

LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

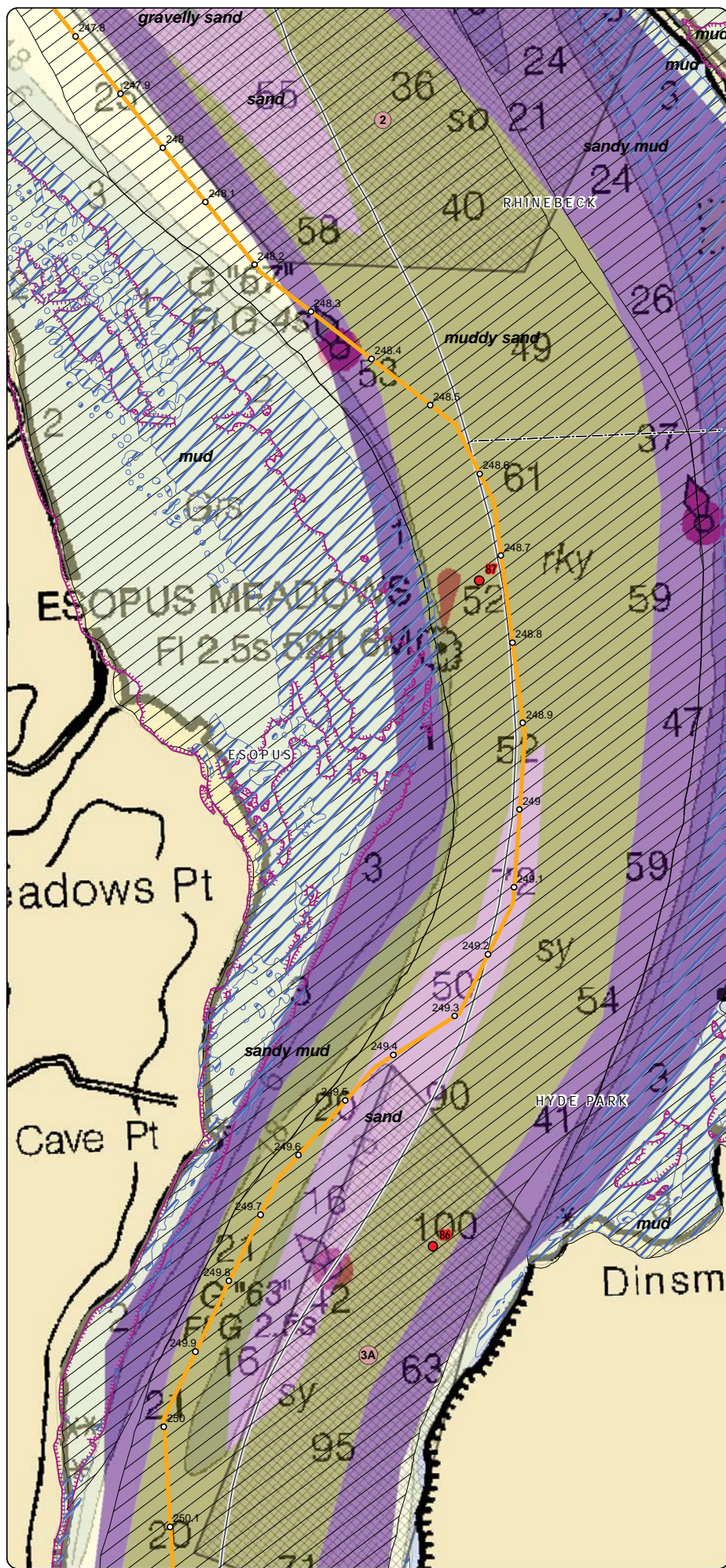
0 750
Feet


Transmission
Corporation, Inc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River Project Route
 Sheet 9 of 43

Created: 6/18/2014
 by: **HR** & **CTRC**



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- 1 CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

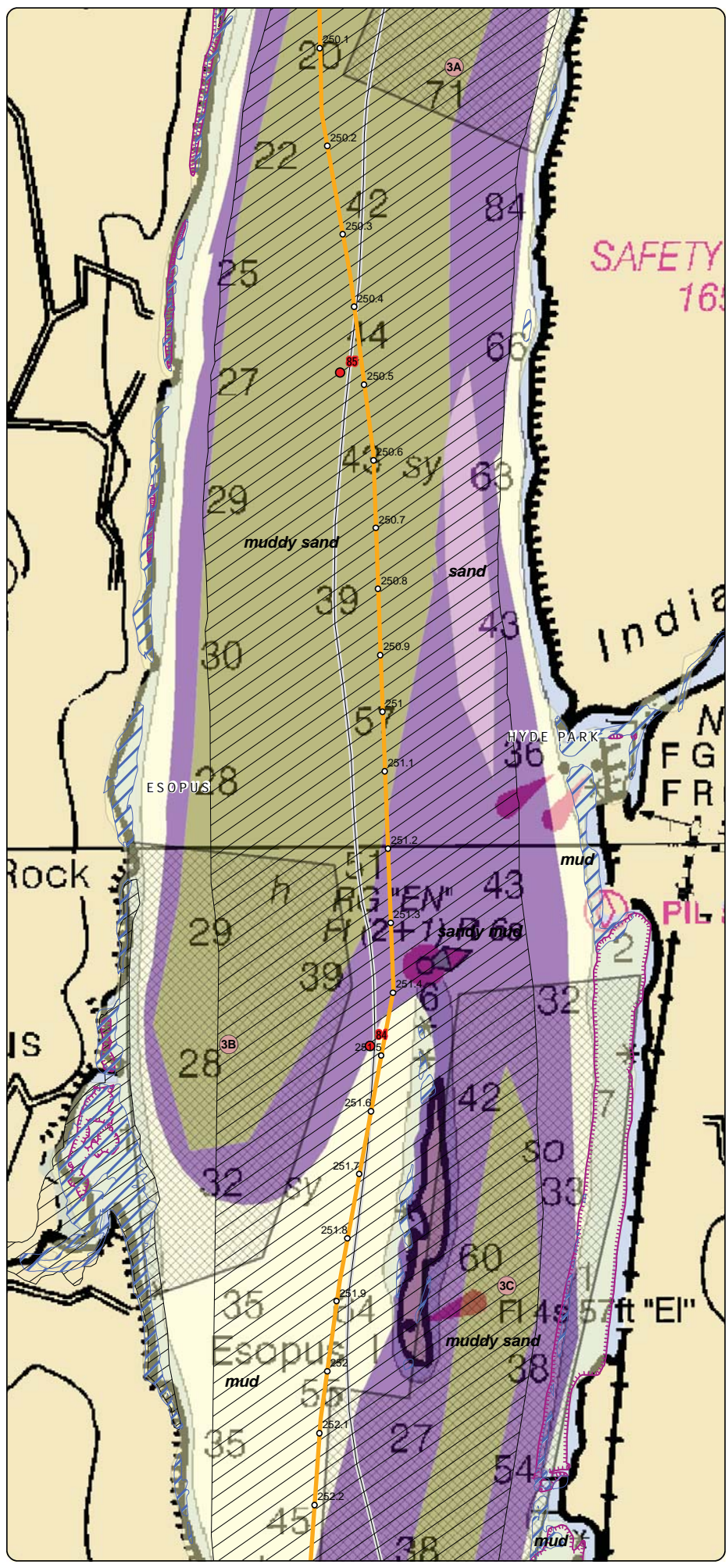
- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

**Hudson River
 Project Route**
 Sheet 10 of 43

Created: 6/18/2014
 by: &



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (Zone Number)
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Vallisneria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

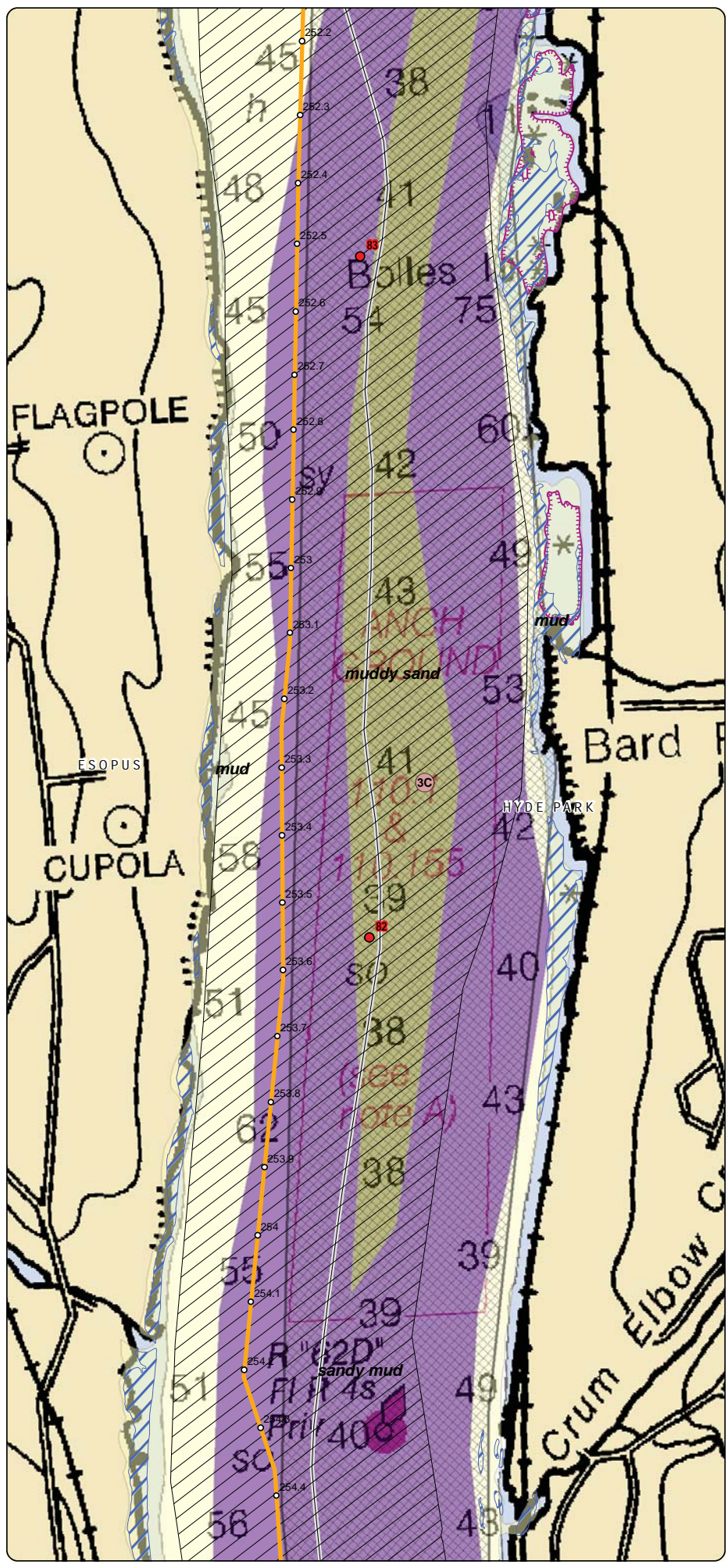
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet

Transmission
Champlain Hudson Power Express Project
Champlain Hudson Power Express Inc.

**Hudson River
Project Route**
Sheet 11 of 43

Created: 6/18/2014
by: HPR & CTRC



LEGEND

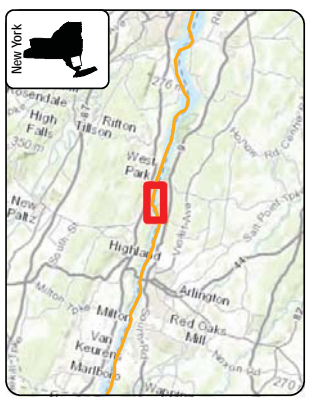
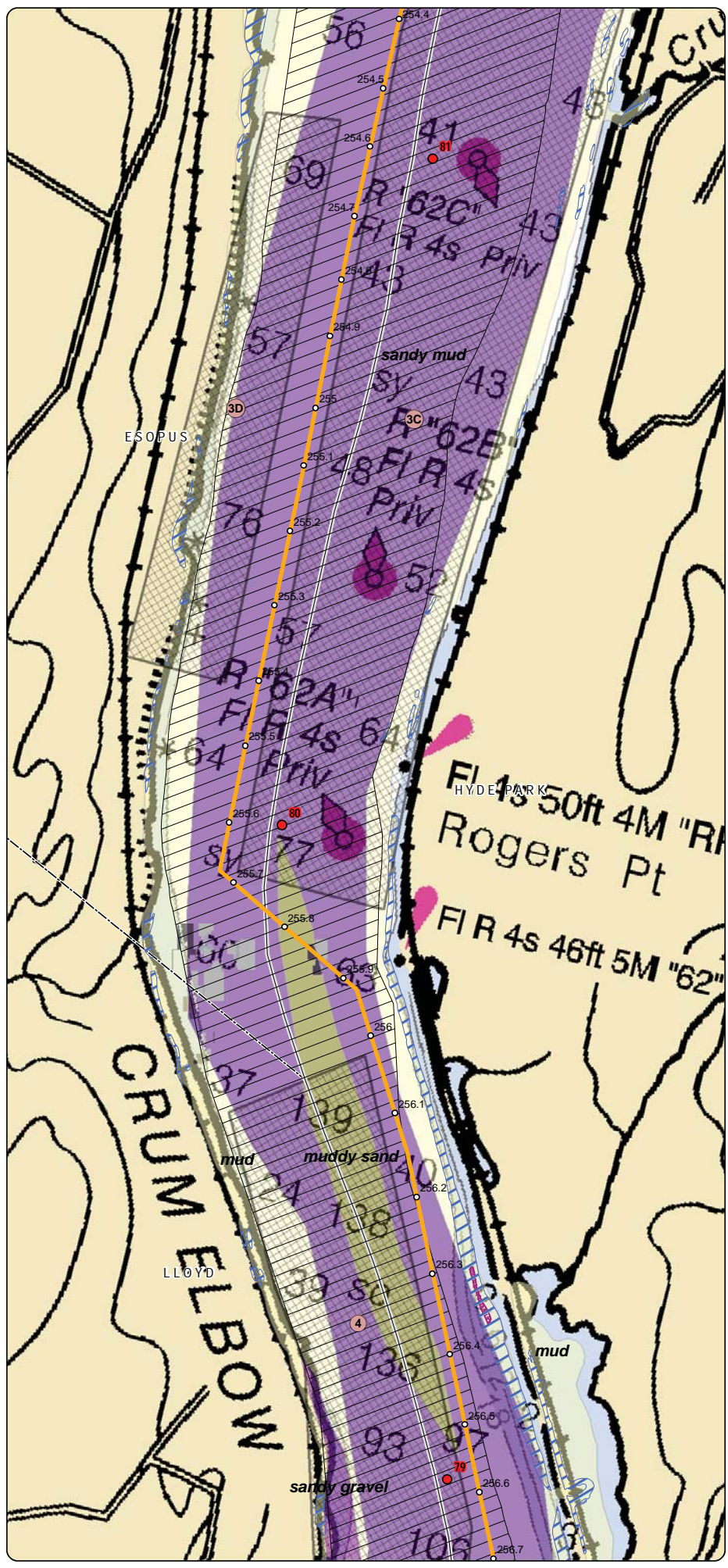
- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.
Hudson River Project Route
 Sheet 12 of 43
 Created: 6/18/2014
 by: HTR & TRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

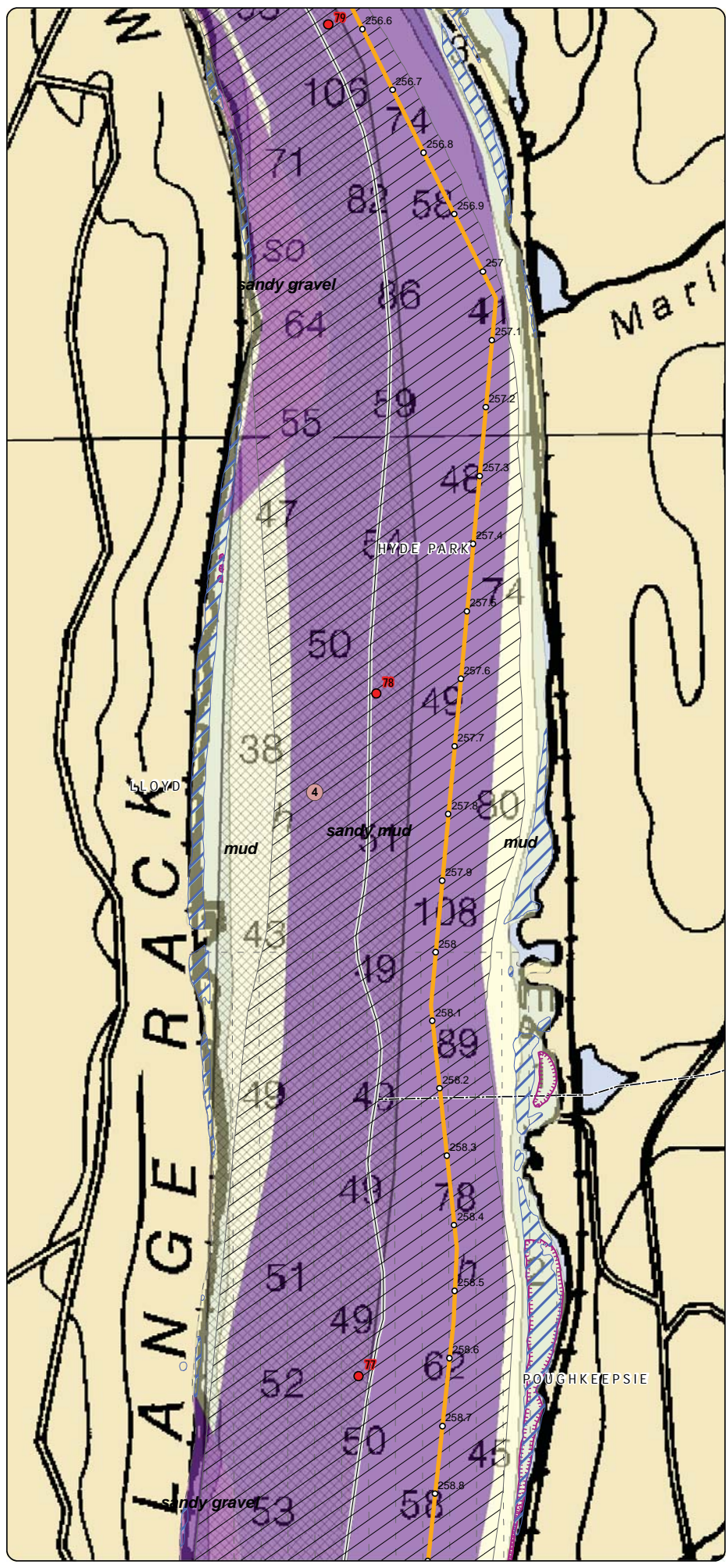
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

**Hudson River
 Project Route**
 Sheet 13 of 43

Created: 6/18/2014
 by: H2R & TRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
Champlain Power Inc.
Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

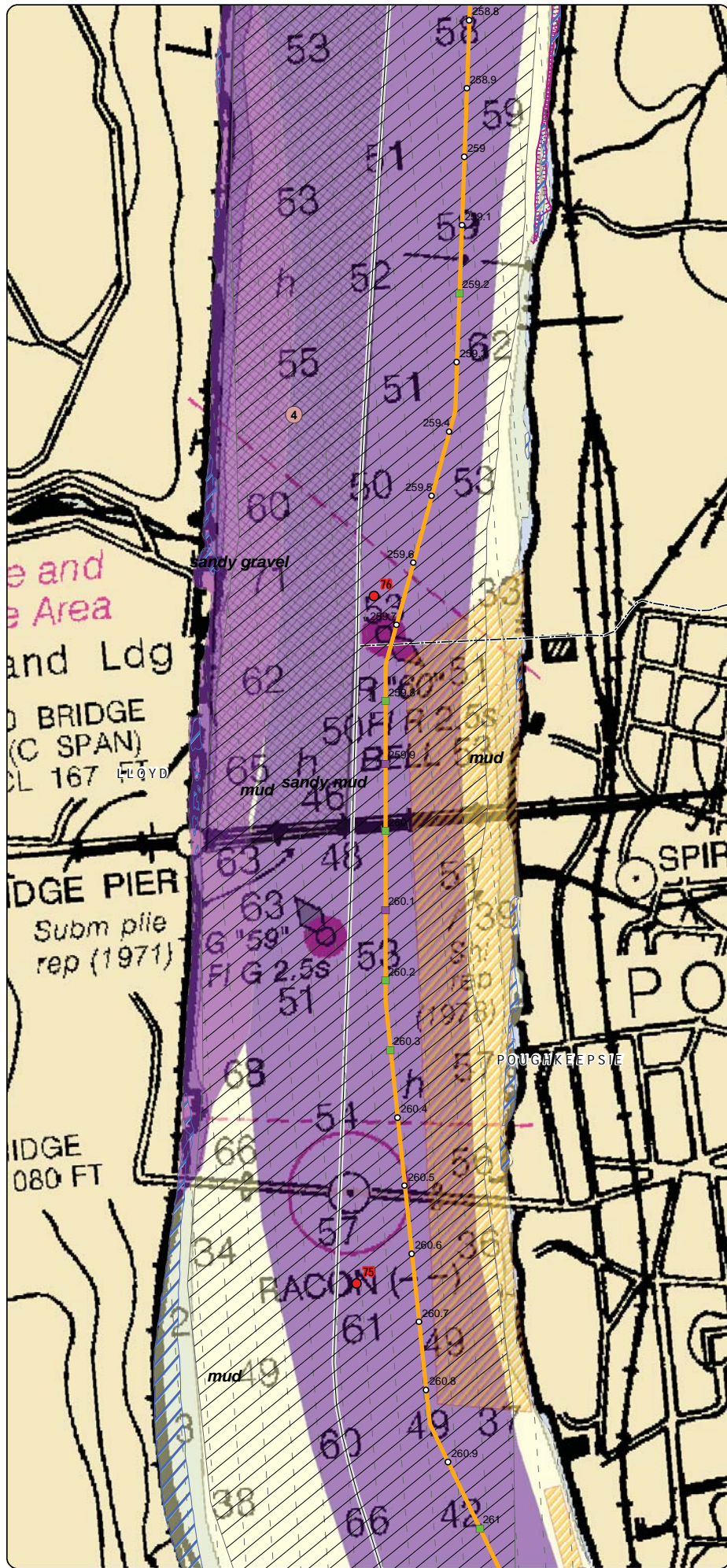
Hudson River
Project Route
 Sheet 14 of 43

 Created: 6/18/2014
 by:   & 

DATA SOURCES: ESRI, NYS DOT, NOAA, USACE, NY DOS, NY DEC, TDI, TRC

Note: Soundings are in feet. Please see NOAA website for details on chart symbology.

V:\PROJECTS\AUGUST\AUGUST\CHPE\Hudson_River_NMFS_06162014_11417.mxd



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- 1 CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Coffer Dam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) 4 Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

**Hudson River
 Project Route**
 Sheet 15 of 43

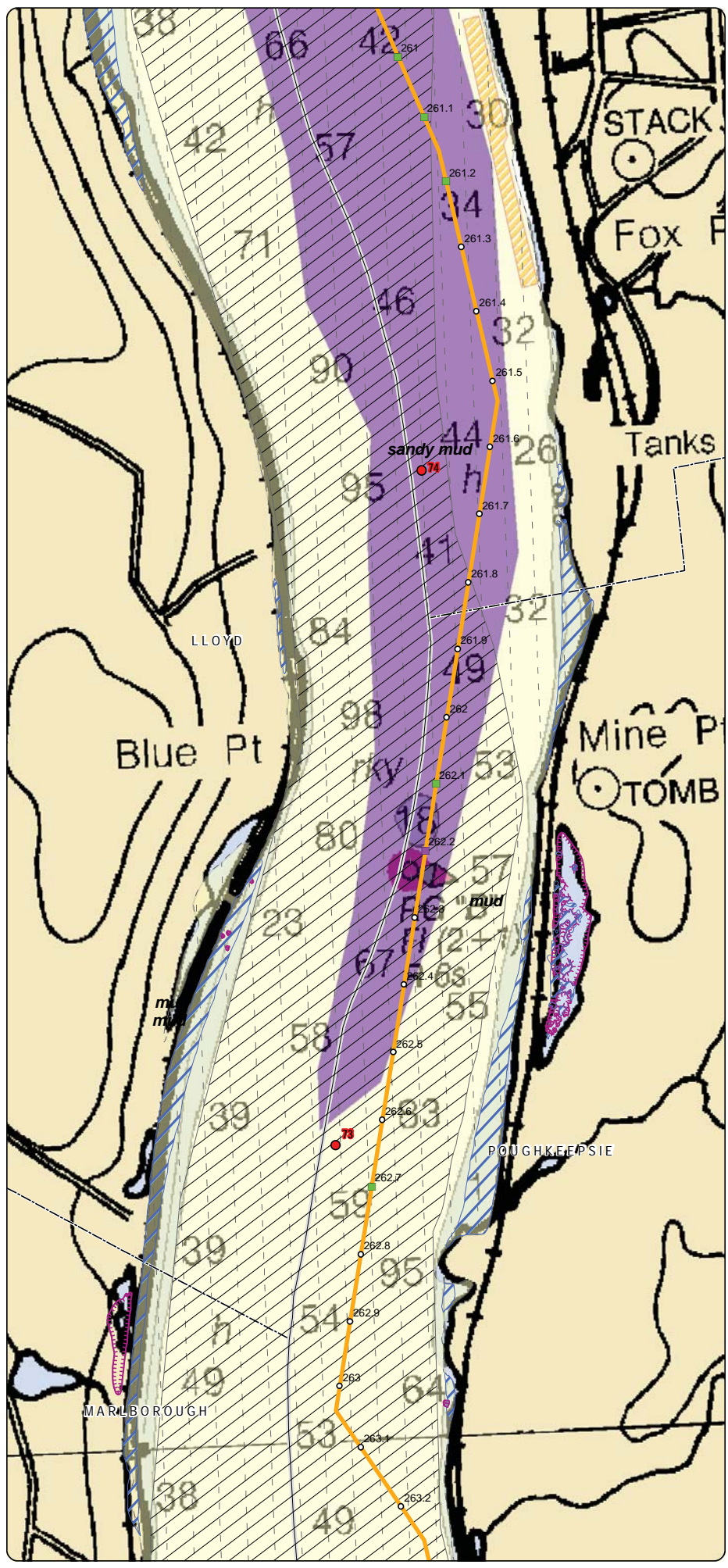
Created: 6/18/2014

by:   & 

DATA SOURCES: ESRI, NYSDOT, NOAA, USACE, NY DOS, NY DEC, TDI, TRC

Note: Soundings are in feet. Please see NOAA website for details on chart symbology.

Y:\PROJECTS\AUGUST\AUGUST\CHPE\Hudson_River_AUGUST\AUGUST\Hudson_River_AUGUST\AUGUST\11417.mxd



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- 1 CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

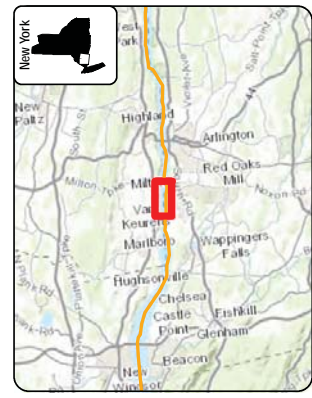
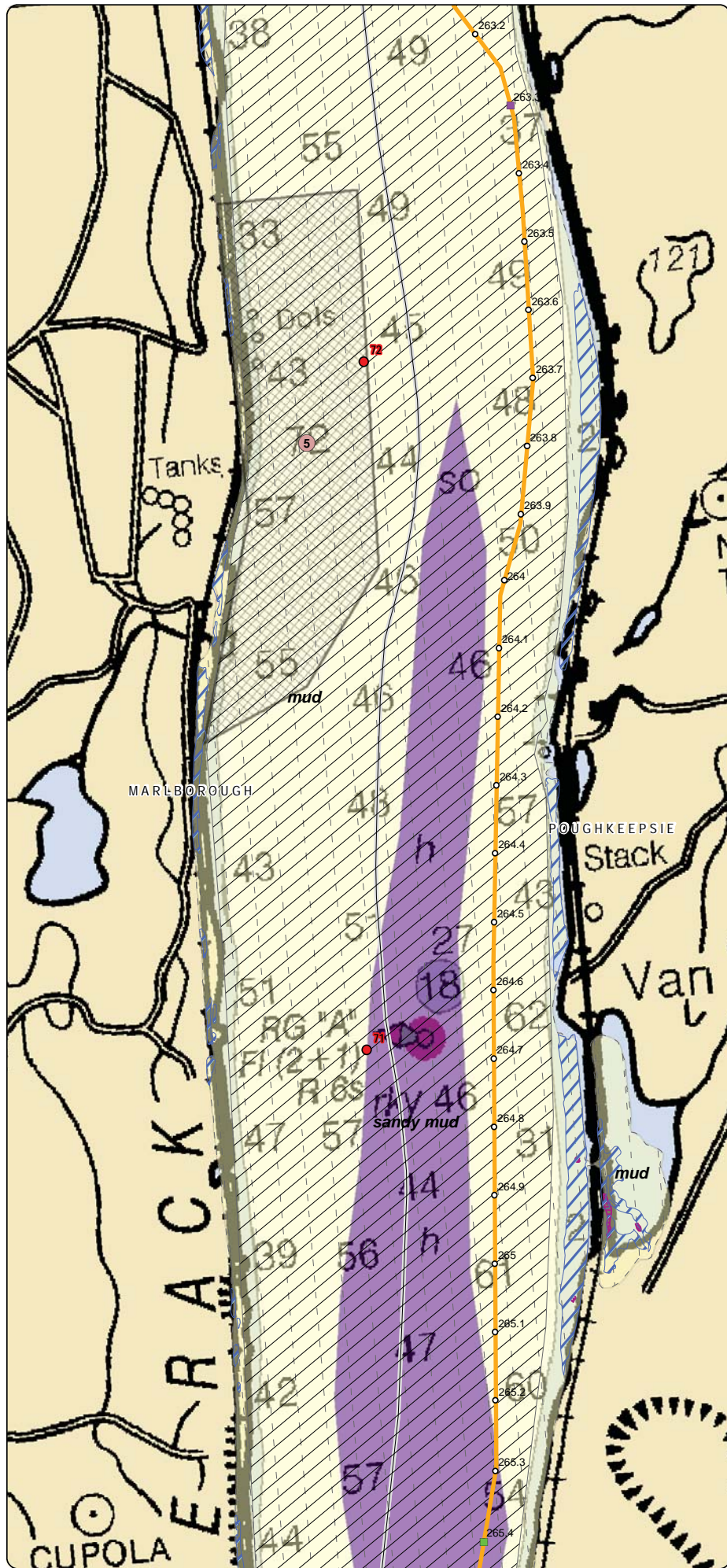
- State Boundary
- County Boundary
- Town Boundary

Transmission
Champlain Power Inc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River Project Route
 Sheet 16 of 43

Created: 6/18/2014
 by: &



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (A) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

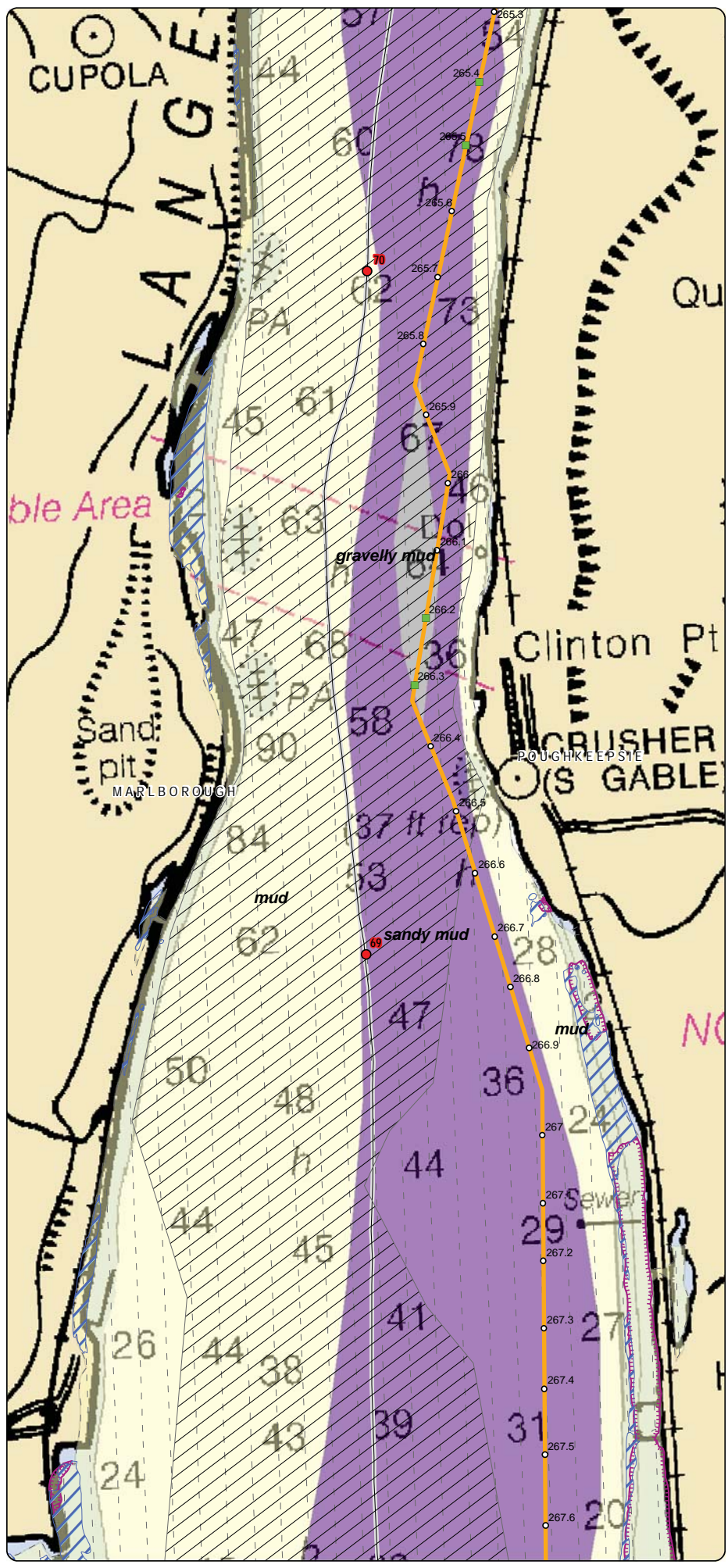
Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.
**Hudson River
 Project Route**
 Sheet 17 of 43
 Created: 6/18/2014
 by:  & 



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4 Zone Number)
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

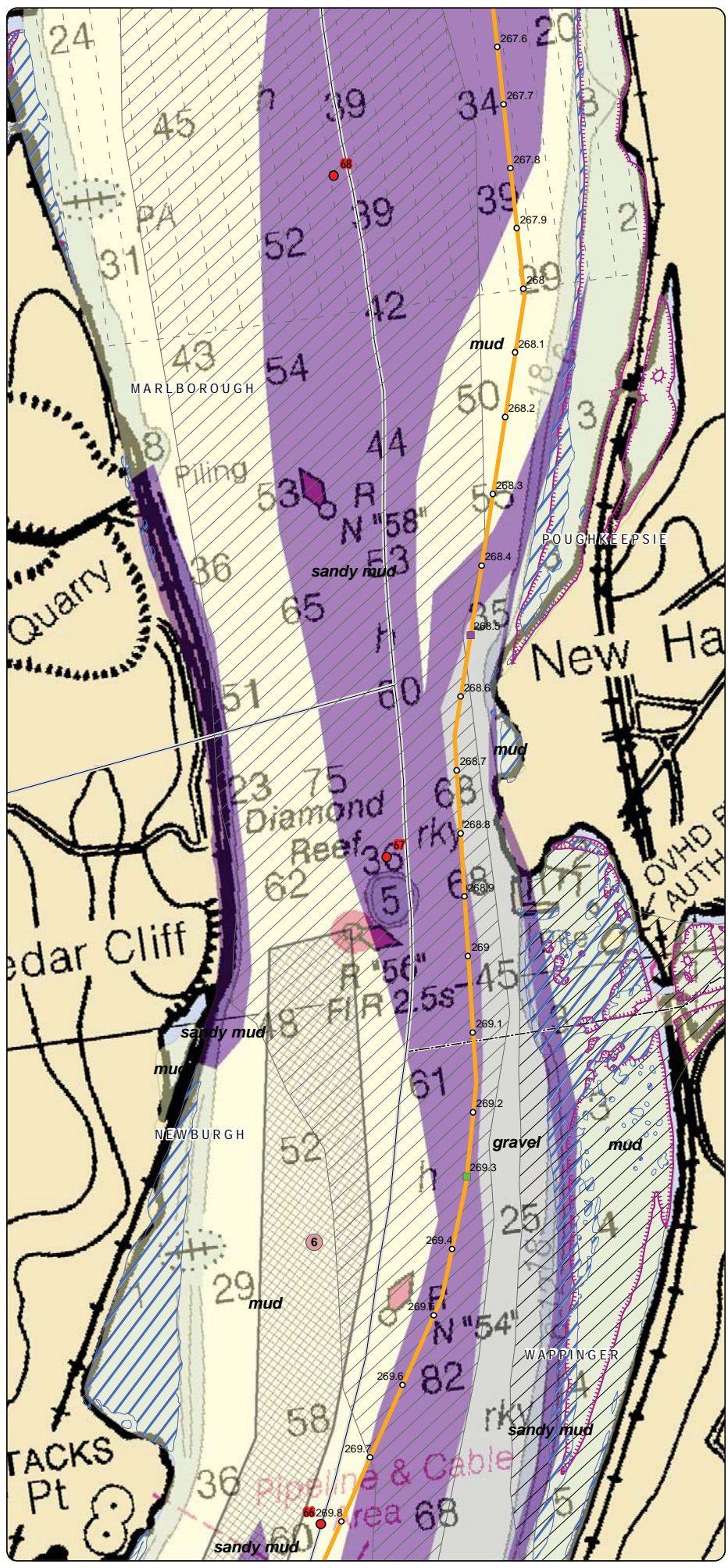
- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

Transmission
 Group
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

**Hudson River
 Project Route**
 Sheet 18 of 43

Created: 6/18/2014
 by: &



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- 0¹ CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Coffer Dam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) 4 Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

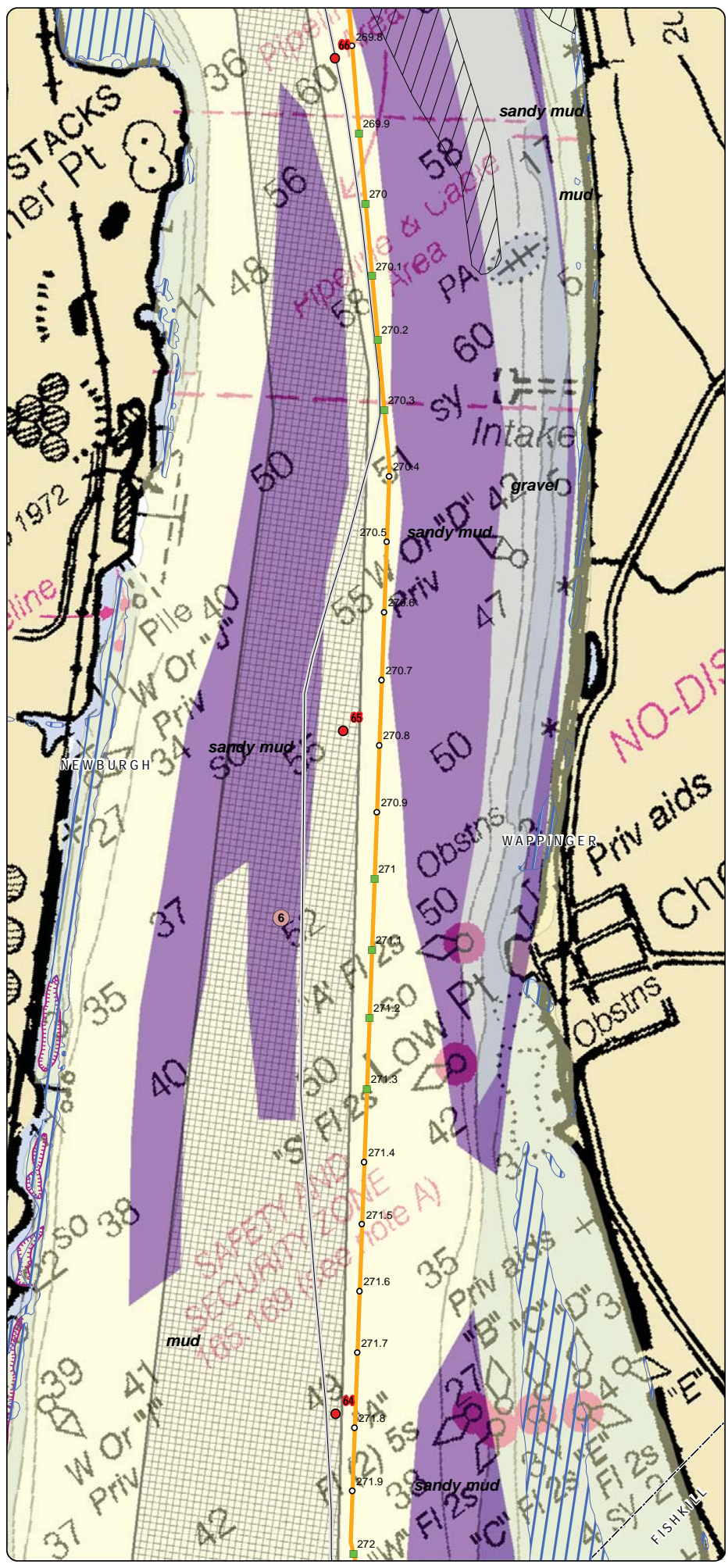
- State Boundary
- County Boundary
- Town Boundary

0 750 Feet

Transmission
Champlain Hudson Power Express Project
Champlain Hudson Power Express Inc.

Hudson River Project Route
Sheet 19 of 43

Created: 6/18/2014
by: HPR & CTRC



LEGEND

- ¹ Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- ¹ CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- ▨ Significant Coastal Fish and Wildlife Habitat
- ▨ Exclusion Zones (NYSDEC) (4) Zone Number
- ▨ Contamination Site
- - - NMFS Identified Atlantic Sturgeon Habitat
- ▨ Submerged Aquatic Veg: Valsineria (NYSDEC)
- ▨ Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- ▭ State Boundary
- ▭ County Boundary
- ▭ Town Boundary

0 750
Feet

Transmission
Champlain Hudson Power Express Project
Champlain Hudson Power Express Inc.

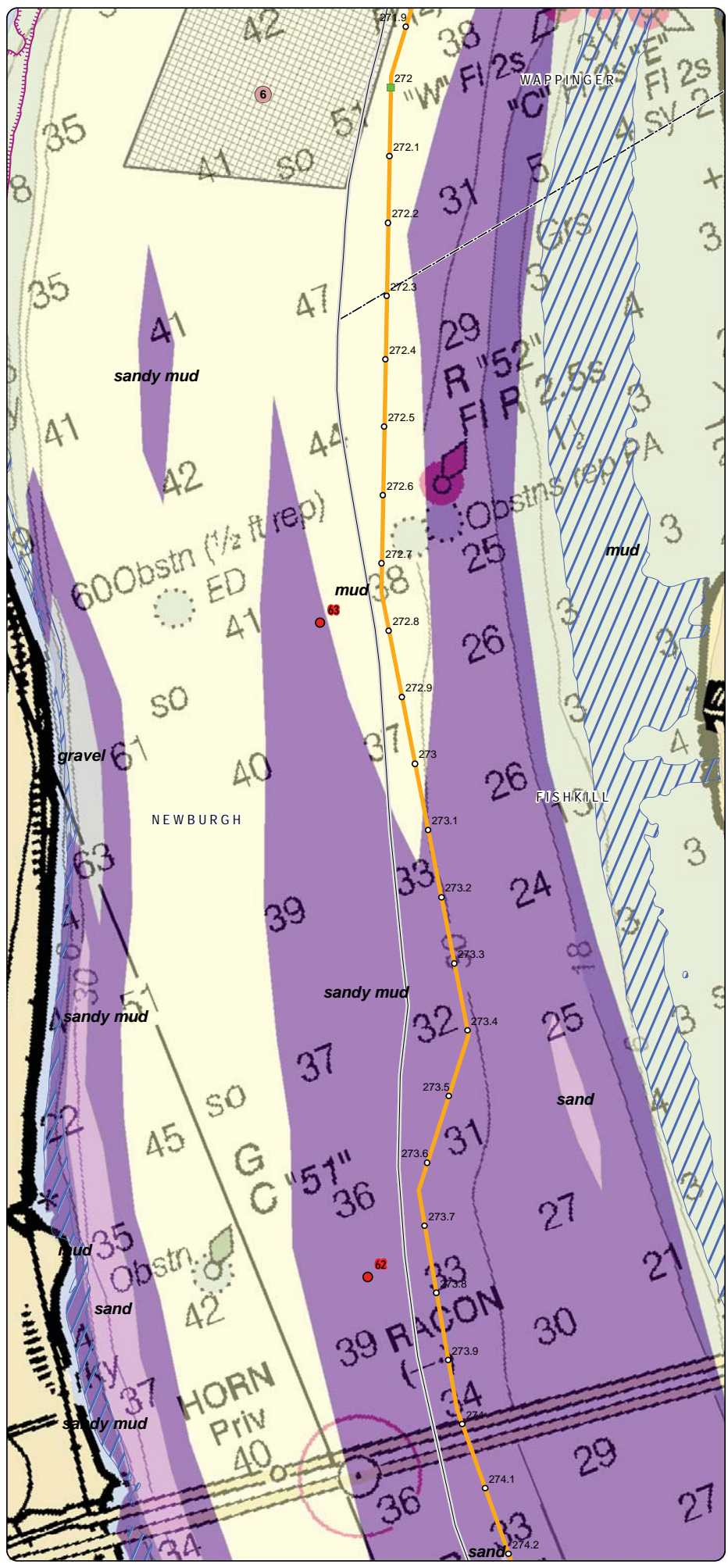
Hudson River Project Route
Sheet 20 of 43

Created: 6/18/2014
by: HTR & CTRC

DATA SOURCES: ESRI, NYSDOT, NOAA, USACE, NY DOS, NY DEC, TDI, TRC

Note: Soundings are in feet. Please see NOAA website for details on chart symbology.

V:\PROJECT\SAUGUS\AVD\CHPE\Hudson_River_AMF\5_06162014_C11417.mxd



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferd Dam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Vallisneria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

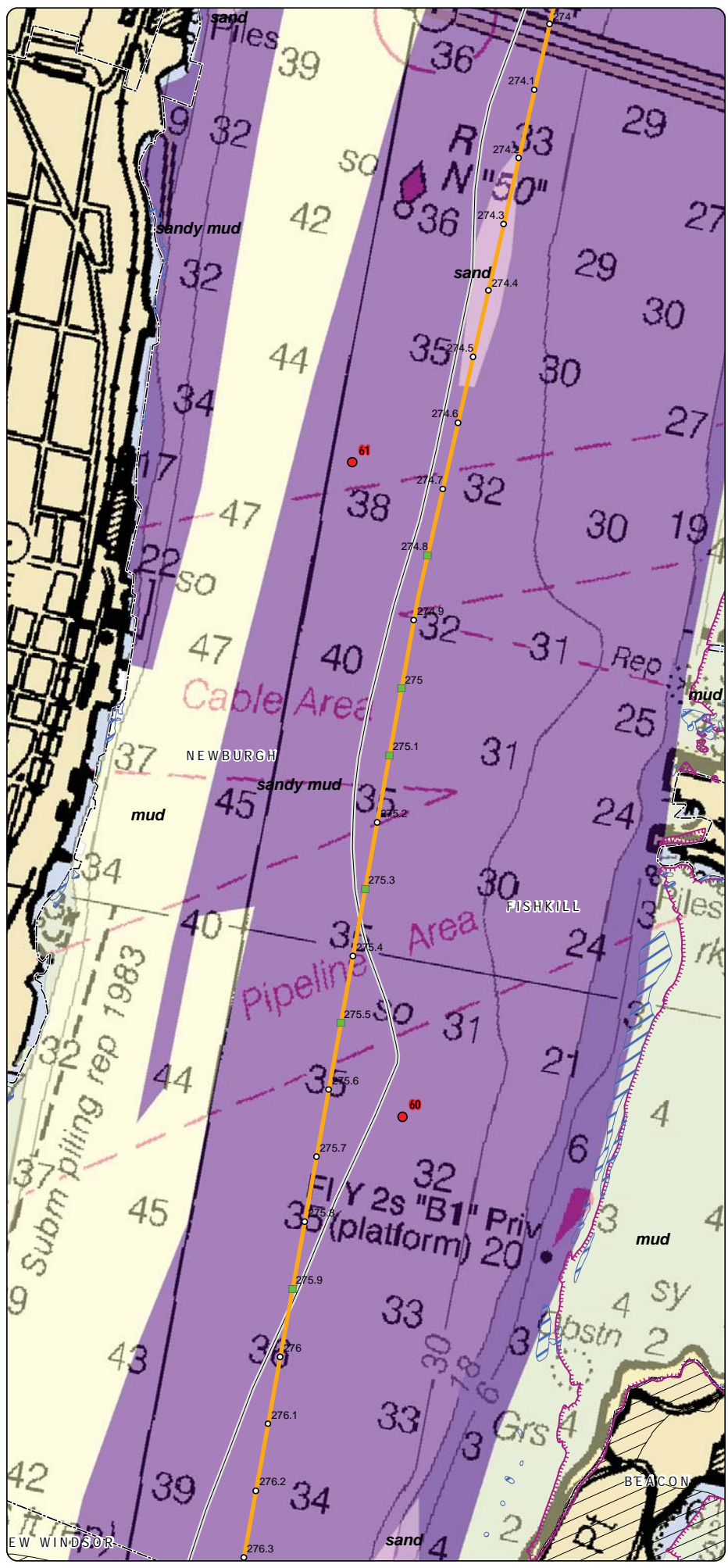
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Group
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
Project Route
 Sheet 21 of 43

 Created: 6/18/2014
 by: HPR & TRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (A) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

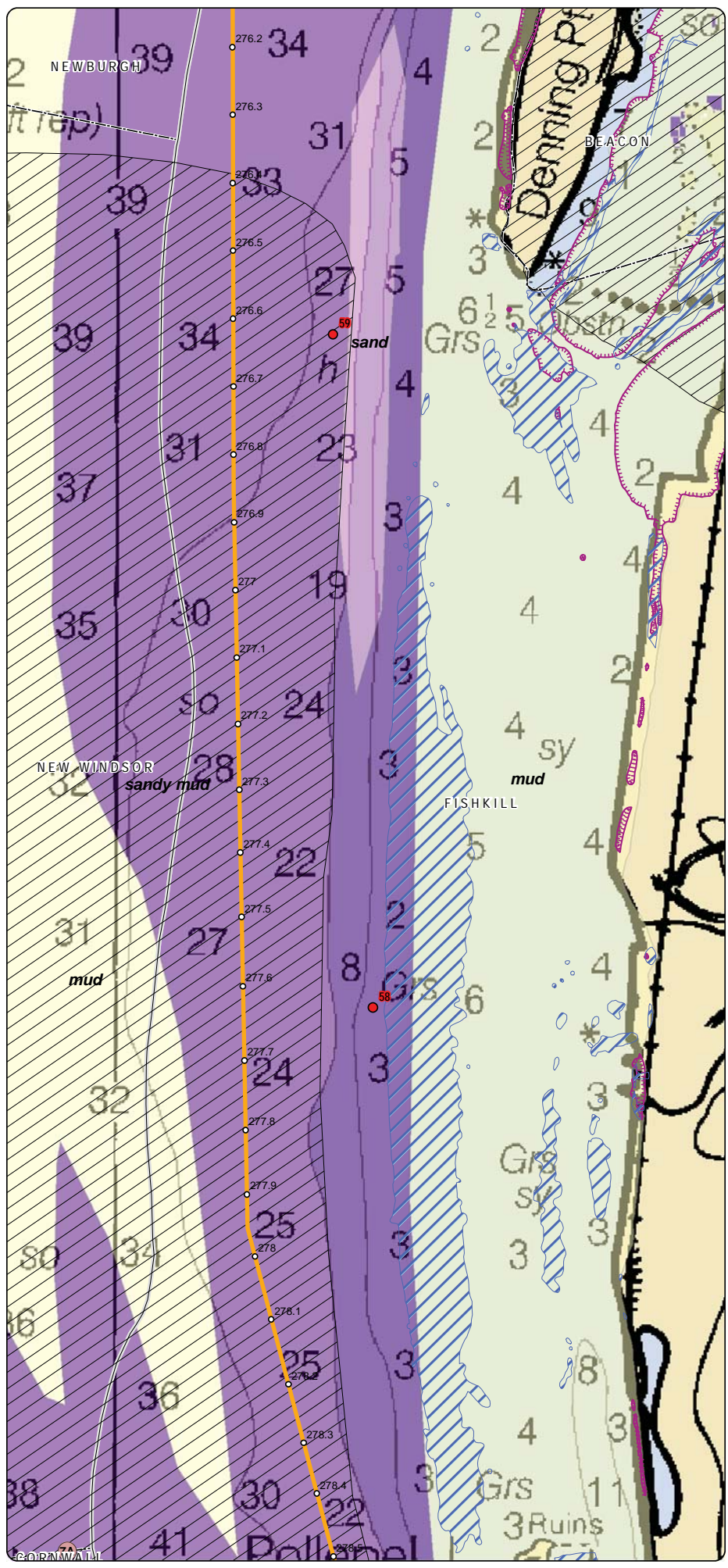
Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.
**Hudson River
 Project Route**
 Sheet 22 of 43
 Created: 6/18/2014
 by: HTR & CTRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- 1 CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (Zone Number)
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

0 750
 Feet

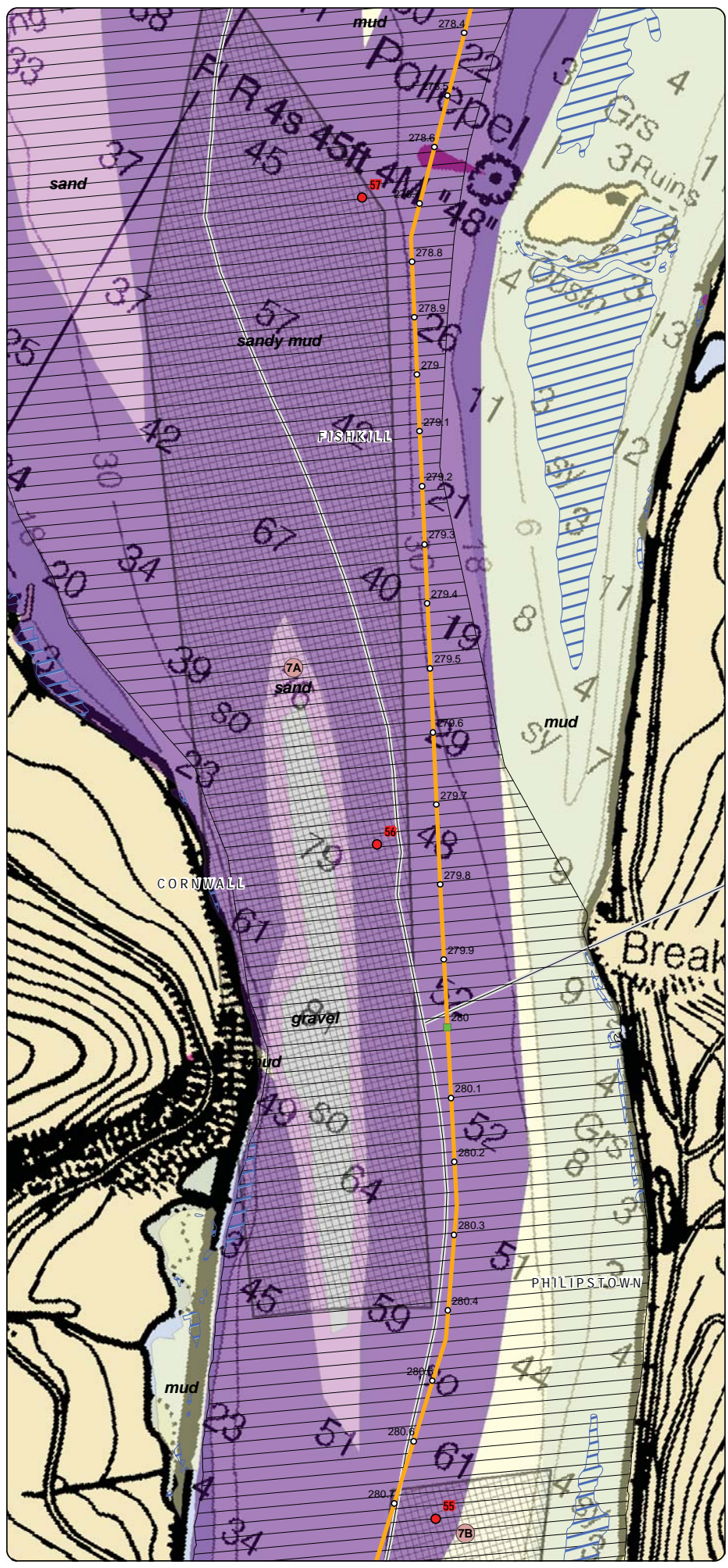
Transmission
Champlain Power Inc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
Project Route
 Sheet 23 of 43

Created: 6/18/2014
 by: HPR & CTRC

V:\PROJECT\SAUGUS\AUGUST\CHPE\Hudson_River_NMFS_06162014_C11417.mxd



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferd Dam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4 Zone Number)
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

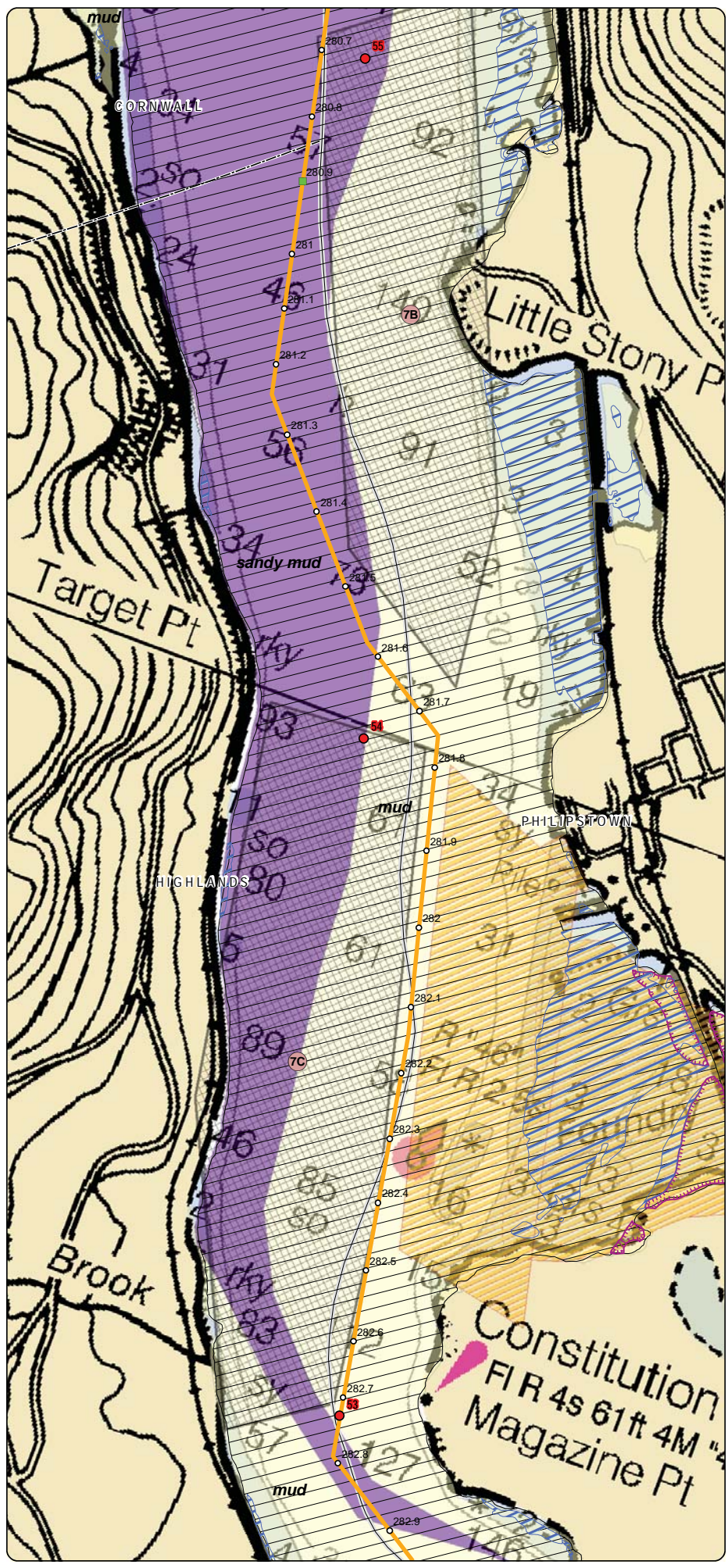
- State Boundary
- County Boundary
- Town Boundary

0 750
 Feet

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

**Hudson River
 Project Route**
 Sheet 24 of 43

Created: 6/18/2014
 by: HTR & CTRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (A) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

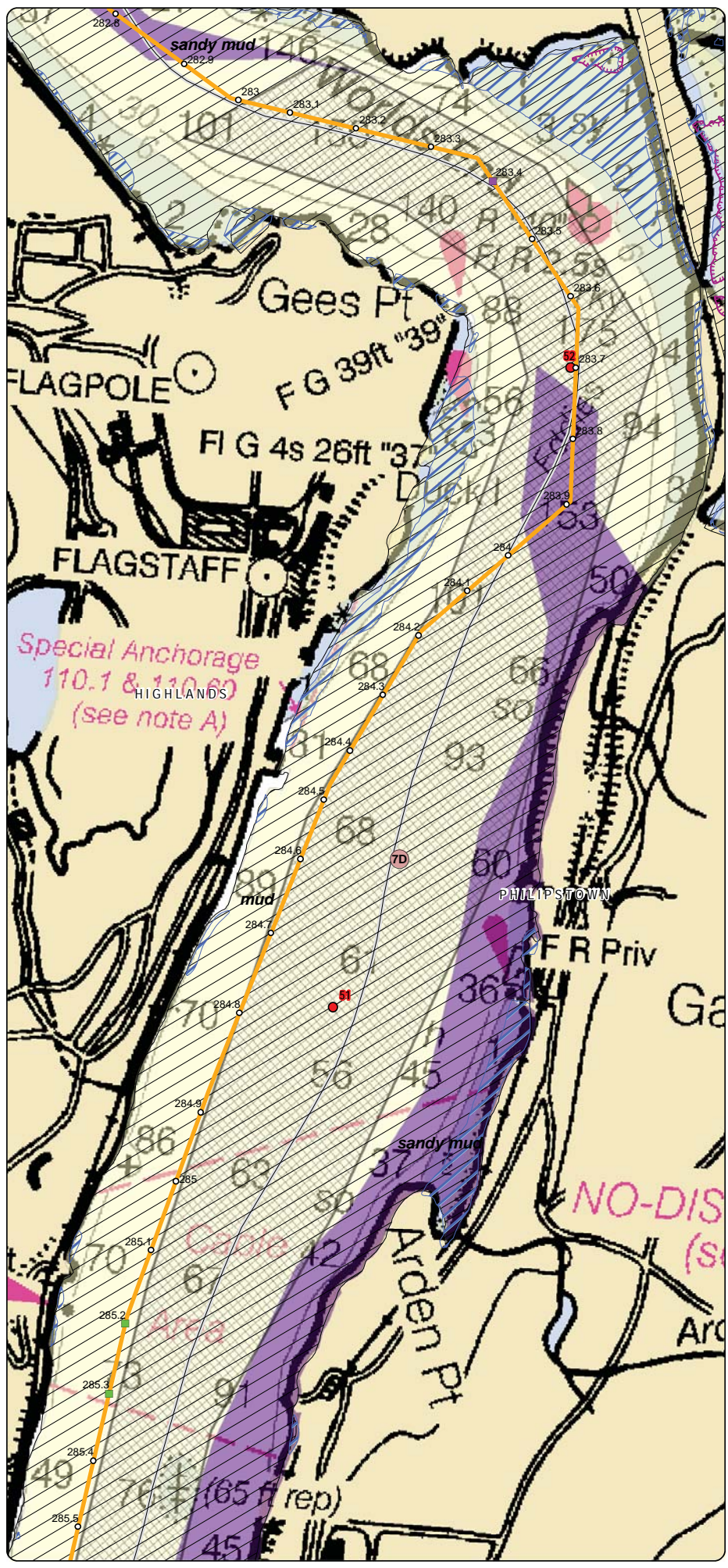
0 750
Feet


Transmission
Champlain Power, etc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River Project Route
 Sheet 25 of 43

Created: 6/18/2014
 by:   & 



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- 1 CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

0 750
Feet

Transmission
Champlain Hudson Power Express Project
Champlain Hudson Power Express Inc.

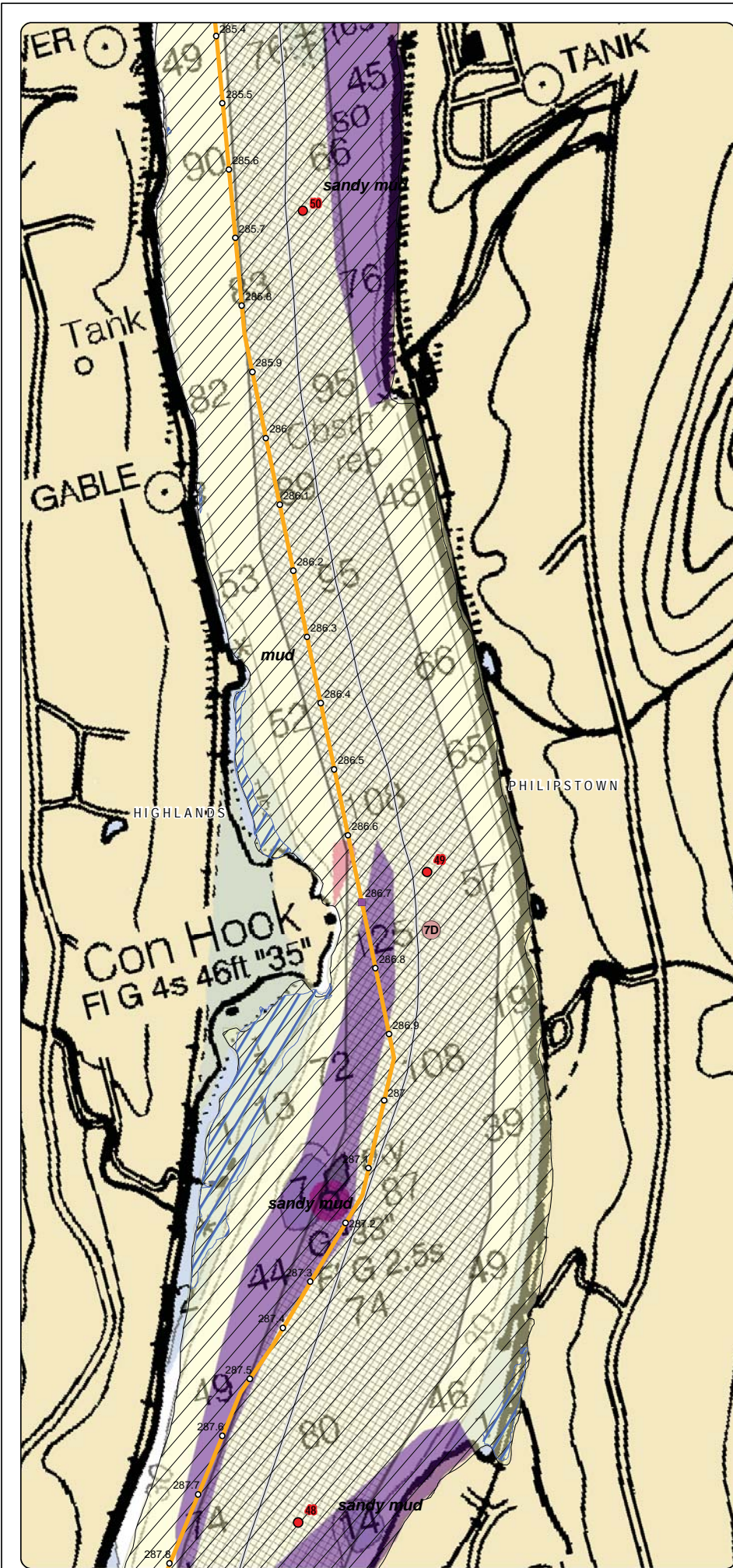
**Hudson River
Project Route**
Sheet 26 of 43

Created: 6/18/2014
by: HTR & TRC

DATA SOURCES: ESRI, NYSDOT, NOAA, USACE, NY DOS, NY DEC, TDI, TRC

Note: Soundings are in feet. Please see NOAA website for details on chart symbology.

Y:\PROJECT\SAUGUS\AUGUST\CHPE\Hudson_River_MFS_06162014_11x17.mxd



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

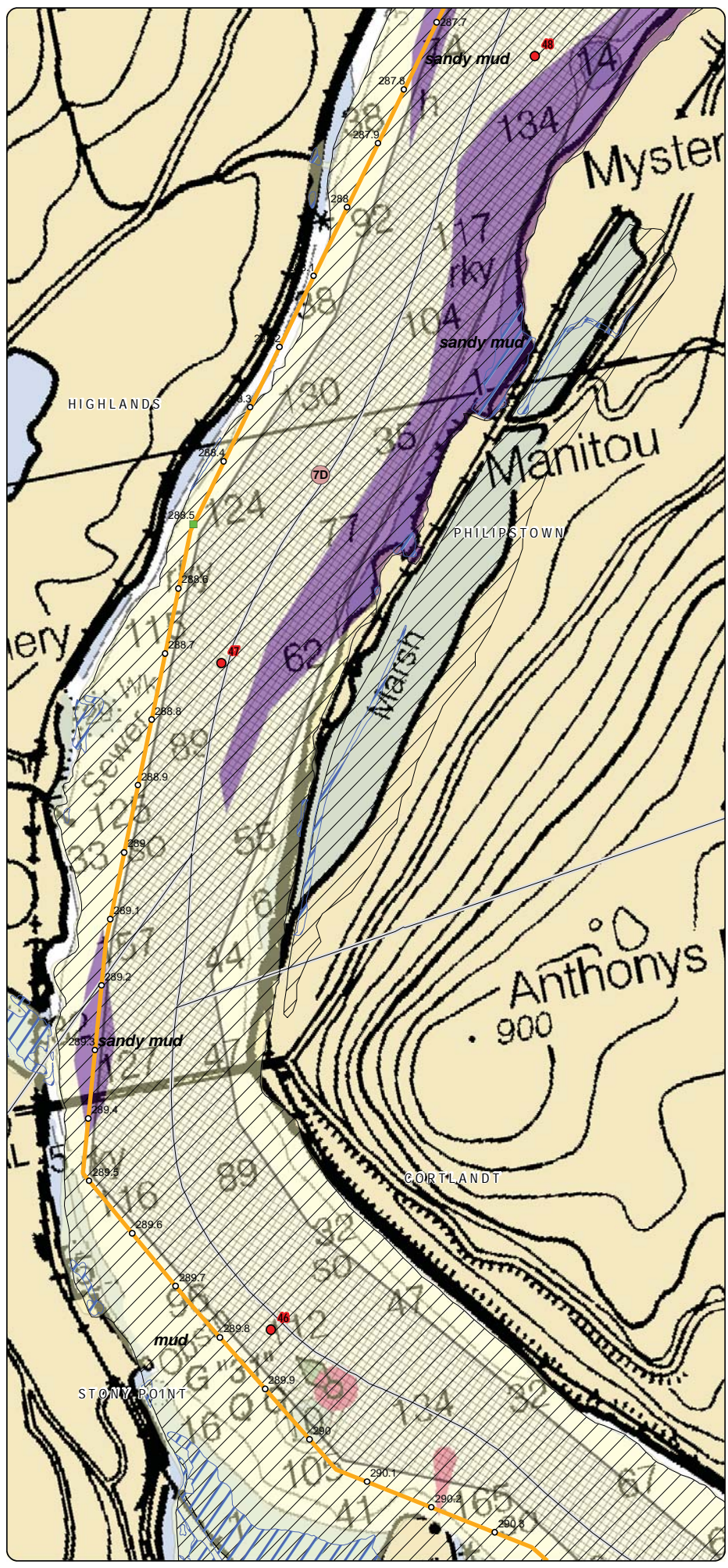
Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

0 750
Feet

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.
**Hudson River
 Project Route**
 Sheet 27 of 43
 Created: 6/18/2014
 by: HTR & TRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- 1 CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) 4 Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

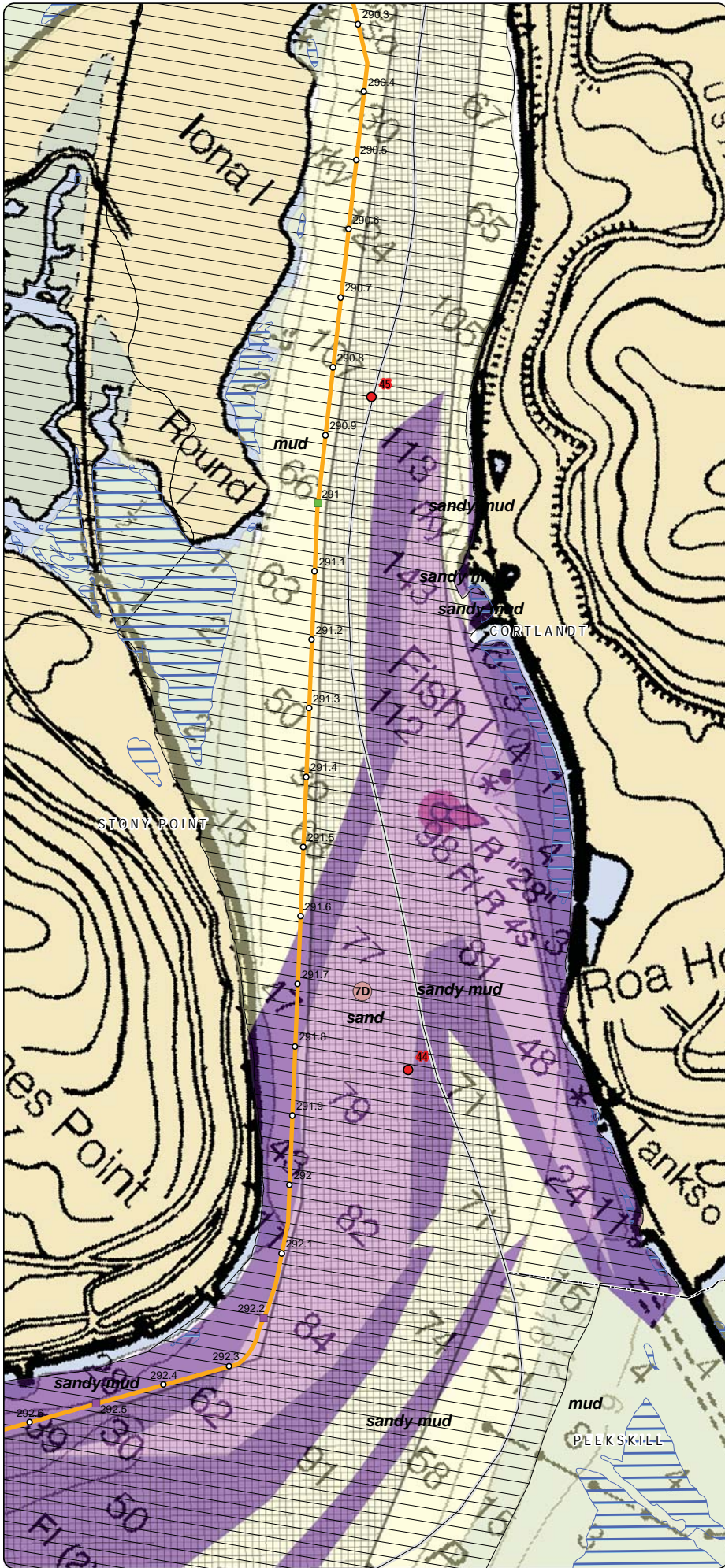
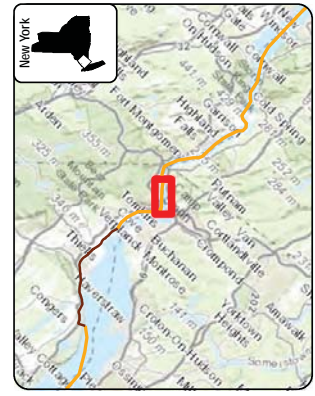
- State Boundary
- County Boundary
- Town Boundary

Feet

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
 Project Route
 Sheet 28 of 43

Created: 6/18/2014
 by: &



LEGEND

- Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Coffer Dam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

State Boundary
County Boundary
Town Boundary

0 750
Feet

Transmission
Champlain Hudson Power Express Project
Champlain Hudson Power Express Inc.

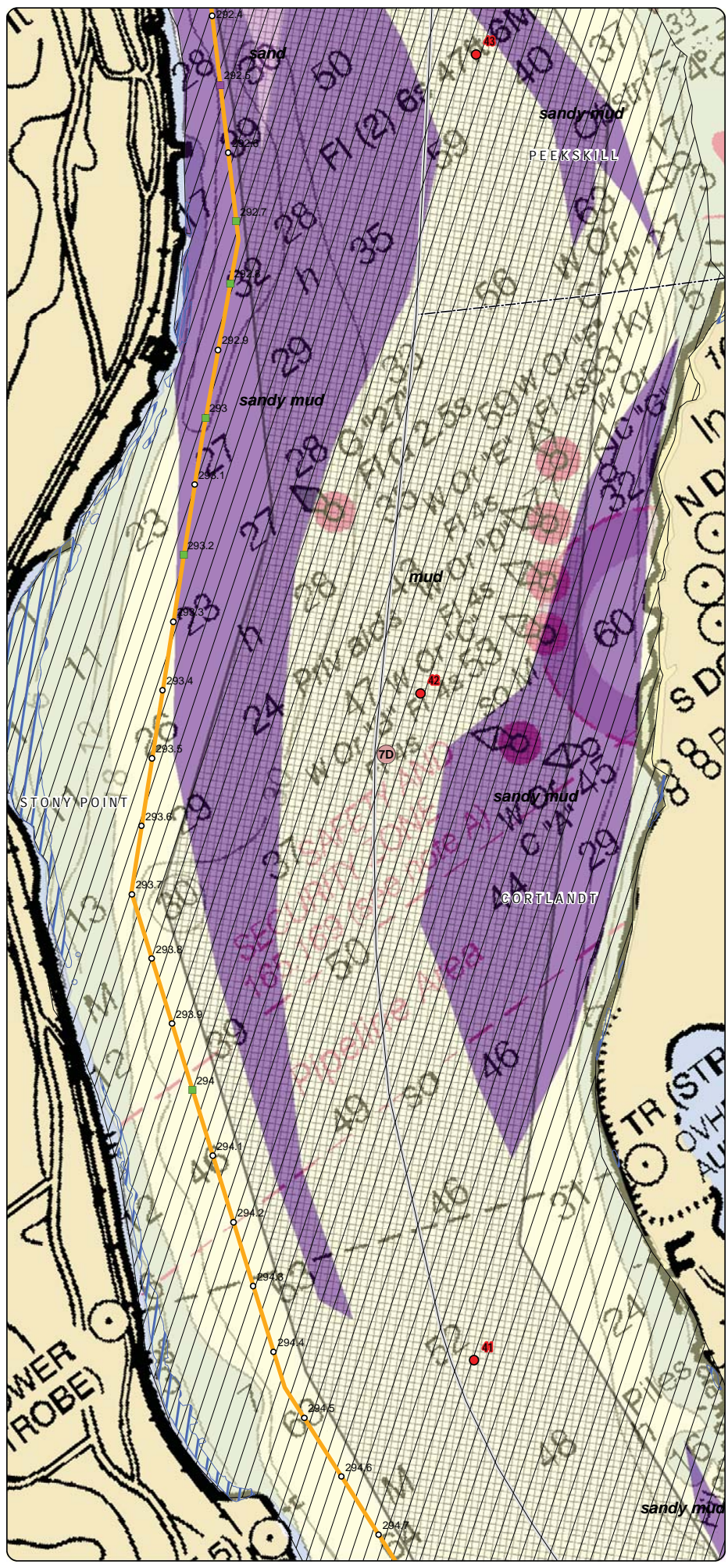
**Hudson River
Project Route**
Sheet 29 of 43

Created: 6/18/2014
by: HTR & CTRC

DATA SOURCES: ESRI, NYSDOT, NOAA, USACE, NY DOS, NY DEC, TDI, TRC

Note: Soundings are in feet. Please see NOAA website for details on chart symbology.

\\PROJECT\SAUGUS\VD\CHPE\Hudson_River_AWFS_06162014_11417.mxd



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

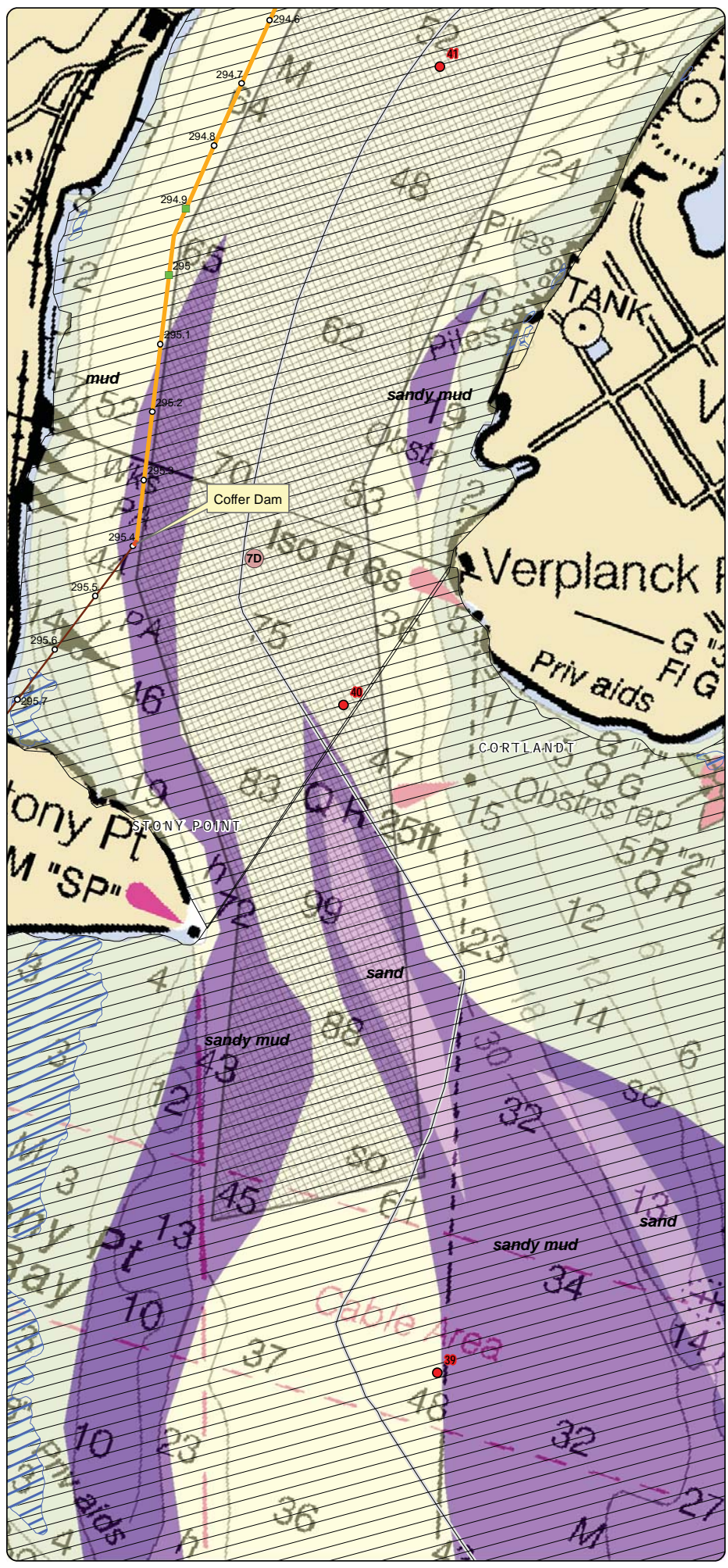
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Group
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River Project Route
 Sheet 30 of 43

 Created: 6/18/2014
 by:   & 



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (A) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

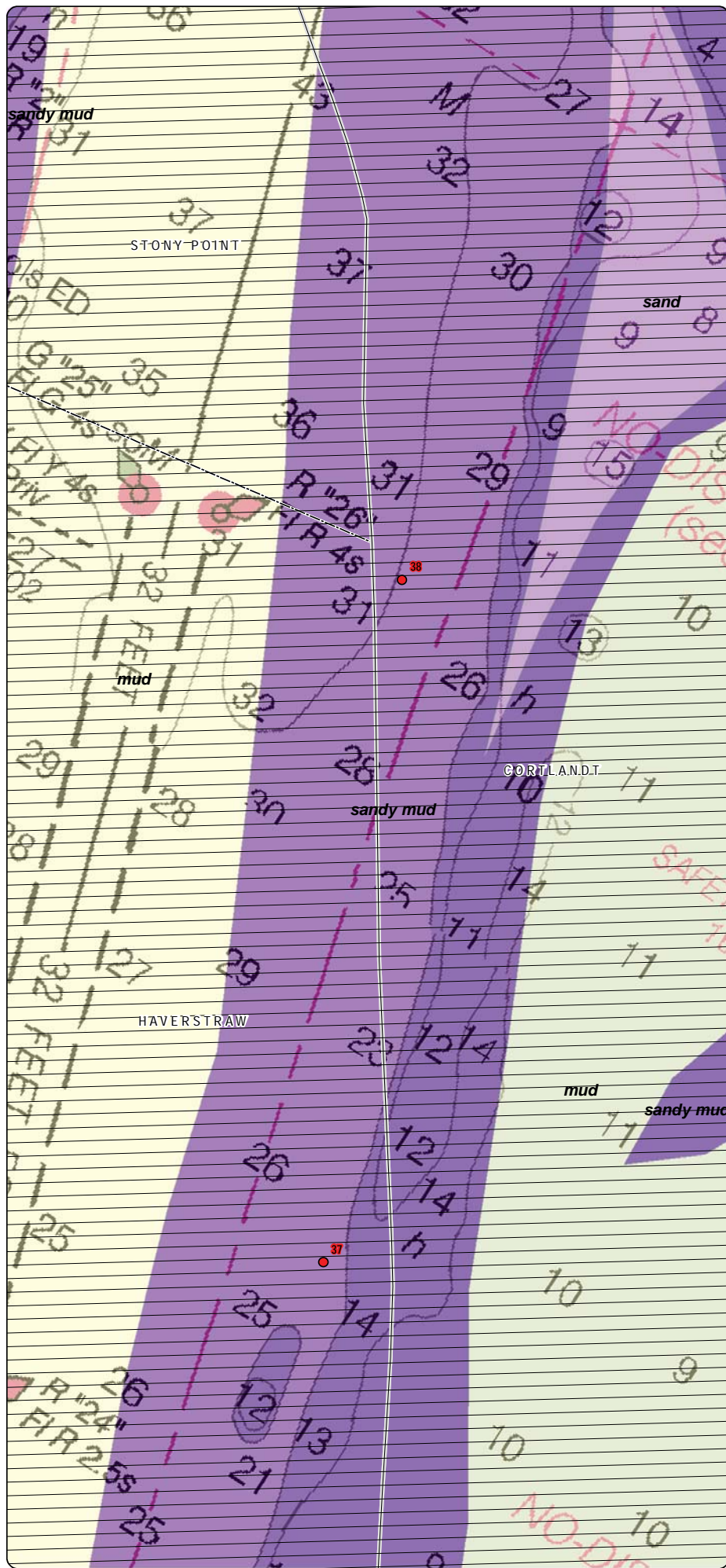
**Hudson River
 Project Route**
 Sheet 31 of 43

Created: 6/18/2014
 by:   & 

DATA SOURCES: ESRI, NYSDOT, NOAA, USACE, NY DOS, NY DEC, TDI, TRC

Note: Soundings are in feet. Please see NOAA website for details on chart symbology.

V:\PROJECT\SAUGUS\AVD\CHPE\Hudson_River_AMF\S_06162014_C11x17.mxd



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (A) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

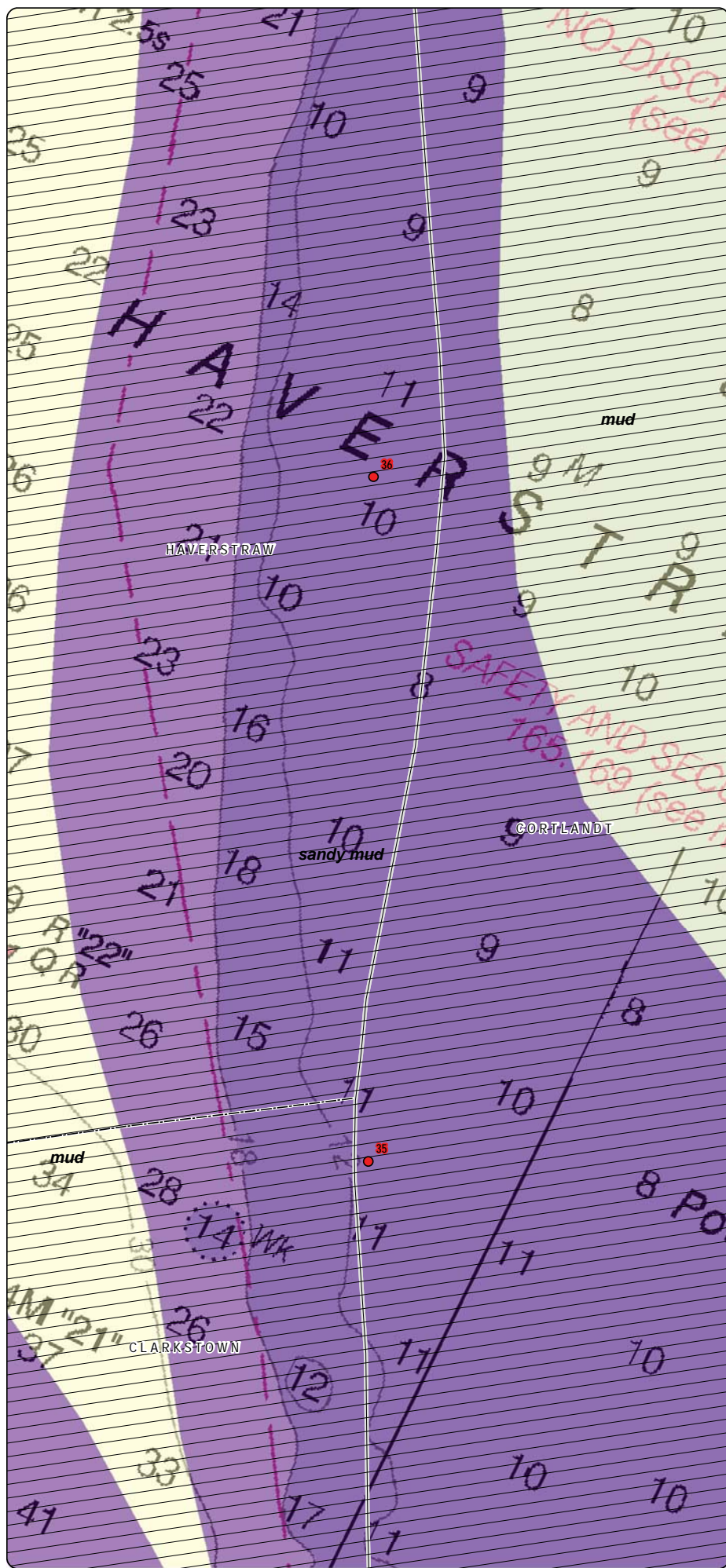
- State Boundary
- County Boundary
- Town Boundary

Transmission
Construction Inc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River Project Route
 Sheet 32 of 43

Created: 6/18/2014
 by: &



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (A) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

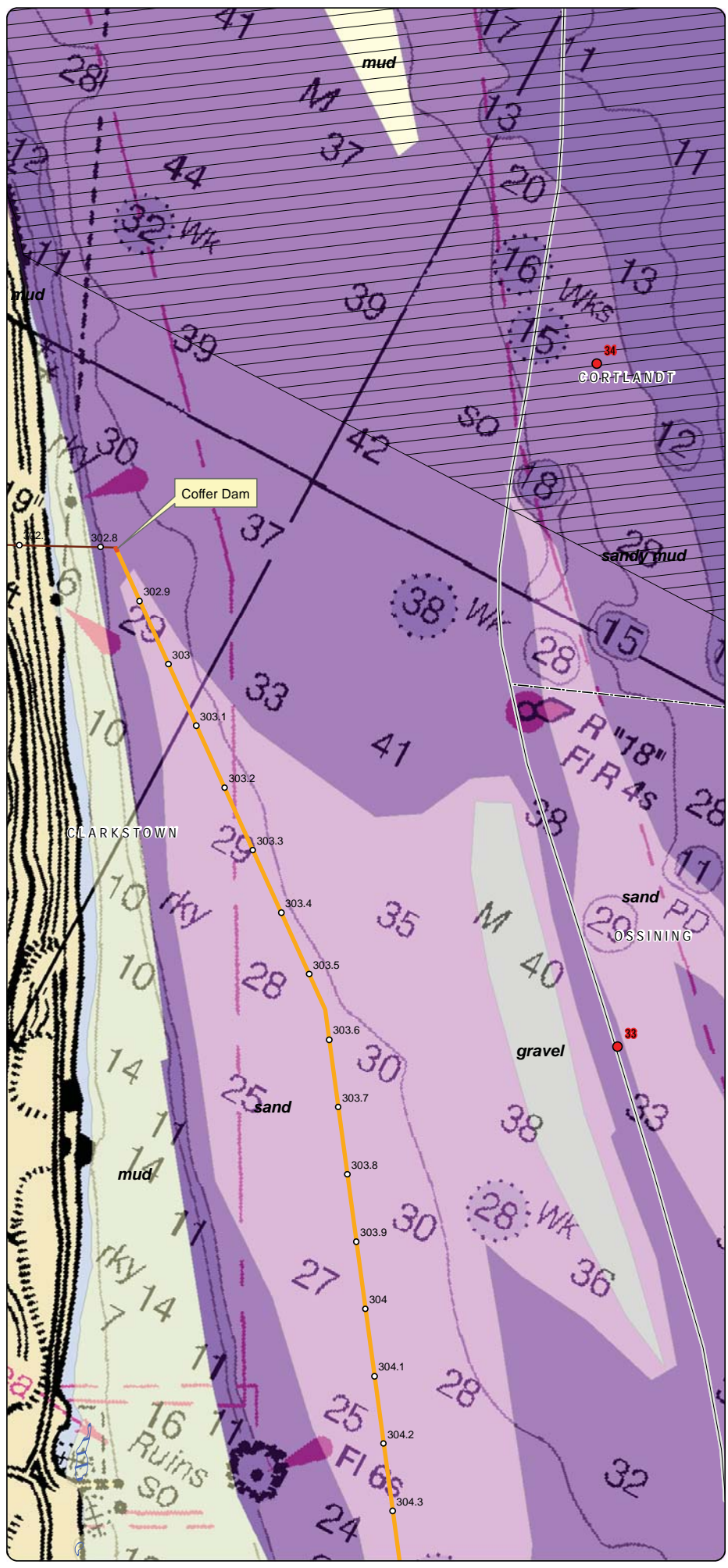
0 750
Feet


Transmission
Corporations etc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
Project Route
 Sheet 33 of 43

Created: 6/18/2014
 by:   & 



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Coffer Dam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (A Zone Number)
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

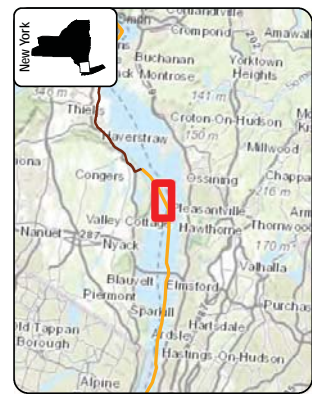
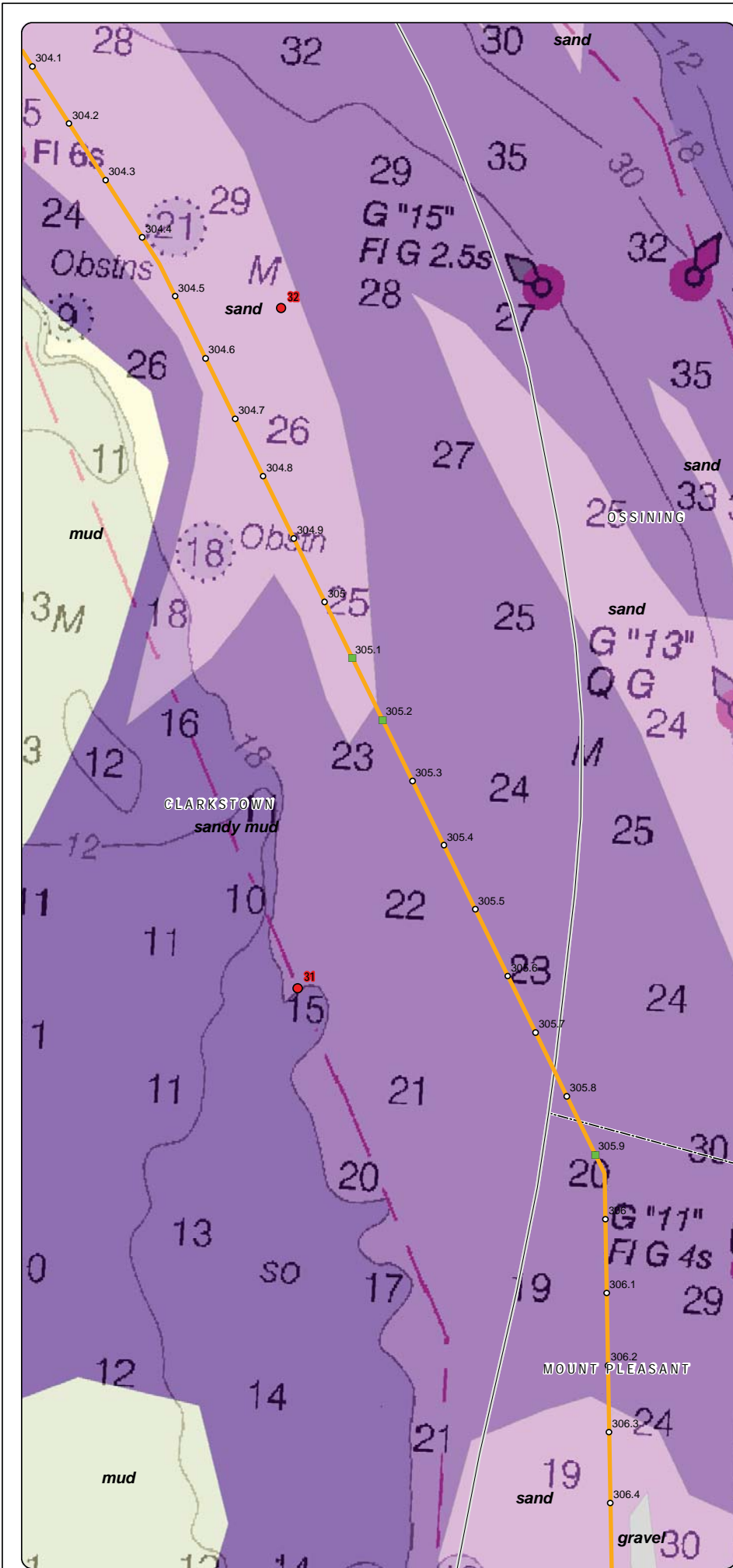
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

**Hudson River
 Project Route**
 Sheet 34 of 43

Created: 6/18/2014
 by: HTR & TRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (A) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

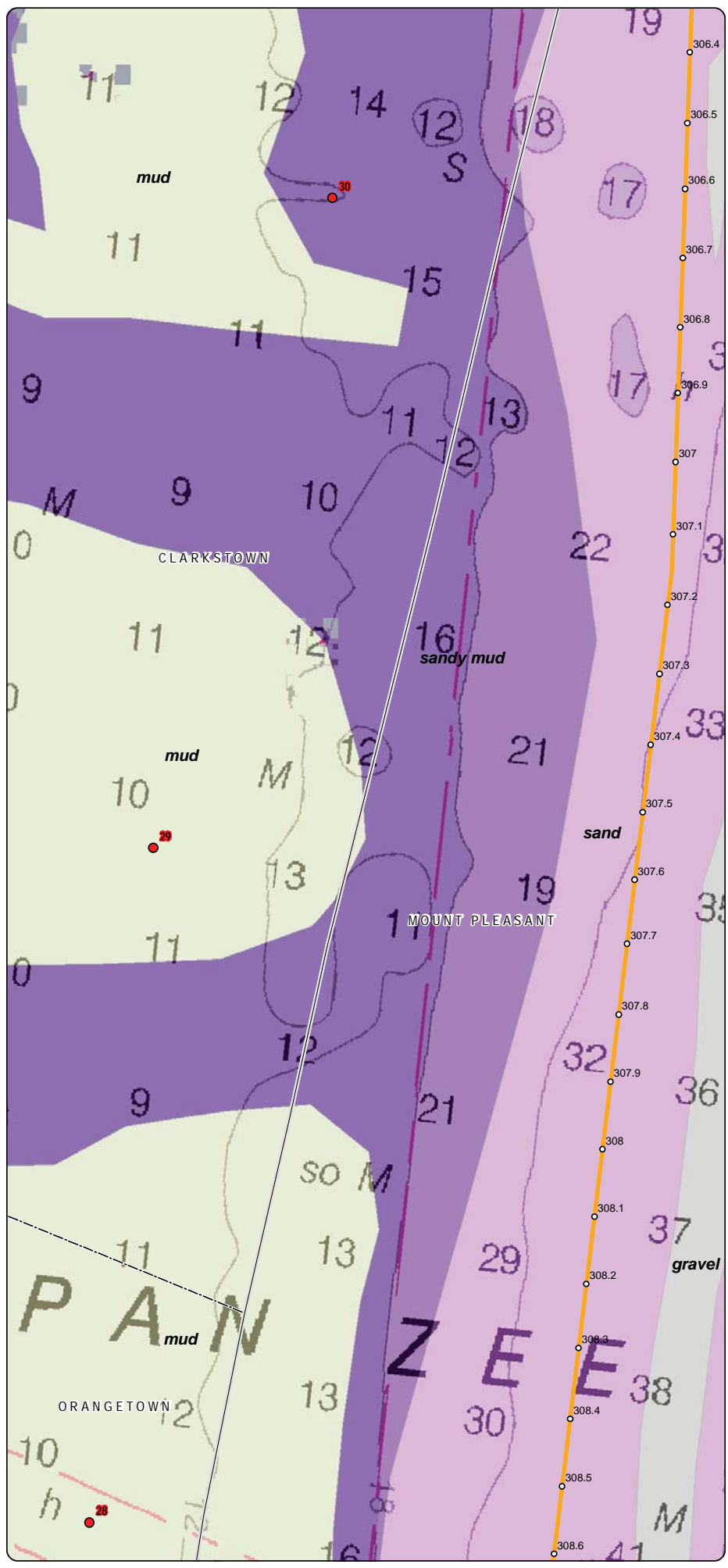
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

**Hudson River
 Project Route**
 Sheet 35 of 43

Created: 6/18/2014
 by: HTR & CTRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

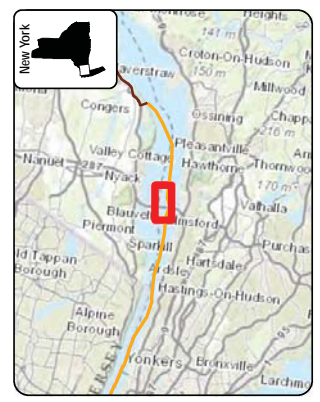
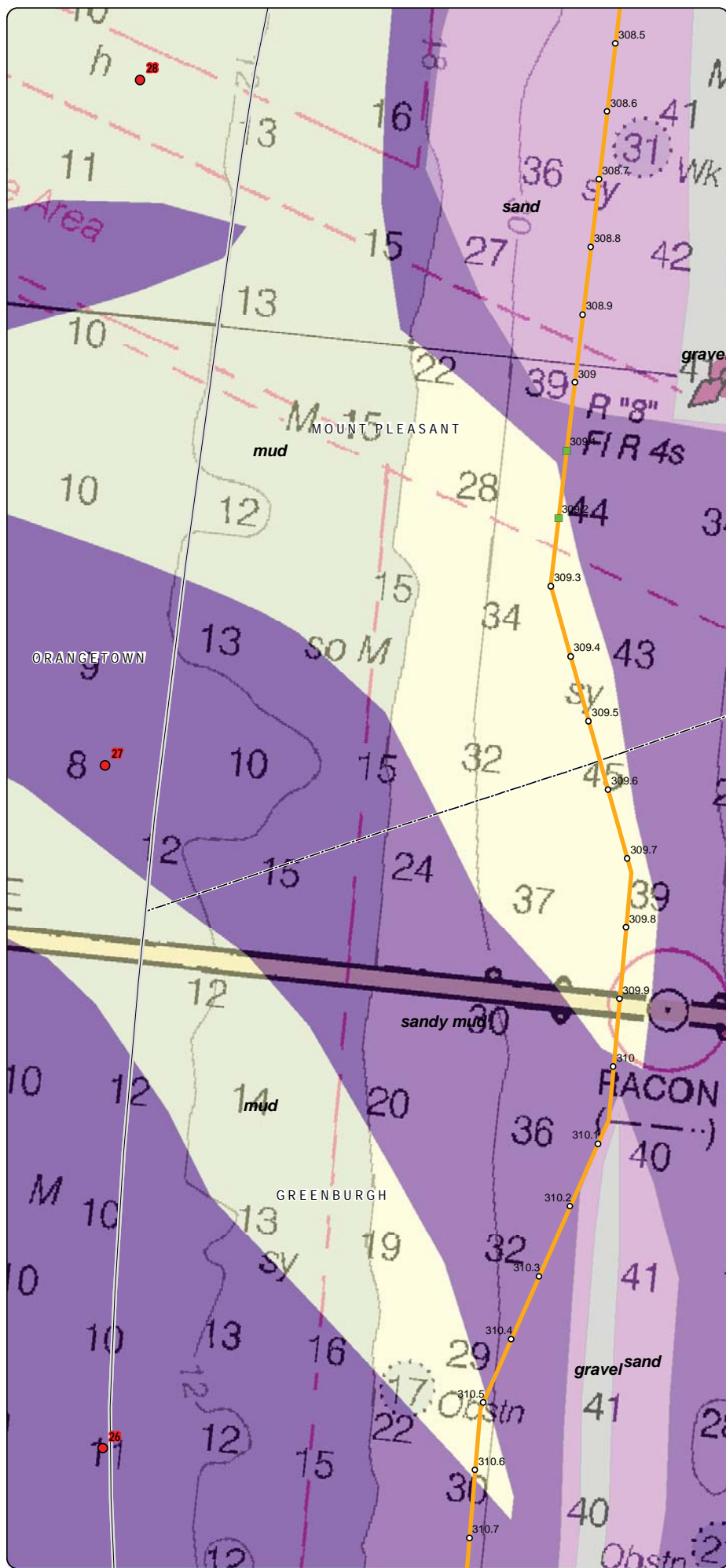
0 750
Feet


Transmission
Construction Inc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
Project Route
 Sheet 36 of 43

Created: 6/18/2014
 by: HTR & CTRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (A Zone Number)
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

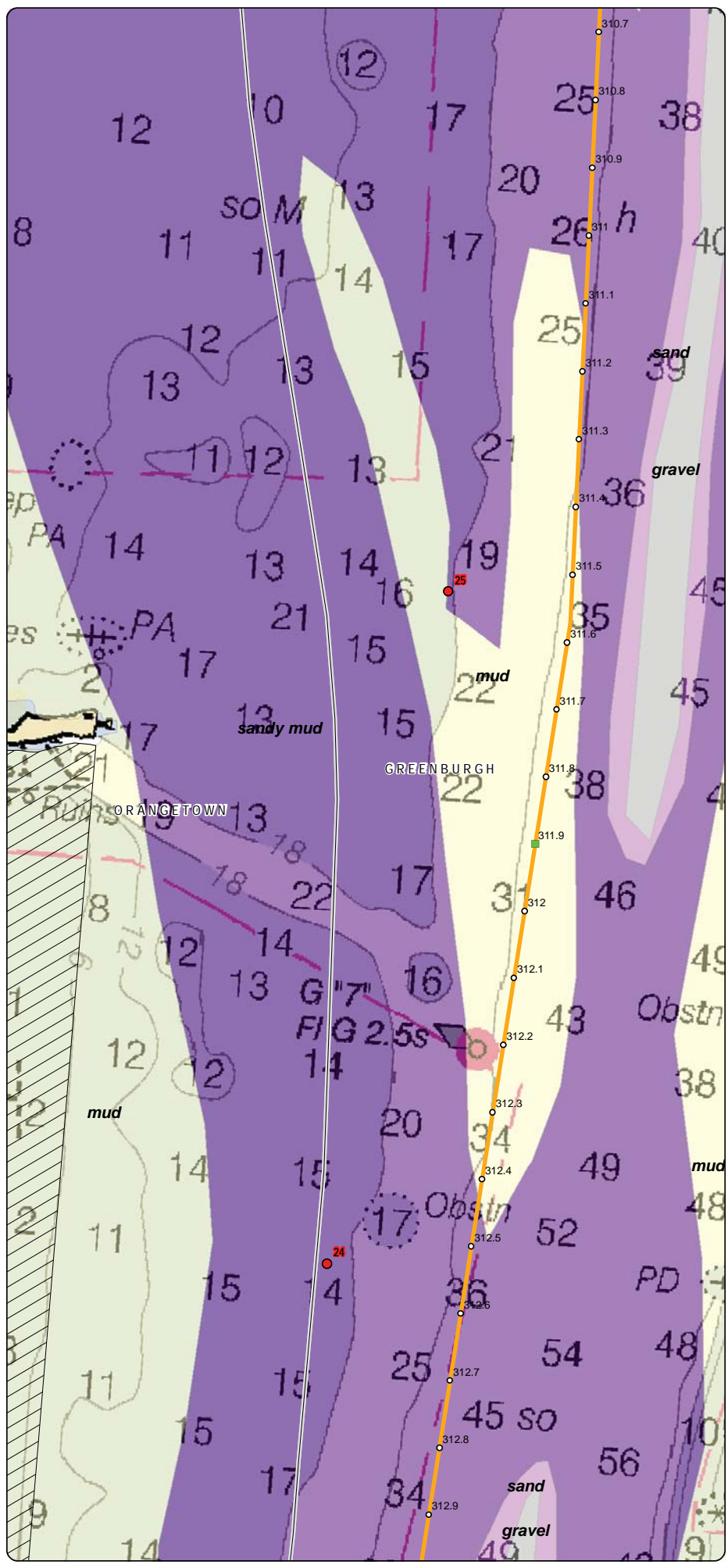
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
Project Route
 Sheet 37 of 43

 Created: 6/18/2014
 by: HPR & CTRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (Zone Number)
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

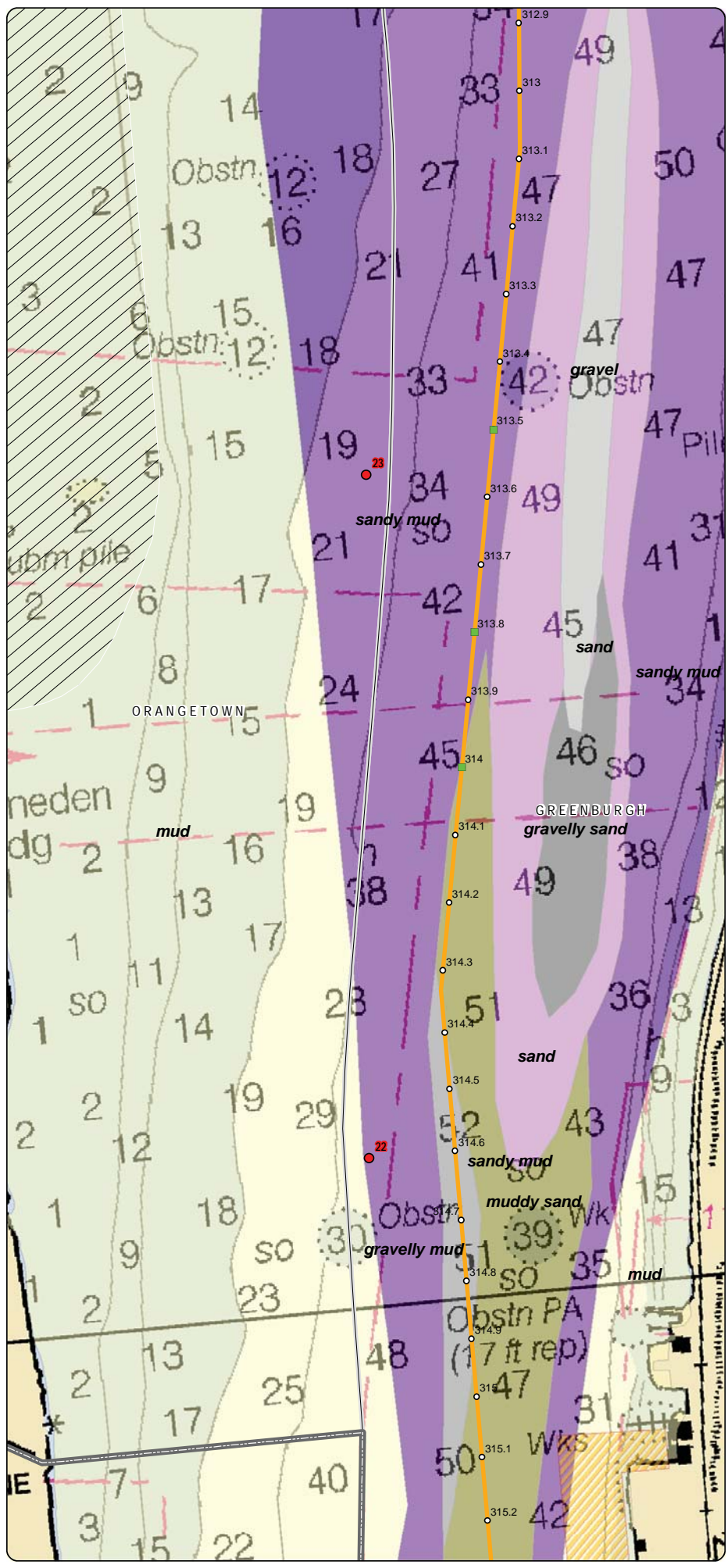
Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.
Hudson River
Project Route
 Sheet 38 of 43
 Created: 6/18/2014
 by: HTR & CTRC



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

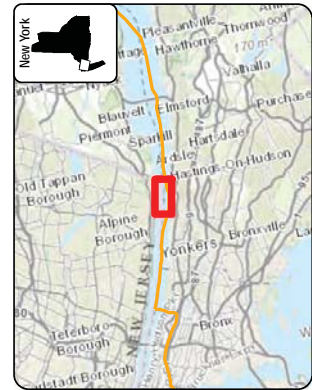
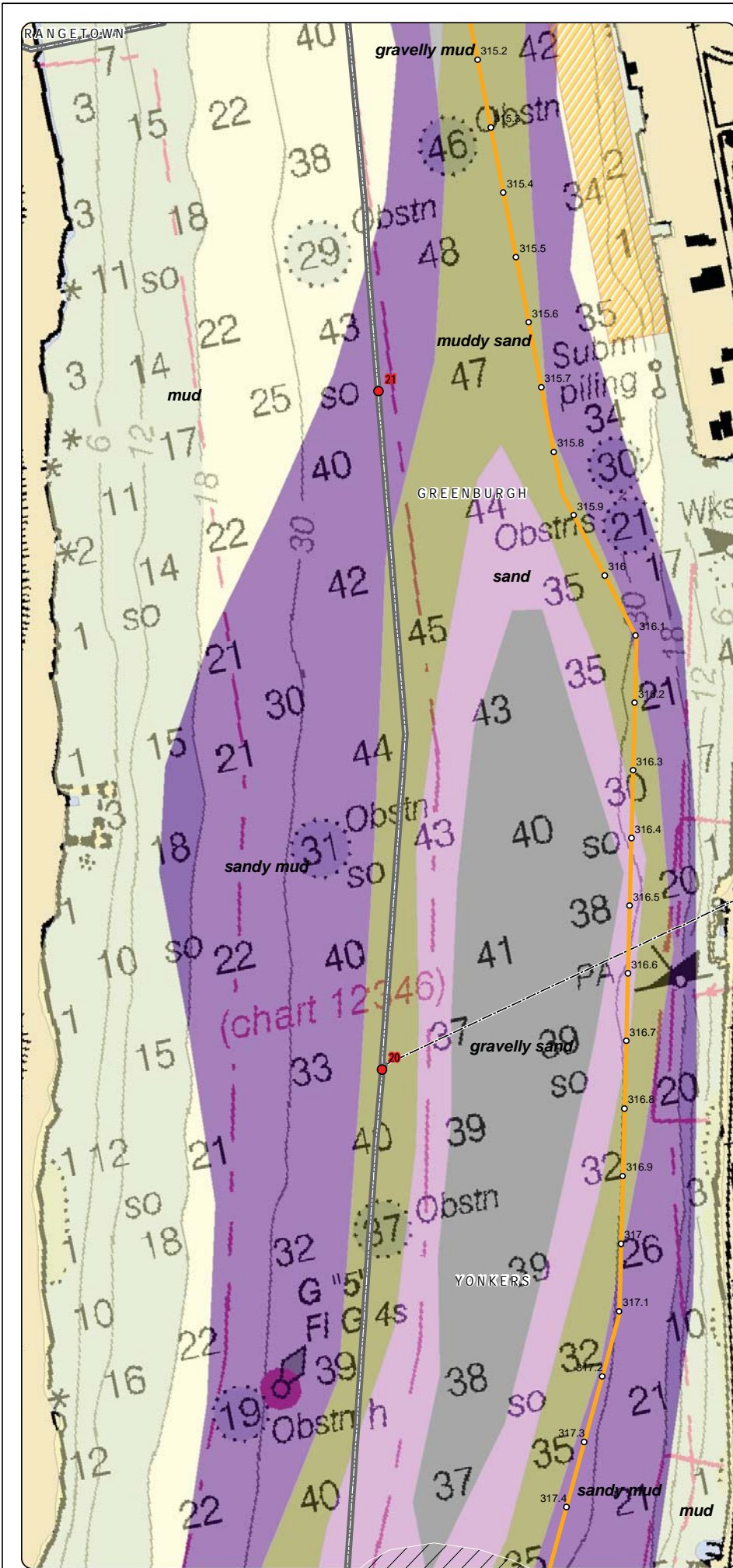
- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
Project Route
 Sheet 39 of 43

 Created: 6/18/2014
 by:   & 



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

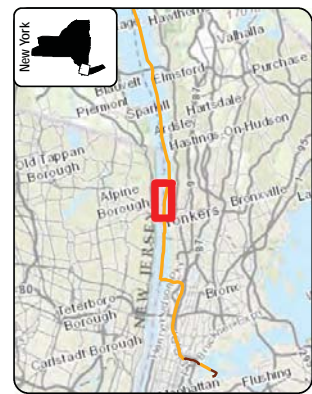
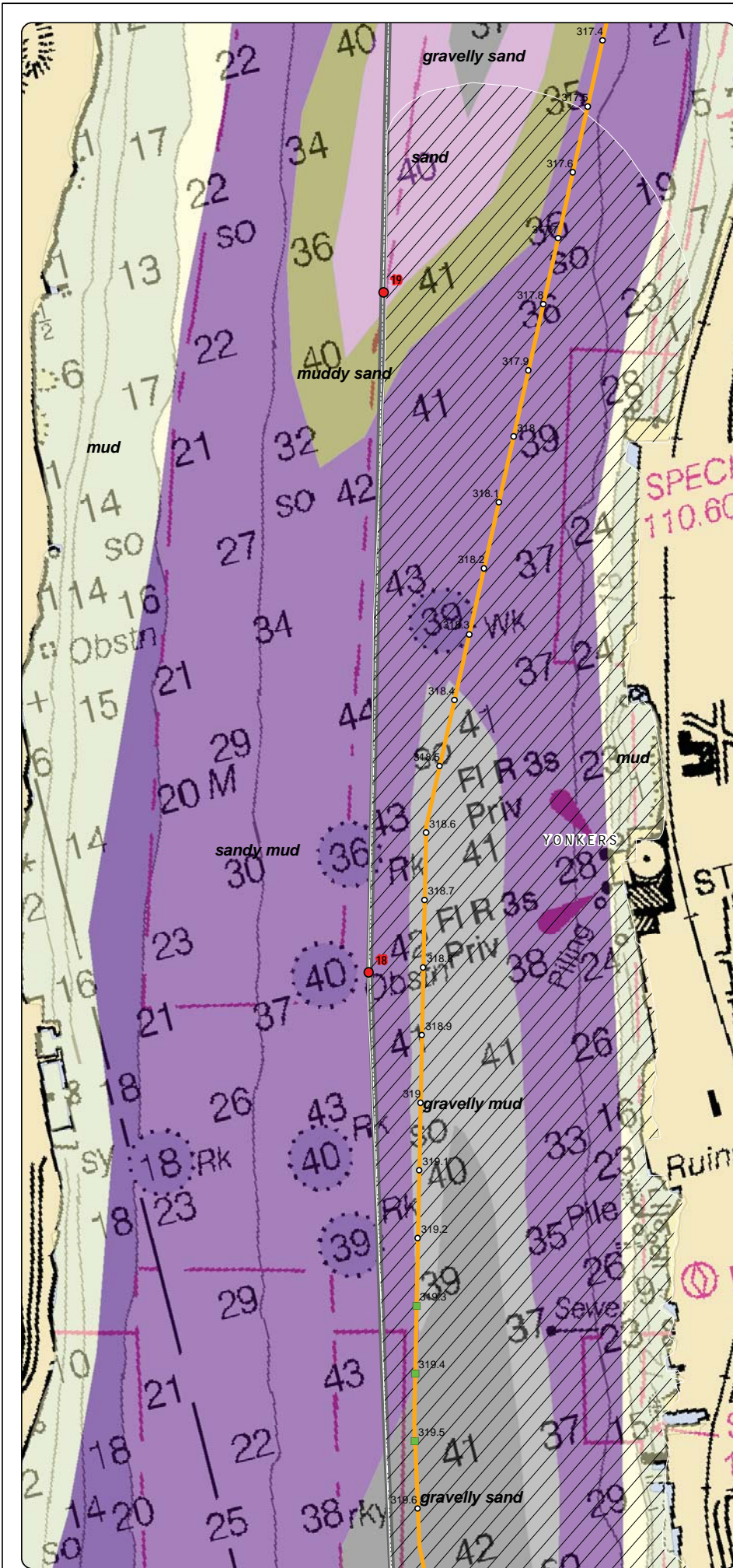
0 750
Feet


Transmission
Champlain Power Inc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
Project Route
 Sheet 40 of 43

Created: 6/18/2014
 by:   & 



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Coffer Dam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

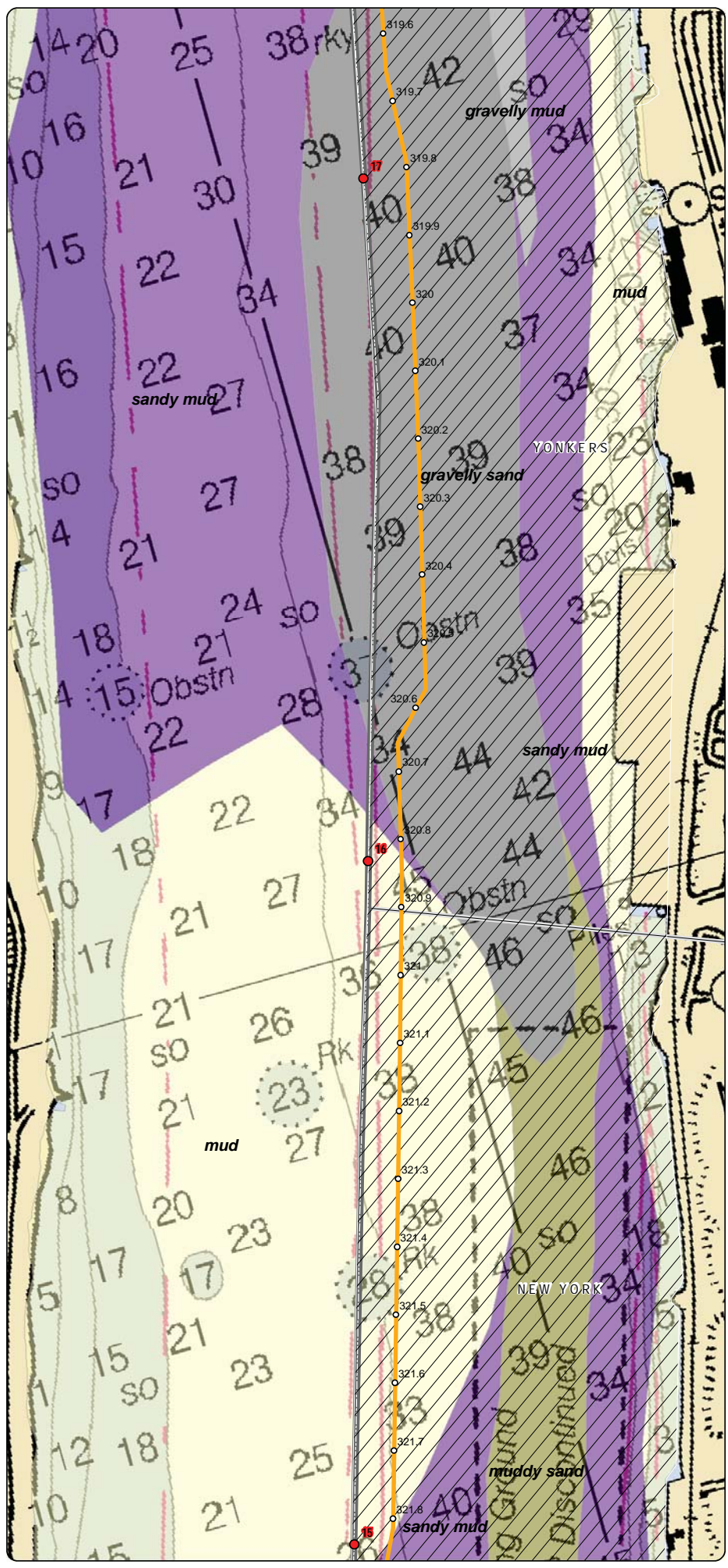
0 750
Feet


Transmission
Champlain Power Inc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
Project Route
 Sheet 41 of 43

Created: 6/18/2014
 by:   & 



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (4) Zone Number
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

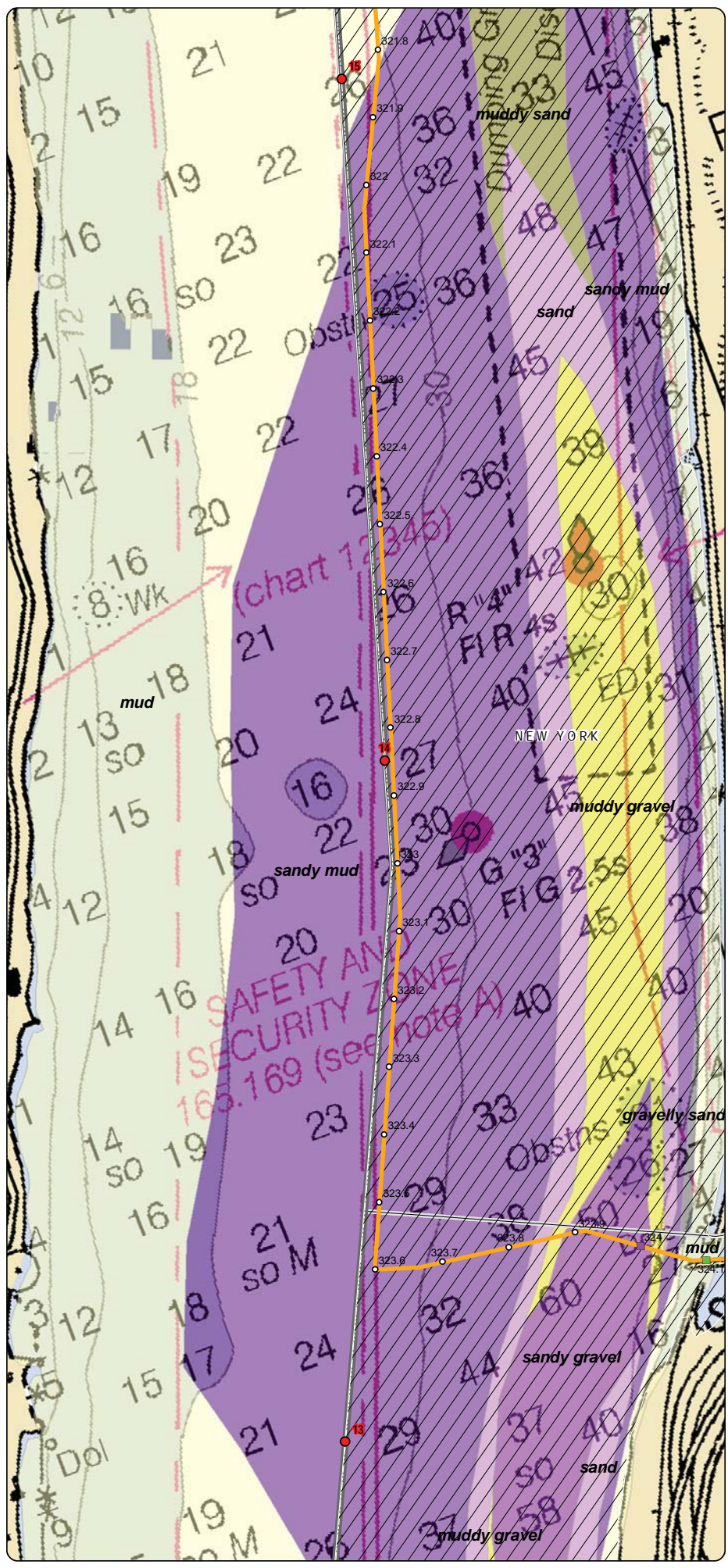
0 750
Feet


Transmission
Champlain Hudson Power Express Inc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River Project Route
 Sheet 42 of 43

Created: 6/18/2014
 by:  & 



LEGEND

- 1 Hudson River Miles
- Potential Mattress (Rock or Stiff Soils)
- Potential Mattress (Utility Crossings)
- CHPE Route Mileposts
- Proposed CHPE Submarine Route HVDC
- Proposed CHPE Terrestrial Route HVDC
- Cofferdam
- Significant Coastal Fish and Wildlife Habitat
- Exclusion Zones (NYSDEC) (Zone Number)
- Contamination Site
- NMFS Identified Atlantic Sturgeon Habitat
- Submerged Aquatic Veg: Valsineria (NYSDEC)
- Submerged Aquatic Veg: Trappa (NYSDEC)

Sediment Type - NYSDEC Hudson River Estuary Program

- gravel
- gravelly mud
- gravelly sand
- mud
- muddy gravel
- muddy sand
- sand
- sandy gravel
- sandy mud

- State Boundary
- County Boundary
- Town Boundary

0 750
Feet


Transmission
 Group, Inc.

Champlain Hudson Power Express Project
 Champlain Hudson Power Express Inc.

Hudson River
Project Route
 Sheet 43 of 43

Created: 6/18/2014
 by:  & 

THIS PAGE INTENTIONALLY LEFT BLANK