Guard Light List.





# K, VERMONT ISLANDS POINT

1983

alcharts.noaa.gov

MPLAIN  
(of 1929)  
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..... 93.0 ft.  
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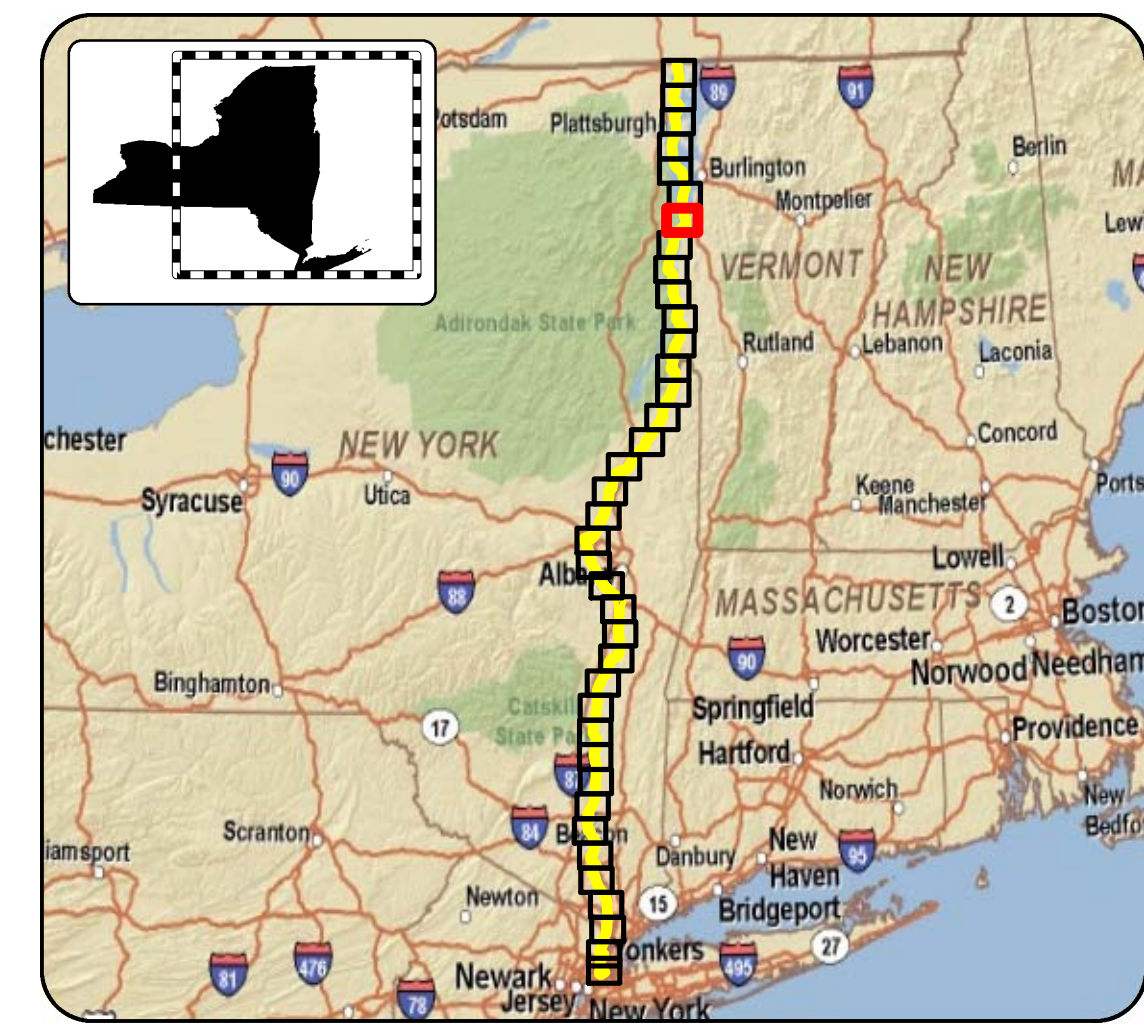
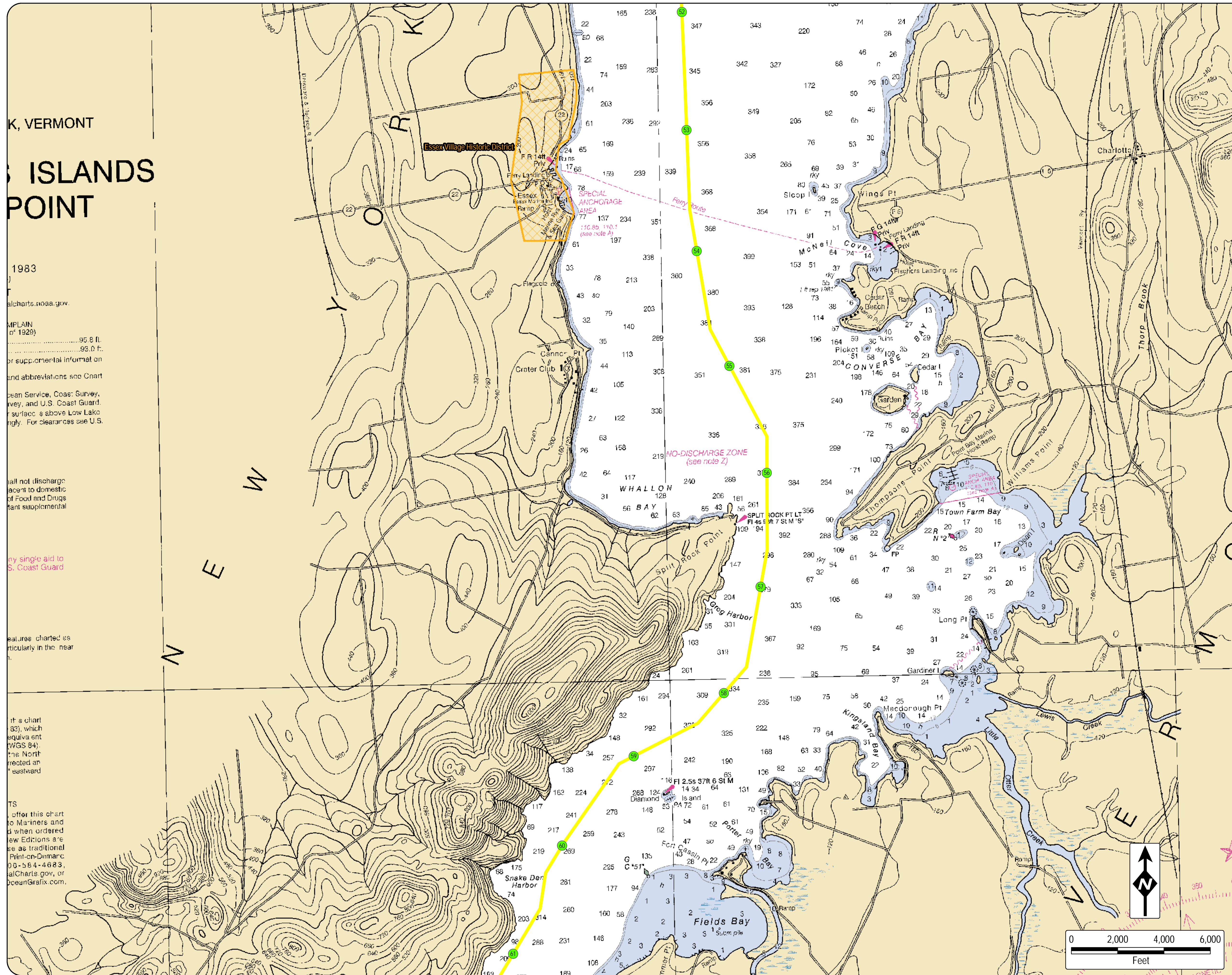
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alCharts.gov,  
OceanGrafix.com.







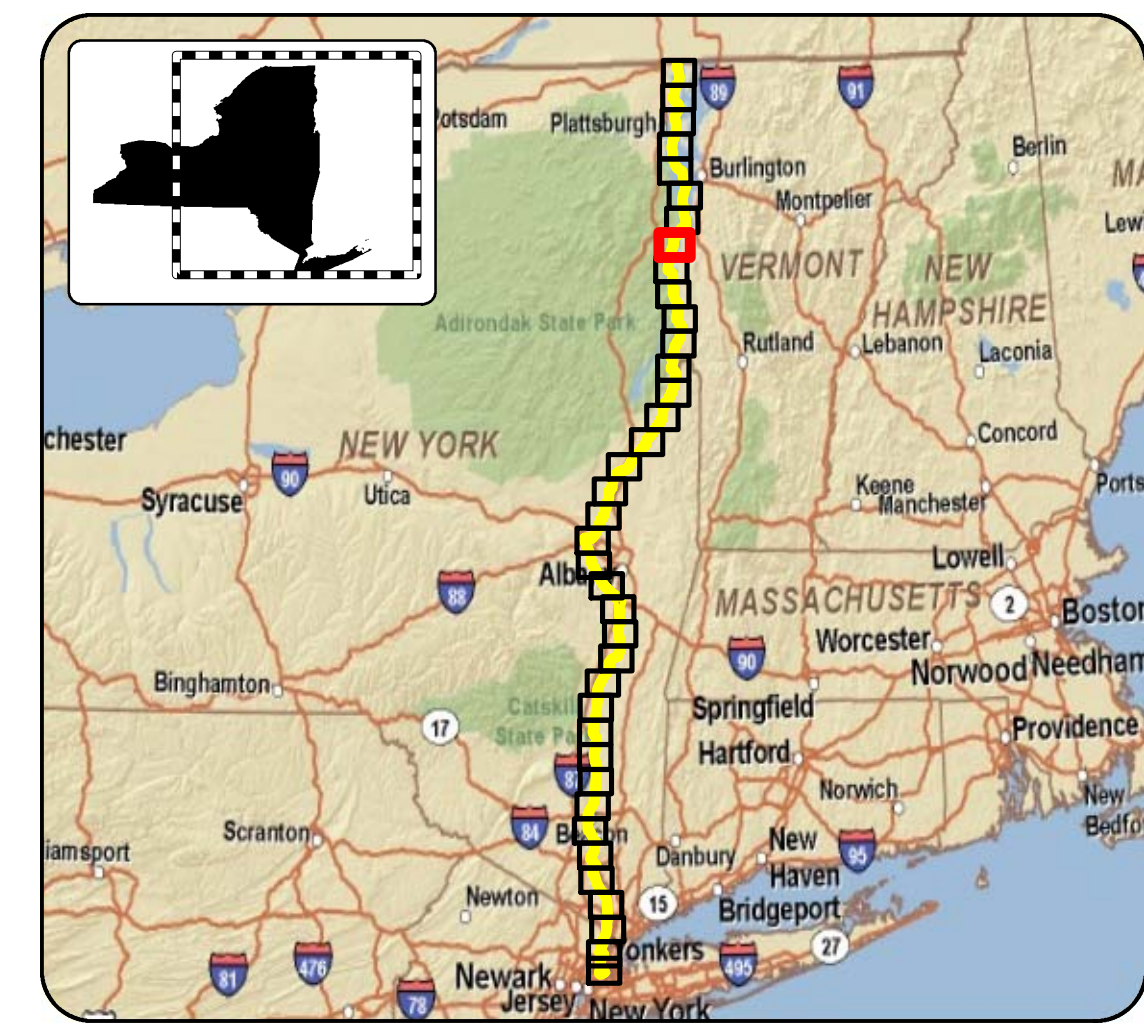
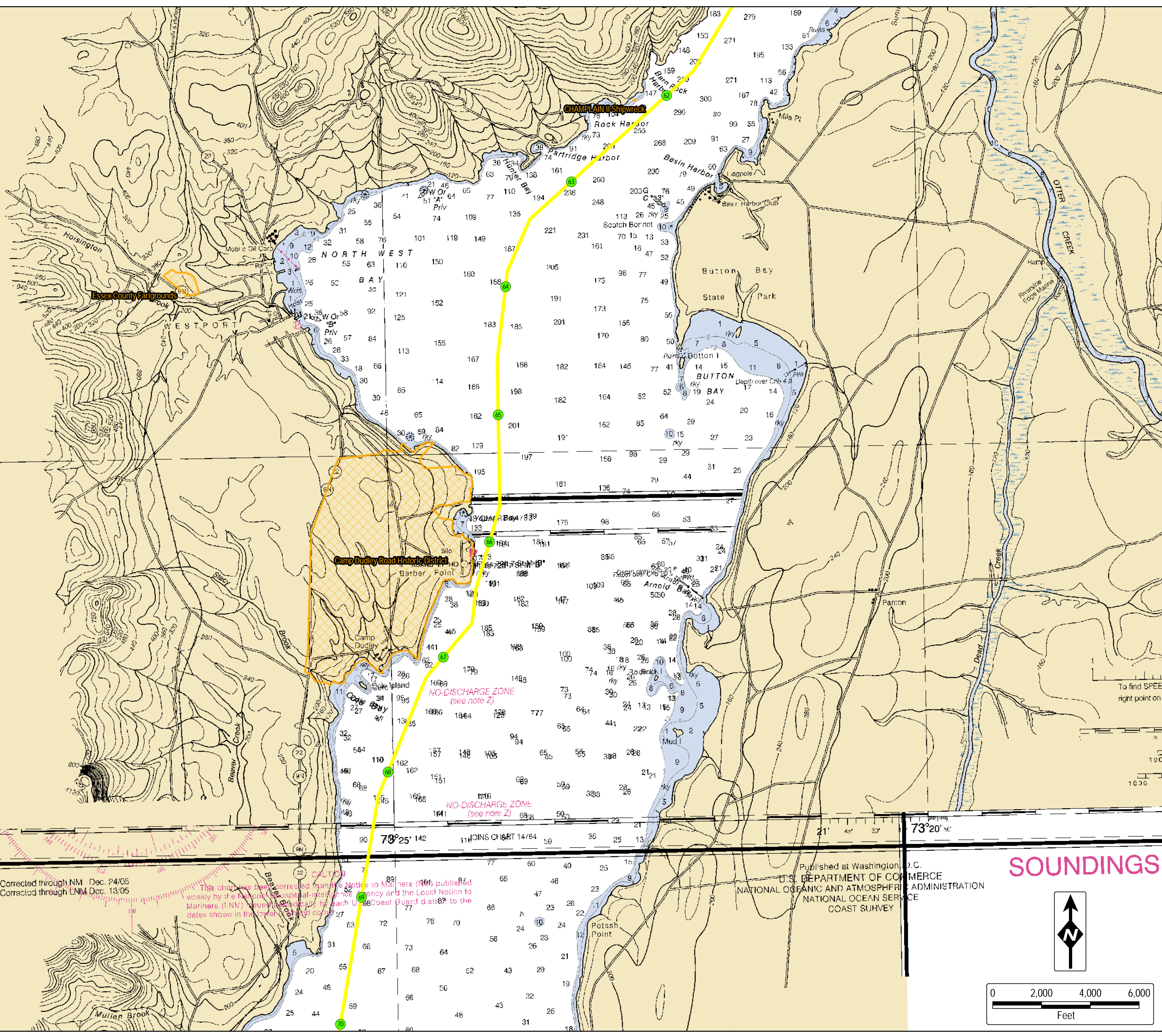
### LEGEND

- Underwater Route
- CP/CSX Railroad ROW
- - - - Spur
- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
- ★ Mine
- Park
- State Park
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- Historic Site
- Scenic Area

**DATA SOURCES:**  
NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

**NOTES:**  
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2. Width of Cable Route lines are not drawn to scale.

  
**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
**on NOAA/NYS DOT Mapping**  
 Sheet 7 of 38  
 Prepared by:   &  7/14/2010



### LEGEND

- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
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44° 10'

14784

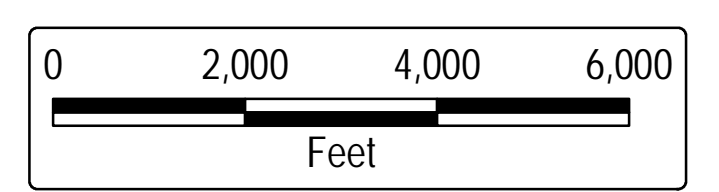
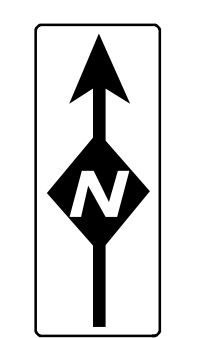
20th Ed. Dec. / 05  
 Corrected through NM Dec. 24/05  
 Corrected through LNM Dec. 13/05


14783

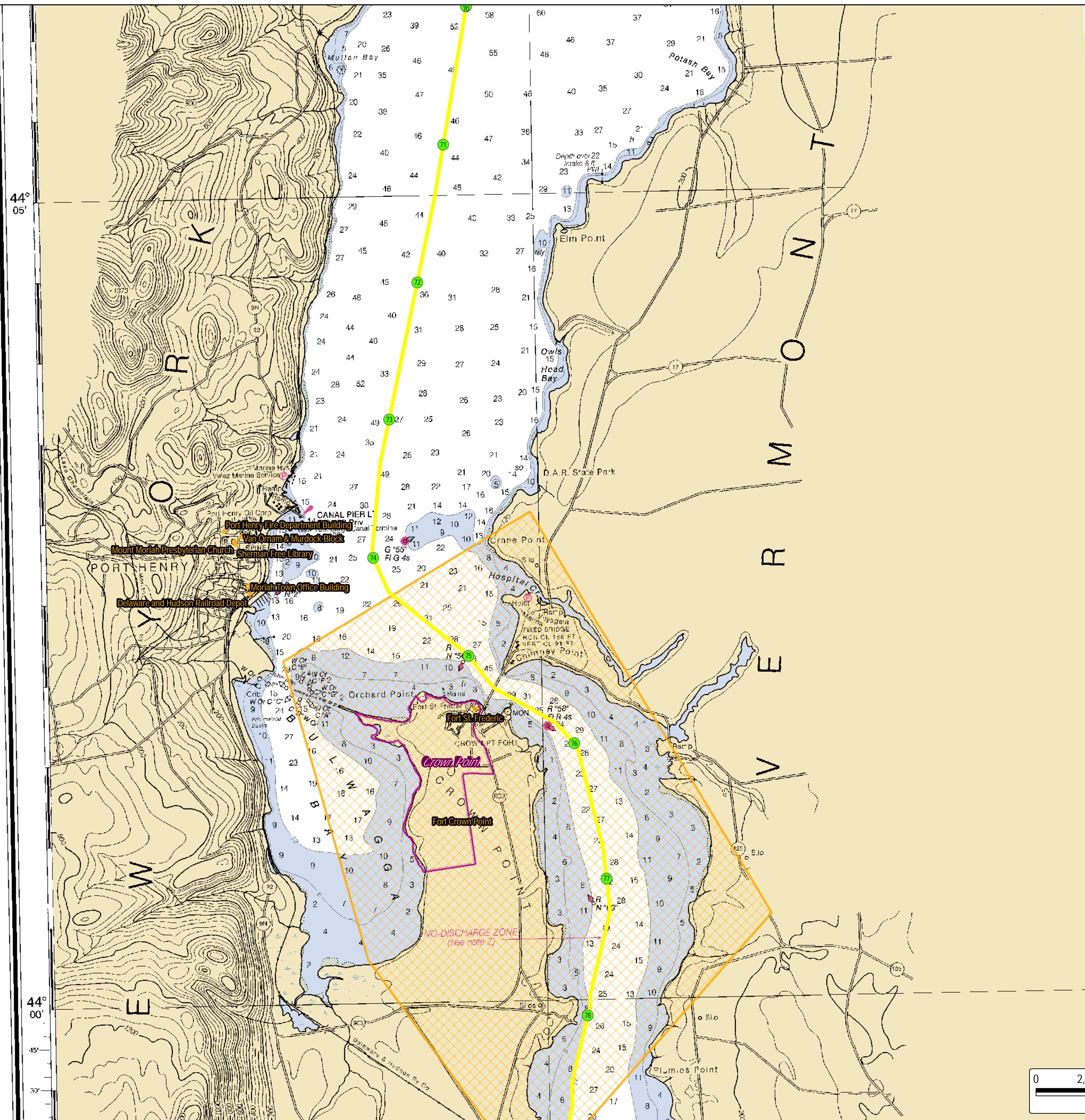
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Oceanic and Atmospheric Administration and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the correction list.

Published at Washington, D.C.  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
 NATIONAL OCEAN SERVICE  
 COAST SURVEY

**SOUNDINGS I**

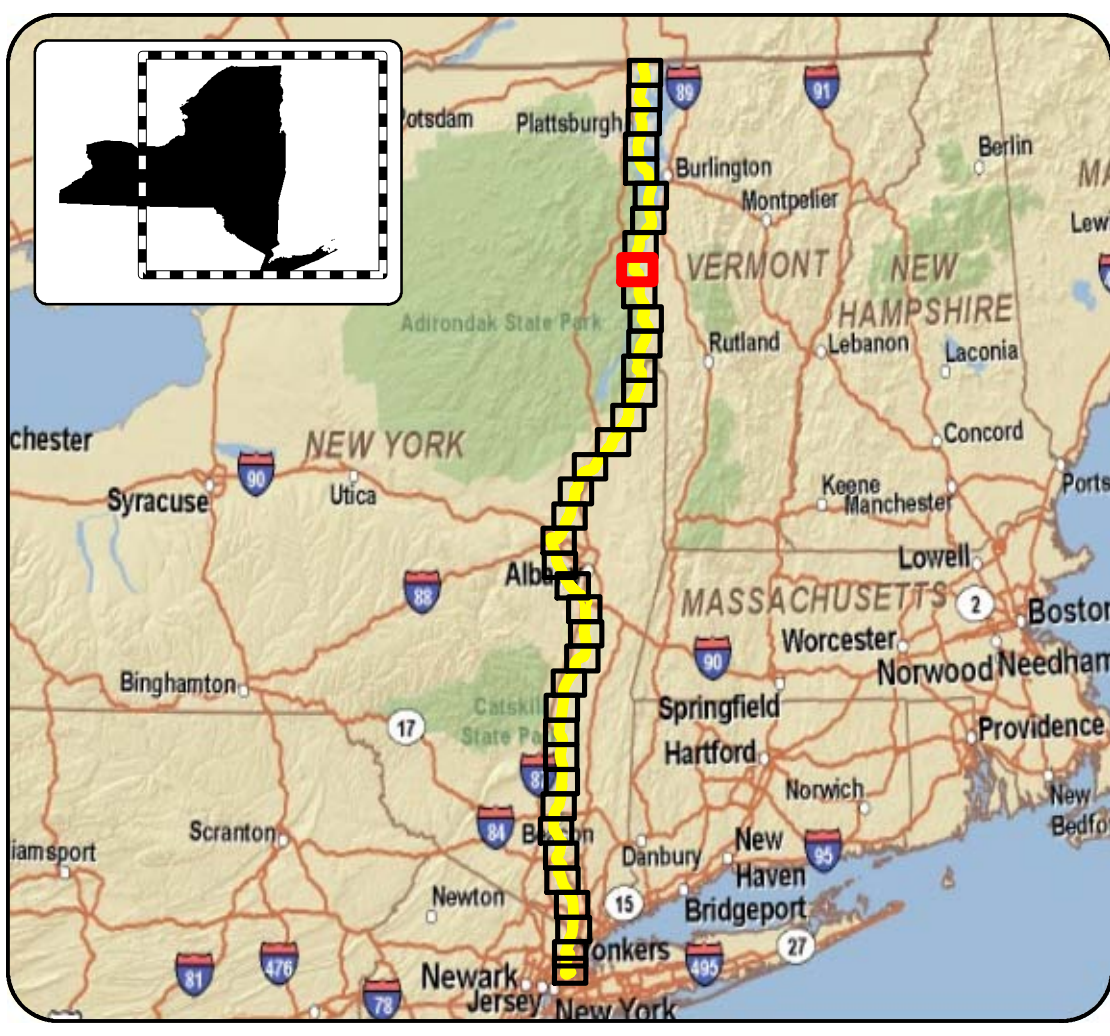
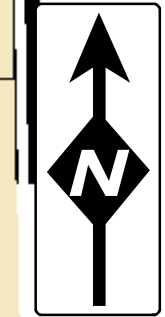
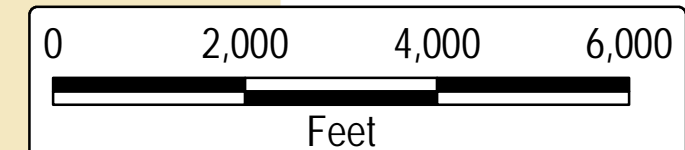


  
**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 8 of 38  
 Prepared by: **FDR** | **DTA** & **TRC** 7/14/2010



44° 05'

44° 00'



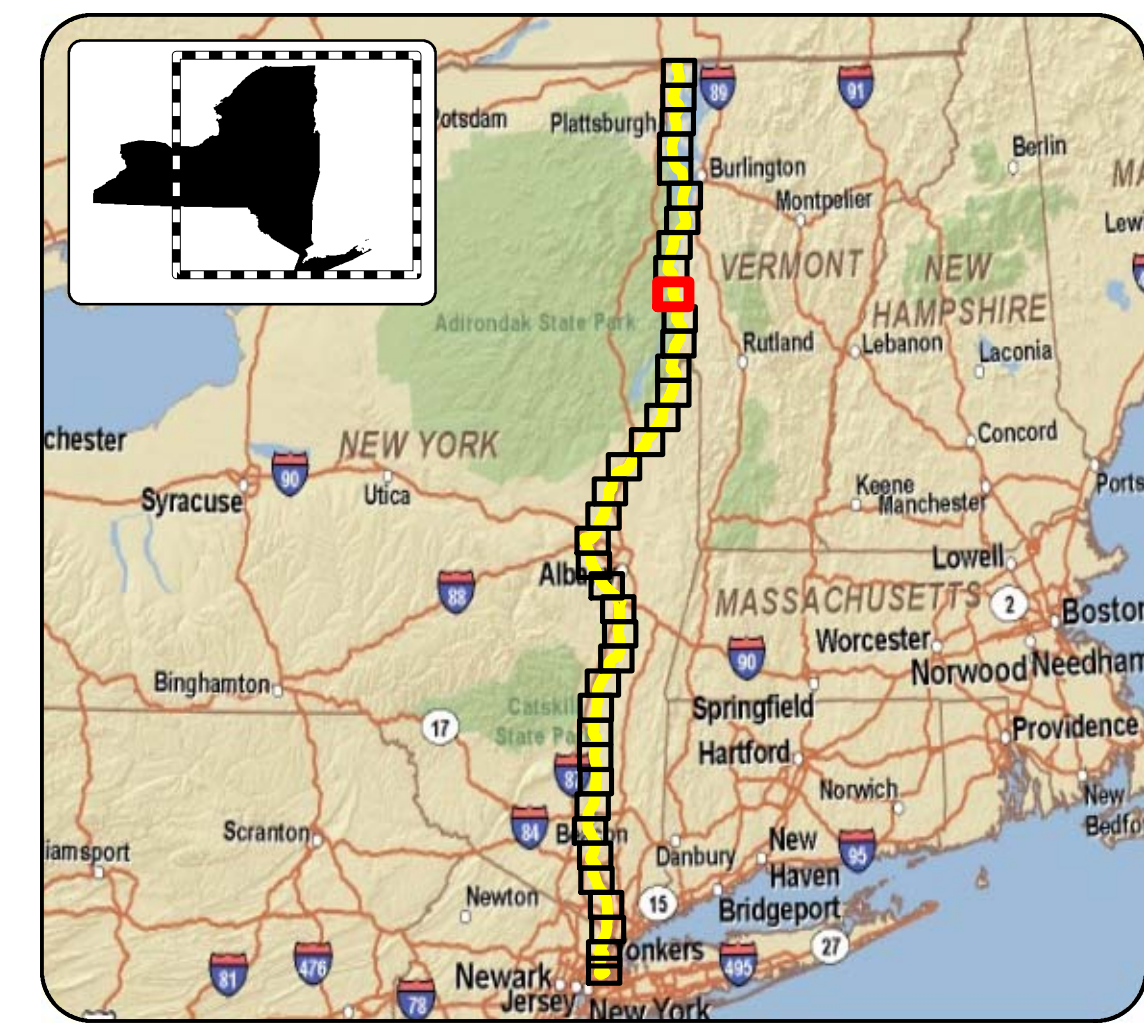
### LEGEND

- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
- Yonkers Converter Station
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**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

**NOTES:**  
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 2. Width of Cable Route lines are not drawn to scale.

**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 9 of 38  
 Prepared by: & 7/14/2010



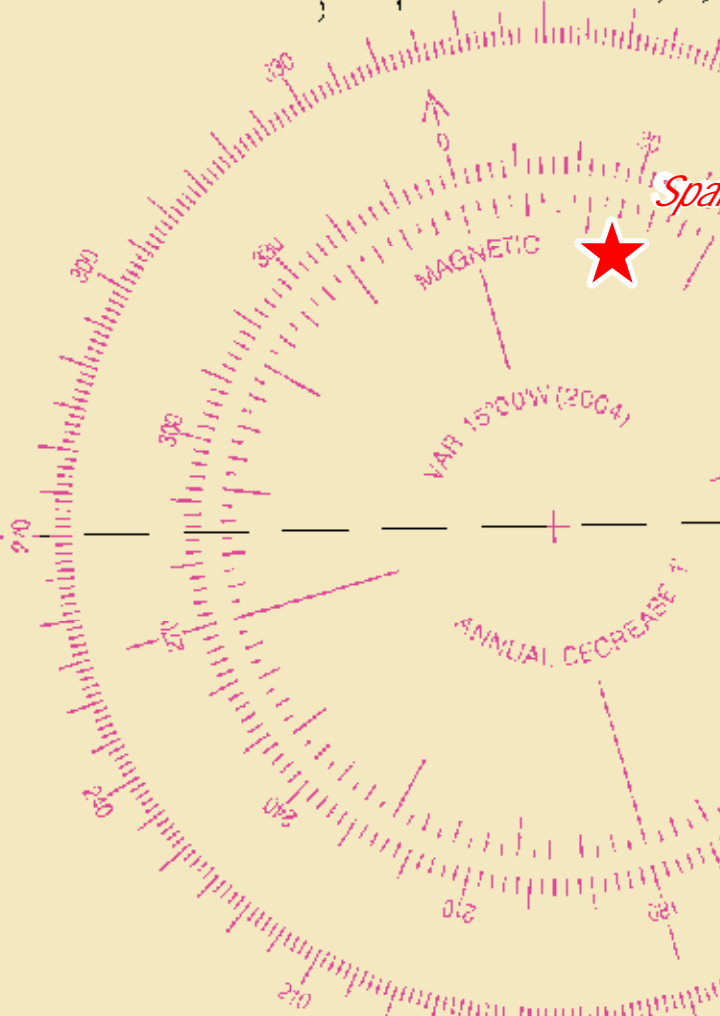
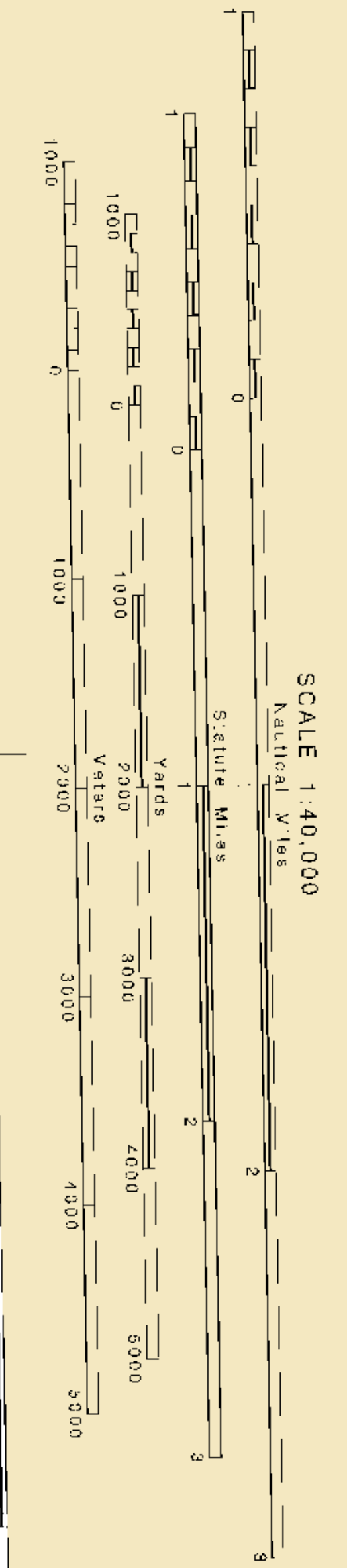
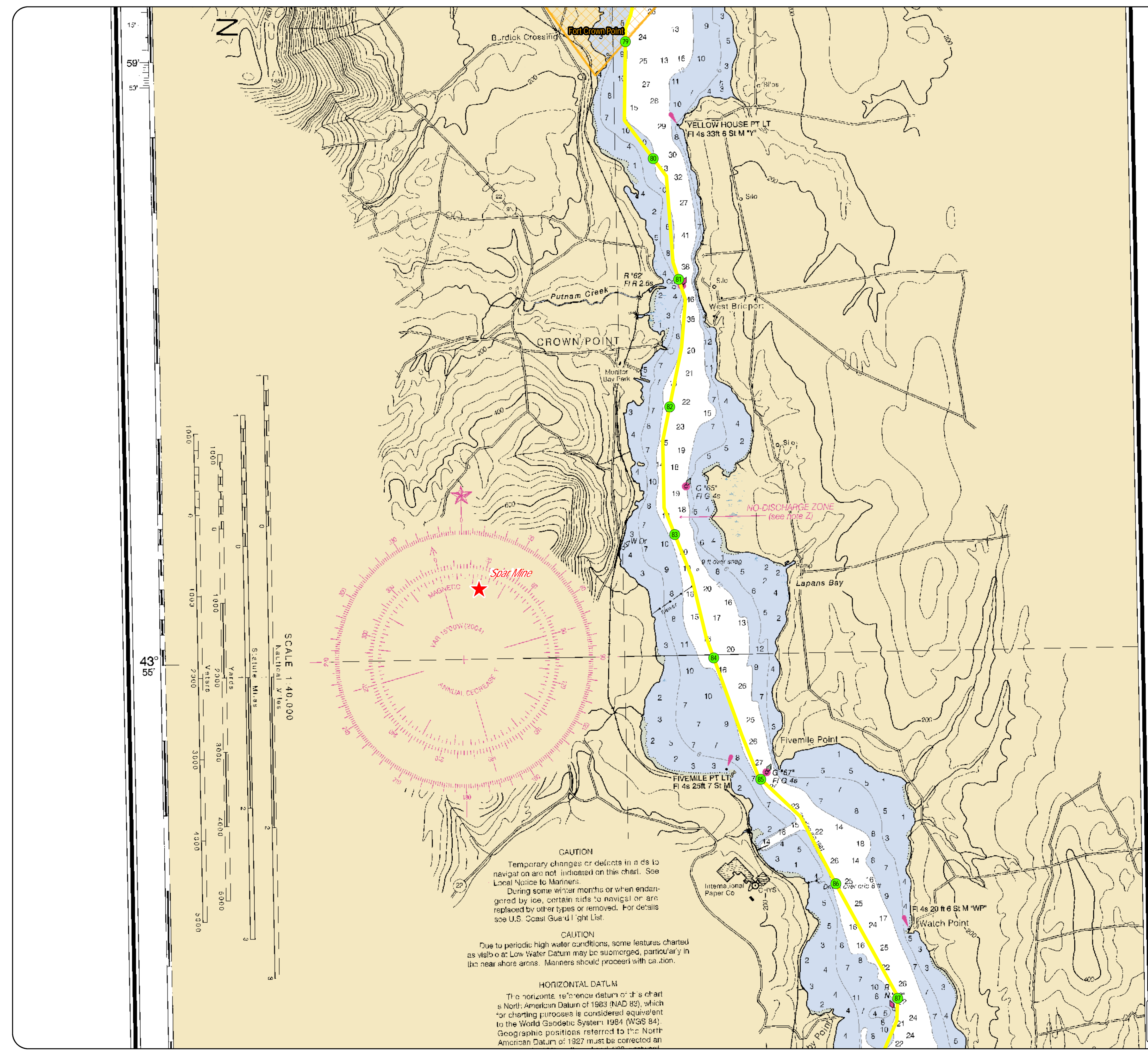
### LEGEND

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- Poletti Substation
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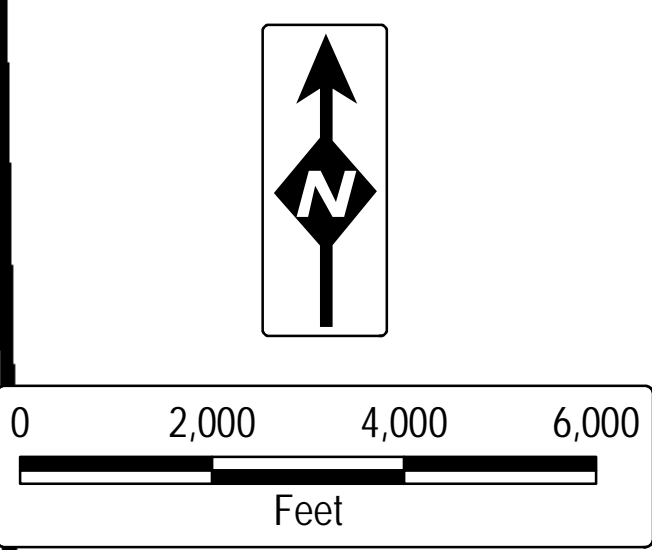
**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 10 of 38  
 Prepared by: & 7/14/2010



**CAUTION**  
 Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.  
 During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

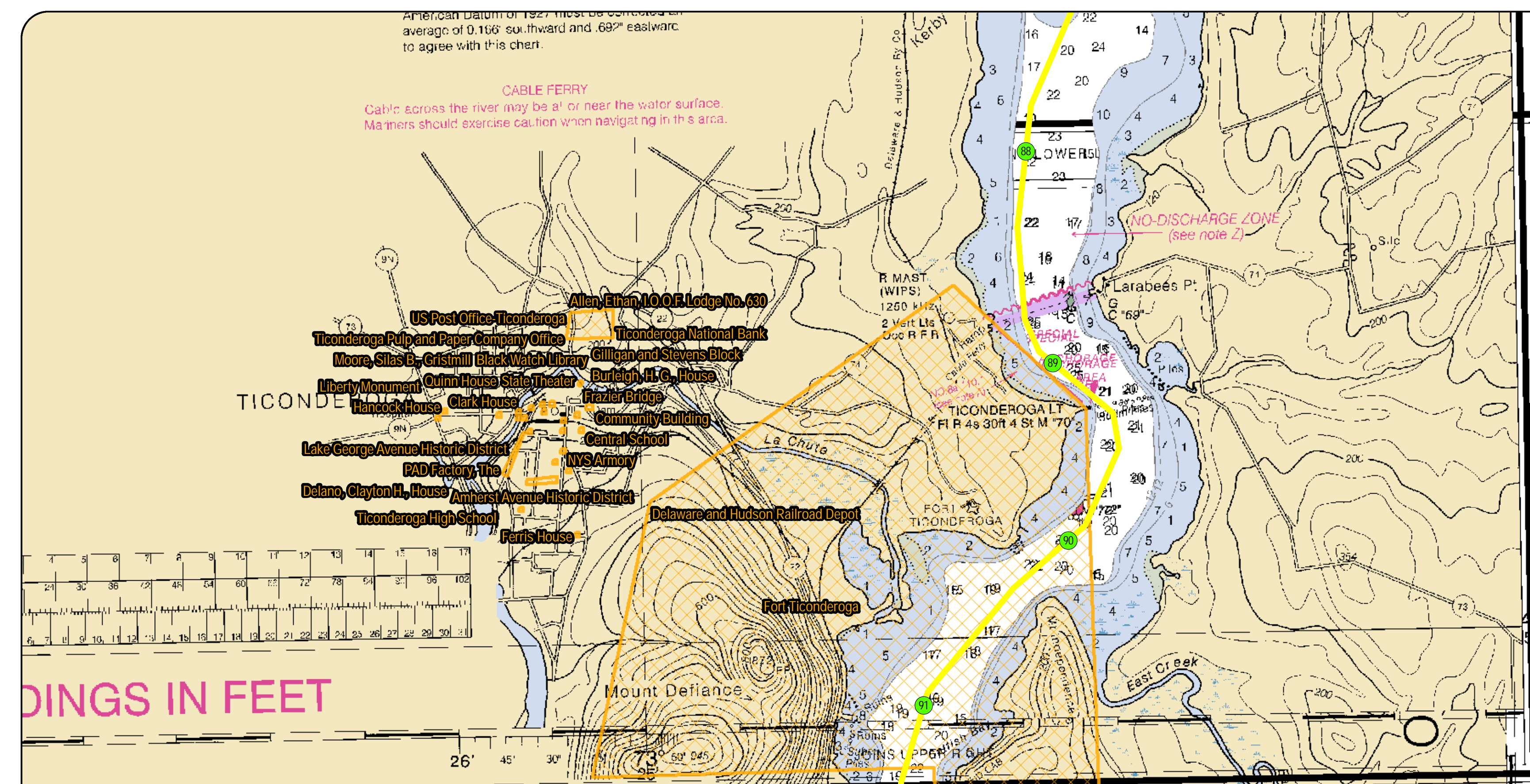
**CAUTION**  
 Due to periodic high water conditions, some features charted as visible at Low Water Datum may be submerged, particularly in the near shore areas. Mariners should proceed with caution.

**HORIZONTAL DATUM**  
 The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an



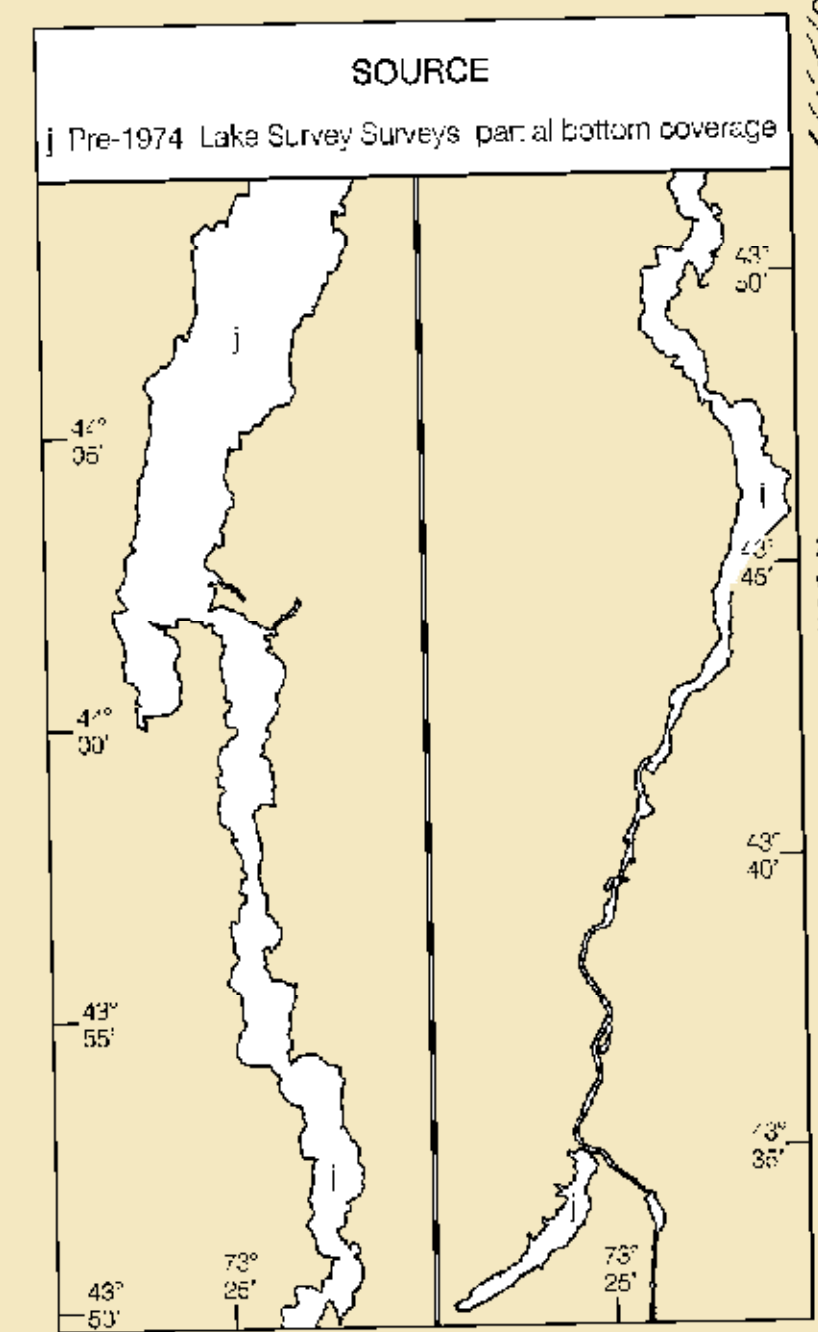
American Datum of 1927. Most of the chart was surveyed by the U.S. Army Corps of Engineers prior to 1974. Channels currently maintained by the U.S. Army Corps of Engineers are periodically surveyed and are not shown on this diagram. Refer to Chart 1, United States Coast Pilot 1, for the dates shown in the lower left hand corner.

**CABLE FERRY**  
Cable across the river may be at or near the water surface. Mariners should exercise caution when navigating in this area.



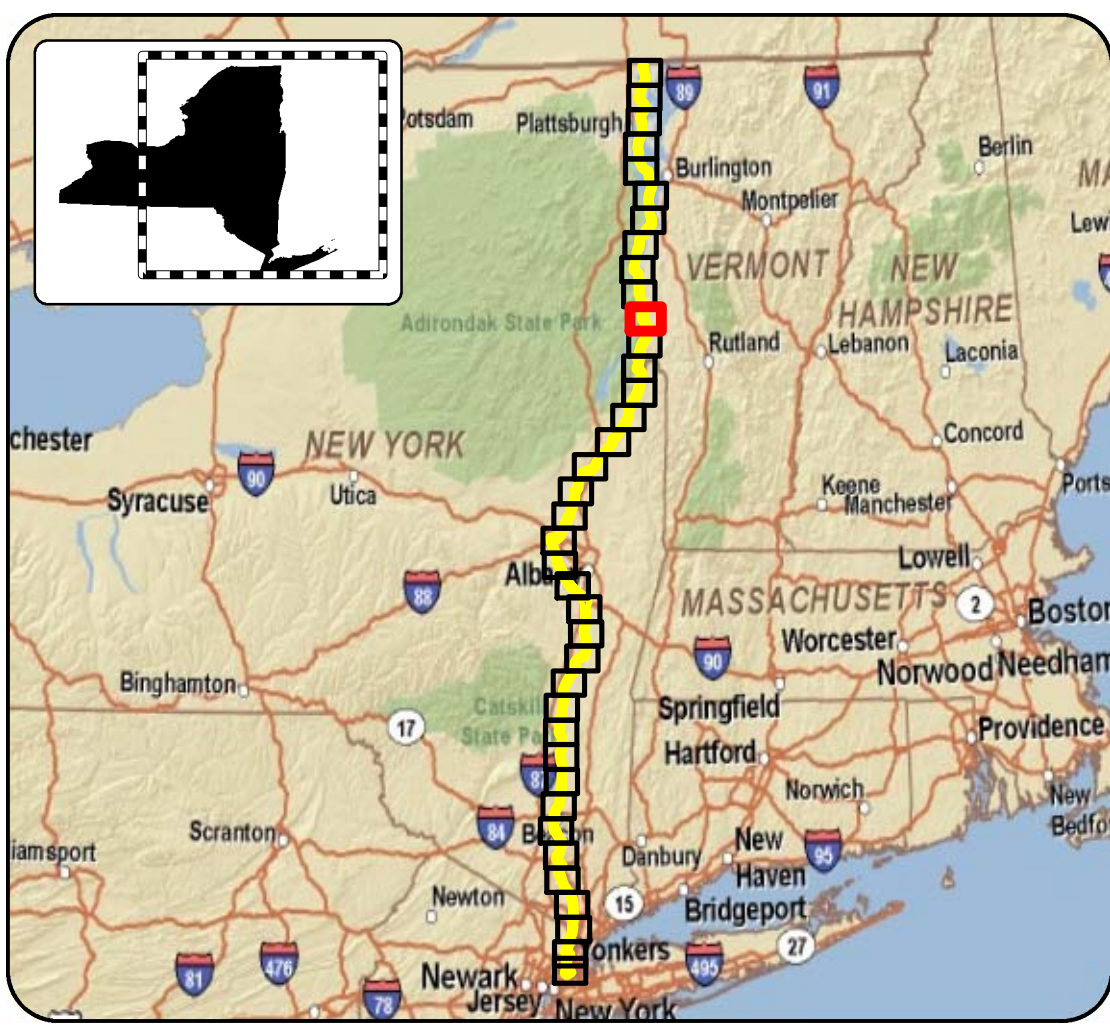
**DEPTHS IN FEET**

**SOURCE DIAGRAM**  
Most of the hydrographic information on this chart was surveyed by the U.S. Army Corps of Engineers prior to 1974. Channels currently maintained by the U.S. Army Corps of Engineers are periodically surveyed and are not shown on this diagram. Refer to Chart 1, United States Coast Pilot 1, for the dates shown in the lower left hand corner.



VERMONT  
ONT

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U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEANIC SERVICE  
COAST SURVEY

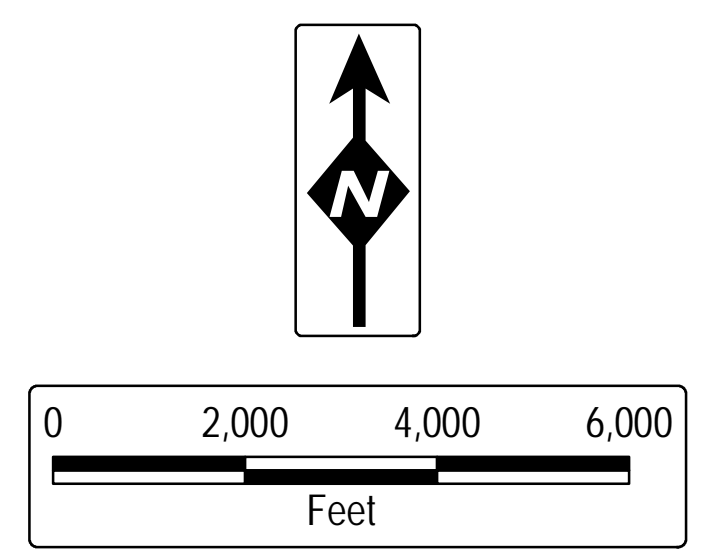


**LEGEND**

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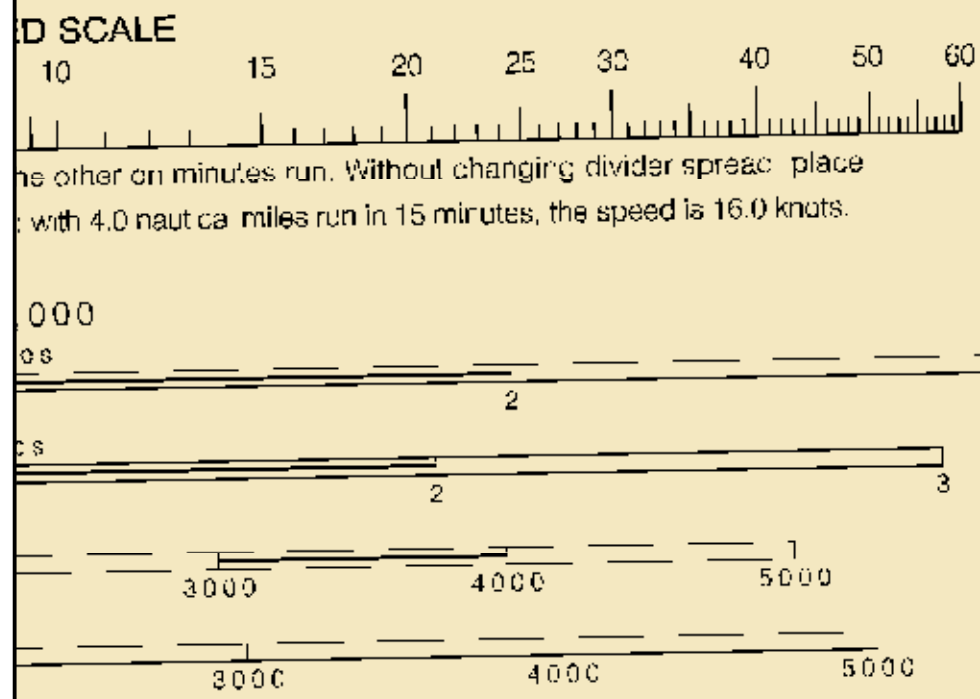


**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*

Figure 2.1-2  
**Location of Facilities**  
on NOAA/NYS DOT Mapping  
Sheet 11 of 38

Prepared by: & 7/14/2010

LAKE CHAMPLAIN  
 (al Datum of 1929.  
 ..... 93.8 ft.  
 (atum)..... 93.0 ft.  
 ght List for supplemental information  
 symbols and abbreviations see Chart  
 the water surface is above Low Water  
 correspondingly. For clearances see U.S.  
 National Ocean Service, Coast Survey,  
 Geological Survey, U.S. Coast Guard, and  
 Pilot 6 for important supplemental  
 at nauticalcharts.noaa.gov.



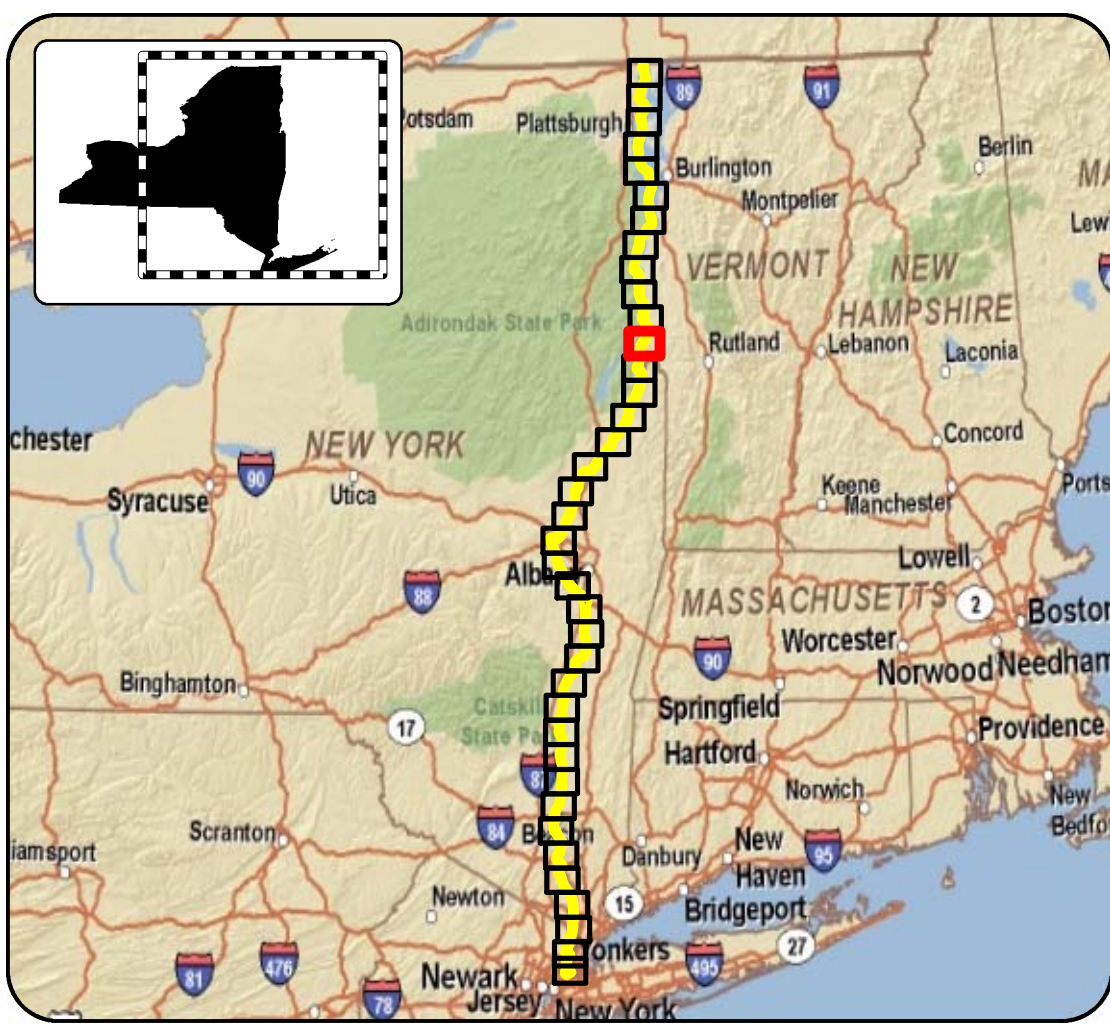
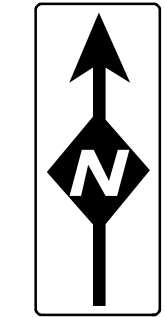
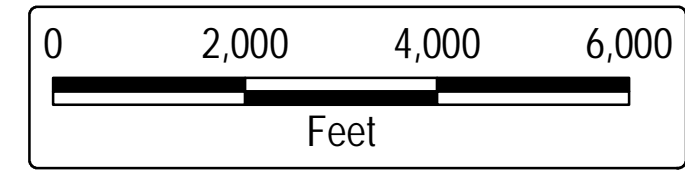
**CHARTS**  
 dated weekly by NOAA for Notices to Mariners  
 and using Print-on-Demand technology. New  
 additional NOAA charts. Ask your chart agent  
 1-800-584-4683, <http://NauticalCharts.gov>,  
 7-56CHART, <http://OceanGrafix.com>, or



43°  
45'

43°  
40'

**POLLUTION REPORTS**  
 Report all spills of oil and hazardous substances to the  
 National Response Center via 1-800-424-8802 (toll free), or  
 to the nearest U.S. Coast Guard facility if telephone con-



**LEGEND**

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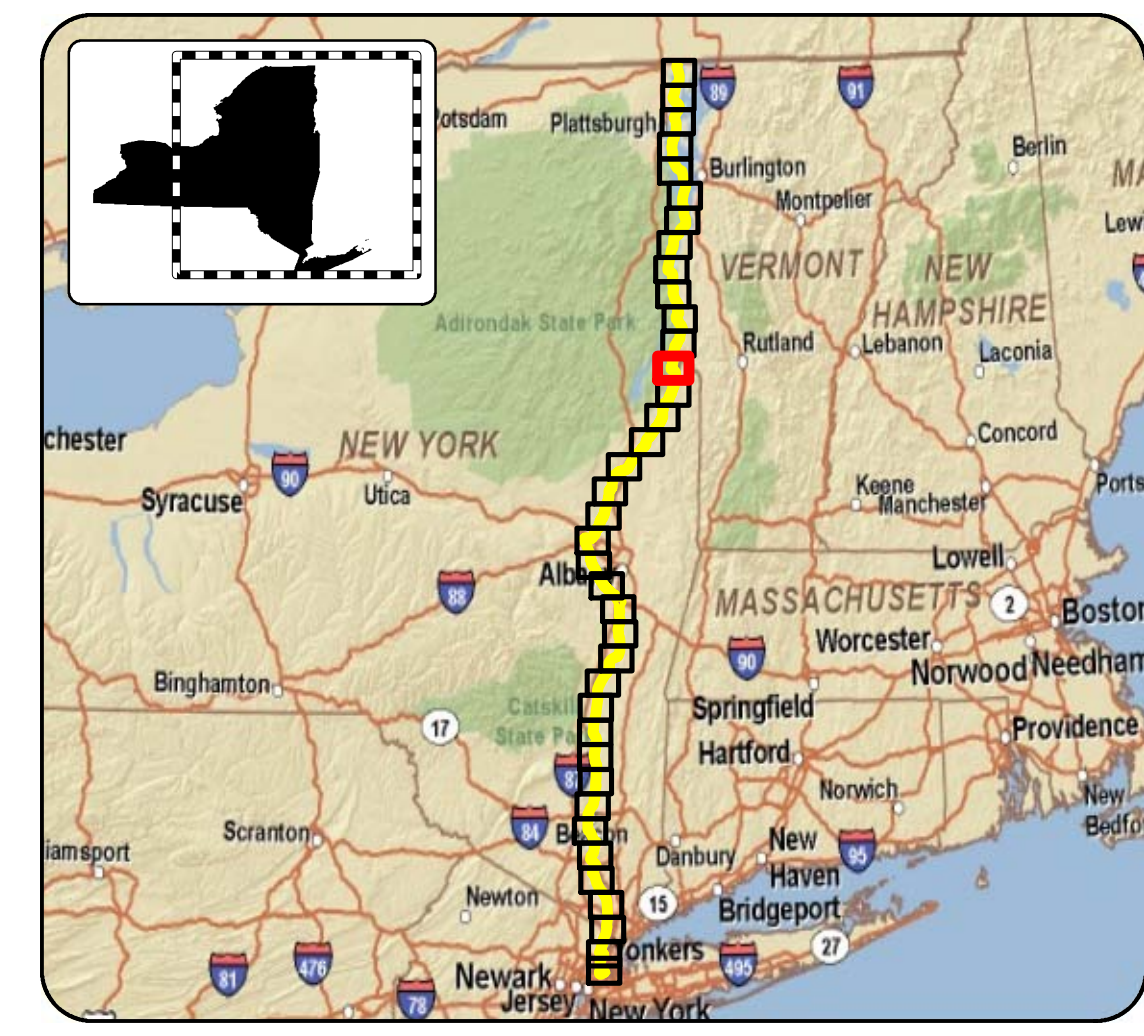
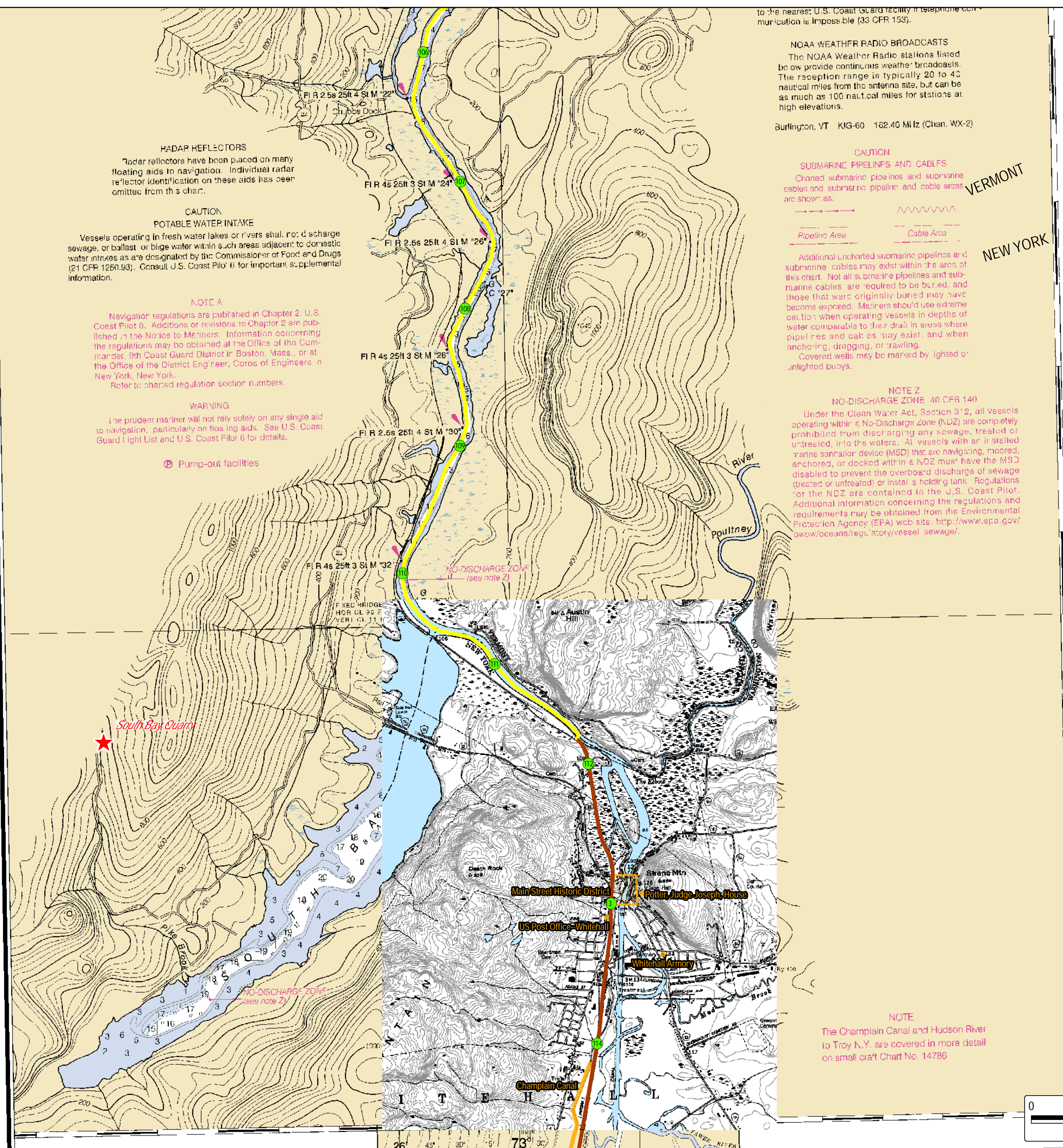
**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF  
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 RECREATION AND HISTORICAL PRESERVATION (OPRHP)

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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*

Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 12 of 38

Prepared by: & 7/14/2010




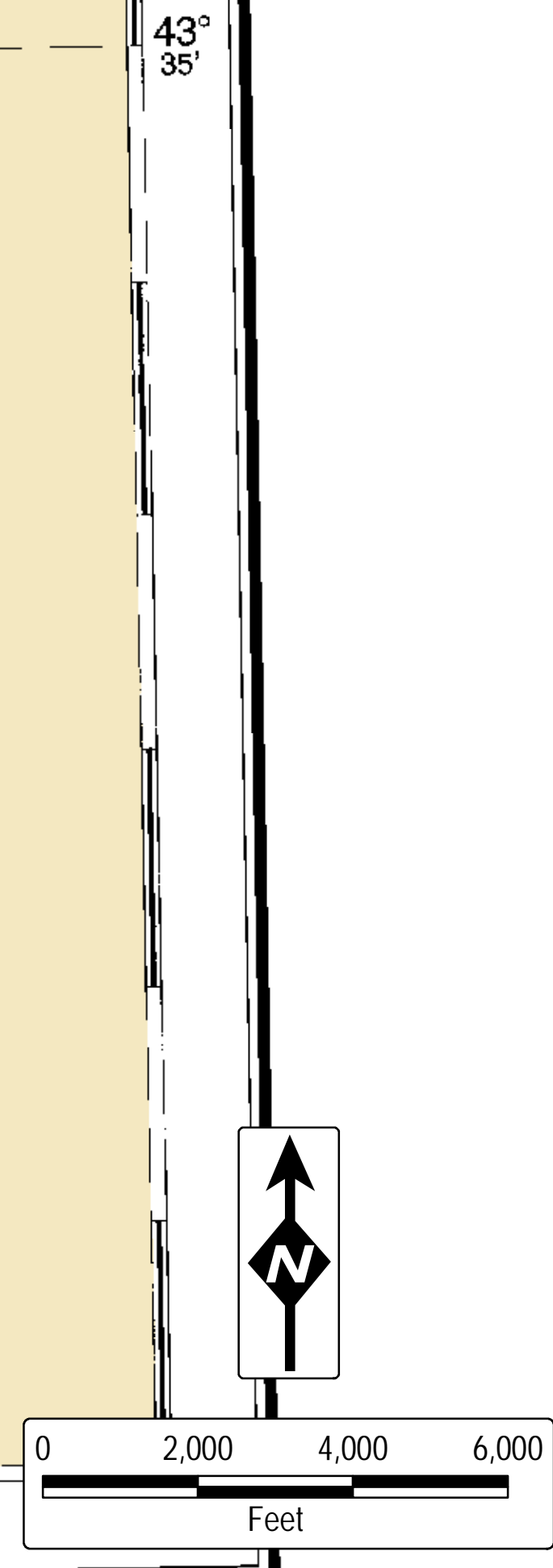
### LEGEND

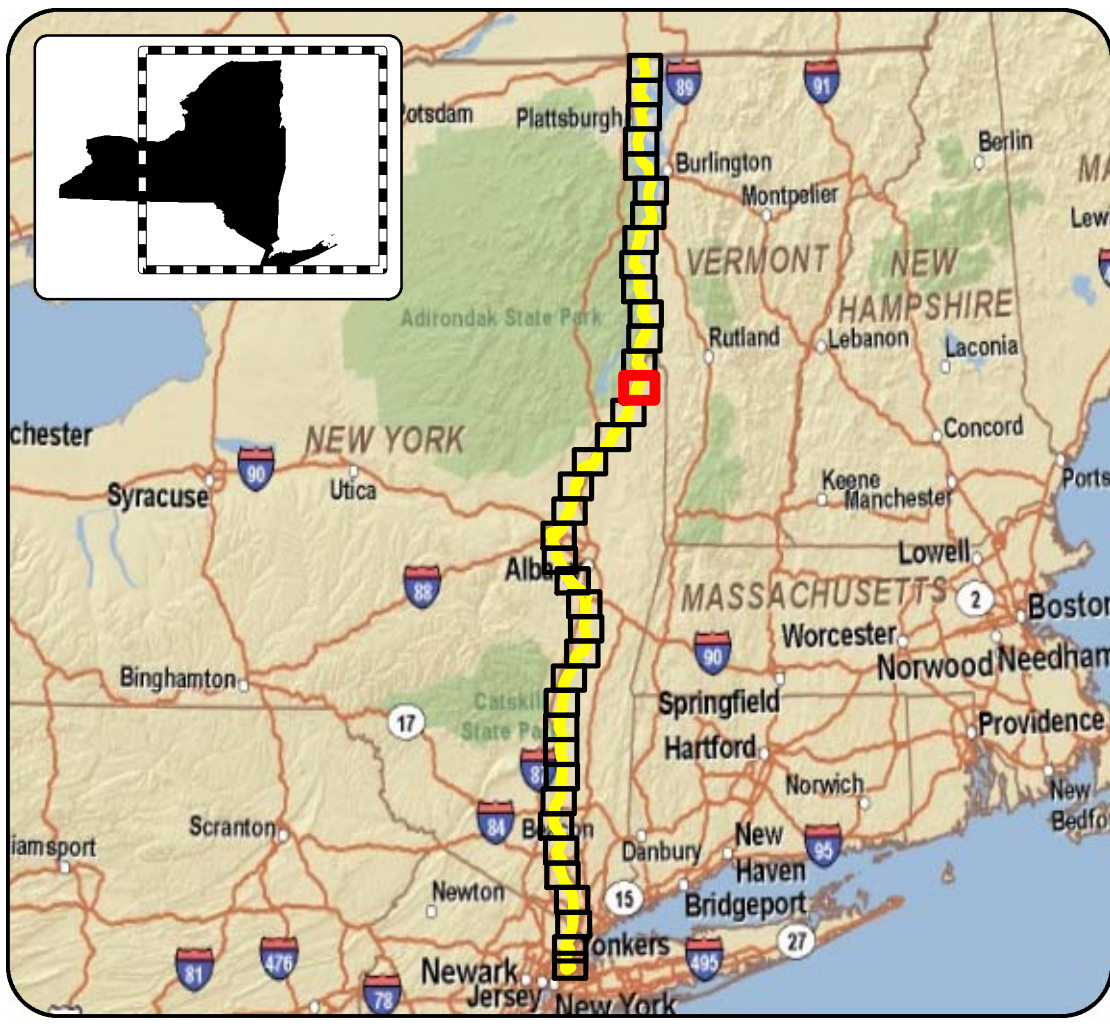
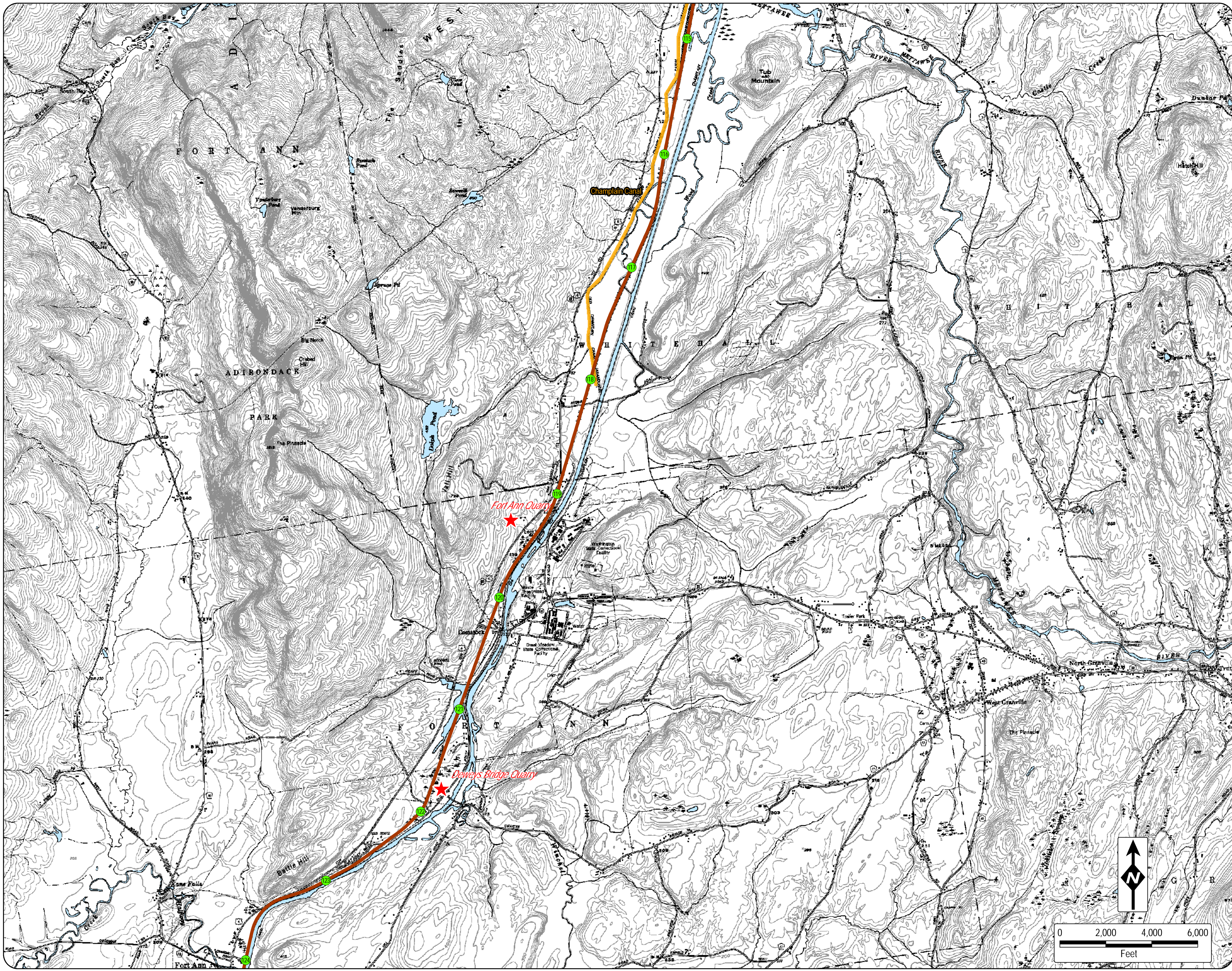
- Underwater Route
- CP/CSX Railroad ROW
- ..... Spur
- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
- ★ Mine
- Park
- State Park
- Untouched Wilderness
- Historic Site
- Scenic Area

**DATA SOURCES:**  
NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

**NOTES:**  
1. NYS DOT 24K and NOAA basemaps  
2. Width of Cable Route lines are not drawn to scale.

  
**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 13 of 38  
 Prepared by: **FDR** | **DTA** & **TRC** 7/14/2010









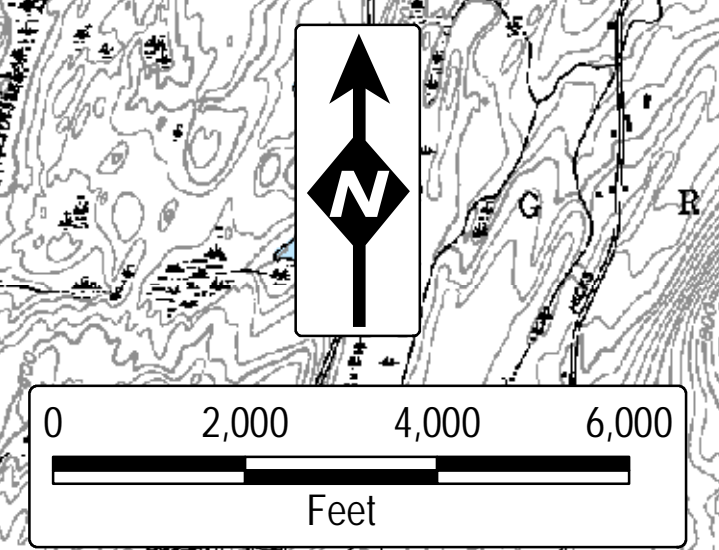
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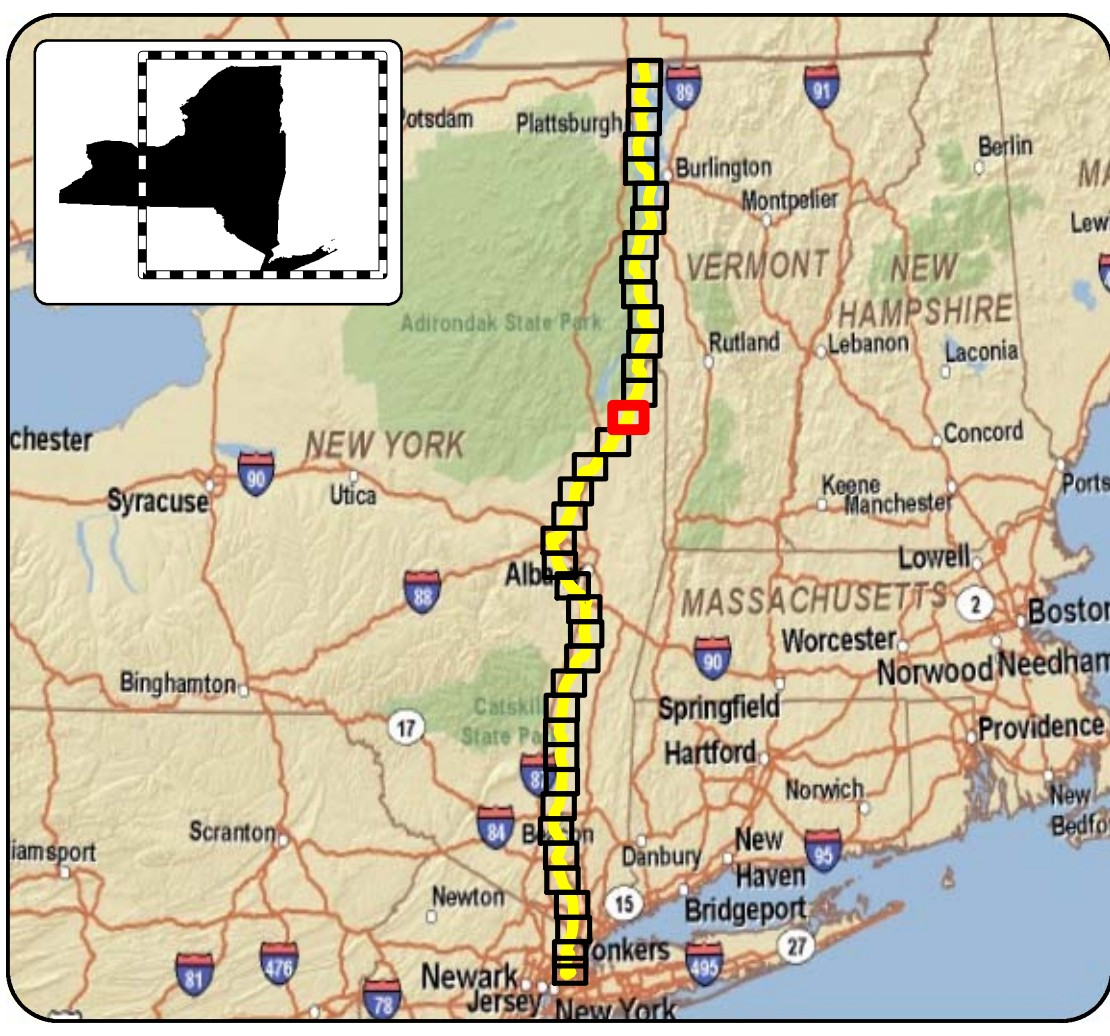
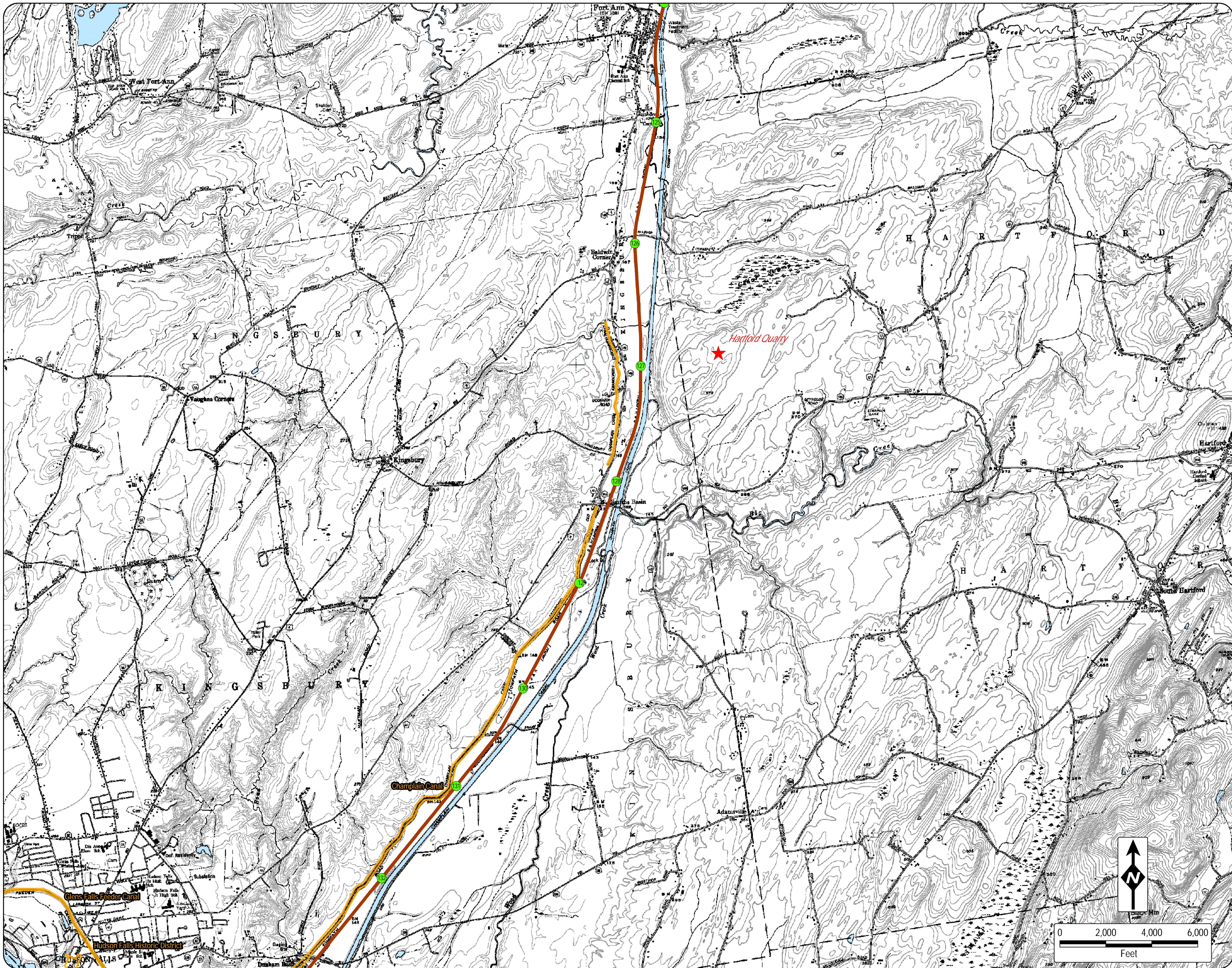
- Underwater Route
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**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 14 of 38  
 Prepared by:   &  7/14/2010









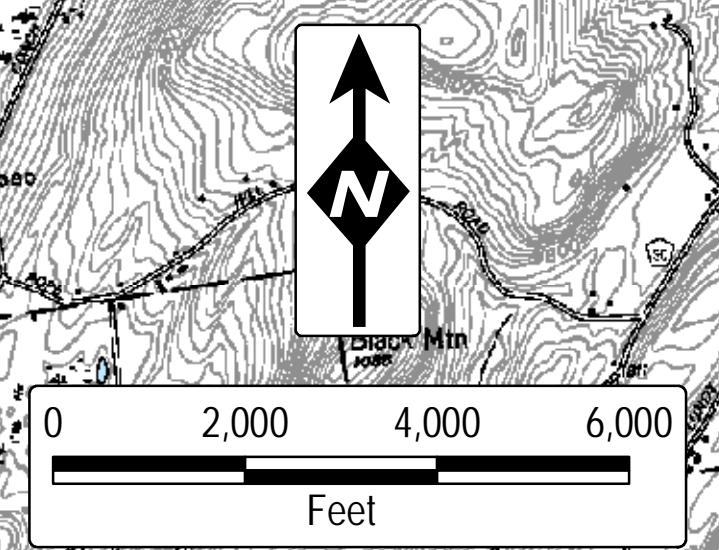
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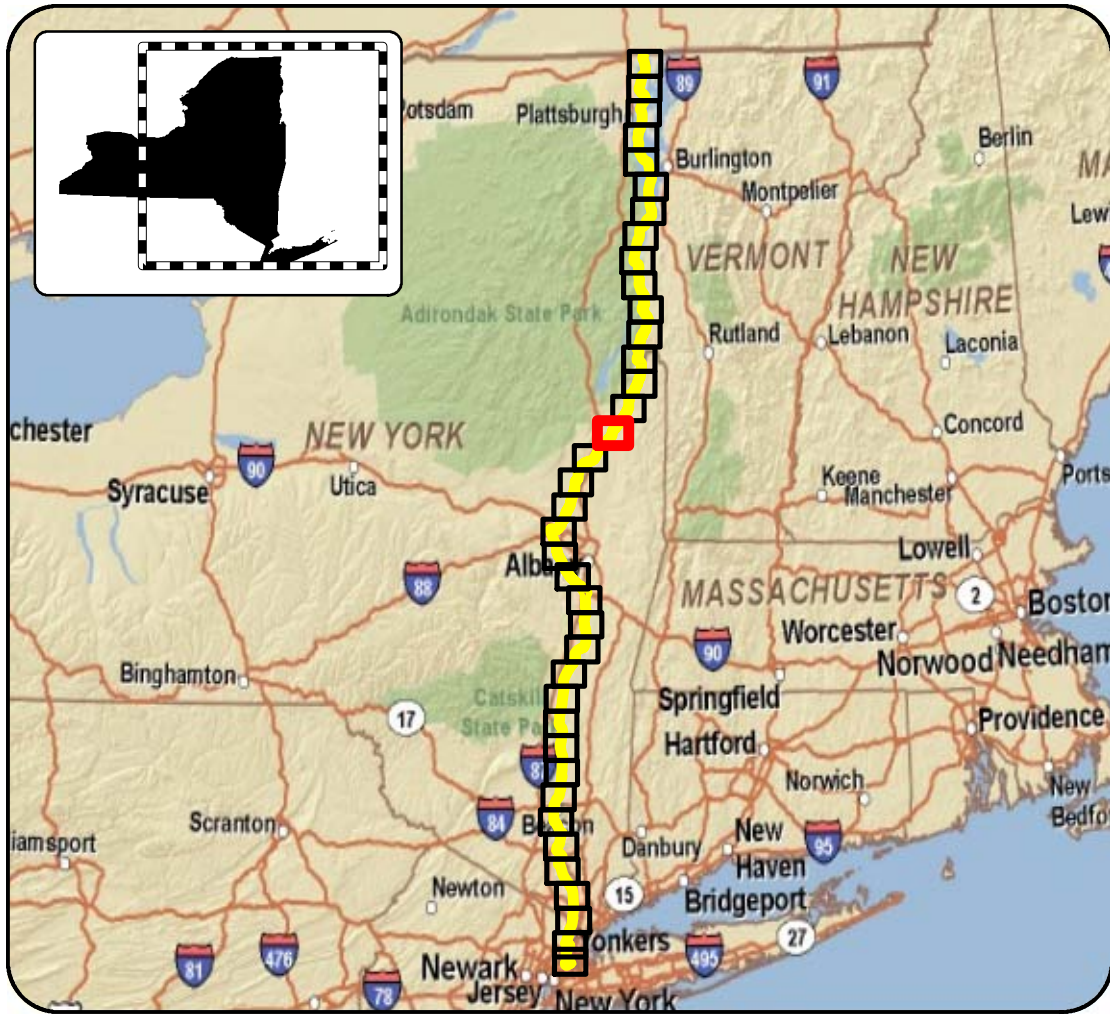
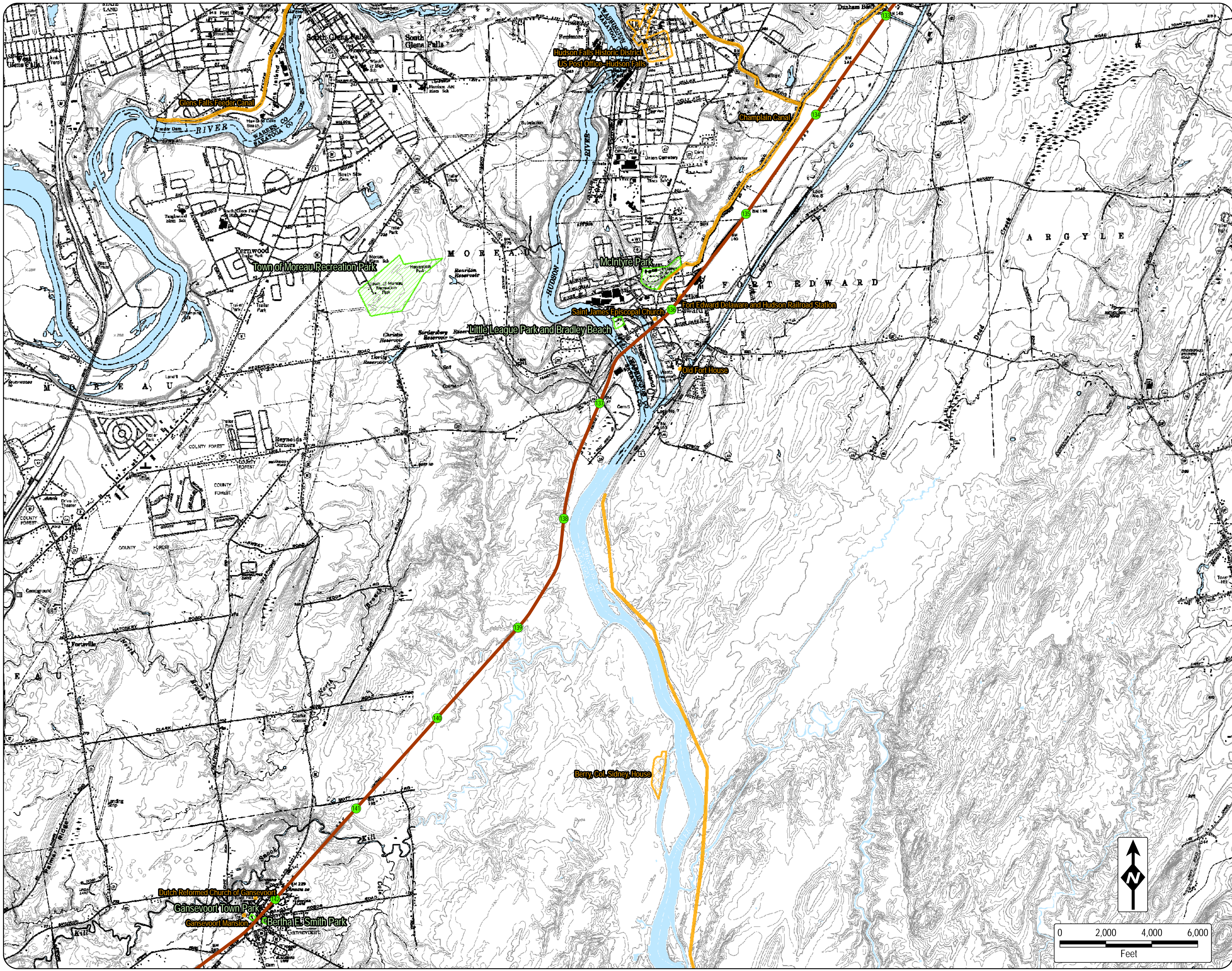
- Underwater Route
- CP/CSX Railroad ROW
- ..... Spur
- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
- ★ Mine
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**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

**NOTES:**  
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 15 of 38  
 Prepared by:   &  7/14/2010









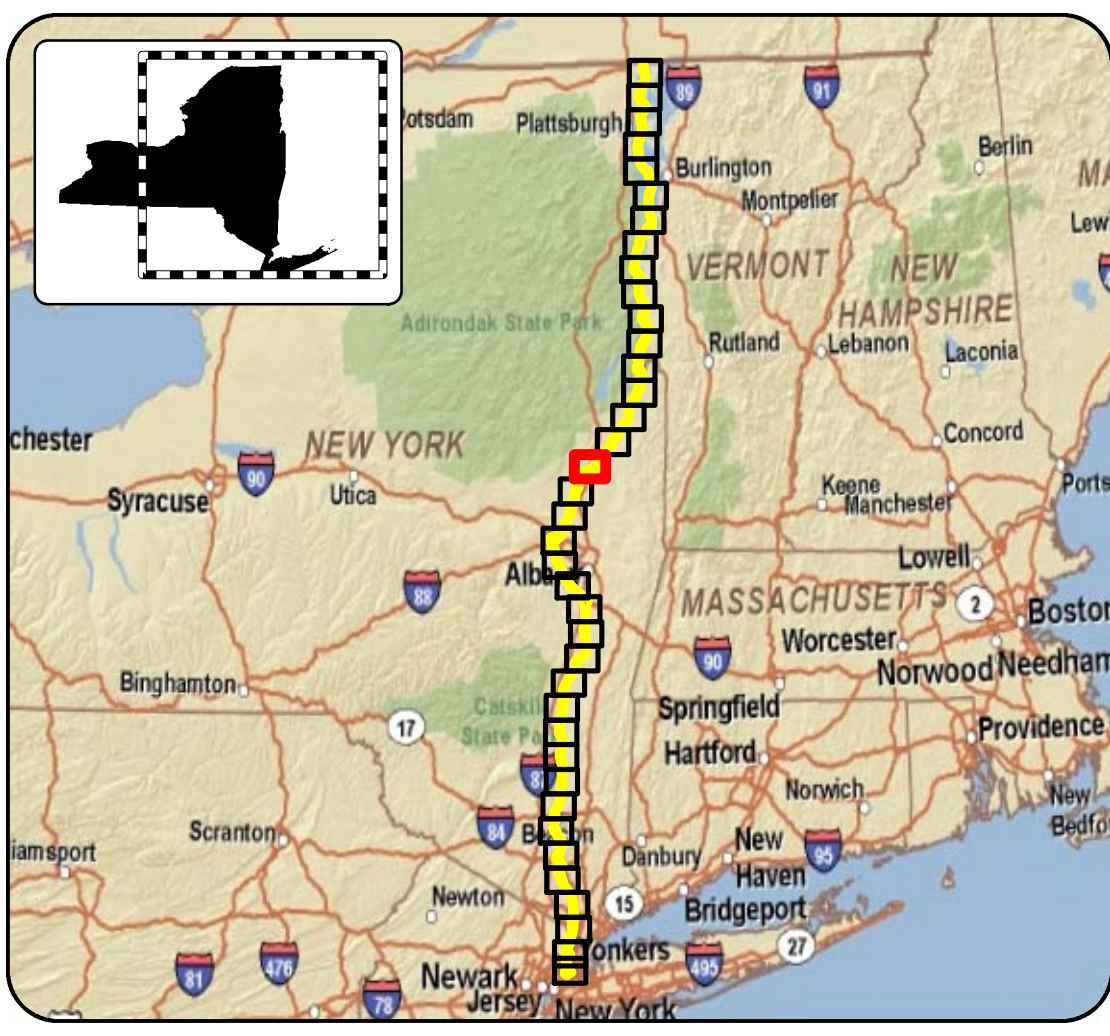
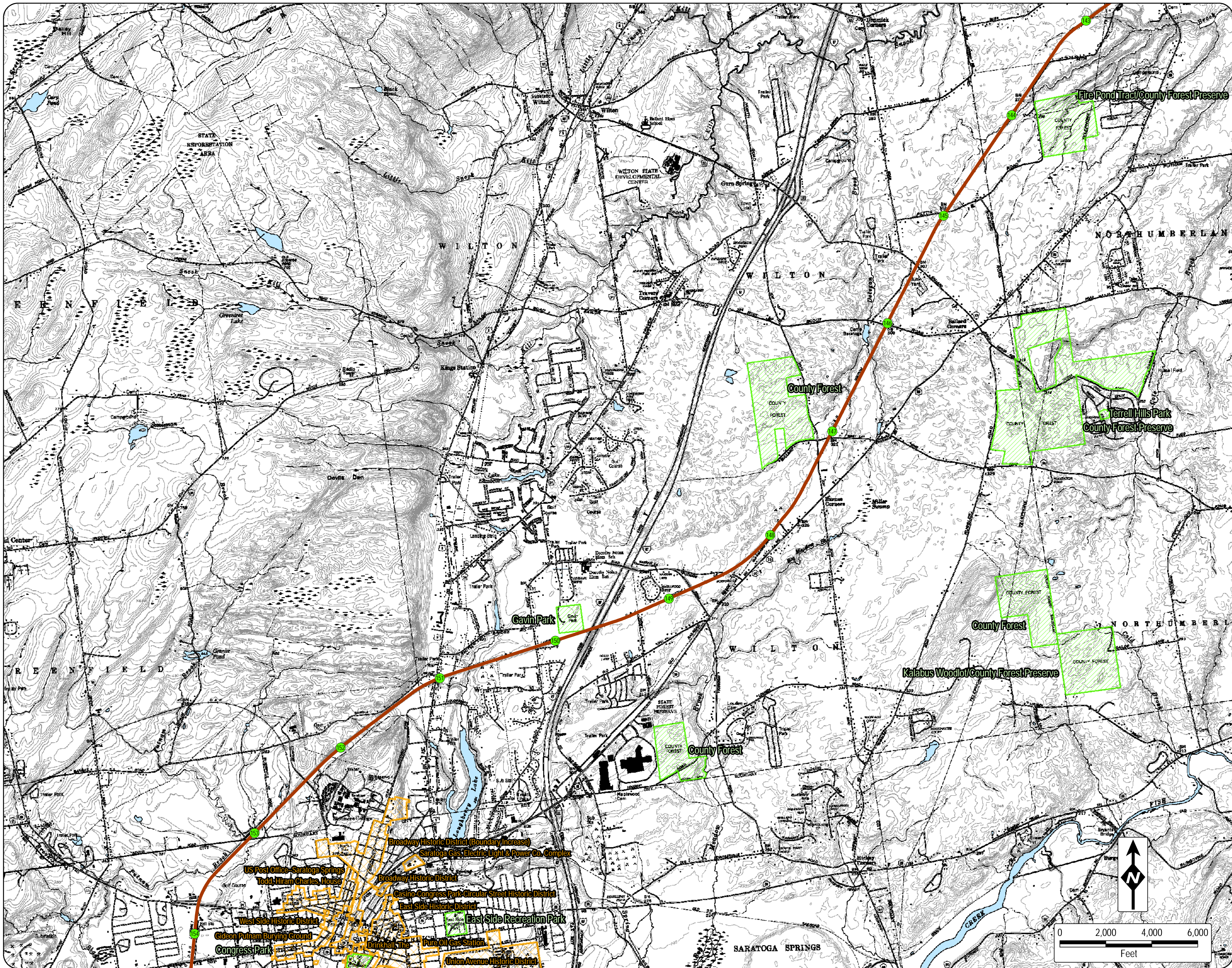
### LEGEND

- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
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- State Park
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- Historic Site
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**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

**NOTES:**  
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 16 of 38  
 Prepared by:   &  7/14/2010







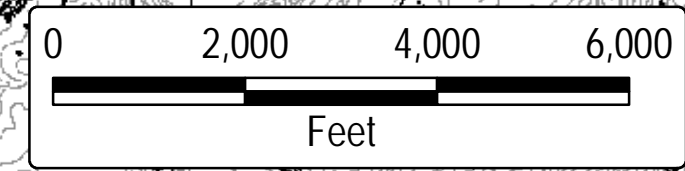
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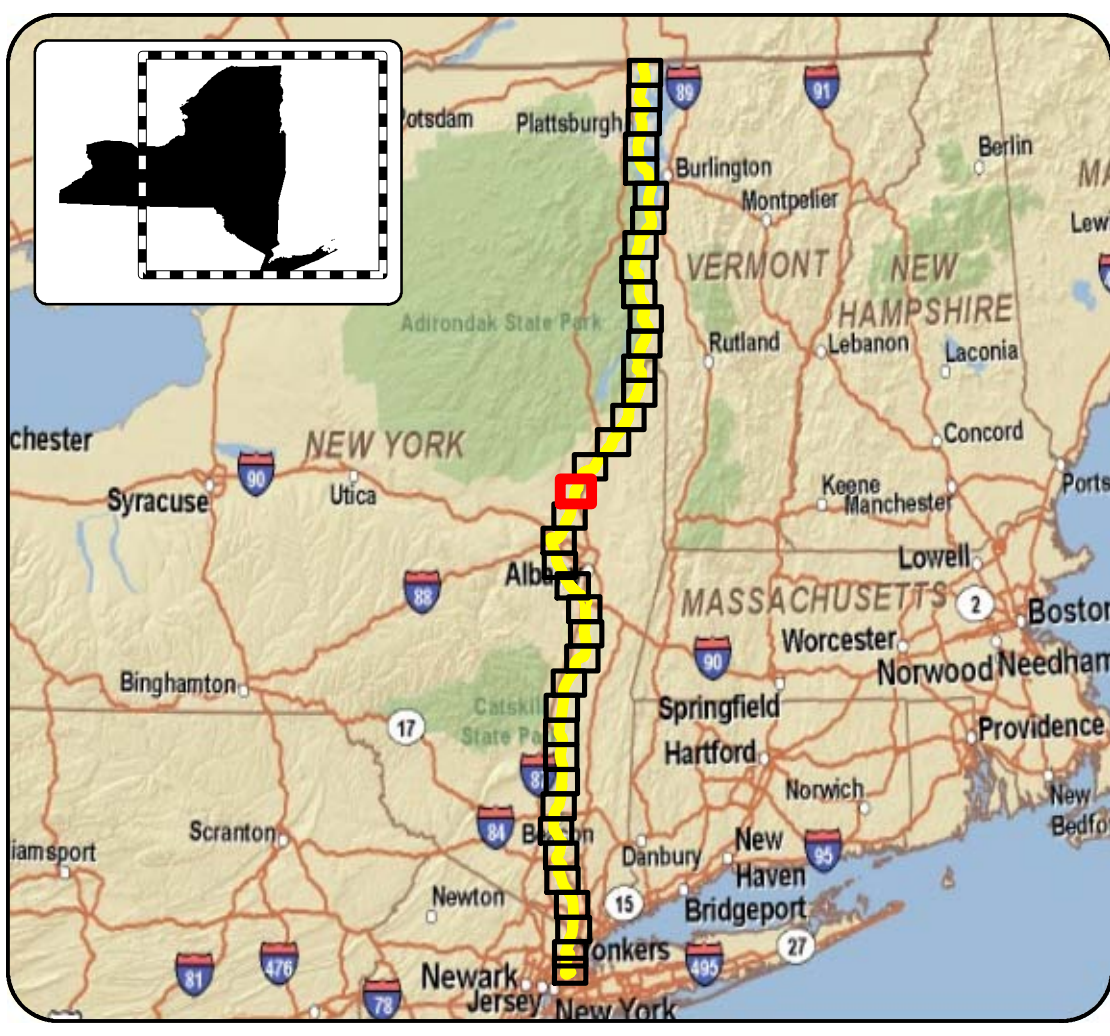
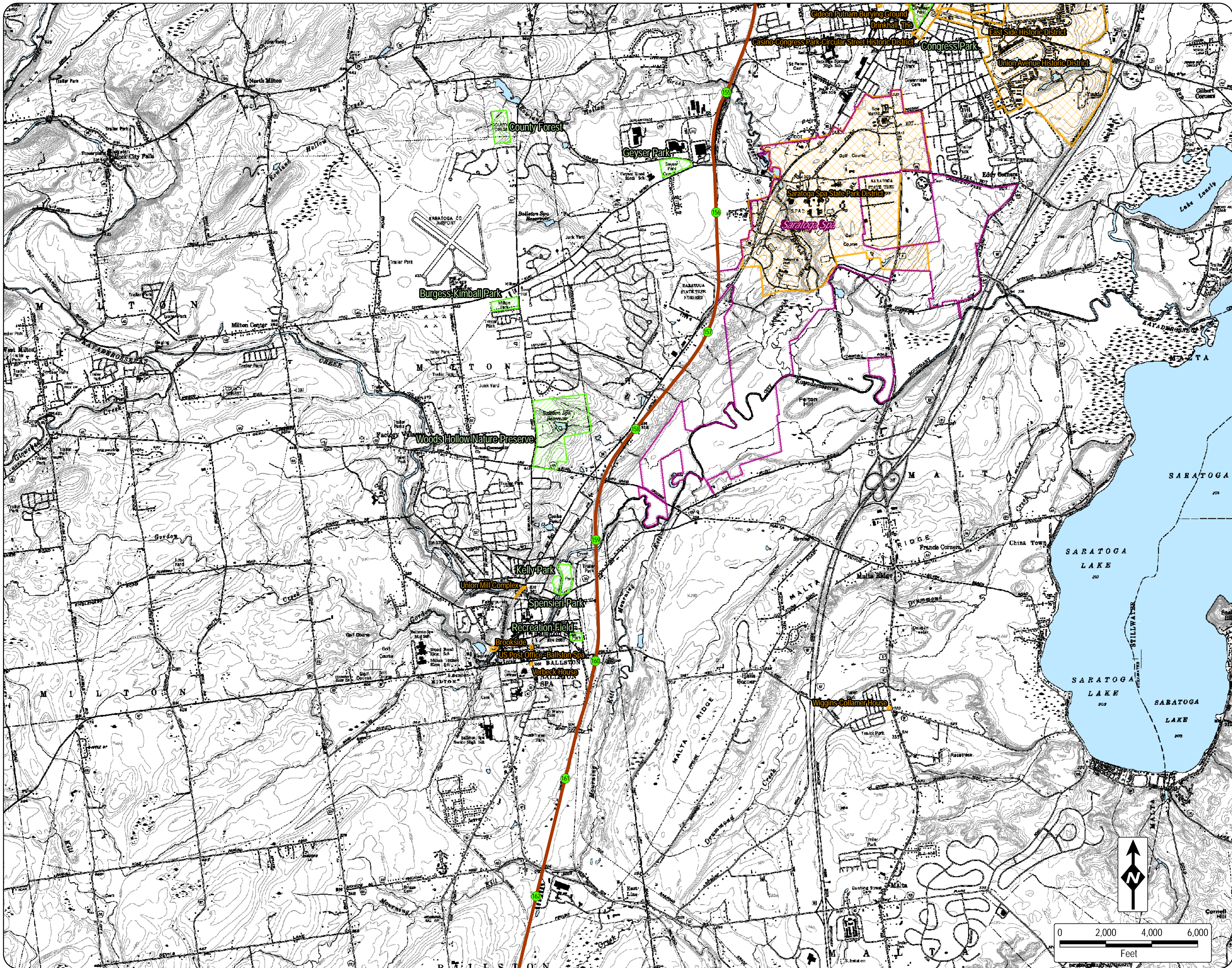
- Underwater Route
- CP/CSX Railroad ROW
- ..... Spur
- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
- ★ Mine
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- ▨ State Park
- ▨ Untouched Wilderness
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**DATA SOURCES:**  
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**NOTES:**  
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 17 of 38  
 Prepared by:   &  7/14/2010






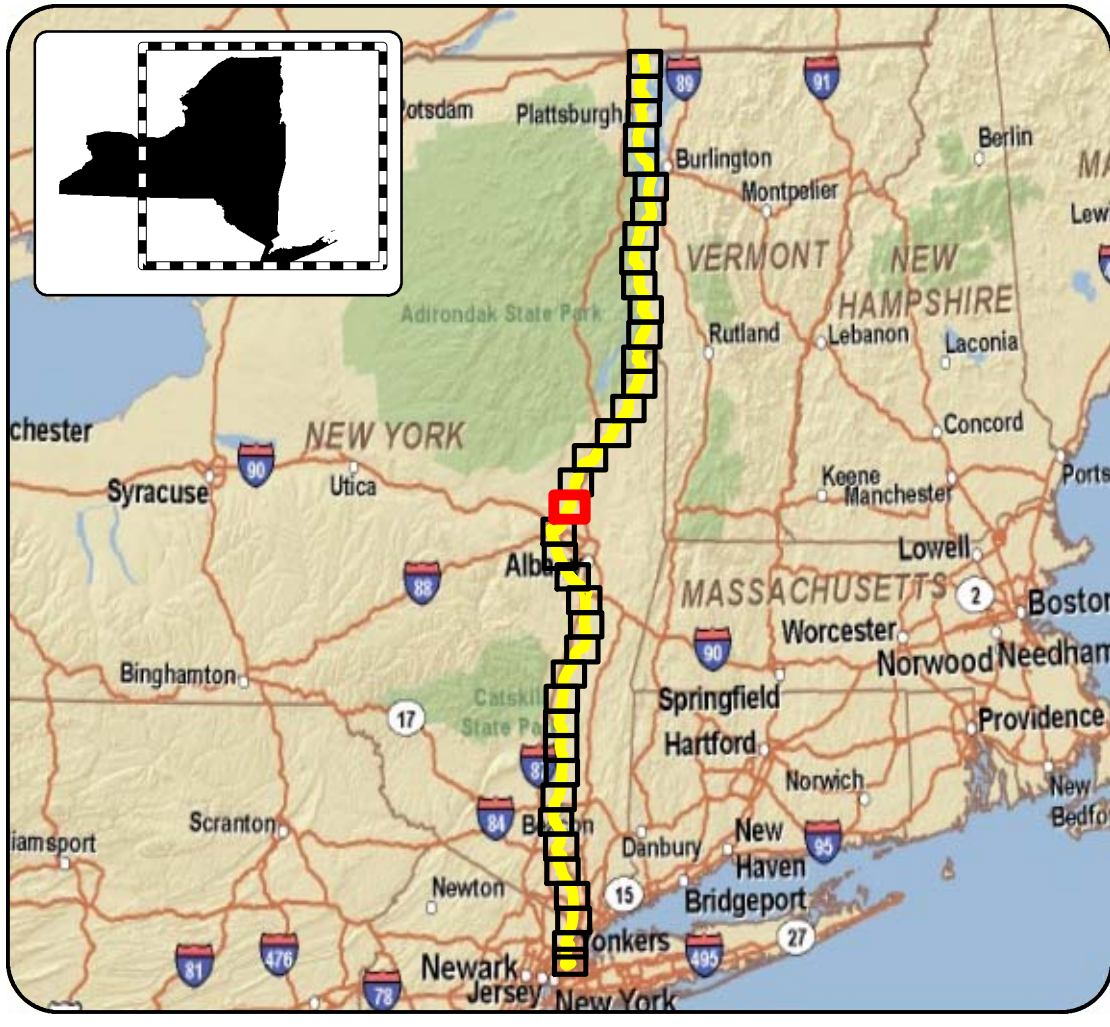
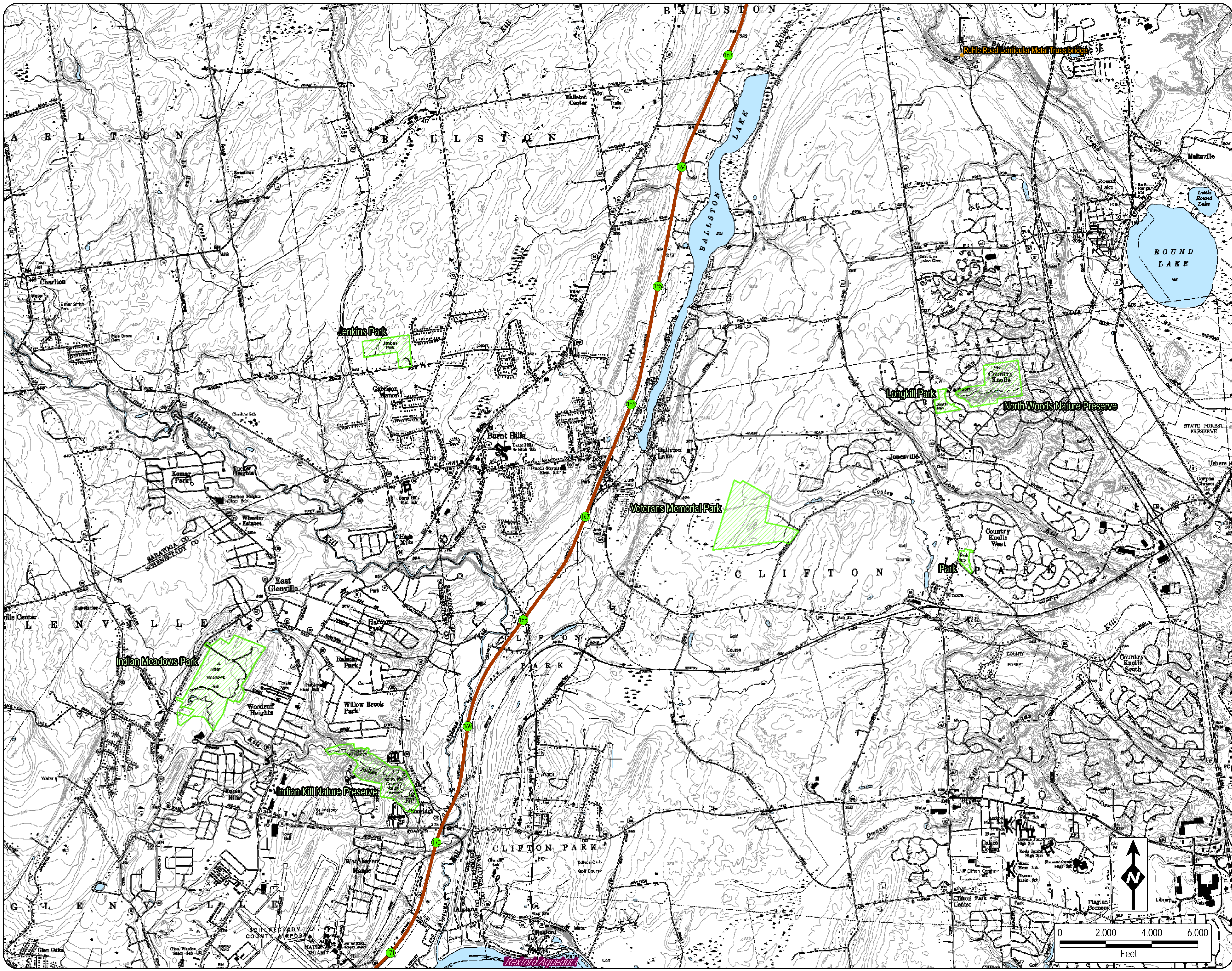
**LEGEND**

- Underwater Route
- CP/CSX Railroad ROW
- ..... Spur
- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
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**NOTES:**  
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 18 of 38  
 Prepared by: **FDR** | **DTA** & **TRC** 7/14/2010



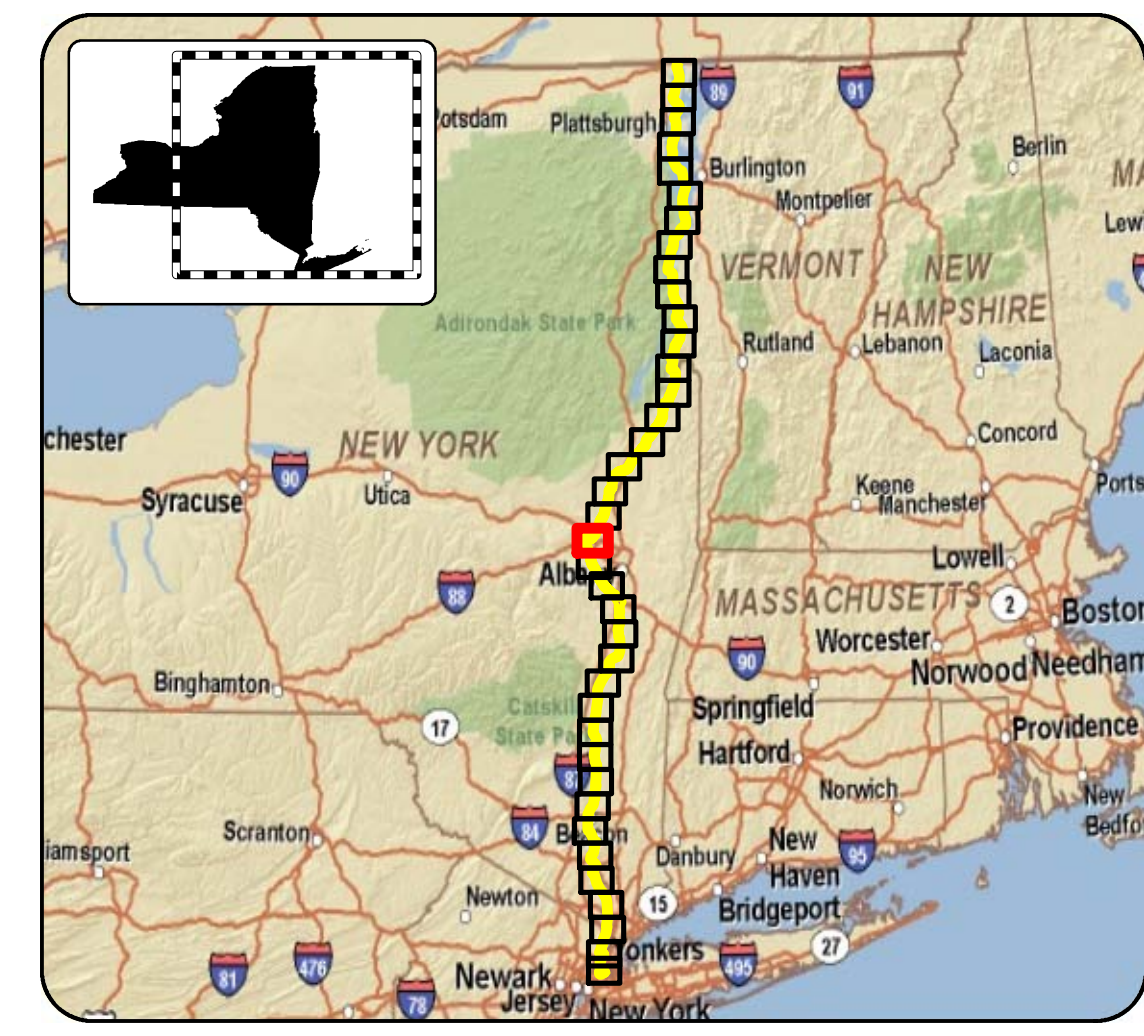
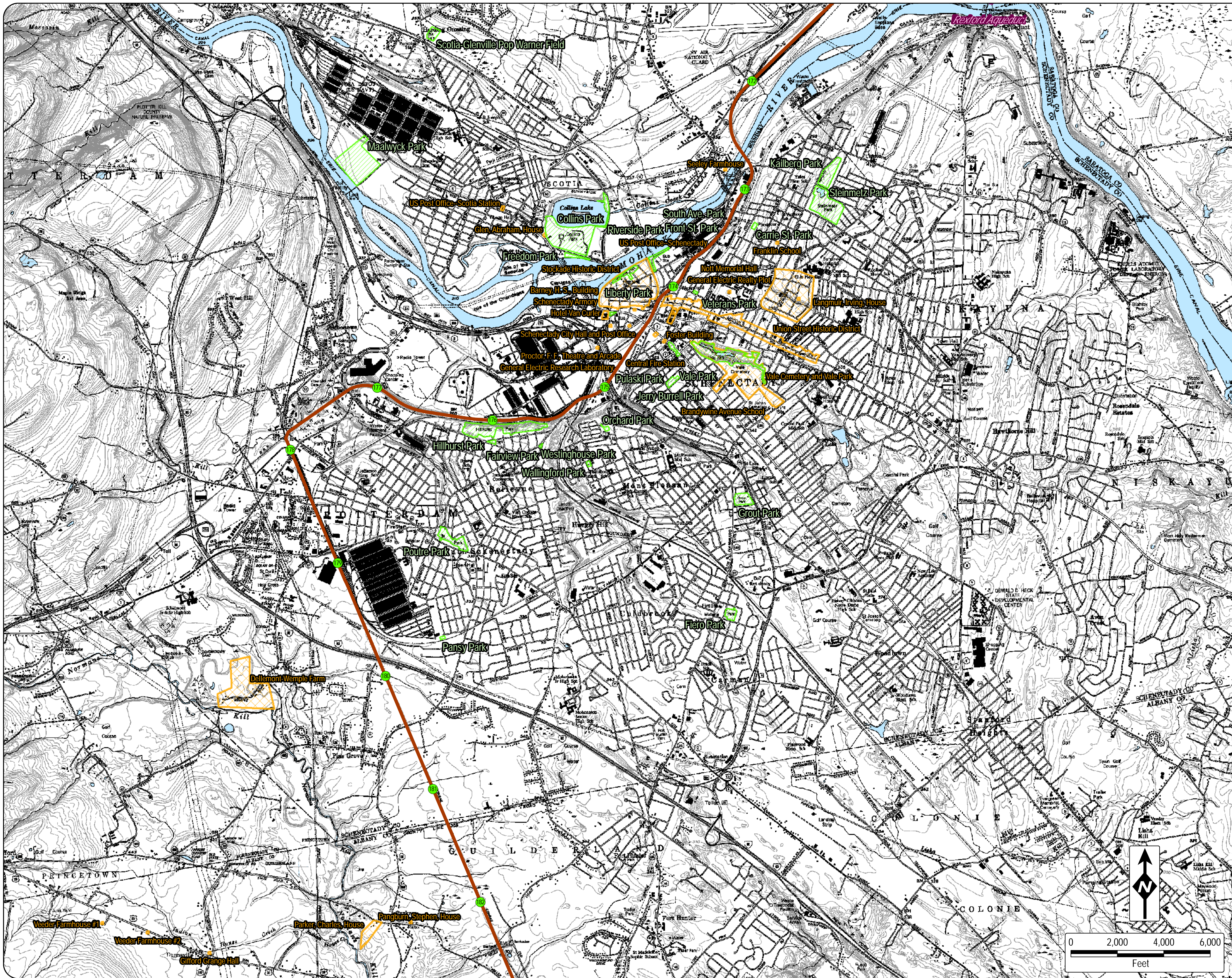
**LEGEND**

- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 19 of 38  
 Prepared by: & 7/14/2010



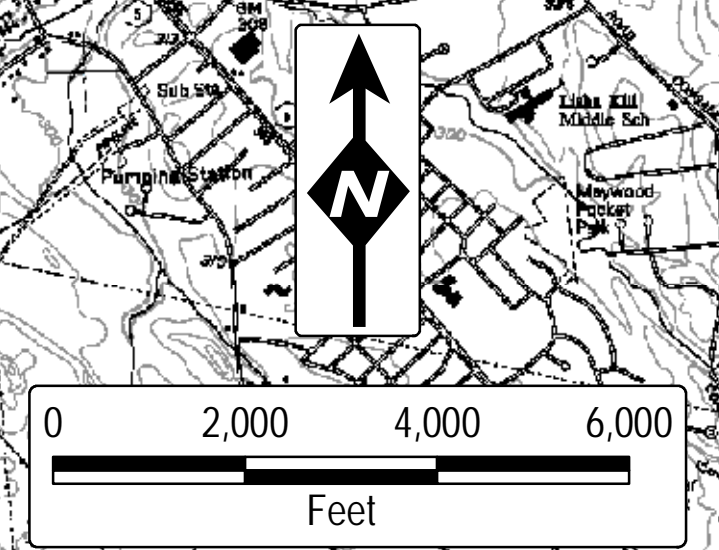
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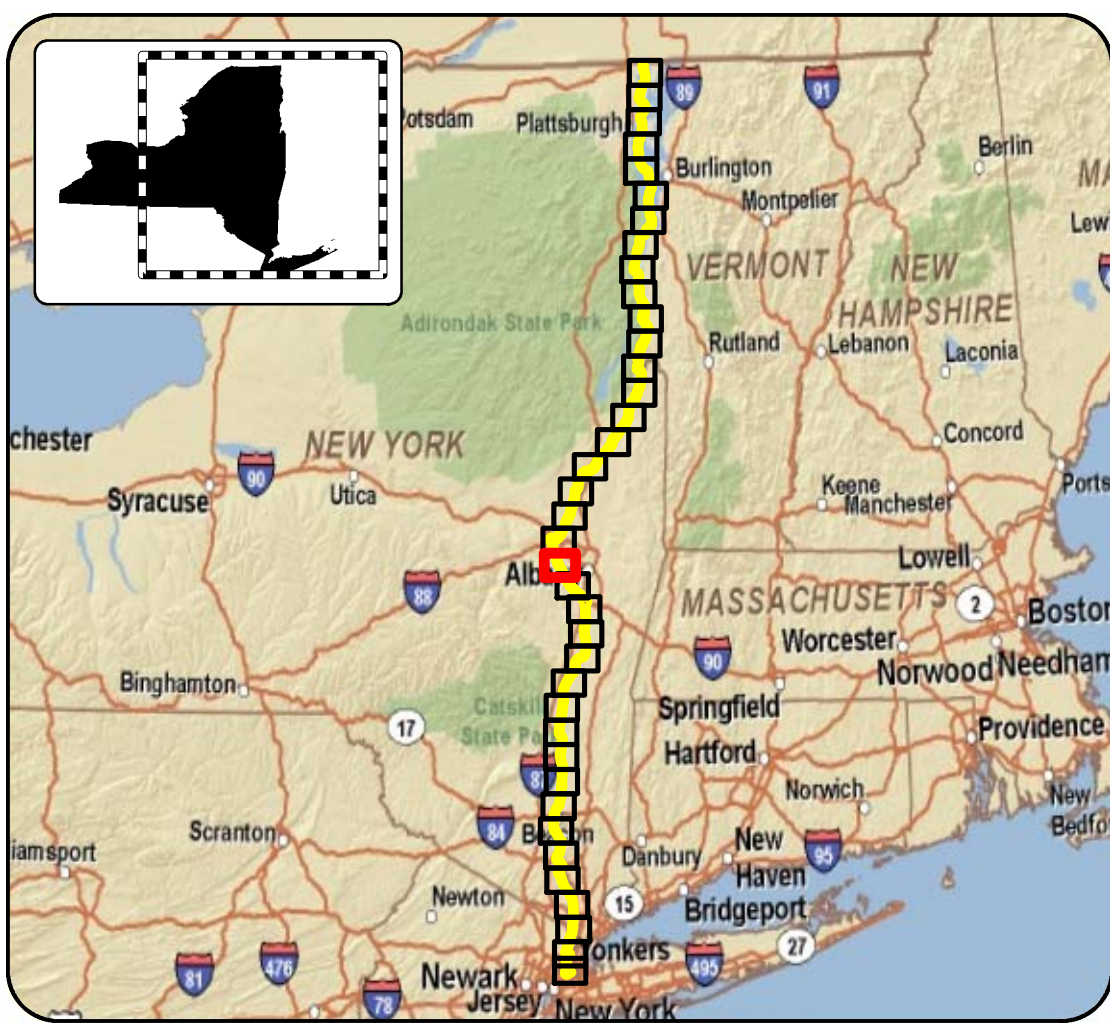
- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
- Yonkers Converter Station
- Mine
- Park
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- Untouched Wilderness
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**NOTES:**  
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 20 of 38  
 Prepared by: & 7/14/2010





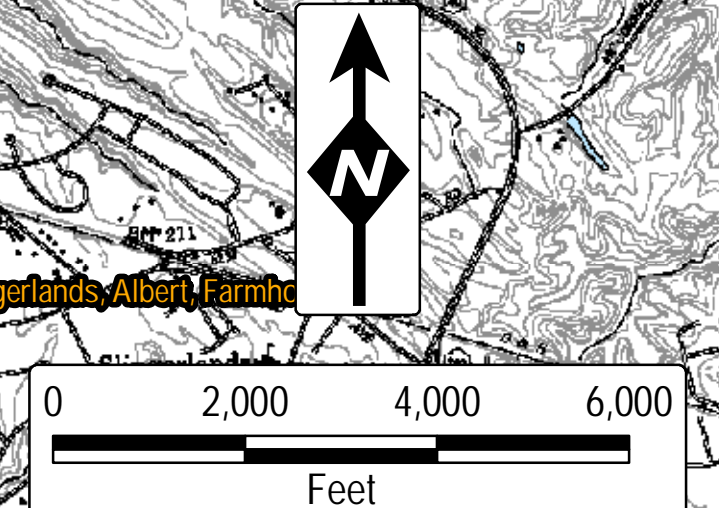
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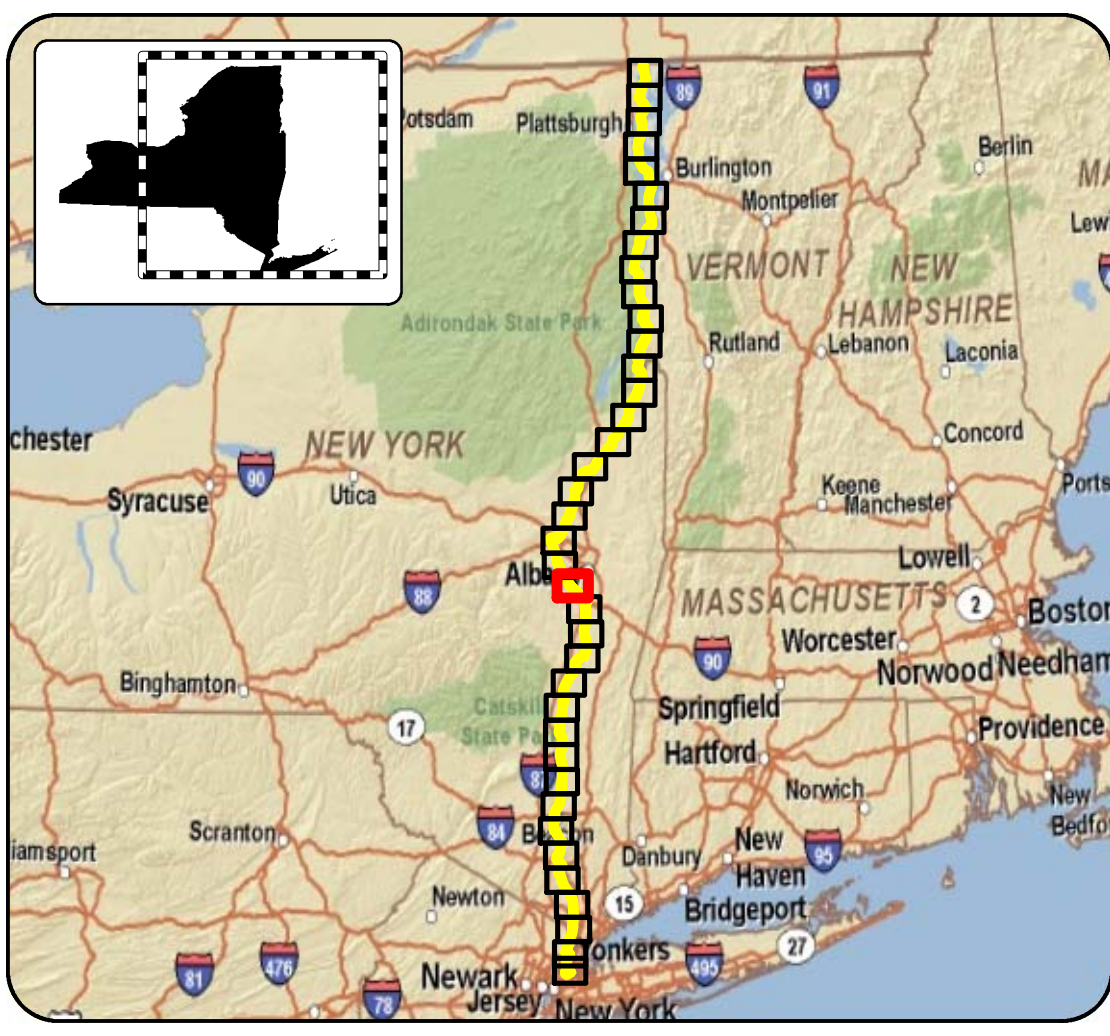
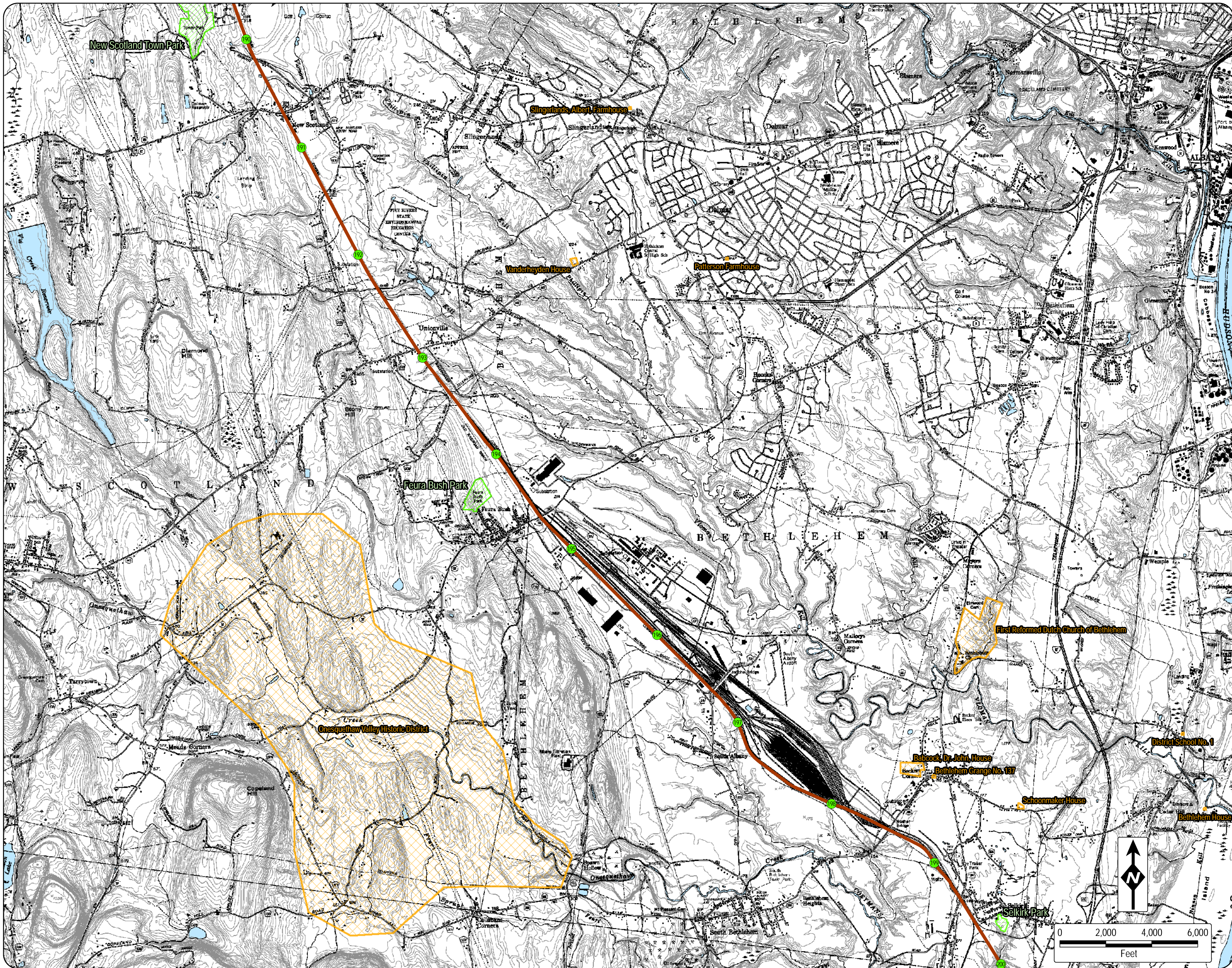
- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
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**DATA SOURCES:**  
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**NOTES:**  
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 2. Width of Cable Route lines are not drawn to scale.

**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 21 of 38  
 Prepared by: & 7/14/2010





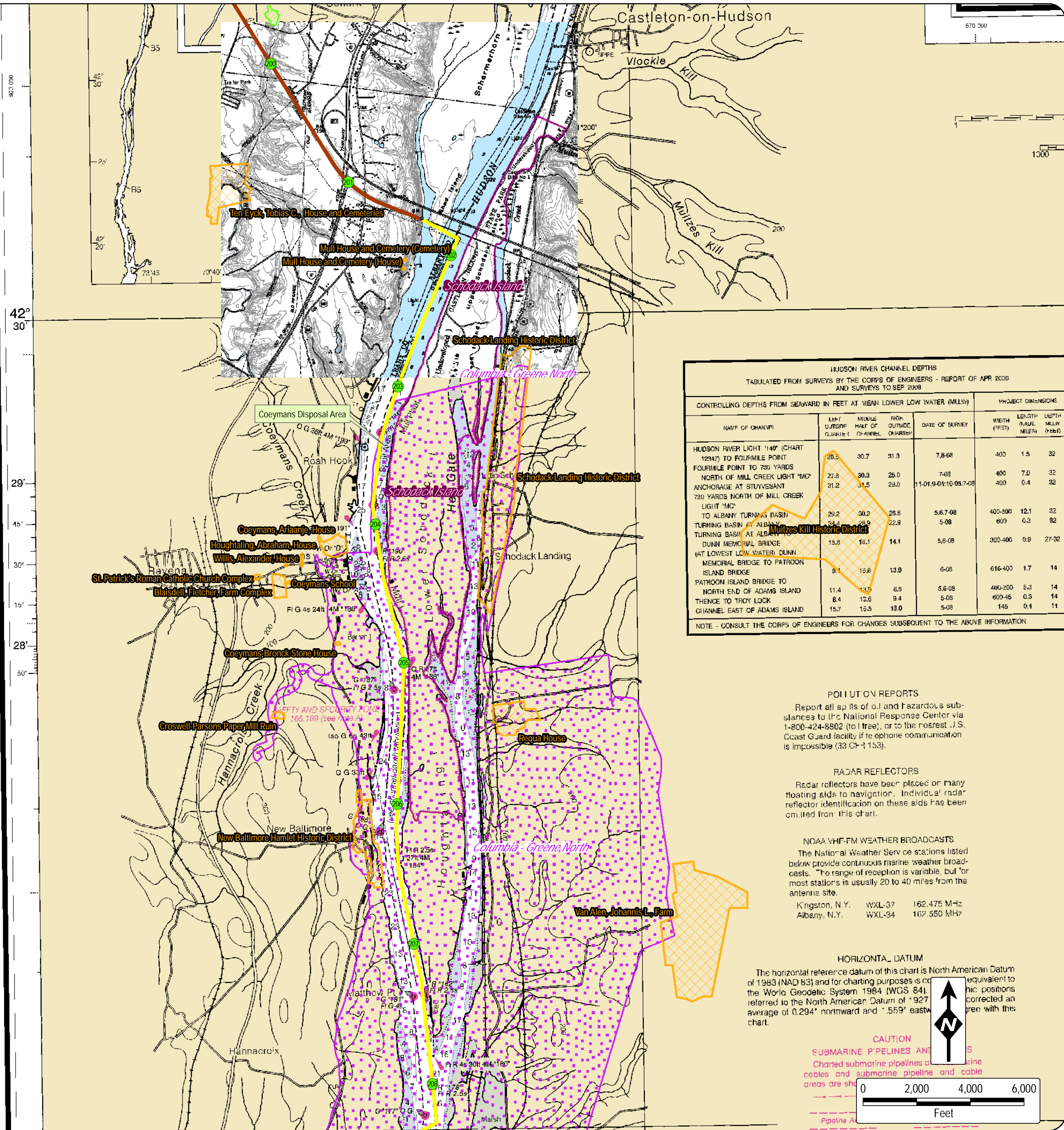
**LEGEND**

- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
- Yonkers Converter Station
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**DATA SOURCES:**  
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**NOTES:**  
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 22 of 38  
 Prepared by: & 7/14/2010



HUDSON RIVER CHANNEL DEPTHS  
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 2006  
AND SURVEYS TO SEP 2009

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)			DATE OF SURVEY	PROJECT DIMENSIONS		
	LEFT OUTSIDE CHANNEL	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE CHANNEL		WIDTH (FEET)	LENGTH (NAUTICAL MILES)	DEPTH (FEET)
HUDSON RIVER LIGHT 140' (CHART 12947) TO FOURMILE POINT	26.5	30.7	31.3	7-8-08	400	1.5	32
FOURMILE POINT TO 750 YARDS NORTH OF MILL CREEK LIGHT 140'	27.3	30.3	25.0	7-08	400	7.0	32
ANCHORAGE AT STUYVESANT 750 YARDS NORTH OF MILL CREEK LIGHT 140'	31.2	31.5	29.0	11-01-04;10-05-7-08	400	0.4	32
TO ALBANY TURNING BASIN	29.2	30.0	28.8	5-6-7-08	400-800	12.1	32
TURNING BASIN AT ALBANY	24.3	26.9	22.9	5-08	600	0.3	32
TURNING BASIN AT ALBANY TO DUNN MEMORIAL BRIDGE	15.3	15.1	14.1	5-8-08	300-400	0.9	27-32
(AT LOWEST LOW WATER) DUNN MEMORIAL BRIDGE TO PATROON ISLAND BRIDGE	9.1	15.6	13.9	6-08	616-400	1.7	14
PATROON ISLAND BRIDGE TO NORTH END OF ADAMS ISLAND	11.4	13.9	6.5	5-6-08	400-200	5.3	14
THENCE TO TROY LOCK	8.4	13.6	9.4	5-08	600-45	0.3	14
CHANNEL EAST OF ADAMS ISLAND	15.7	15.5	13.0	5-08	145	0.4	11

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

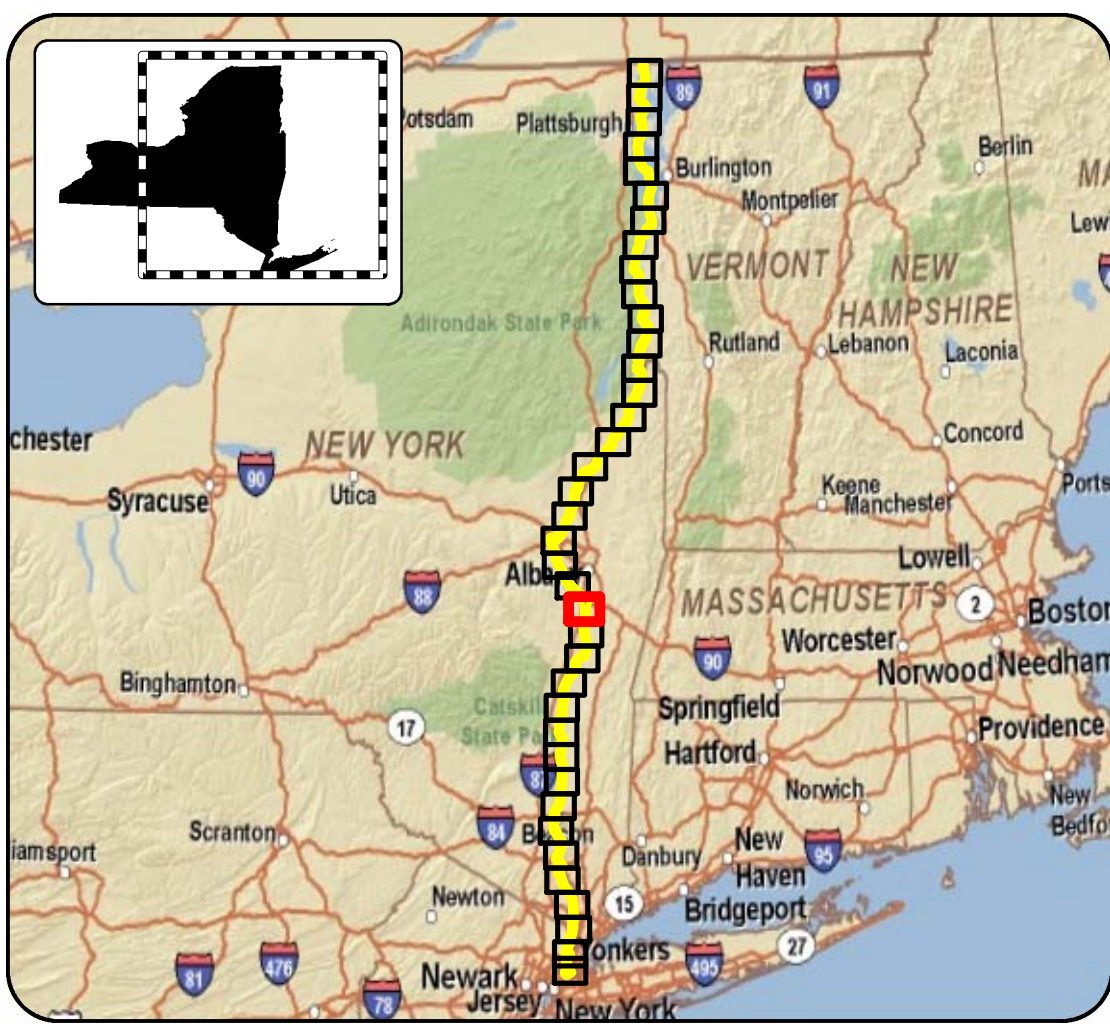
**POLLUTION REPORTS**  
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

**RADAR REFLECTORS**  
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

**NOAA VHF-FM WEATHER BROADCASTS**  
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.  
Kingston, N.Y. WXL-37 162.475 MHz  
Albany, N.Y. WXL-34 162.550 MHz

**HORIZONTAL DATUM**  
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) and for charting purposes is equivalent to the World Geodetic System 1984 (WGS 84), referred to the North American Datum of 1927 corrected an average of 0.294' northward and 1.559' eastward from this chart.

**CAUTION**  
SUBMARINE PIPELINES AND CABLES  
Charted submarine pipelines and cables and submarine pipeline and cable areas are shown in this chart.



**LEGEND**

- Underwater Route
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- Spur
- Milepost
- Poletti Substation
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- Mine
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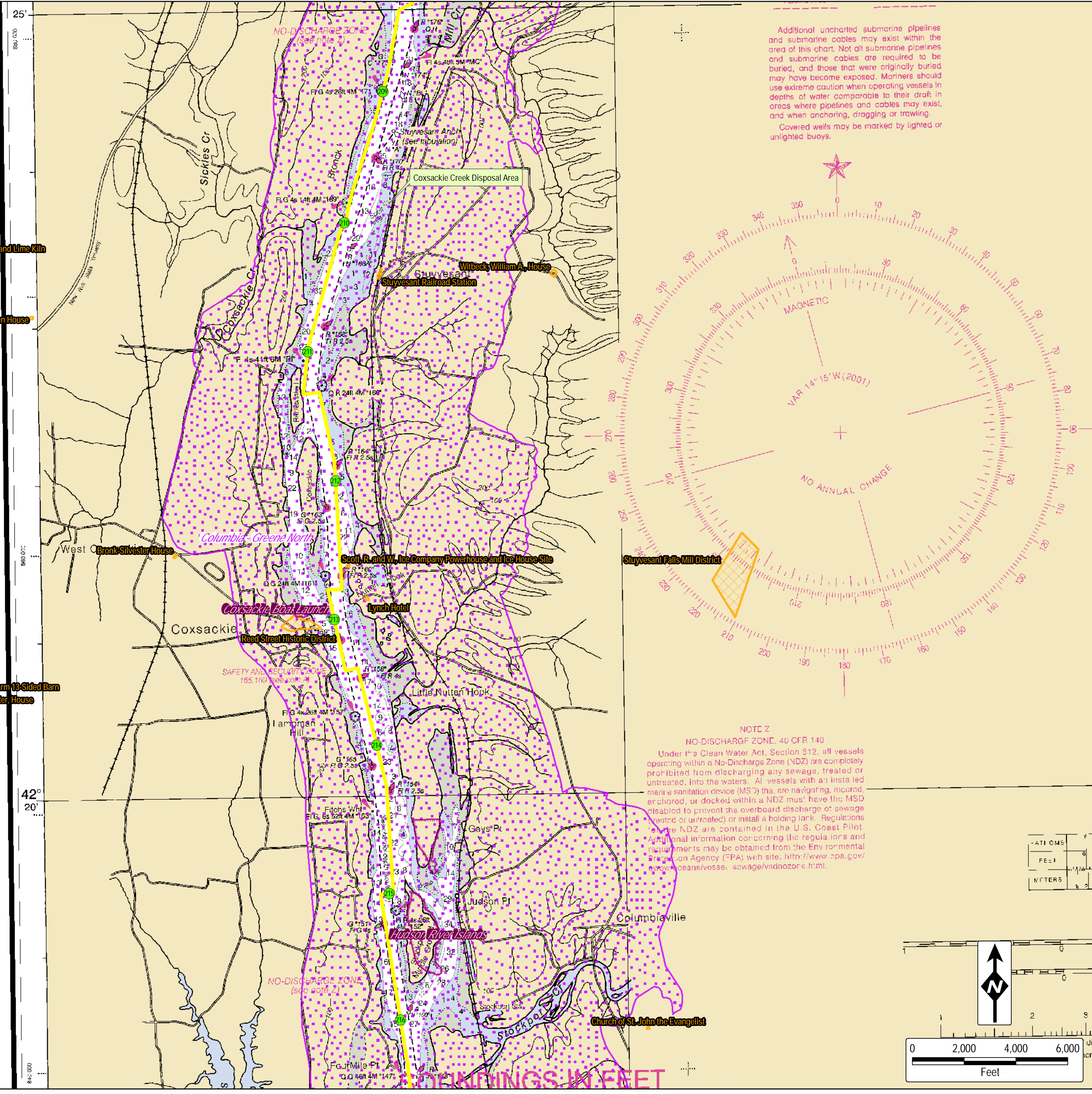
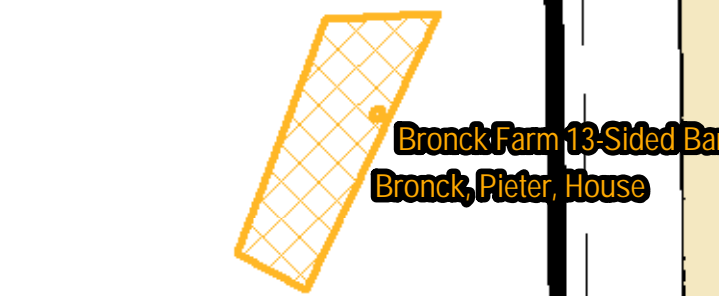
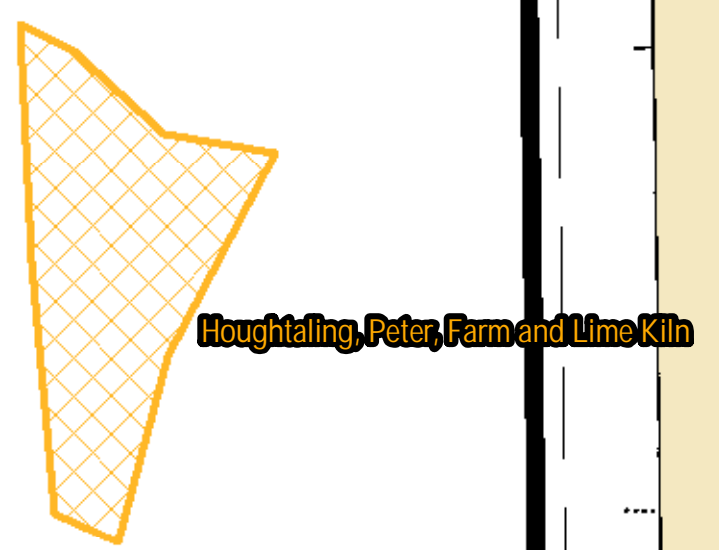
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**NOTES:**  
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*

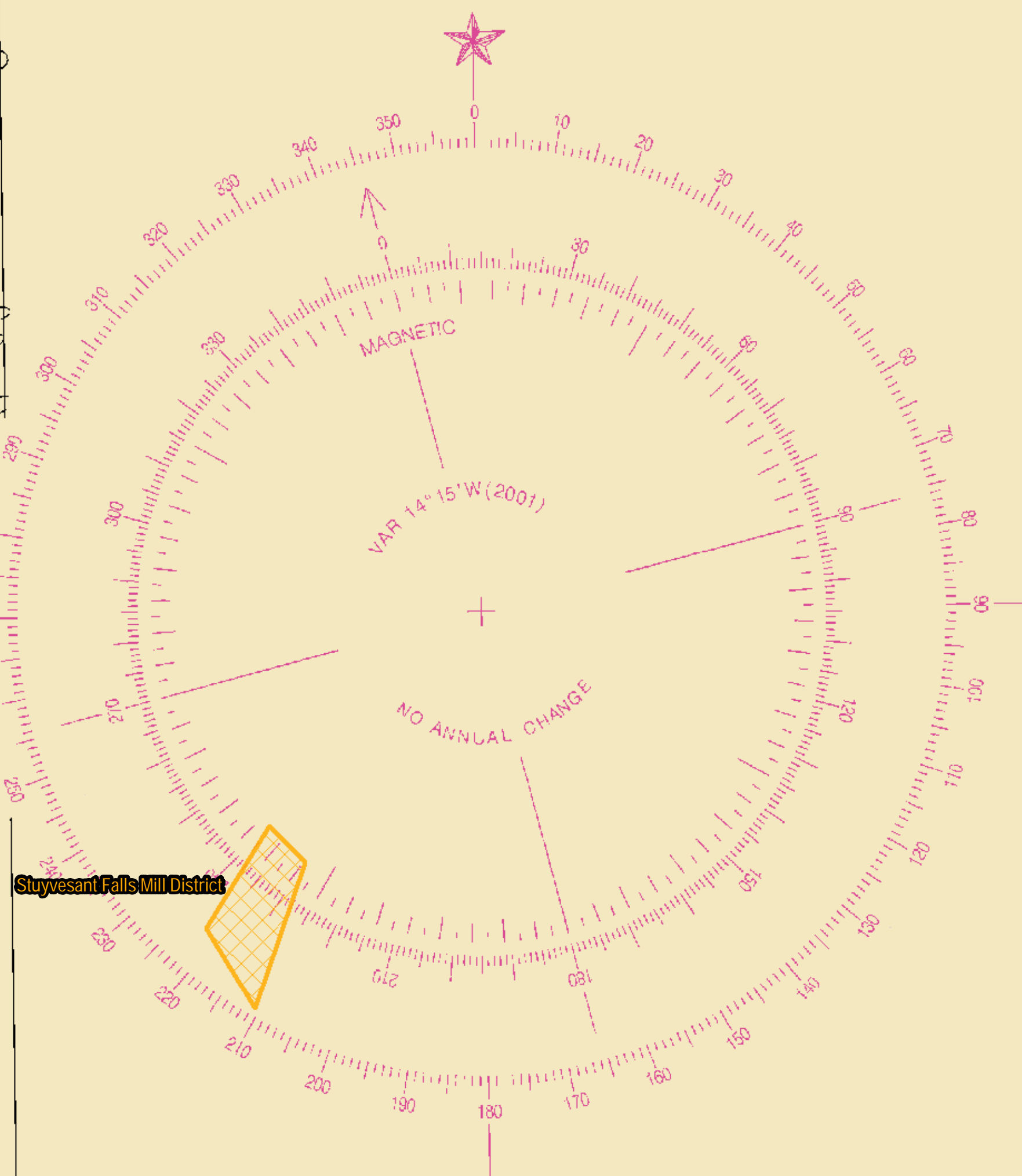
Figure 2.1-2  
**Location of Facilities**  
on NOAA/NYS DOT Mapping  
Sheet 23 of 38

Prepared by: & 7/14/2010

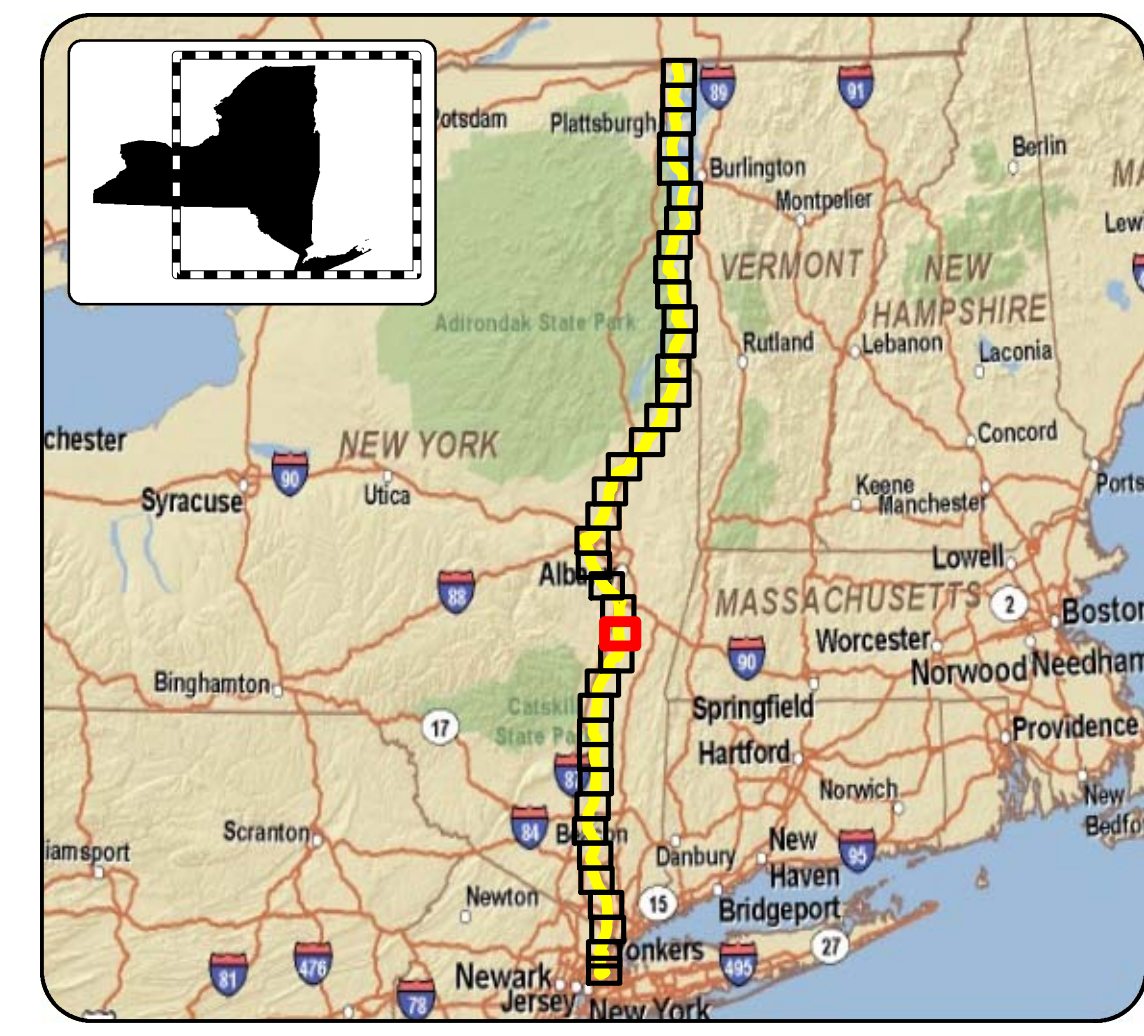
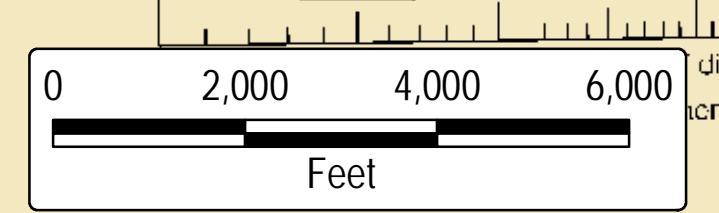
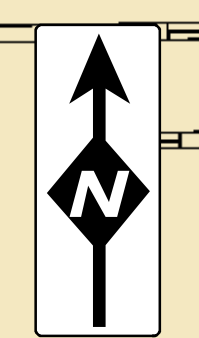
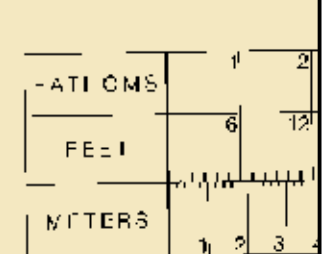


Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging or trawling.

Covered wells may be marked by lighted or unlighted buoys.



**NOTE 2**  
**NO-DISCHARGE ZONE, 40 CFR 140**  
 Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: [http://www.epa.gov/owow/ceans/vessel\\_sewage/vsdnozone.html](http://www.epa.gov/owow/ceans/vessel_sewage/vsdnozone.html).



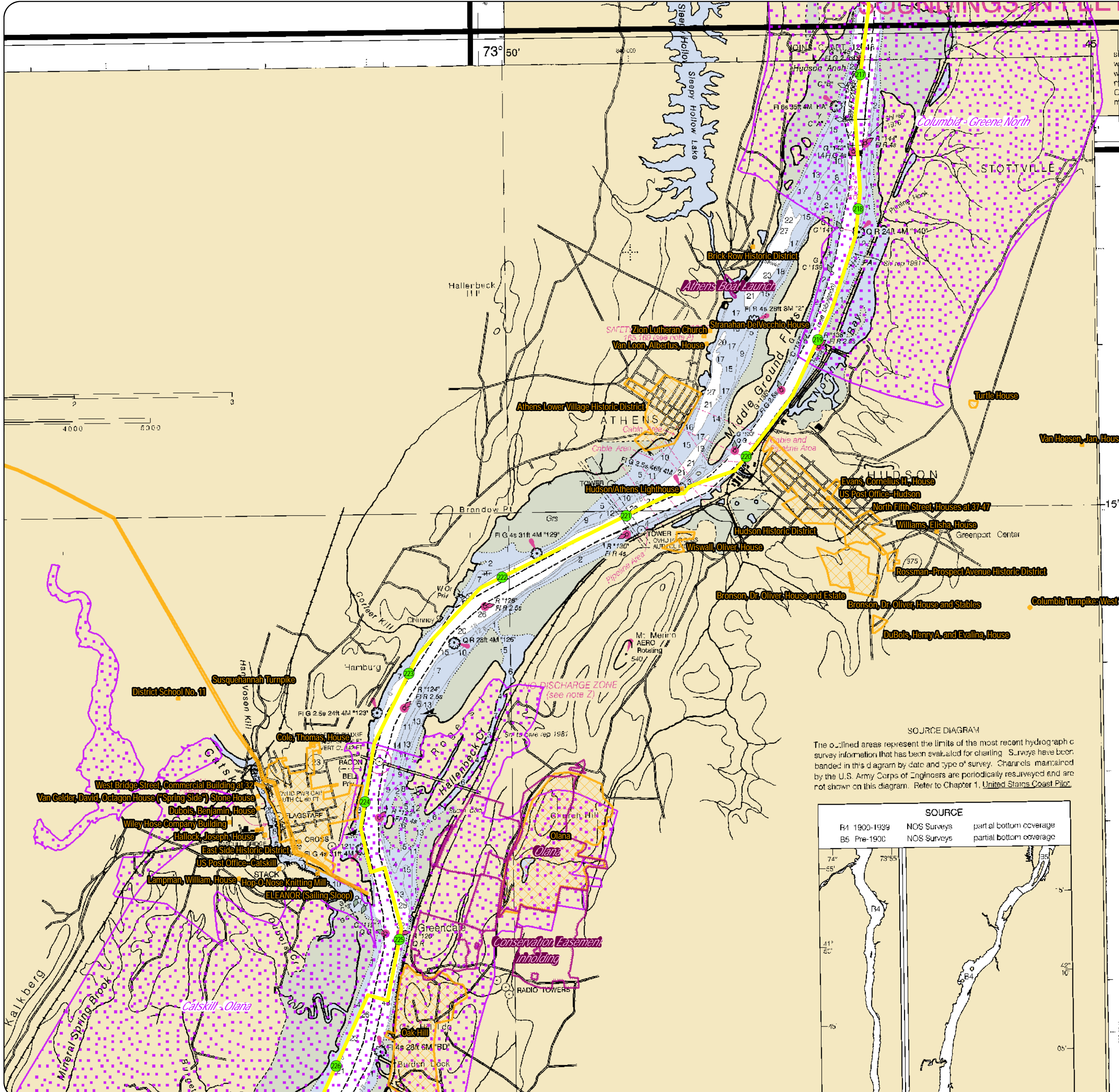
### LEGEND

- Underwater Route
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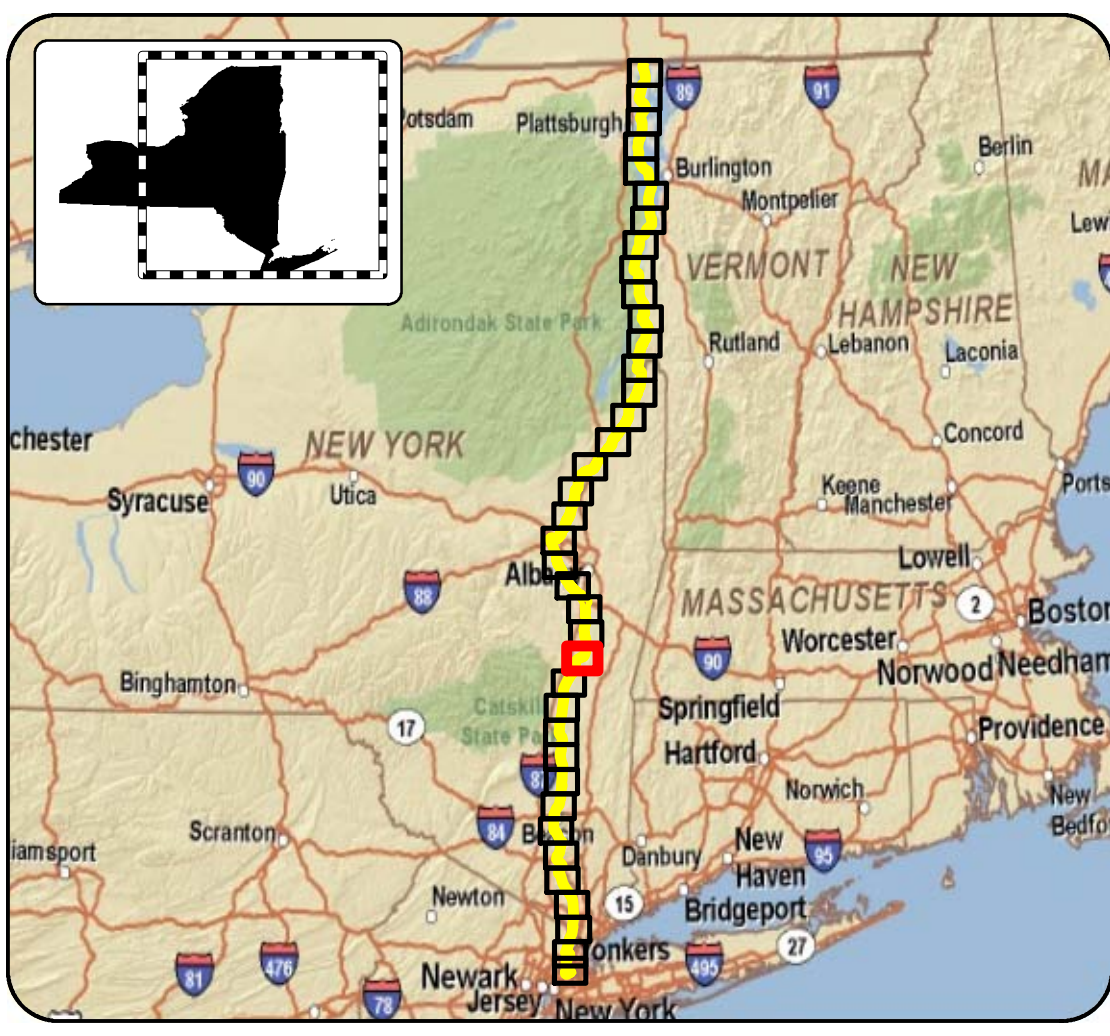
**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 24 of 38  
 Prepared by: & 7/14/2010



CAUTION  
 POTABLE WATER INTAKE  
 Persons operating in fresh water lakes or rivers should not discharge sewage, or ballast, or bilge water into areas adjacent to domestic water intakes as are designated by the Commission on Food and Drugs (21 CFR 1250.93). Consult U.S. Coast Pilot 6 for important supplemental information.

CAUTION  
 Mariners are warned of the protective riprap navigational light structure thus:

Published at Washington, D.C.  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
 NATIONAL OCEAN SERVICE  
 COAST SURVEY



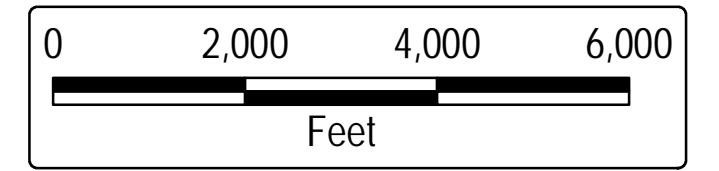
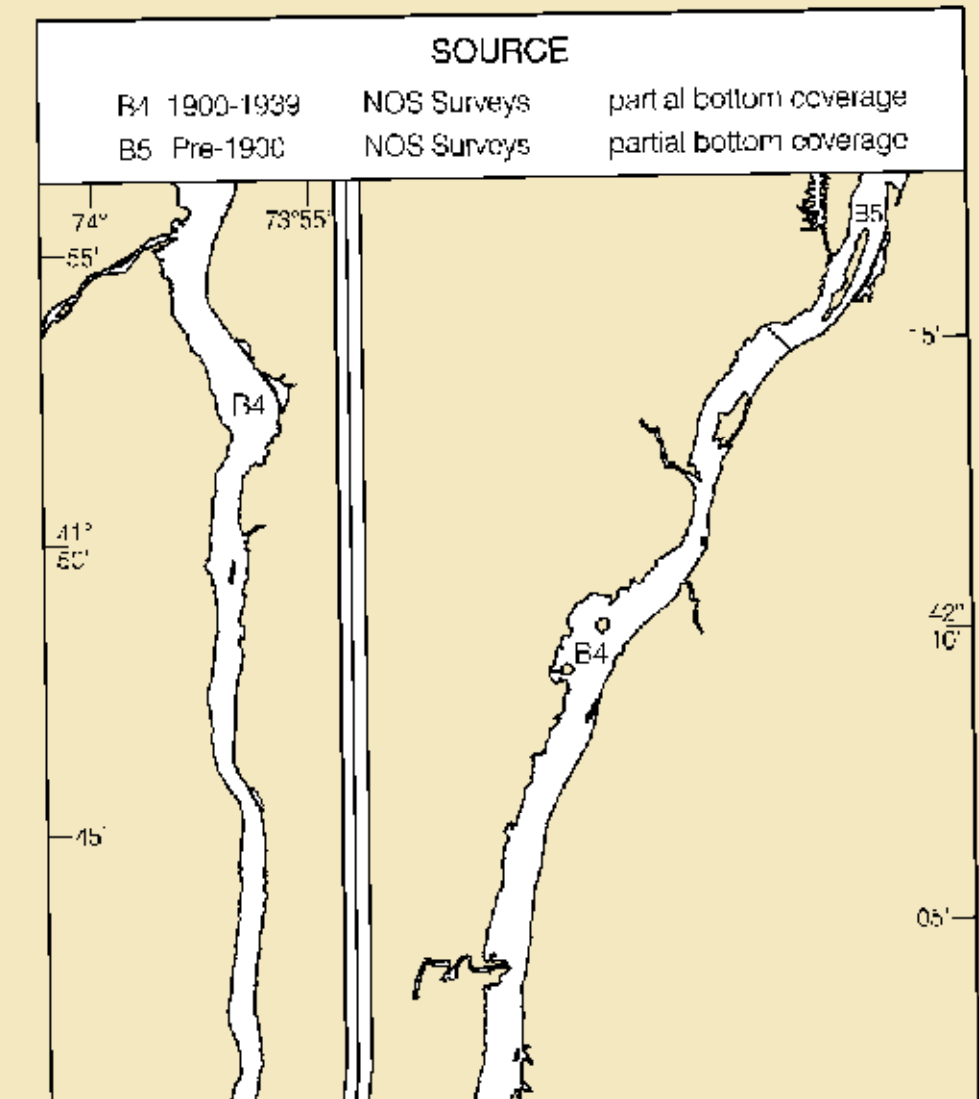
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 2. Width of Cable Route lines are not drawn to scale.

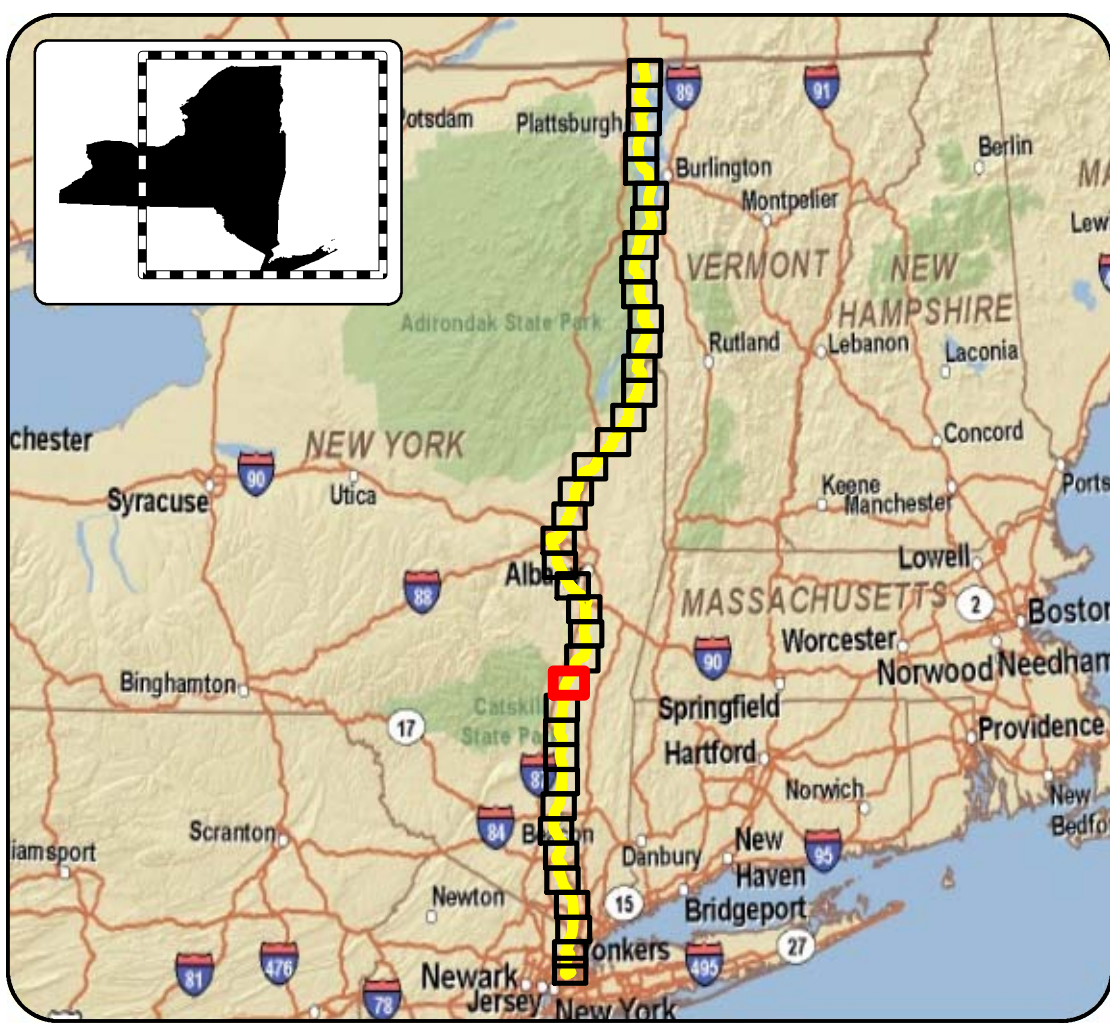
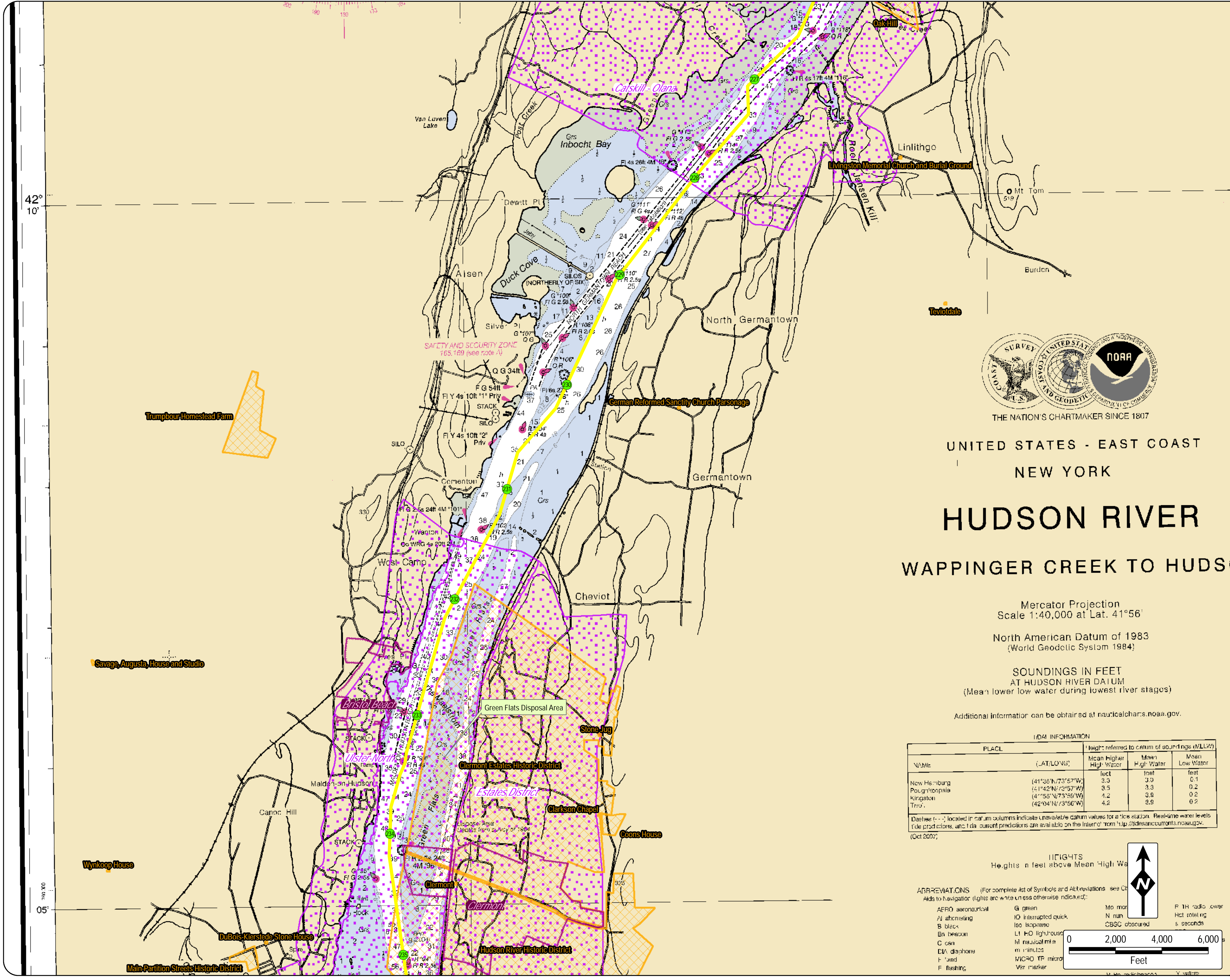
**SOURCE DIAGRAM**  
 The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for clearing. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.



**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*

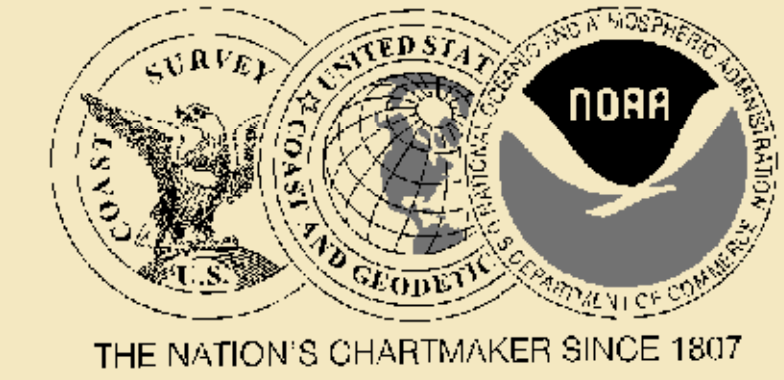
Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 25 of 38

Prepared by: & 7/14/2010



### LEGEND

- Underwater Route
- CP/CSX Railroad ROW
- Spur
- Milepost
- Poletti Substation
- Yonkers Converter Station
- Mine
- Park
- State Park
- Untouched Wilderness
- Historic Site
- Scenic Area



UNITED STATES - EAST COAST  
NEW YORK

# HUDSON RIVER

## WAPPINGER CREEK TO HUDSON

Mercator Projection  
Scale 1:40,000 at Lat. 41°56'  
North American Datum of 1983  
(World Geodetic System 1984)

SOUNDINGS IN FEET  
AT HUDSON RIVER DATUM  
(Mean lower low water during lowest river stages)

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

IDA INFORMATION

PLACEL	NAME	(LAT/LON)	Mean Higher High Water	Mean High Water	Mean Low Water
	New Hamburg	(41°35'N/73°57'W)	3.0	3.0	0.1
	Poughkeepsie	(41°42'N/73°57'W)	3.5	3.3	0.2
	Kingston	(41°55'N/73°35'W)	4.2	3.8	0.2
	Troy	(42°04'N/73°56'W)	4.2	3.8	0.2

Dashes (- -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels (tide predictions, and tidal current predictions are available on the Internet at <http://tidesandcurrents.noaa.gov> (Oct 2007).

HEIGHTS  
Heights in feet above Mean High Water

ABBREVIATIONS (For complete list of Symbols and Abbreviations see Chart Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo moored	RH radio tower
AJ alternating	IO interrupted quick	N nun	Rot rotating
B black	leo lighthouse	OBSC obscured	s seconds
Bn beacon	LI light house		
C can	M nautical mile		
DA diaphane	m minutes		
F fixed	MICRO TP micro		
F flashing	Wk marker		

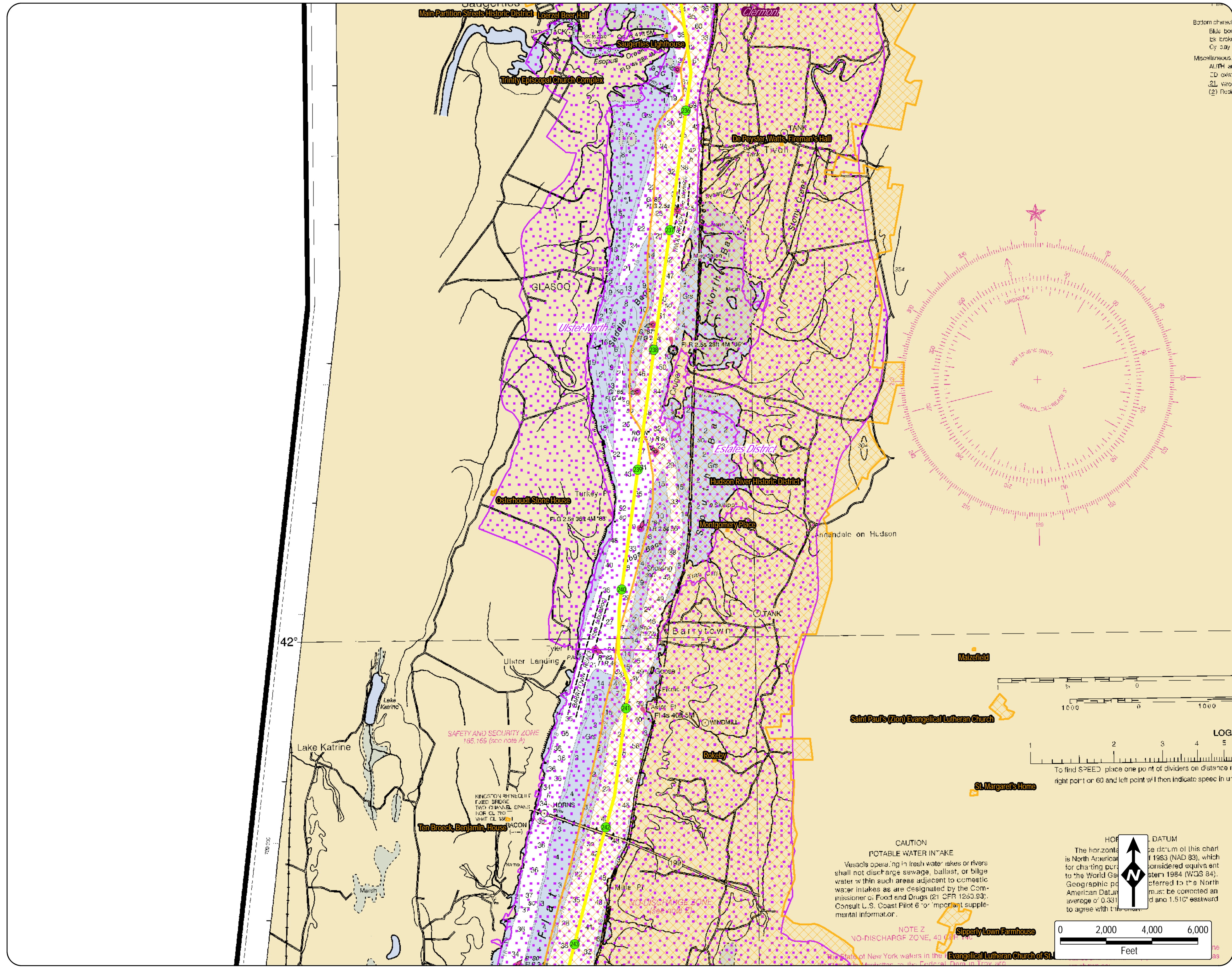
DATA SOURCES:  
NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

NOTES:  
1. NYS DOT 24K and NOAA basemaps  
2. Width of Cable Route lines are not drawn to scale.

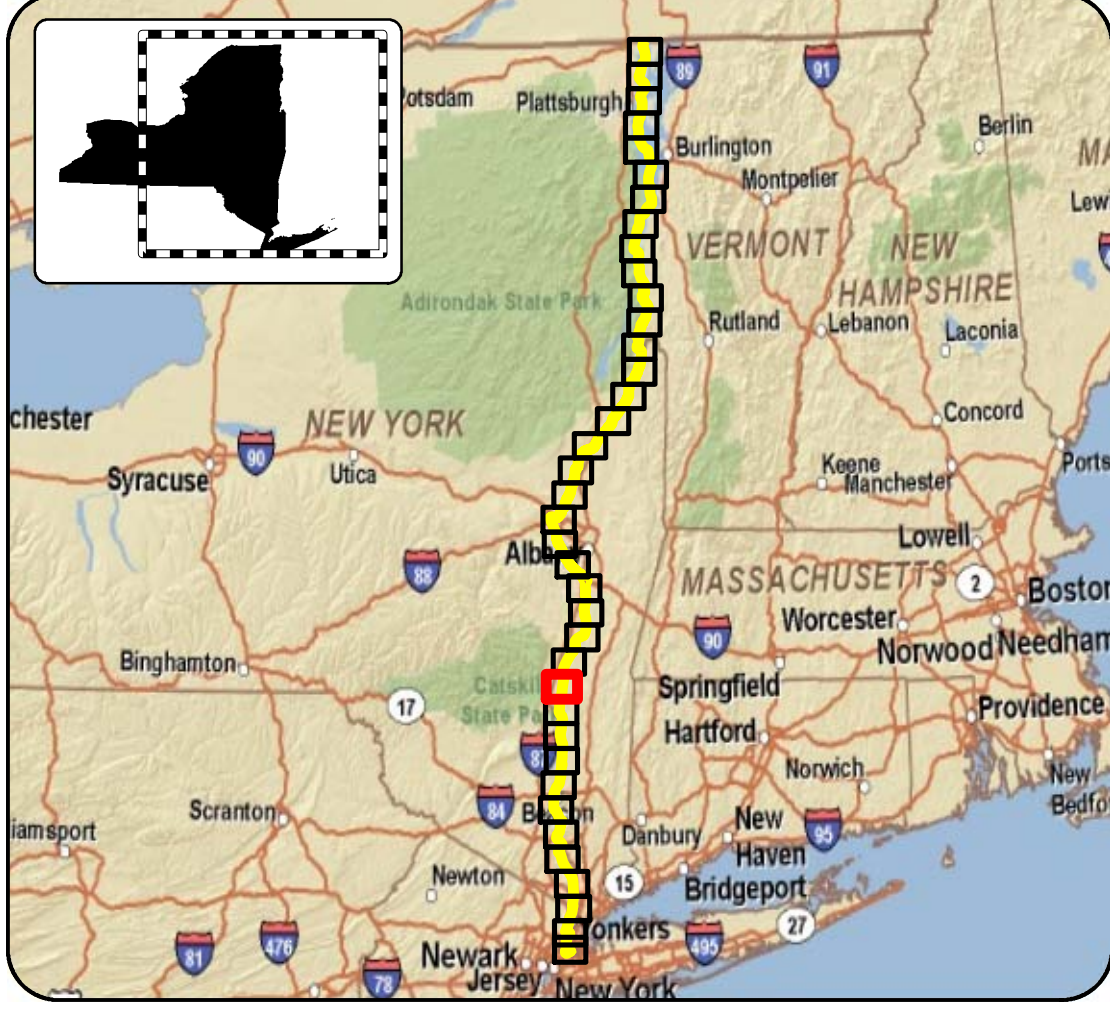
Champlain Hudson Power Express Project  
*Champlain Hudson Power Express Inc.*

Figure 2.1-2  
Location of Facilities  
on NOAA/NYS DOT Mapping  
Sheet 26 of 38

Prepared by: & 7/14/2010



Bottom character:  
Blue box  
Black circle  
Cyan bar  
Miscellaneous  
ALITH at  
CD oval  
21 Wind  
(2) Rock



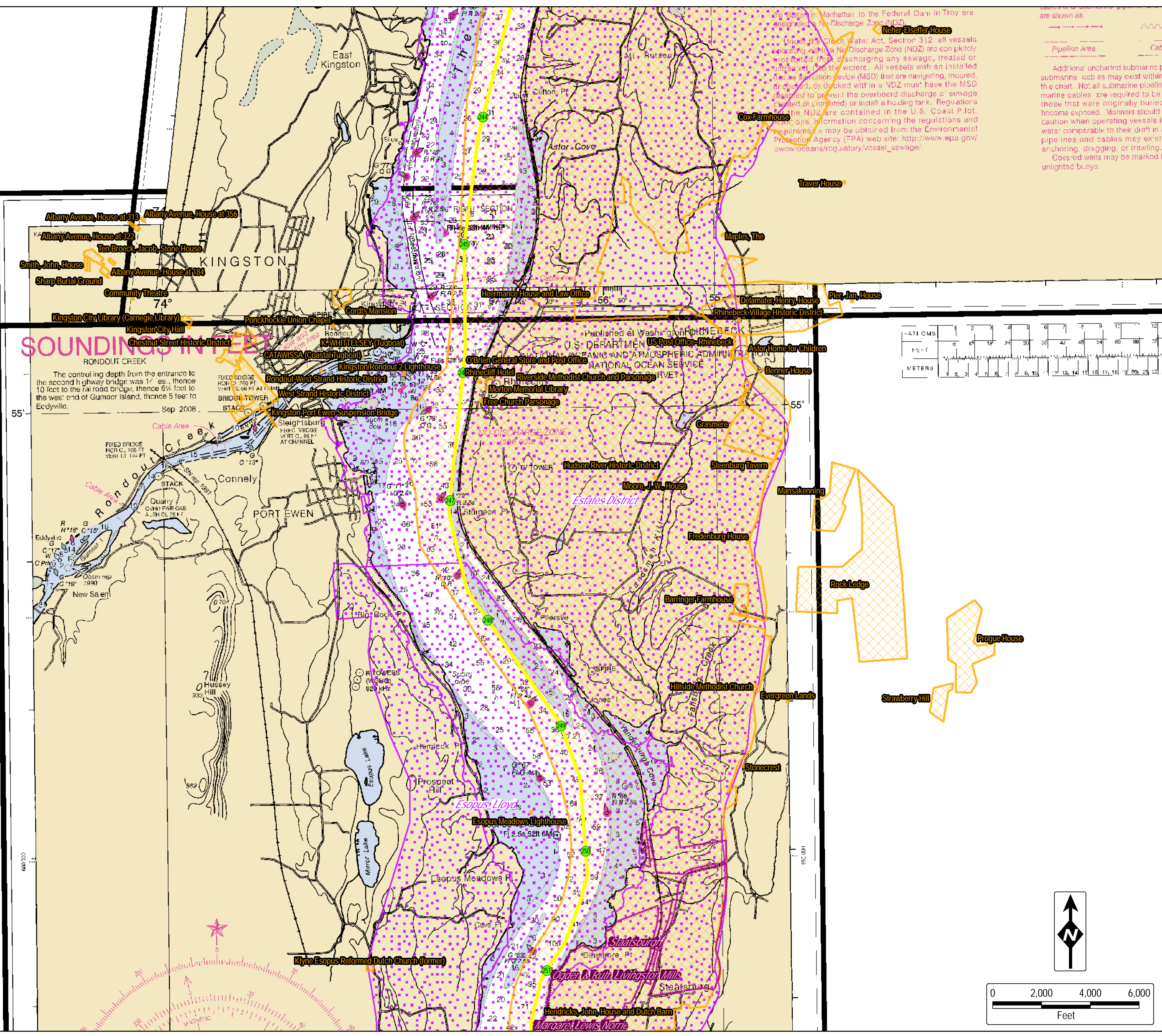
### LEGEND

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- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
- ★ Mine
- ▨ Park
- ▨ State Park
- ▨ Untouched Wilderness
- ▨ Historic Site
- ▨ Scenic Area

**DATA SOURCES:**  
NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 27 of 38  
 Prepared by: & 7/14/2010



to Mariners (NM) published by the Coast Guard district to the right hand corner are available at

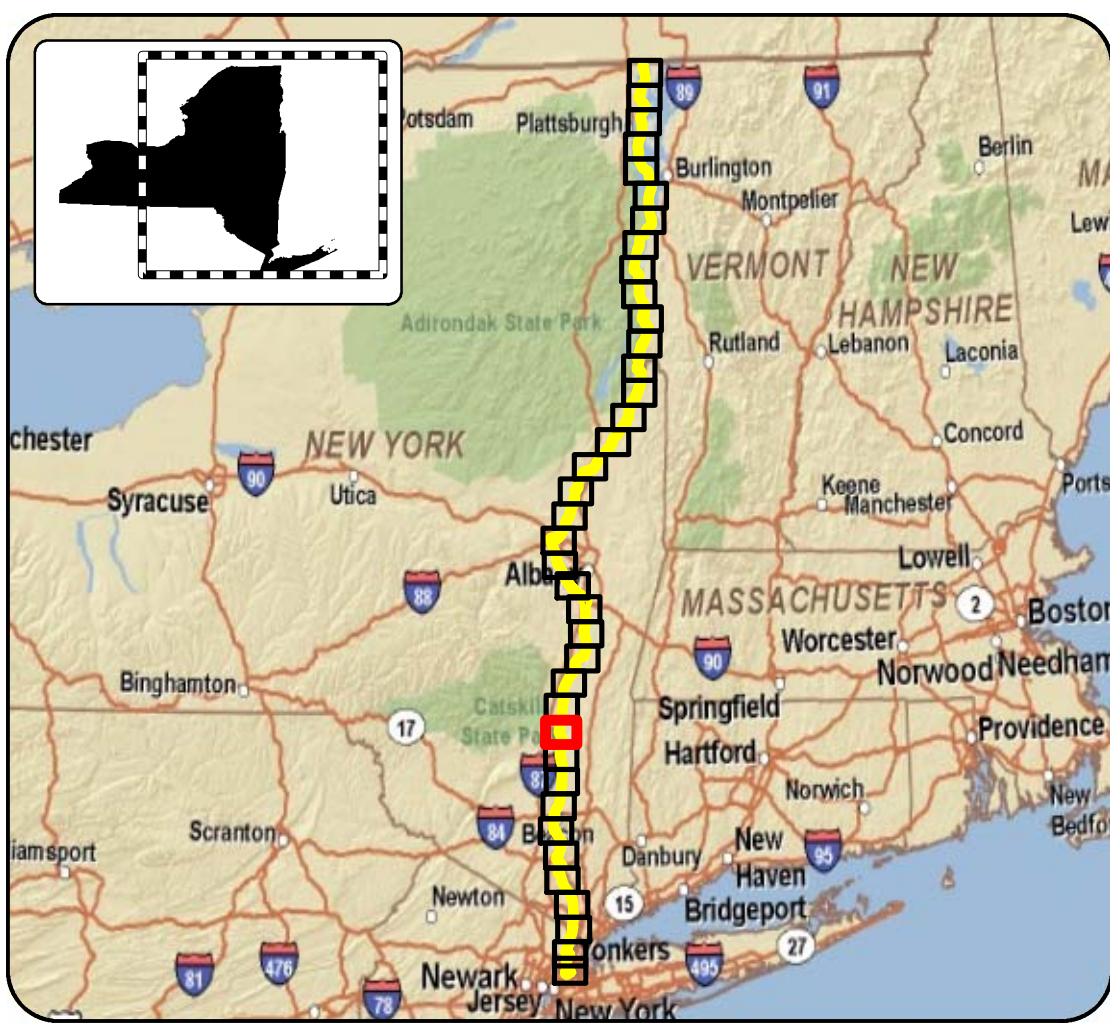
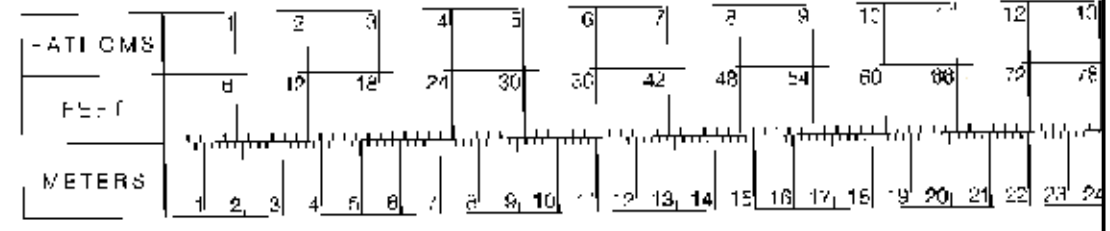
### SOUNDINGS IN FEET

The controlling depth from the entrance to the second highway bridge was 17 feet, thence 10 feet to the railroad bridge, thence 6 1/2 feet to the west end of Gumaer Island, thence 5 feet to Eddyville.

Sep 2008

Under the Clean Water Act, Section 312 all vessels discharging into a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed Marine Sanitation Device (MSD) that are navigating, moored, anchored, or docked with in a NDZ must have the MSD (designed to prevent the overboard discharge of sewage treated or untreated), or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. For more information concerning the regulations and equipment, you may obtain from the Environmental Protection Agency (EPA) web site: [http://www.epa.gov/owow/oceans/rcgulatory/vessel\\_sewage/](http://www.epa.gov/owow/oceans/rcgulatory/vessel_sewage/)

Additional uncharted submarine cables may exist within the chart. Not all submarine pipelines are required to be buried those that were originally buried but become exposed. Mariners should use caution when operating vessels in the water: comparable to their draft in areas pipelines and cables may exist, an anchoring, dragging, or trawling. Covered wells may be marked by lighted buoys.







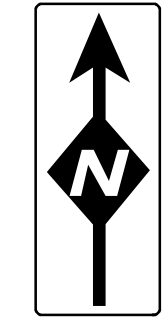
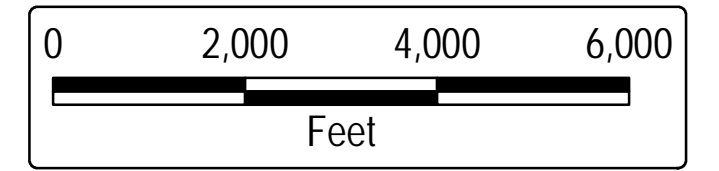
### LEGEND

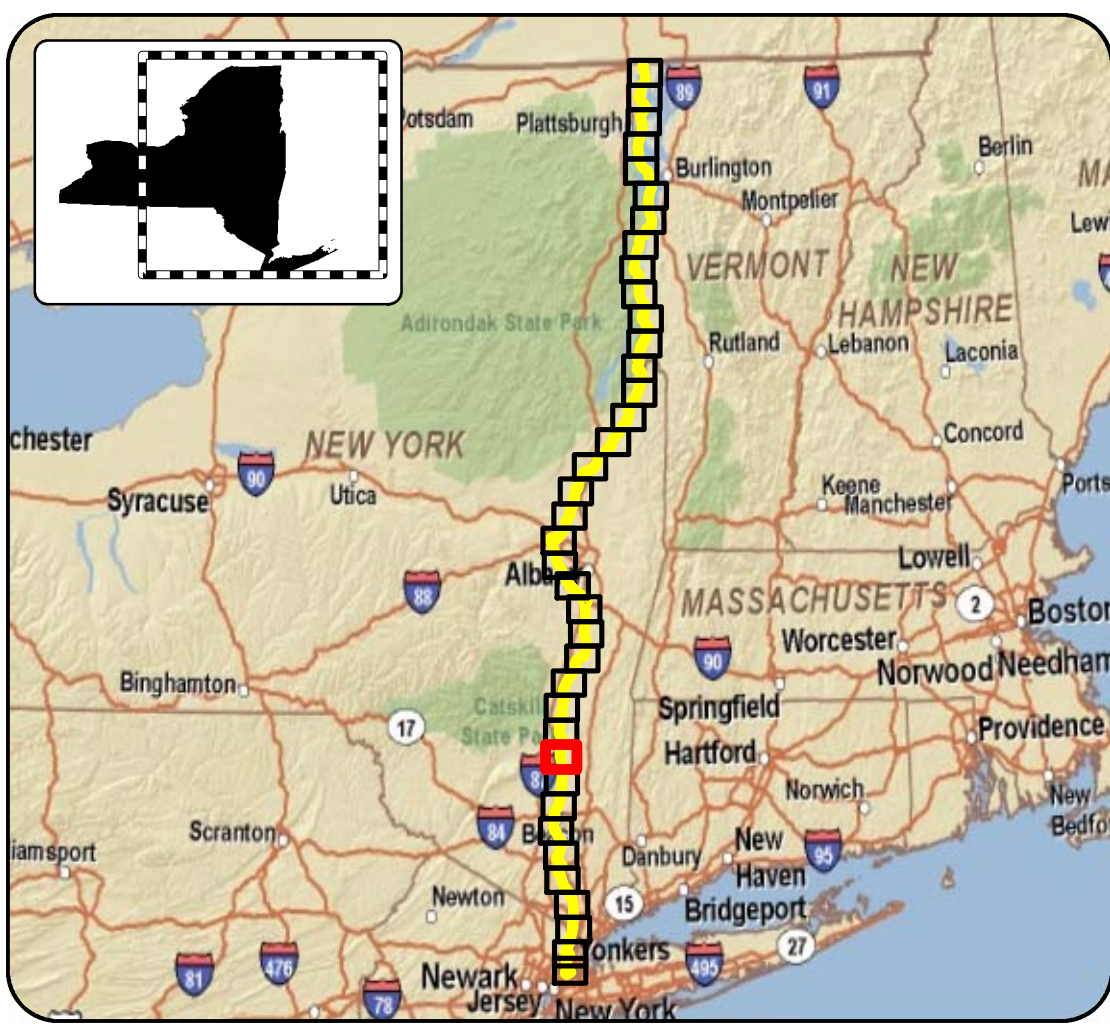
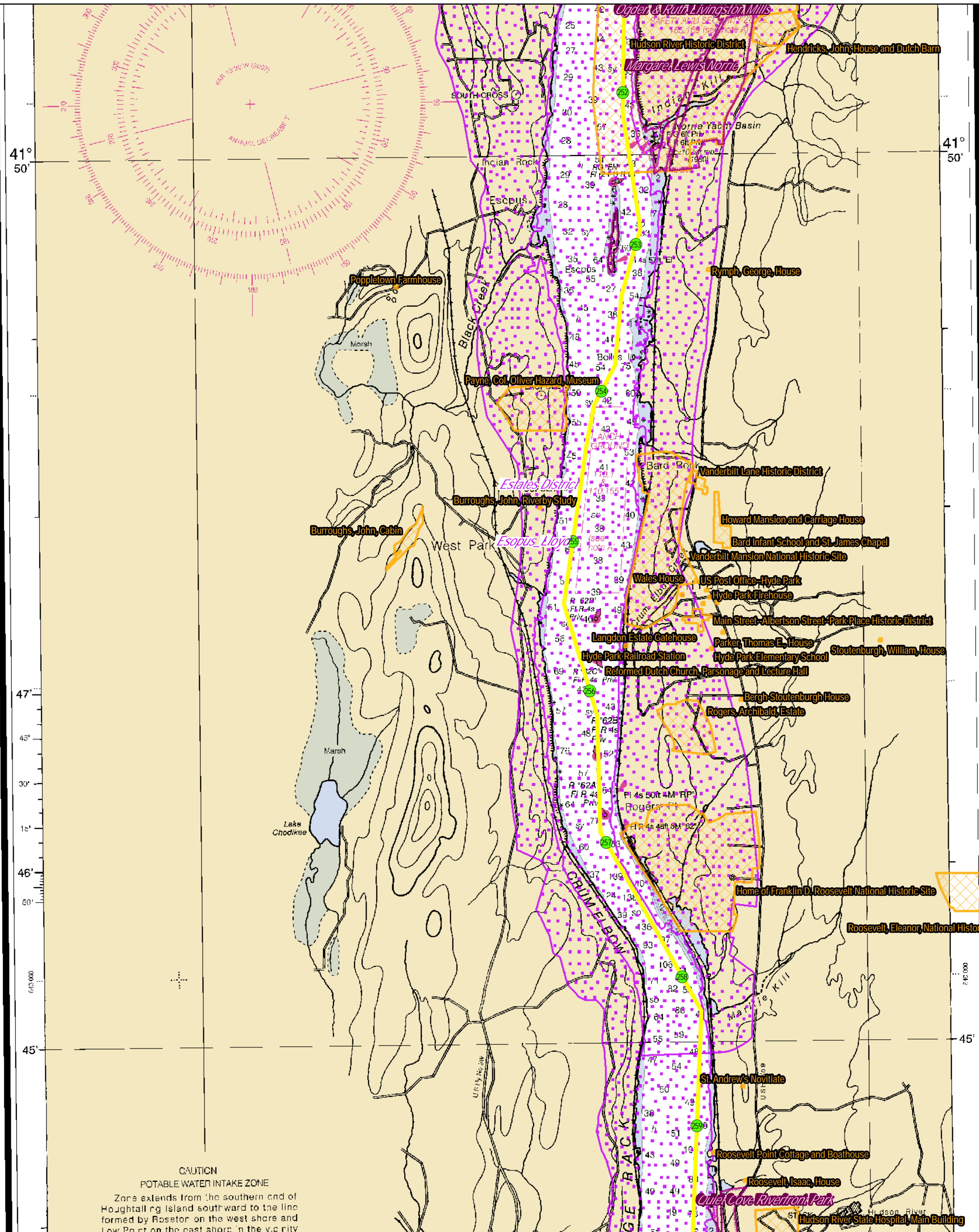
- Underwater Route
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**NOTES:**  
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 28 of 38  
 Prepared by:   &  7/14/2010





### LEGEND

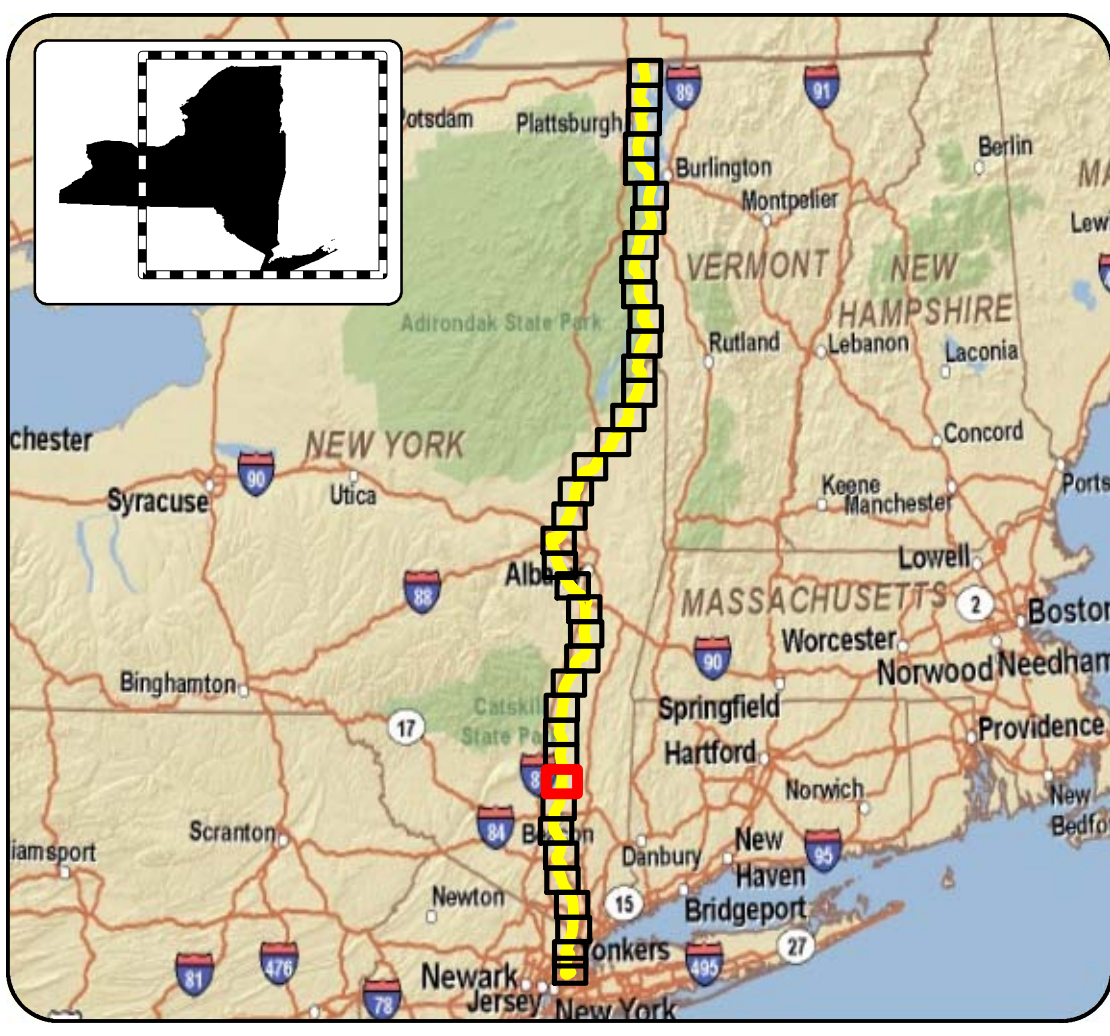
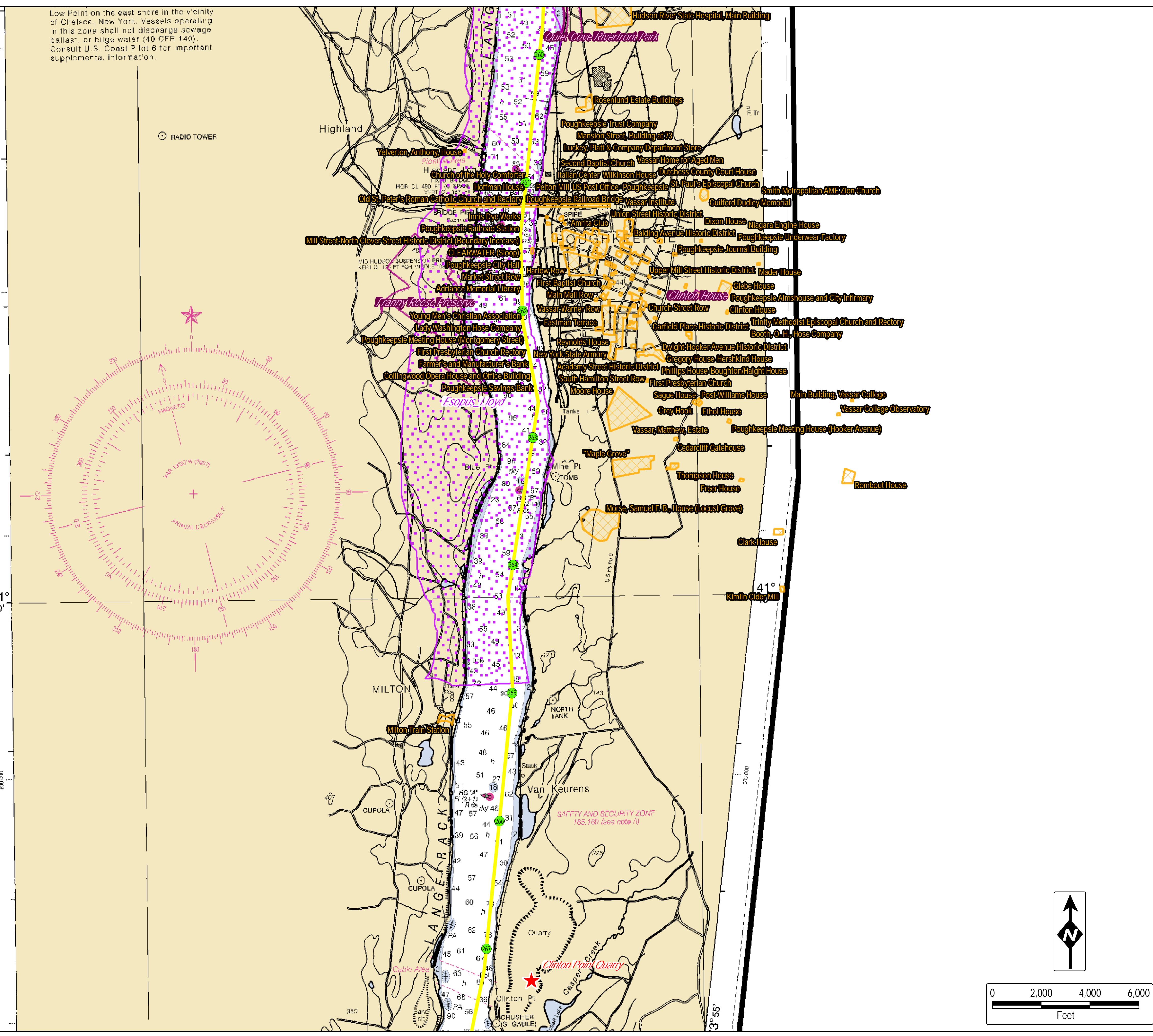
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 29 of 38  
 Prepared by: & 7/14/2010

Low Point on the east shore in the vicinity of Chelsea, New York. Vessels operating in this zone shall not discharge sewage ballast, or bilge water (40 CFR 140). Consult U.S. Coast Pilot 6 for important supplemental information.



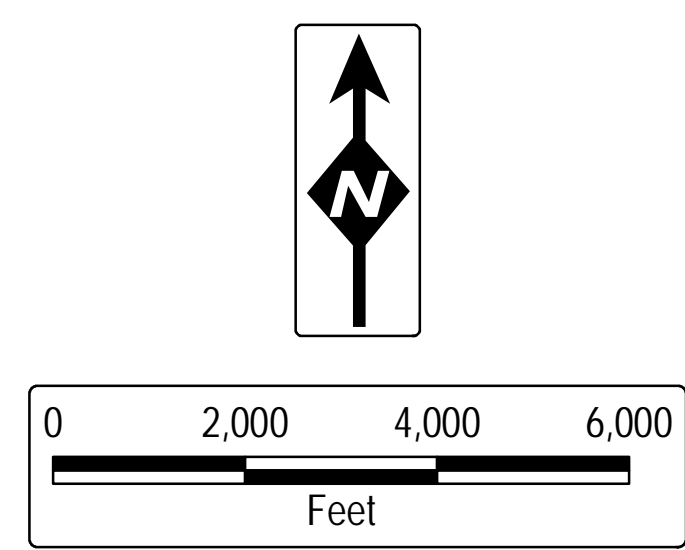
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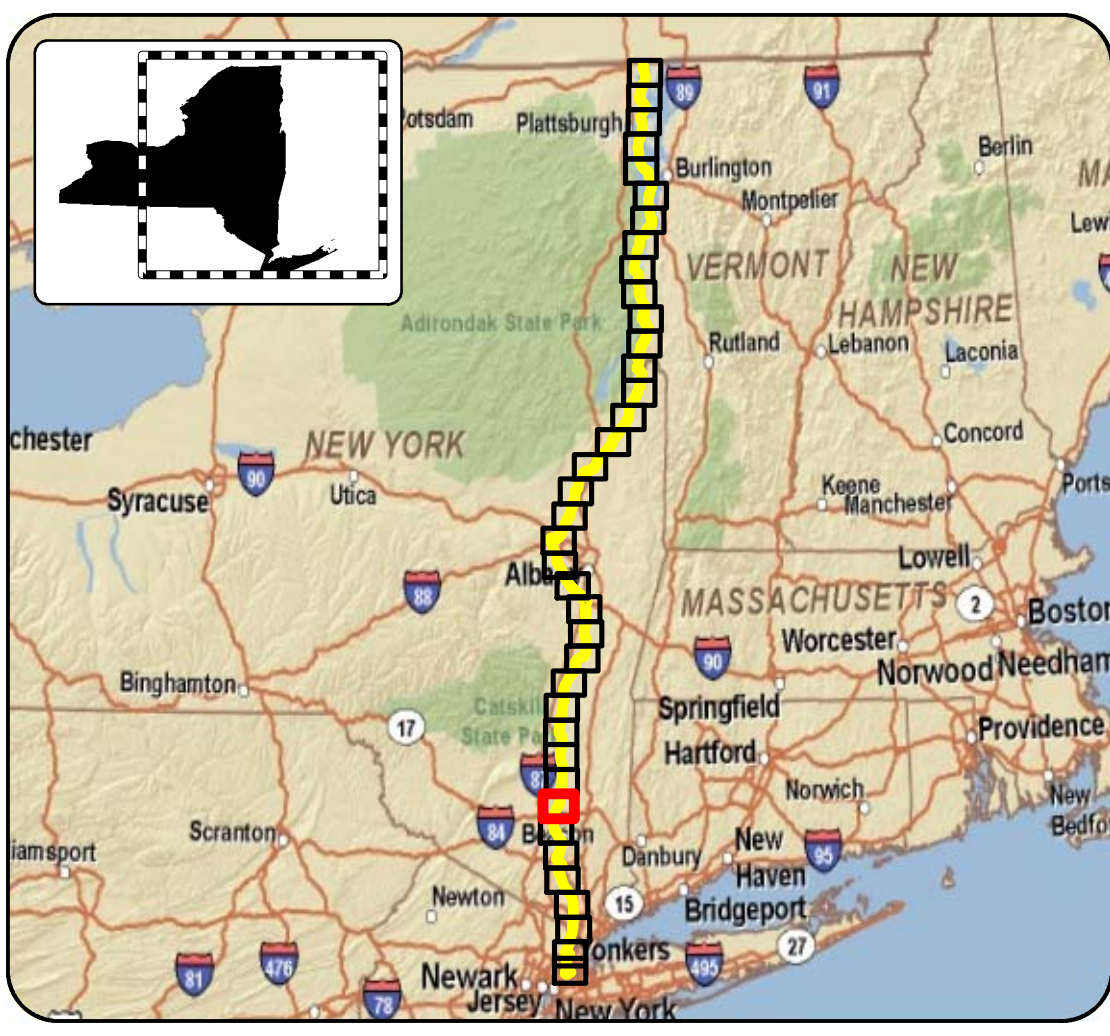
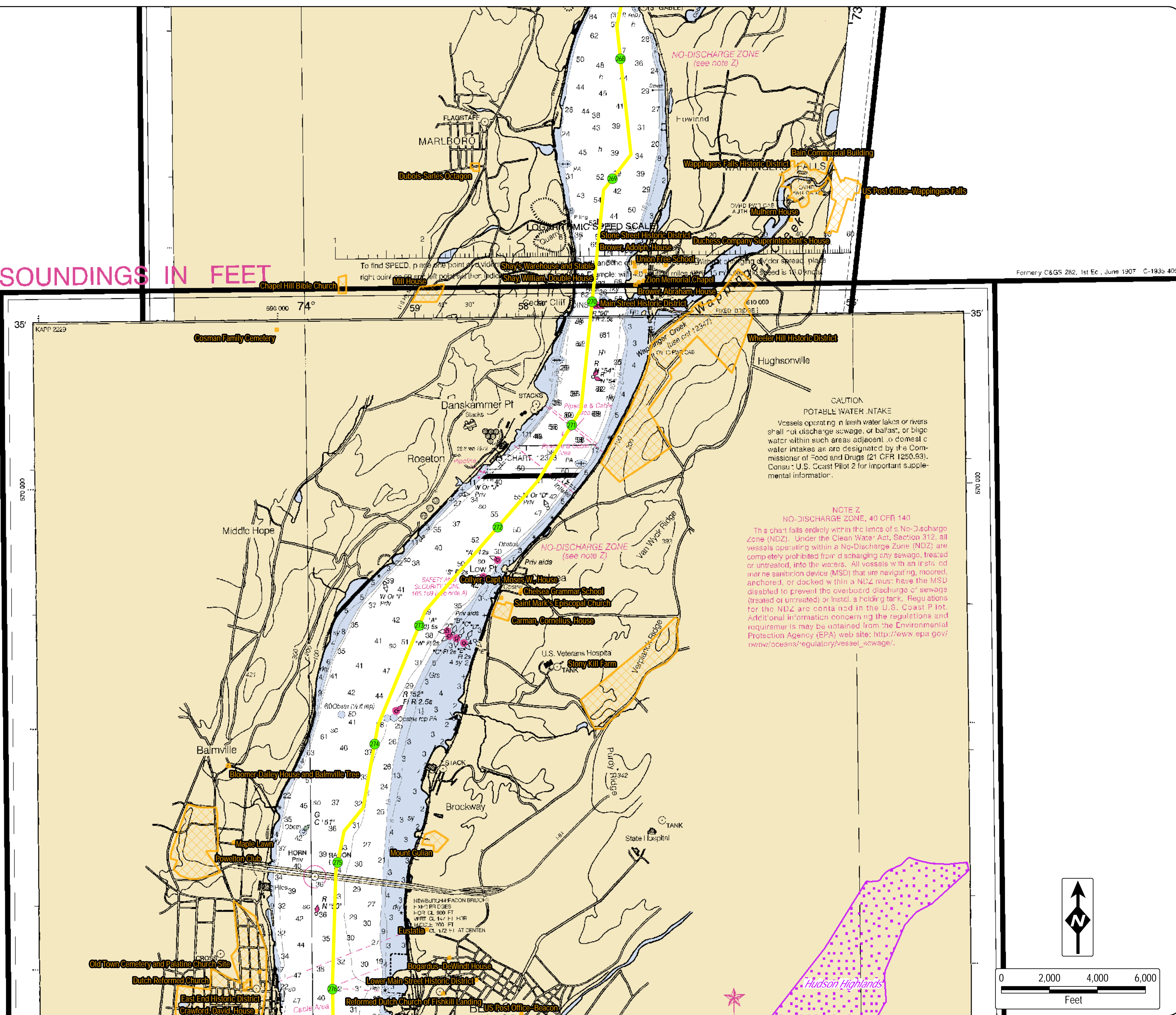
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*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 30 of 38  
 Prepared by: & 7/14/2010



12343

SOUNDINGS IN FEET



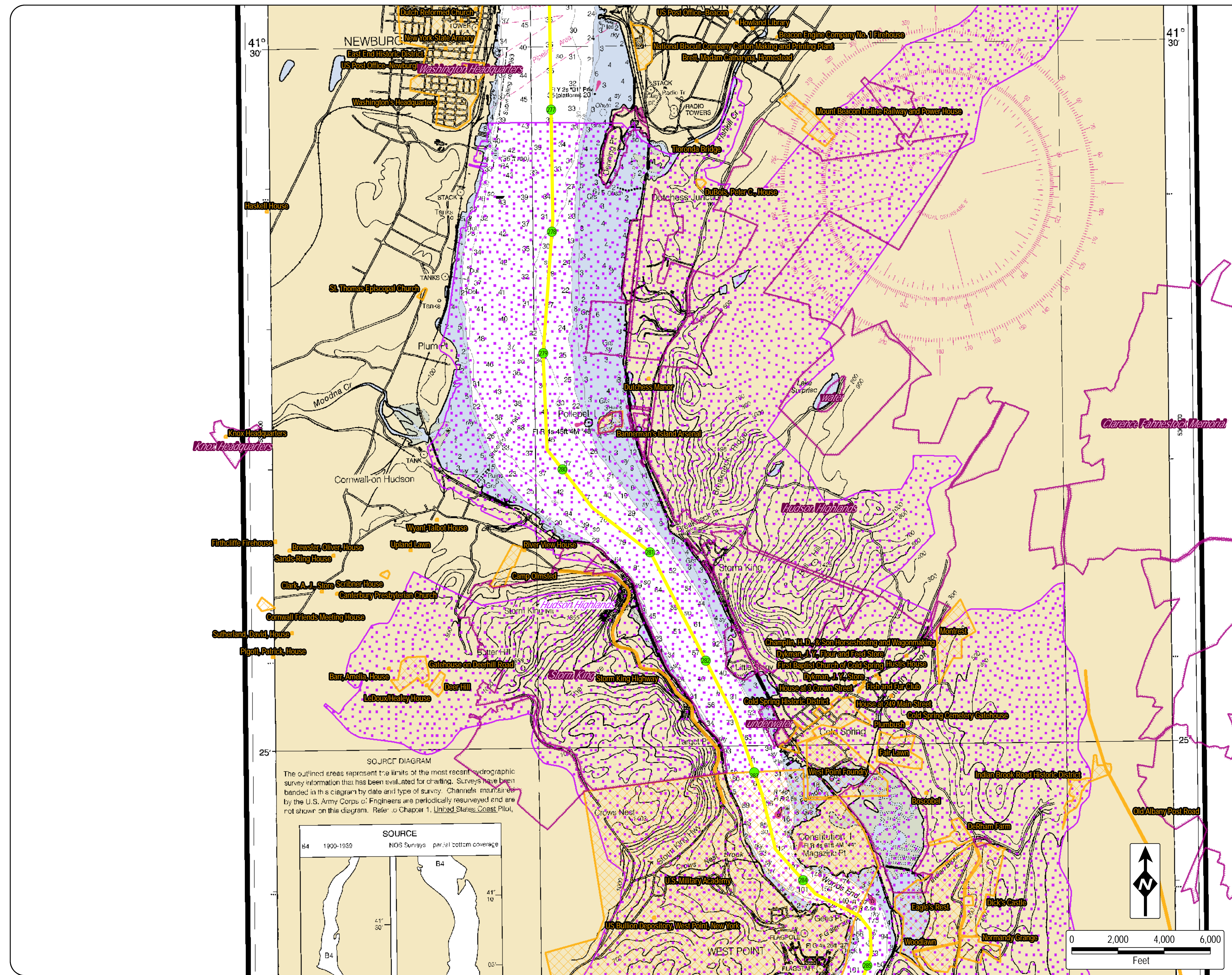
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 31 of 38  
 Prepared by: & 7/14/2010



41° 30'

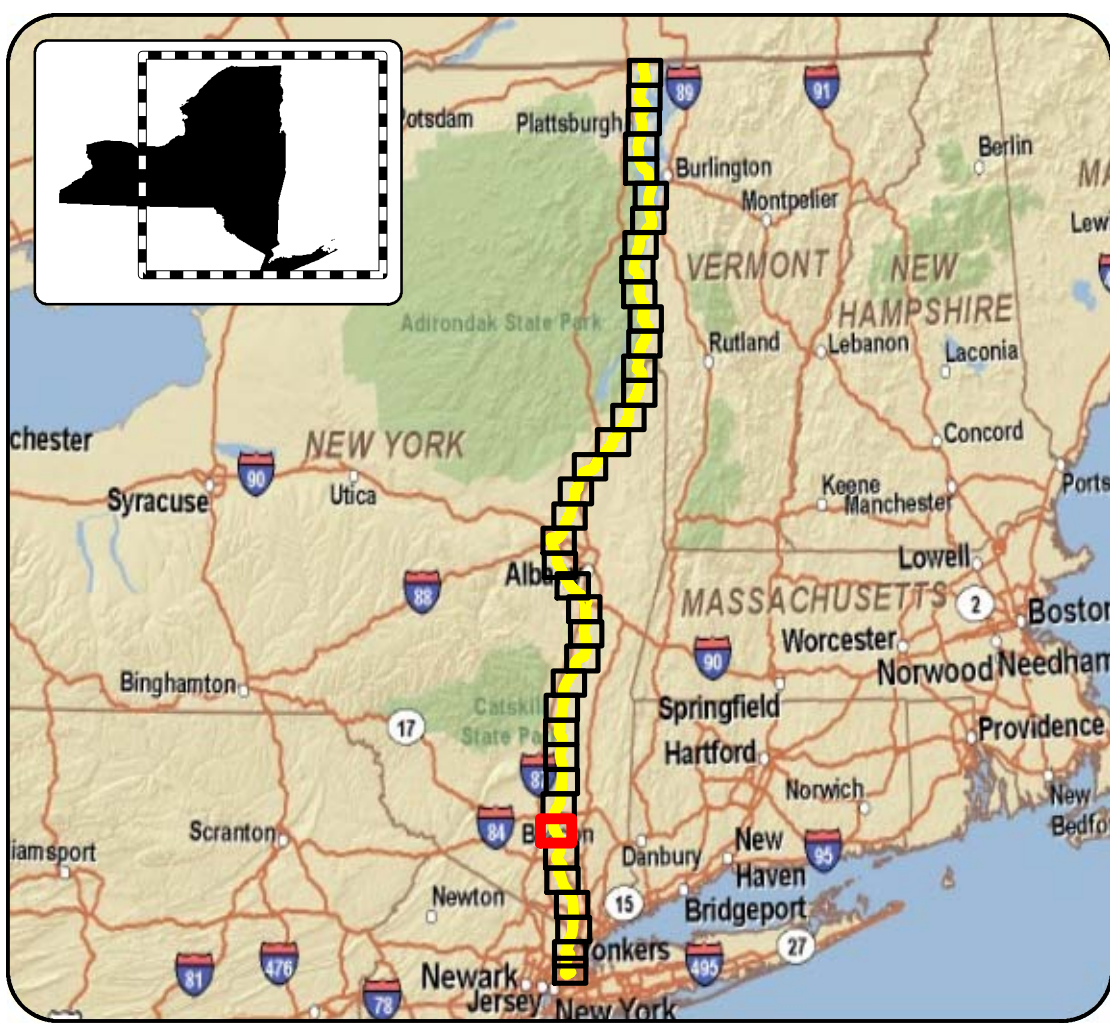
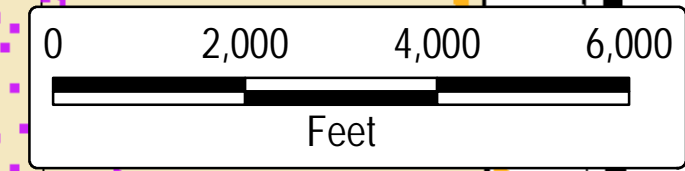
41° 30'

25'

25'

**SOURCE DIAGRAM**  
 The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE		
B4	1990-1989	NOS Surveys - partial bottom coverage



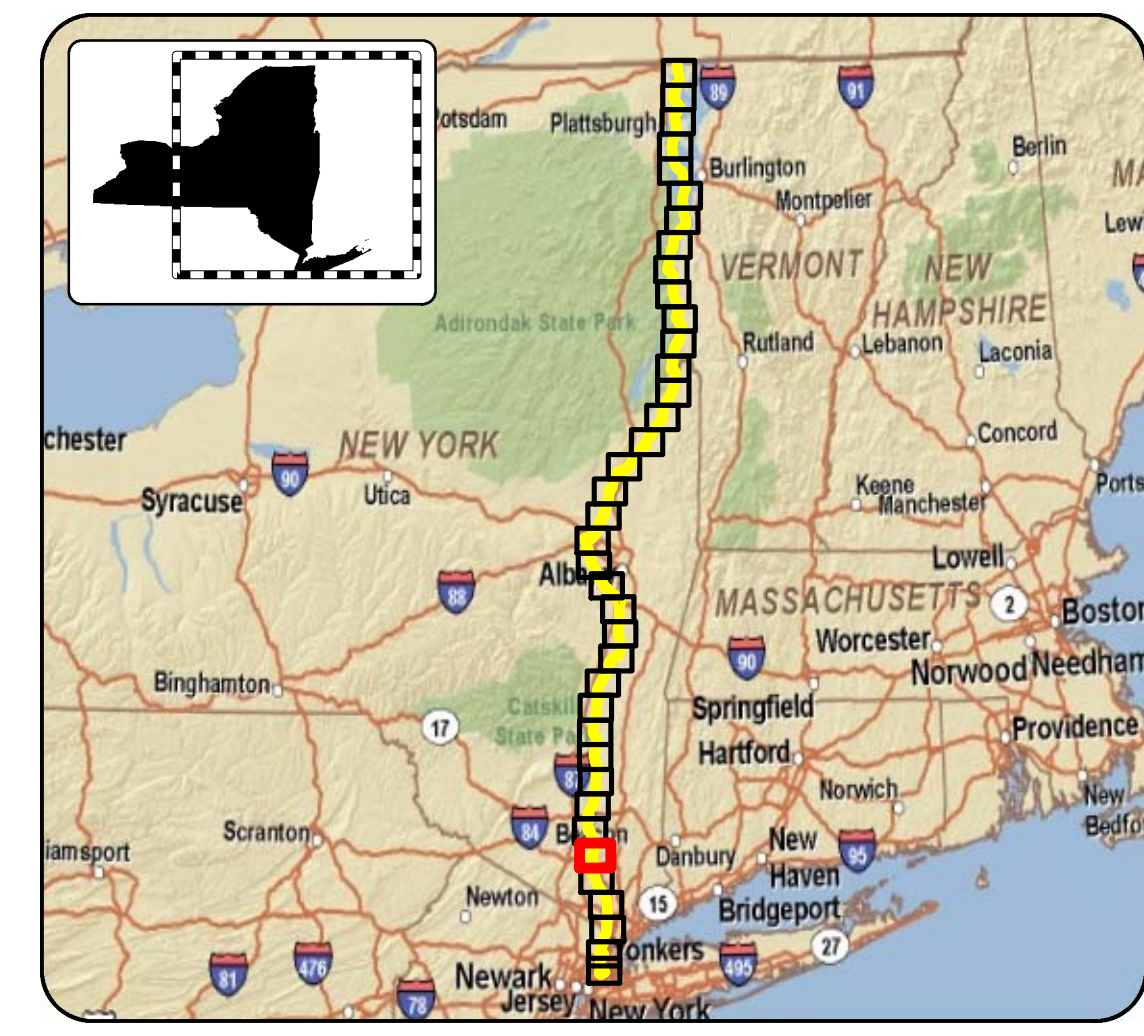
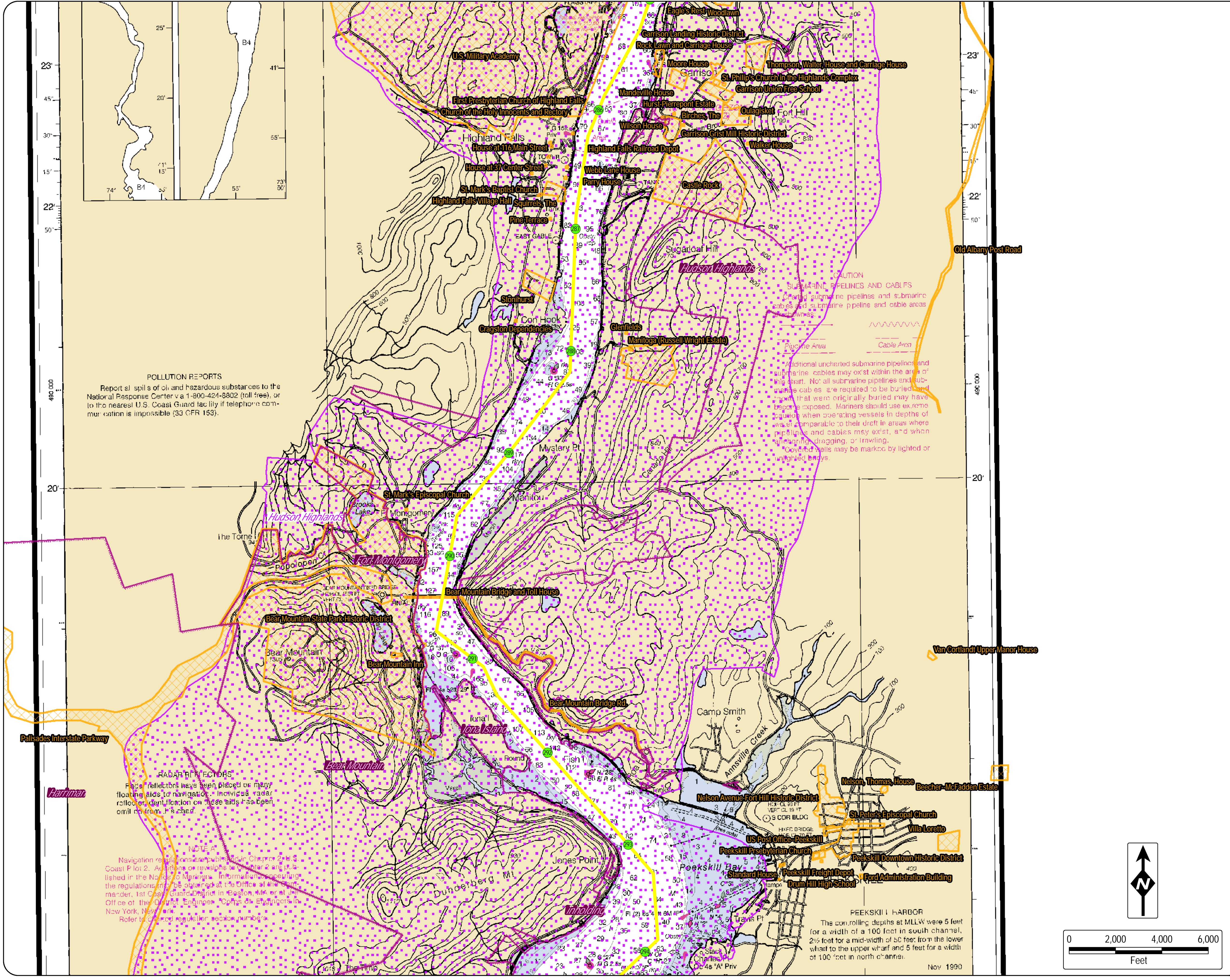
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 32 of 38  
 Prepared by: & 7/14/2010



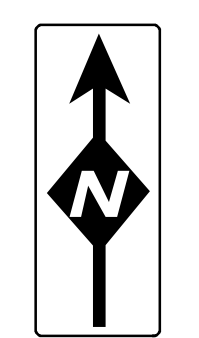
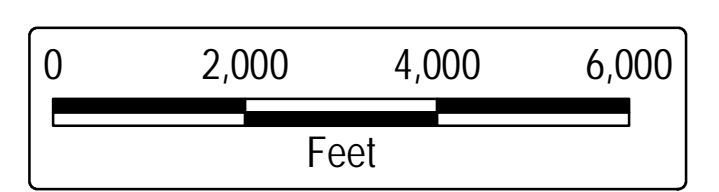
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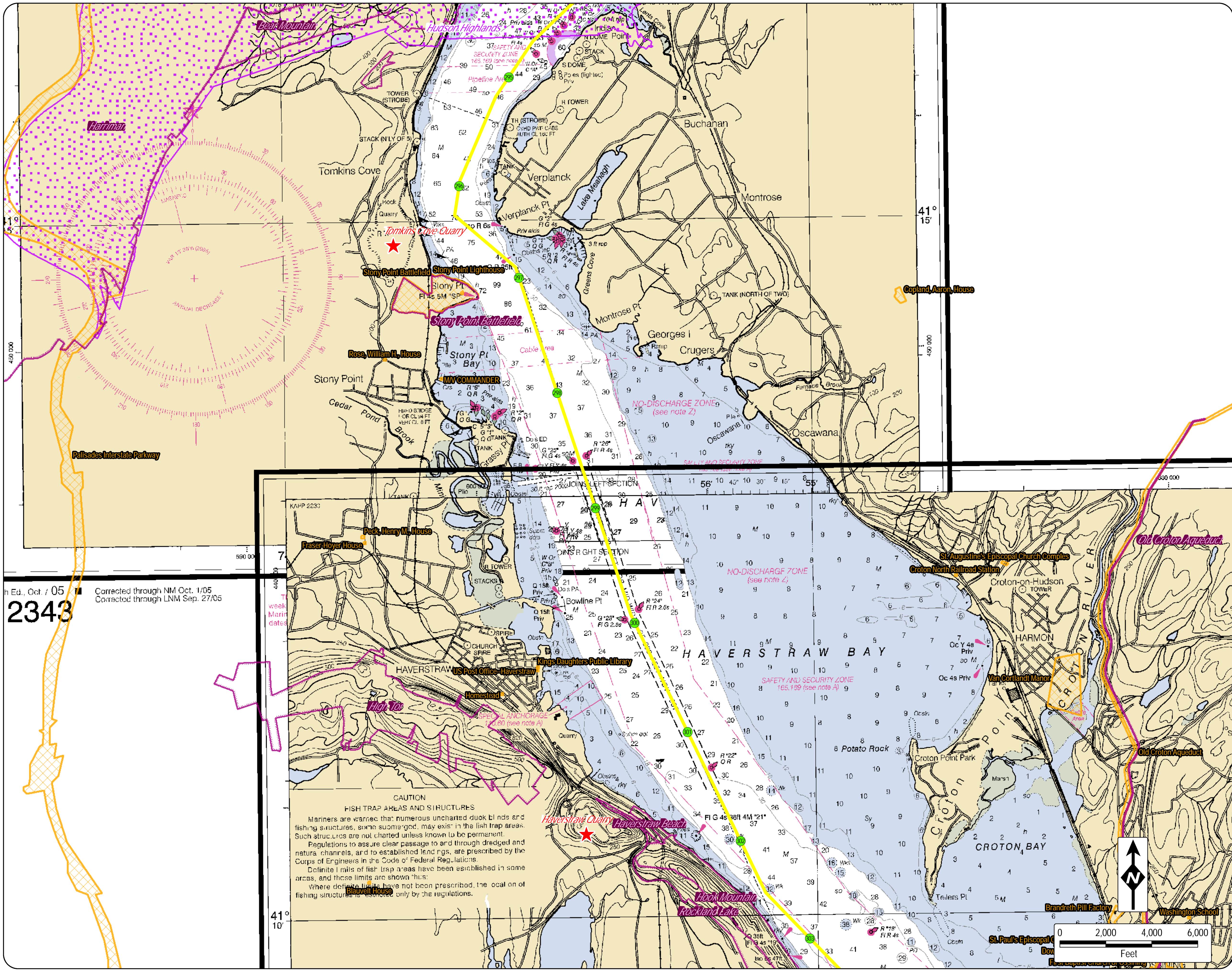
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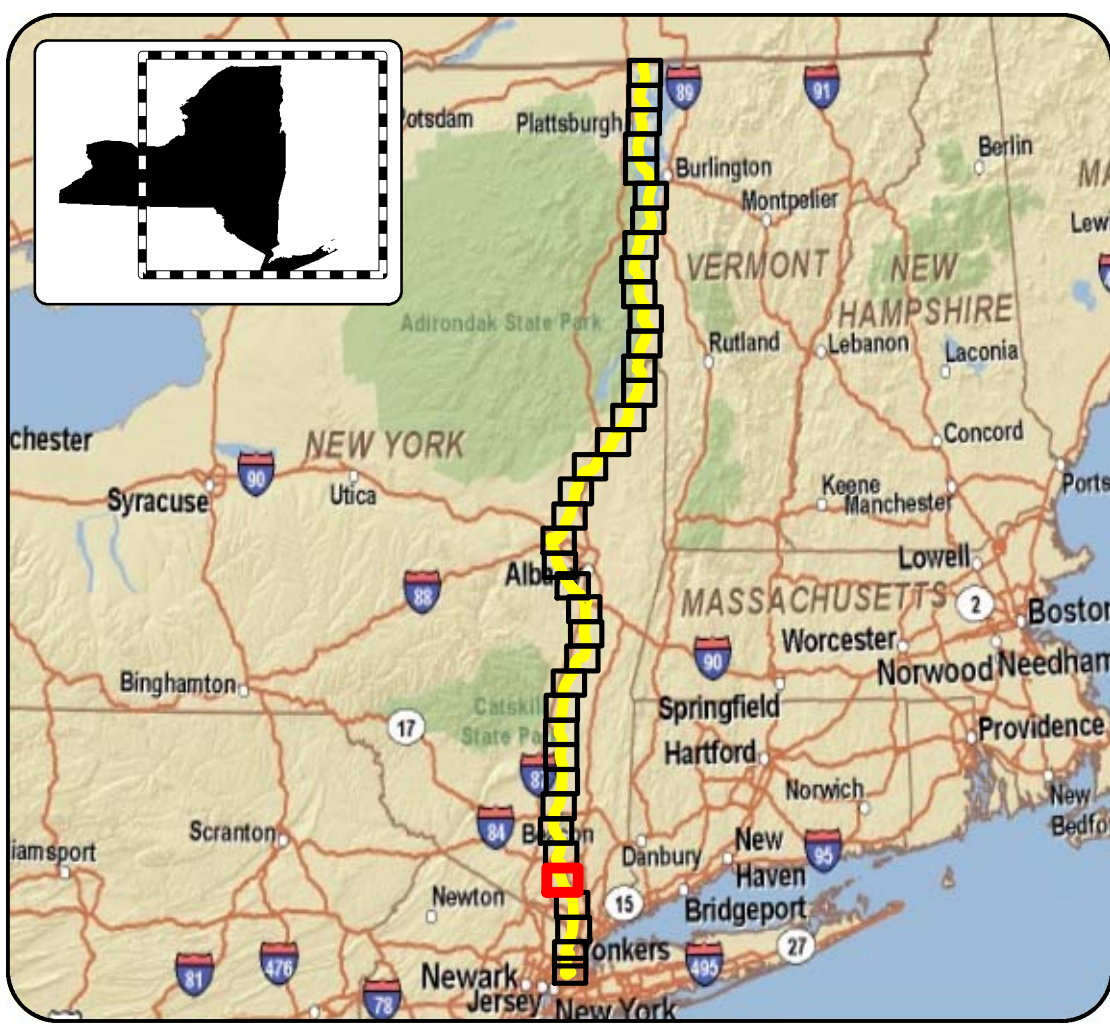
**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 33 of 38  
 Prepared by: & 7/14/2010





2343  
 Corrected through NM Oct. 1/05  
 Corrected through LNM Sep. 27/05

CAUTION  
 FISH TRAP AREAS AND STRUCTURES  
 Mariners are warned that numerous uncharted duck blinds and fishing structures, some submerged, may exist in the fish trap areas. Such structures are not charted unless known to be permanent. Regulations to assure clear passage to and through dredged and natural channels, and to established landings, are prescribed by the Corps of Engineers in the Code of Federal Regulations. Definite limits of fish trap areas have been established in some areas, and these limits are shown thus: Where definite limits have not been prescribed, the location of fishing structures is indicated only by the regulations.



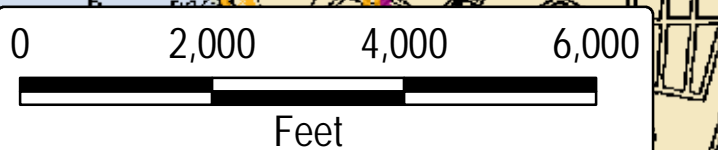
### LEGEND

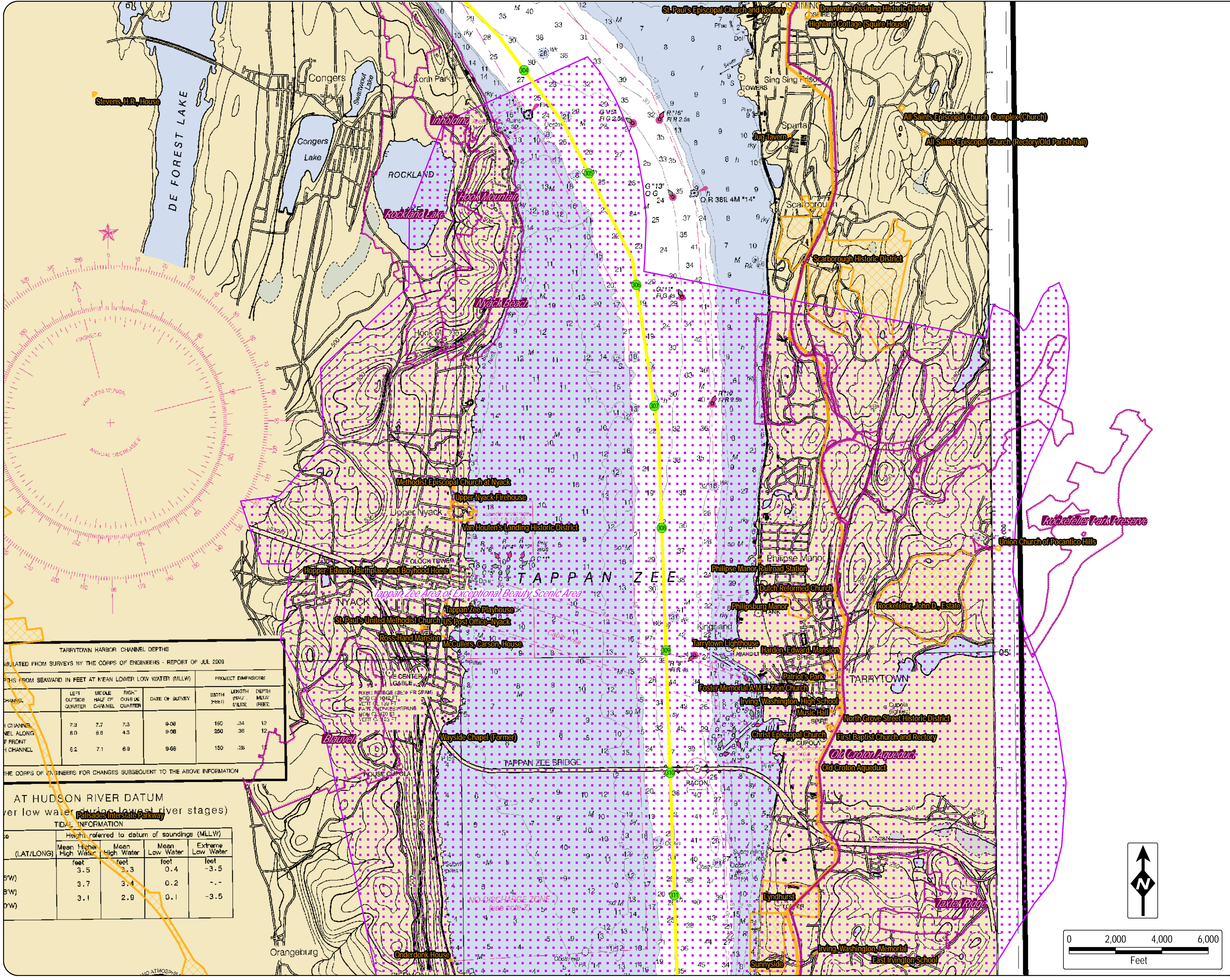
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*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
**on NOAA/NYS DOT Mapping**  
 Sheet 34 of 38  
 Prepared by: & 7/14/2010





TARRYTOWN HARBOR CHANNEL DEPTHS  
 CALCULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2009

DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)

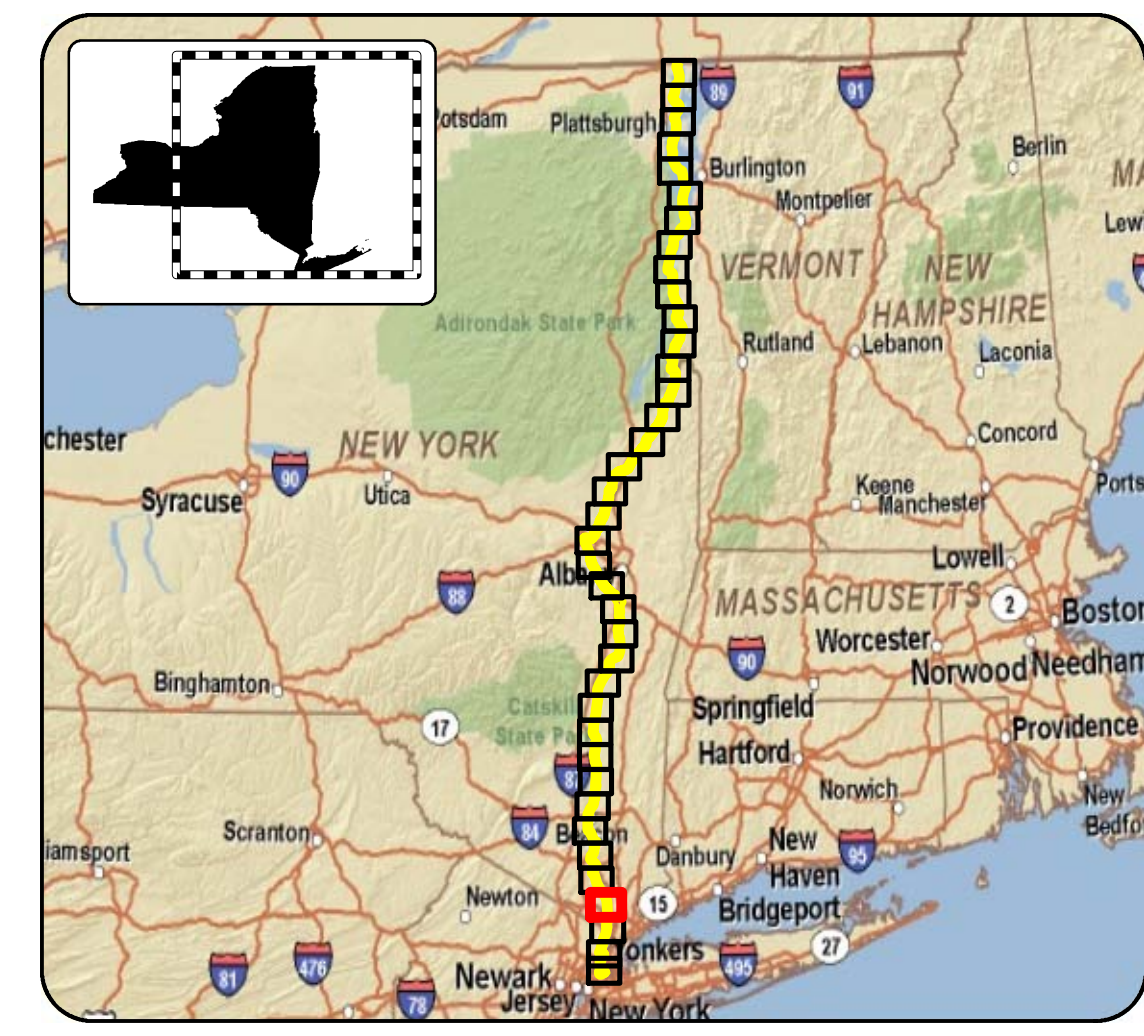
CHANNEL	PROJECT DIMENSIONS			DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH (MLLW) (FEET)
	LEFT QUARTER	MIDDLE HALF OF CHANNEL	RIGHT QUARTER				
1. CHANNEL	7.3	7.7	7.3	9-08	150	.34	12
2. CHANNEL	8.0	8.8	4.3	9-08	250	.38	12
3. CHANNEL	6.2	7.1	6.9	9-06	150	.28	11

THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

AT HUDSON RIVER DATUM  
 (over low water during lowest river stages)

TIDAL INFORMATION

(LAT/LONG)	Height referred to datum of soundings (MLLW)			
	Mean High High Water	Mean High Low Water	Mean Low Low Water	Extreme Low Water
5°W	3.5	3.3	0.4	-3.5
6°W	3.7	3.4	0.2	-
7°W	3.1	2.9	0.1	-3.5



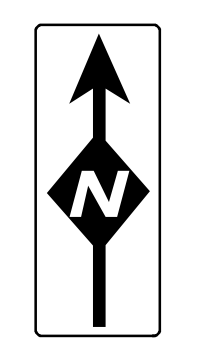
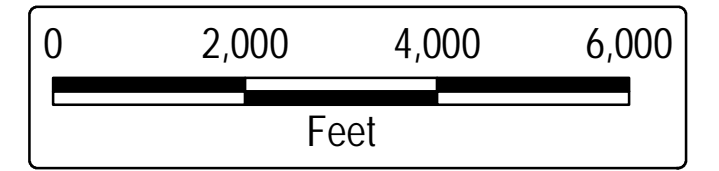
### LEGEND

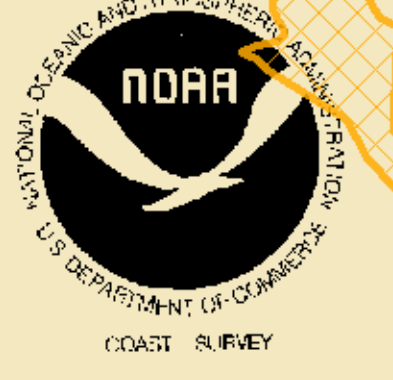
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 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
 Sheet 35 of 38  
 Prepared by: & 7/14/2010





UNITED STATES - EAST COAST  
 YORK - NEW JERSEY  
 HUDSON RIVER  
 FROM WAPPINGER CREEK

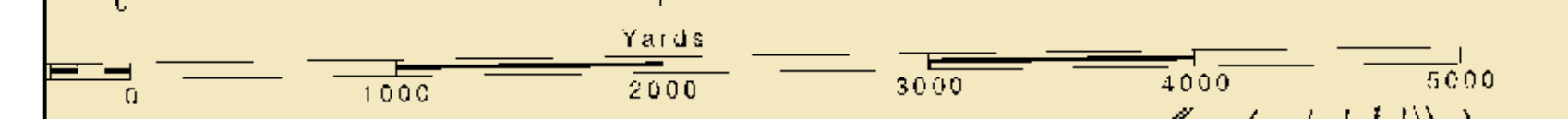
Mercator Projection  
 Scale 1:40,000

North American Datum of 1983  
 (World Geodetic System 1984)

SOUNDINGS IN FEET  
 AT MEAN LOWER LOW WATER

Additional information can be obtained at [nauticalcharts.noaa.gov](http://nauticalcharts.noaa.gov).

SCALE 1:40,000  
 Nautical Miles



Symbols and Abbreviations, see Chart No. 1, 1-3, otherwise indicated:

Mo	moor	Mo	moor	R TH	radio tower
Q	quarry	N	navigation	H	hour
Q	quarry	OBST	obstruction	S	seconds
Q	quarry	On	on	SEC	sector
Q	quarry	Or	orange	SI	statute miles
Q	quarry	Q	quick	VQ	very quick
Q	quarry	H	red	W	white
Q	quarry	Ra	radar reflector	WHIS	whistle
Q	quarry	R	radio beacon	Y	yellow

gy	gray	Oys	oysters	so	soft
h	hard	Pk	rock	Sh	shells
M	mud	S	sand	sv	sticky

on obstruction  
 position approximate  
 depth swept clear to the depth indicated  
 or, with heights in feet above datum of soundings.

HEIGHTS  
 feet above Mean High Water.

AUTHORITIES  
 Authority by the National Ocean Service, Coast and Geodetic Survey, from the Corps of Engineers, Geological Survey, etc.

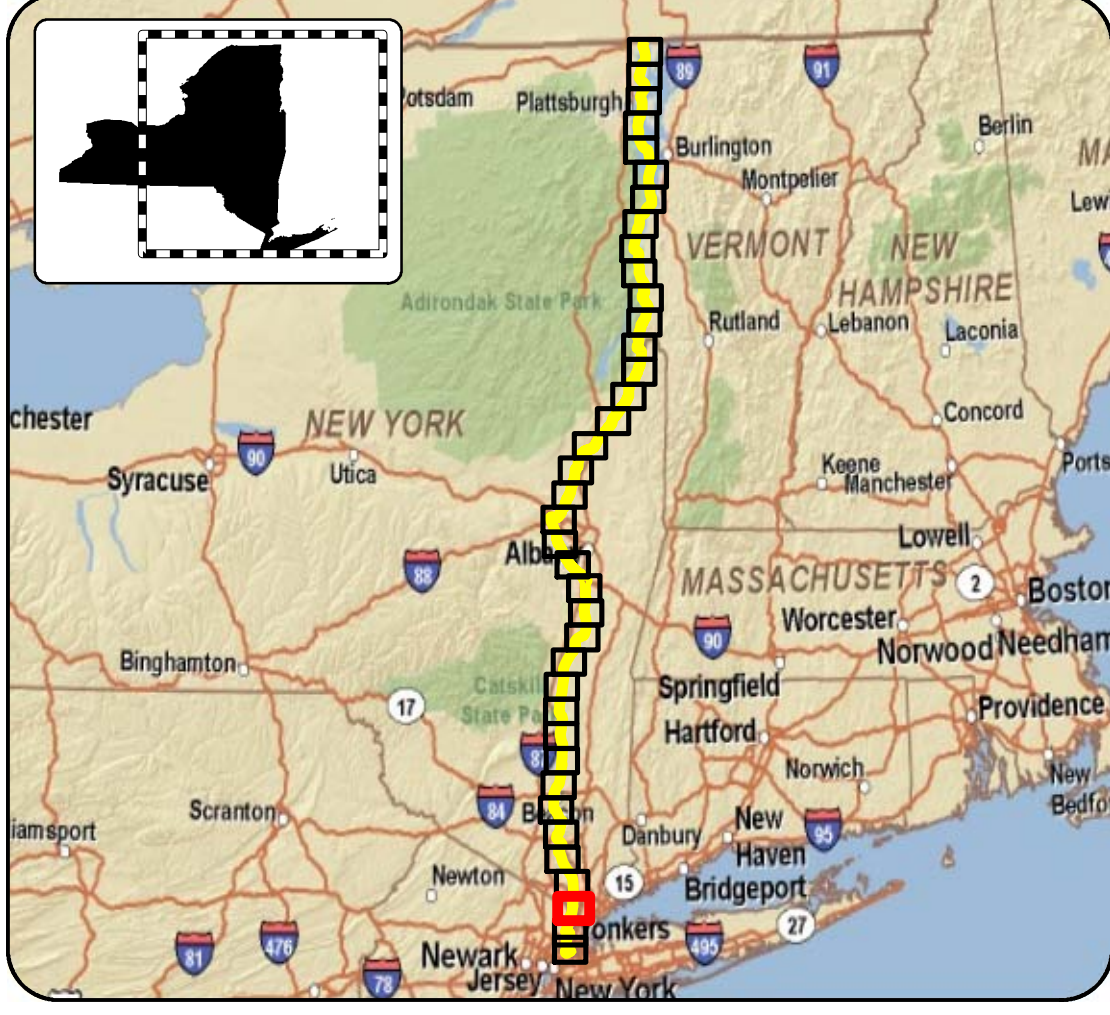
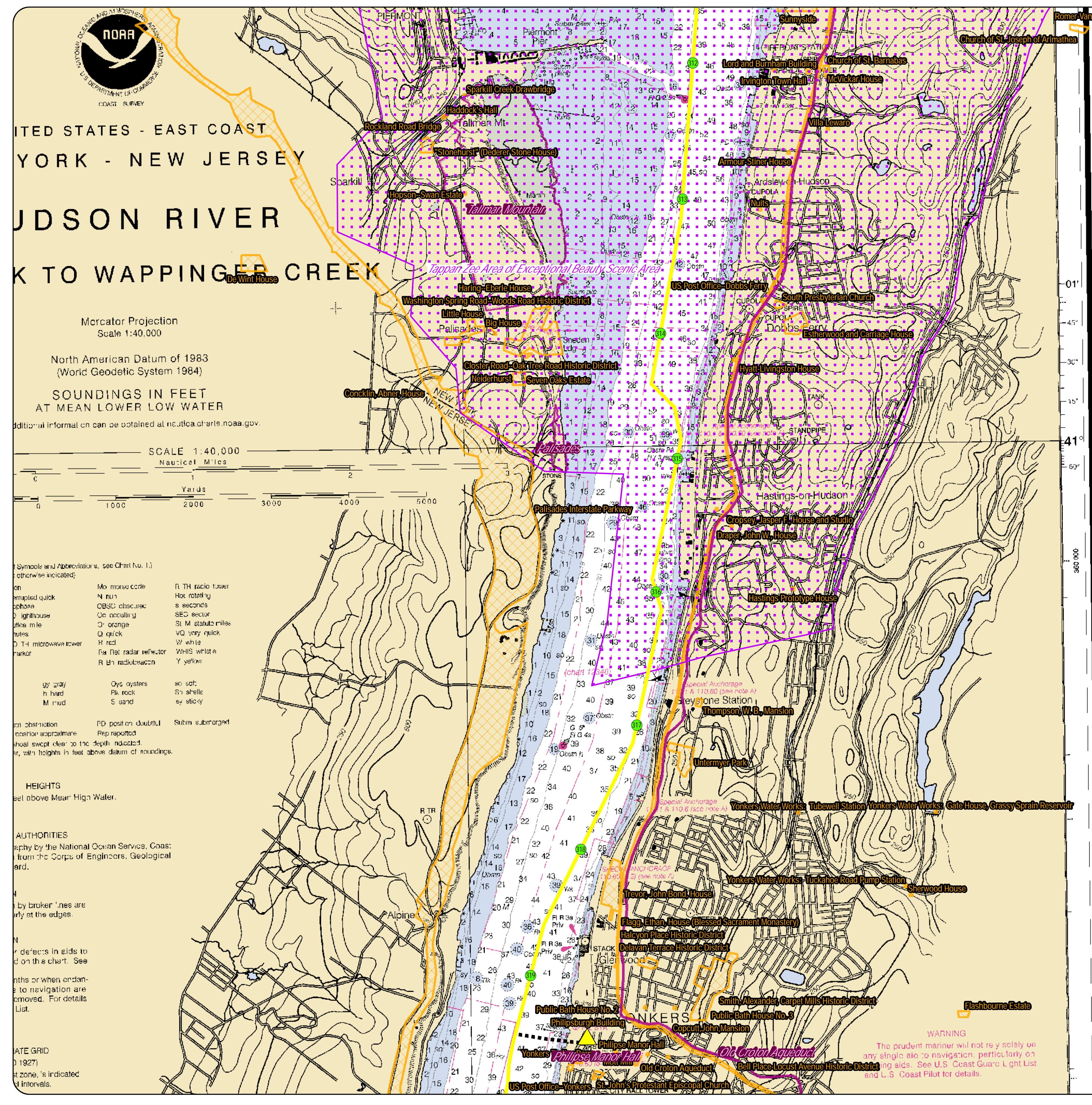
by broken lines are only at the edges.

defects in aids to navigation are removed. For details see List.

months or when endangers to navigation are removed. For details see List.

DATE GRID  
 1927

zone, is indicated



**LEGEND**

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**DATA SOURCES:**  
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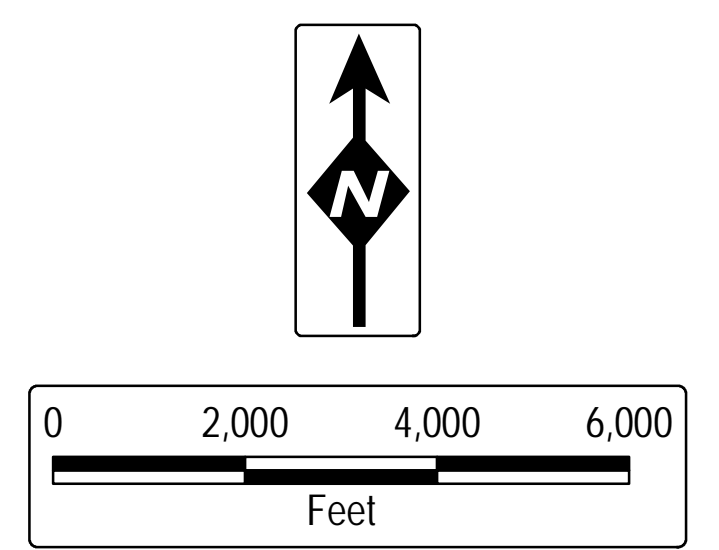
**NOTES:**  
 1. NYS DOT 24K and NOAA basemaps  
 2. Width of Cable Route lines are not drawn to scale.

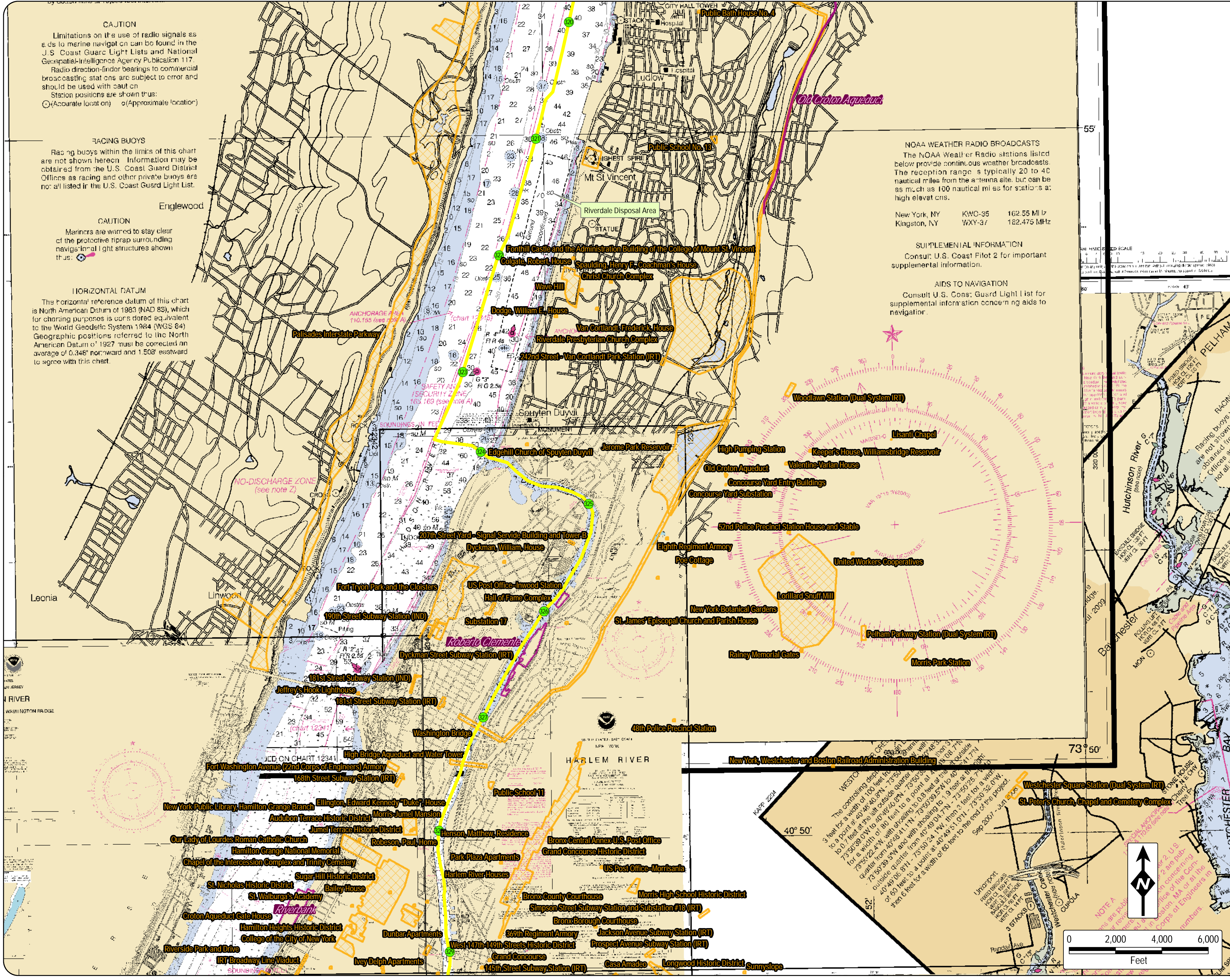
Transmission  
 Developers Inc.

Champlain Hudson Power Express Project  
 Champlain Hudson Power Express Inc.

Figure 2.1-2  
 Location of Facilities  
 on NOAA/NYS DOT Mapping  
 Sheet 36 of 38

Prepared by: **FDR** | **DTA** & **TRC** 7/14/2010





**CAUTION**  
 Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117. Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution. Station positions are shown thus:  
 (O) (Accurate location) (o) (Approximate location)

**RACING BUOYS**  
 Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Office as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

**CAUTION**  
 Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus: (S)

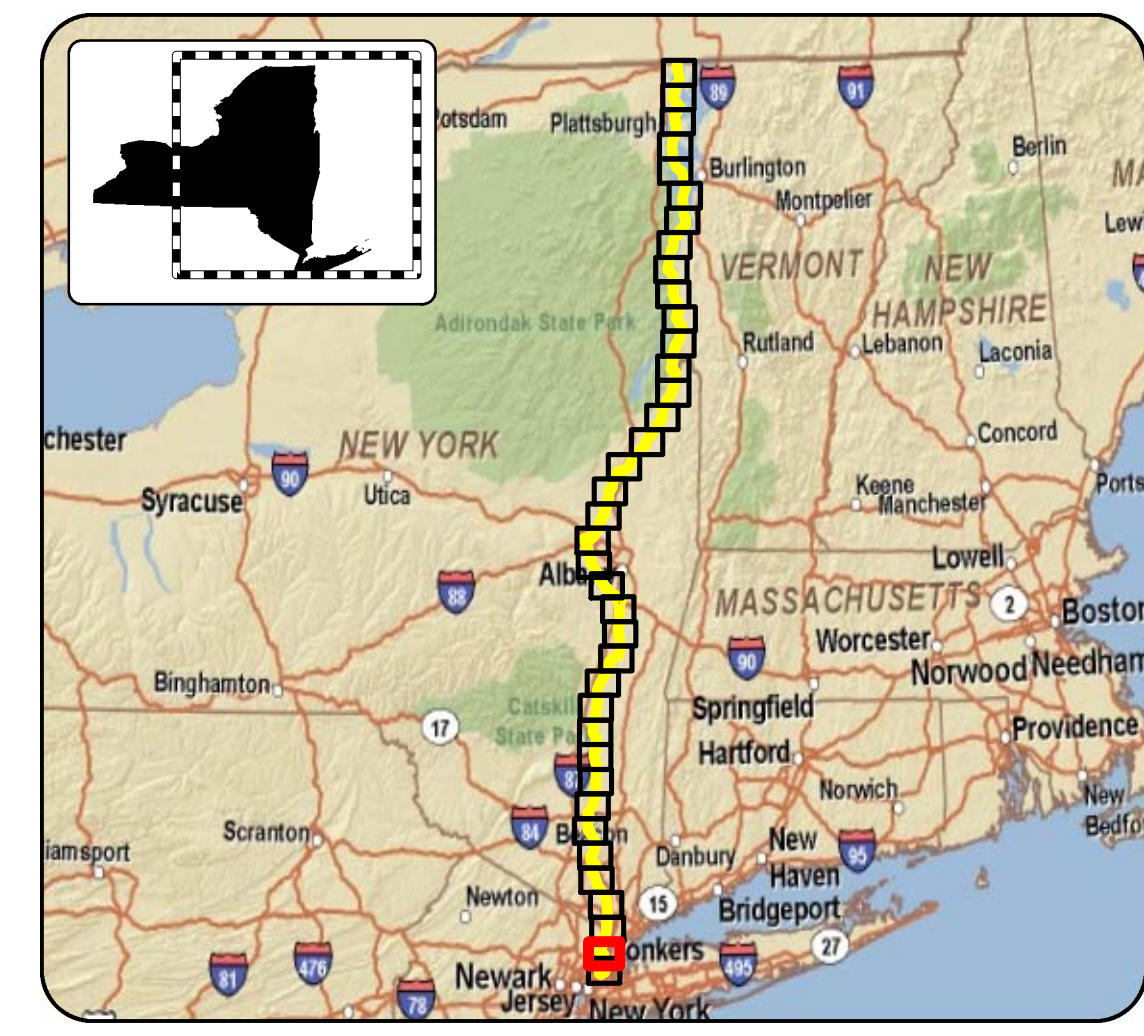
**HORIZONTAL DATUM**  
 The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.346" northward and 1.508" eastward to agree with this chart.

**NOAA WEATHER RADIO BROADCASTS**  
 The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

New York, NY	KWC-35	162.55 MHz
Kingston, NY	WXY-37	162.475 MHz

**SUPPLEMENTAL INFORMATION**  
 Consult U.S. Coast Pilot 2 for important supplemental information.

**AIDS TO NAVIGATION**  
 Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.



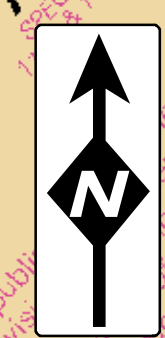
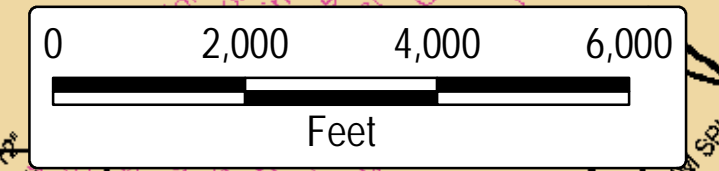
**LEGEND**

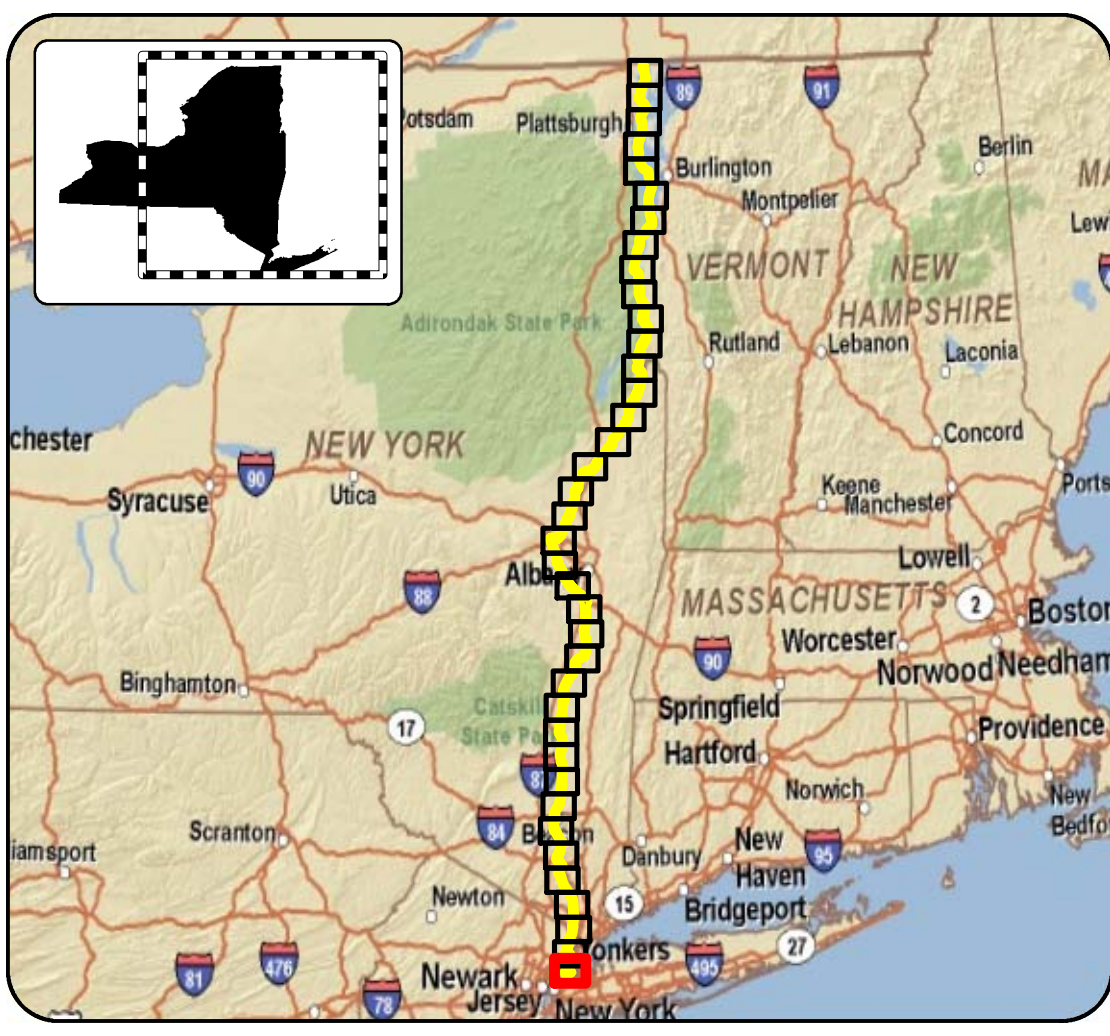
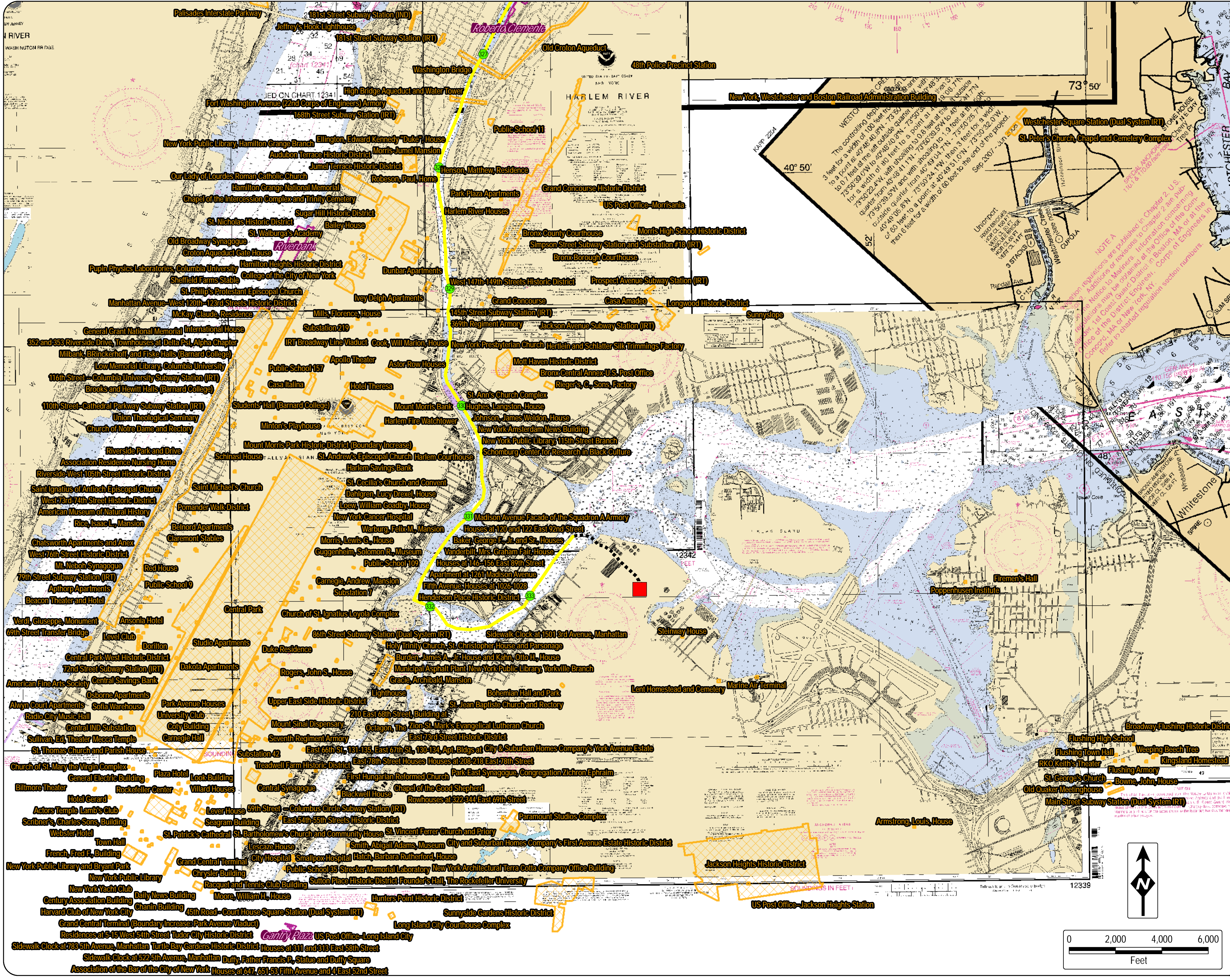
- Underwater Route
- CP/CSX Railroad ROW
- ..... Spur
- Milepost
- Poletti Substation
- ▲ Yonkers Converter Station
- ★ Mine
- ▭ Park
- ▭ State Park
- ▭ Untouched Wilderness
- ▭ Historic Site
- ▭ Scenic Area

**DATA SOURCES:**  
 NYS DOT, ESRI, NOAA, TDI, TRC, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYDEC), NEW YORK STATE OFFICE OF PARKS RECREATION AND HISTORICAL PRESERVATION (OPRHP)

**NOTES:**  
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**Champlain Hudson Power Express Project**  
*Champlain Hudson Power Express Inc.*  
 Figure 2.1-2  
**Location of Facilities**  
 on NOAA/NYS DOT Mapping  
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### LEGEND

- Underwater Route
- CP/CSX Railroad ROW
- - - - Spur
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