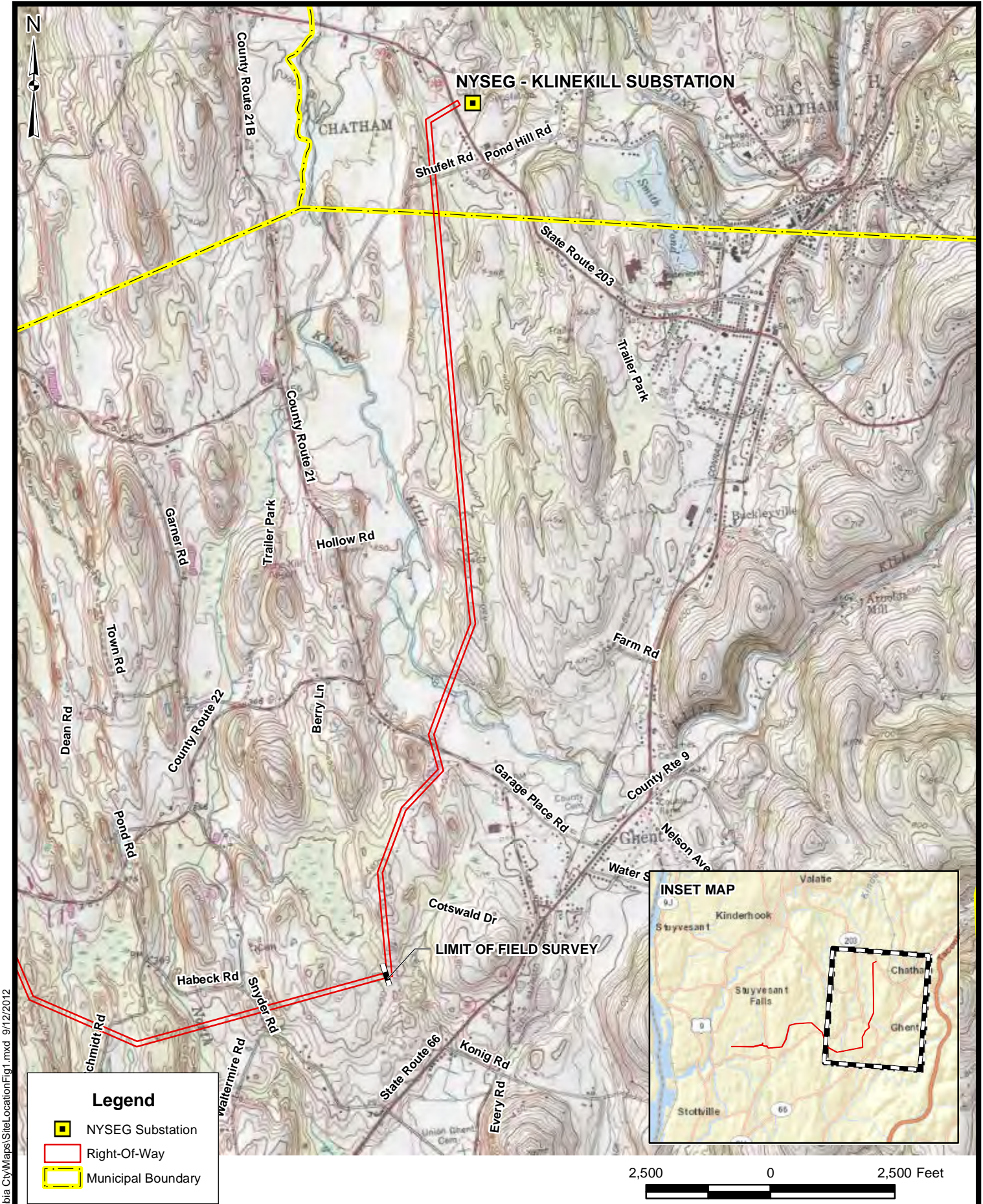


Attachment A

Figures

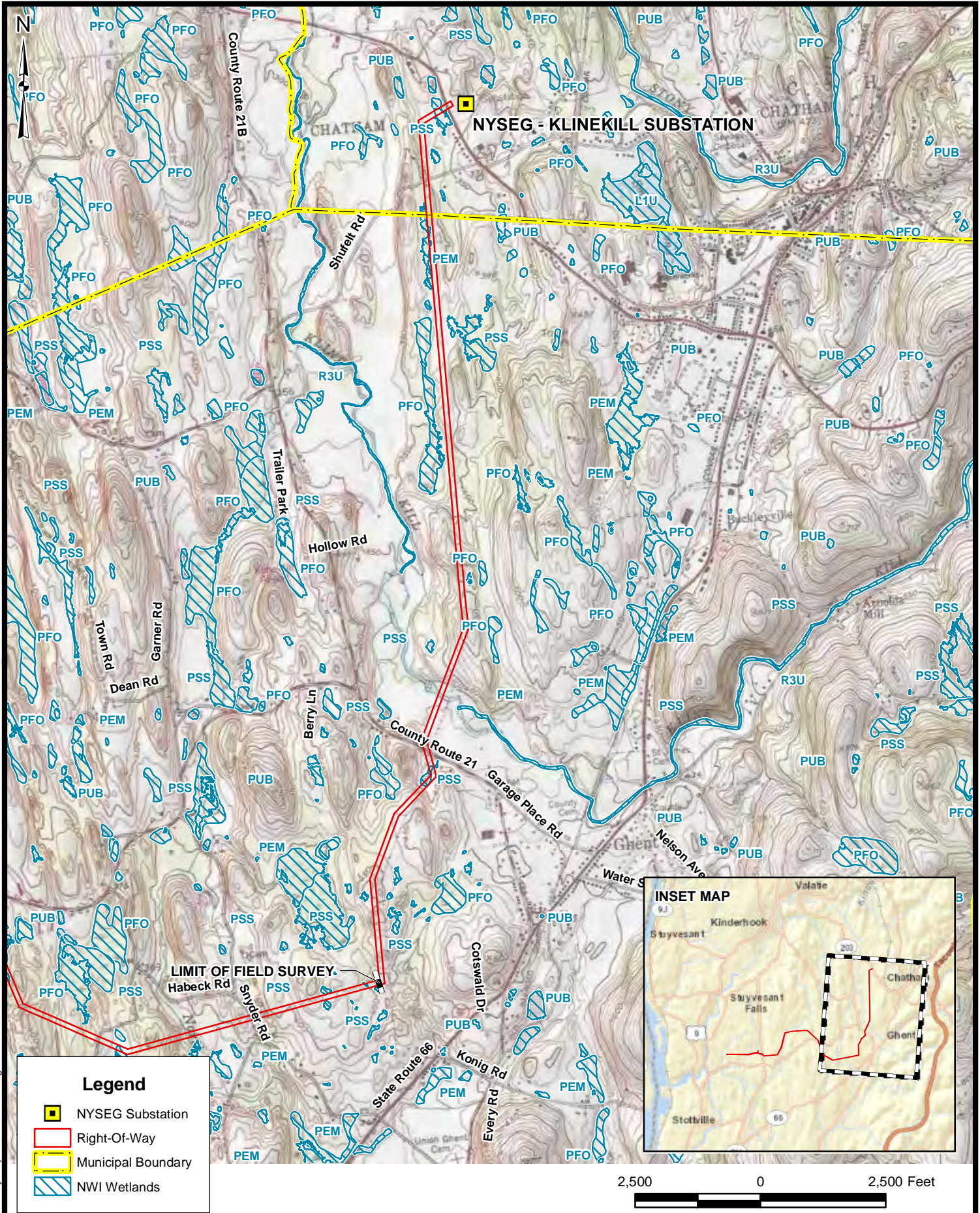


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SITE LOCATION MAP
 NYSEG TRANSMISSION LINE PROJECT
 COLUMBIA COUNTY, NY

FIGURE 1

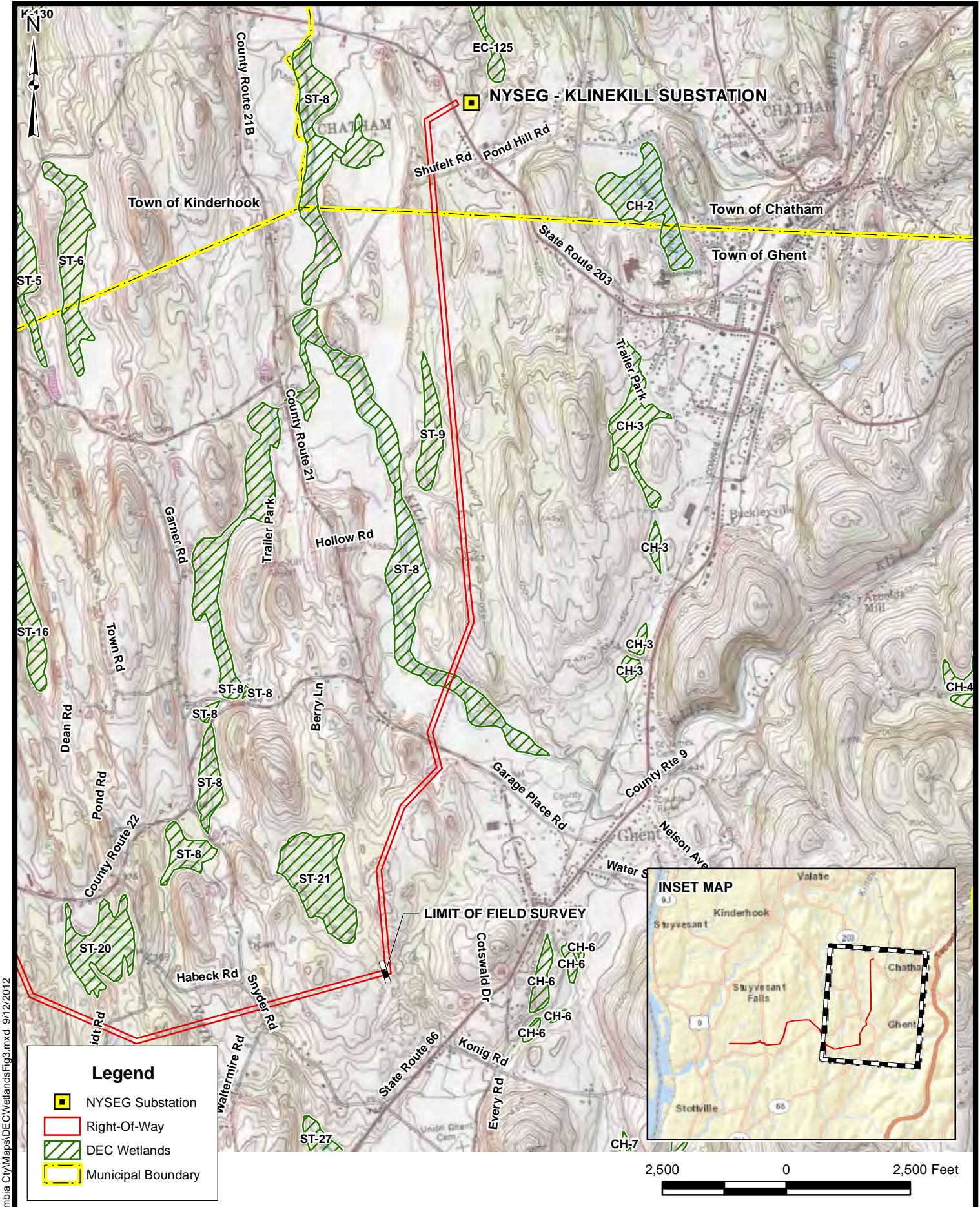


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NATIONAL WETLANDS INVENTORY MAP
 NYSEG TRANSMISSION LINE PROJECT
 COLUMBIA COUNTY, NY

FIGURE 2

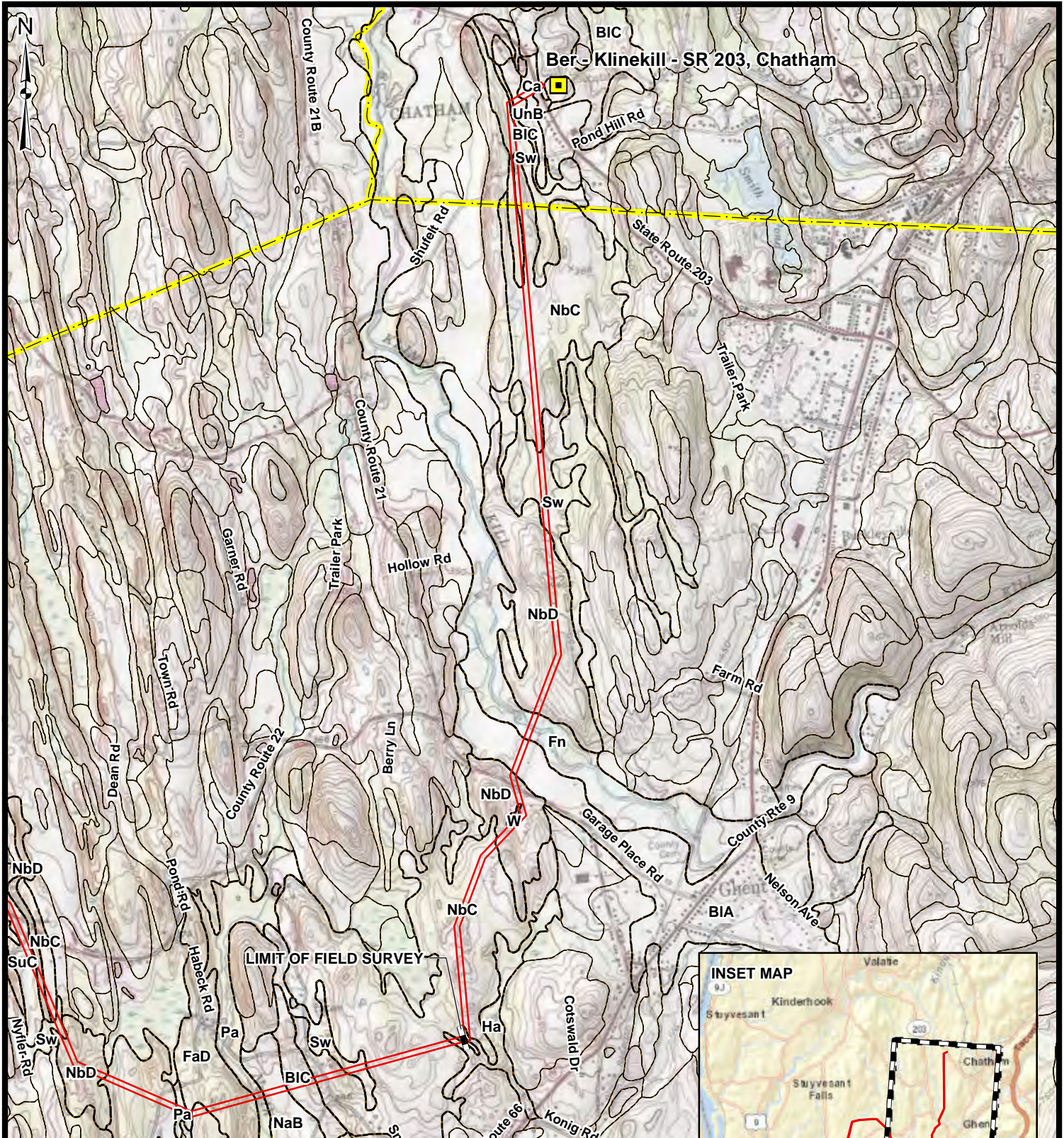


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DEC WETLANDS MAP
 NYSEG TRANSMISSION LINE PROJECT
 COLUMBIA COUNTY, NY

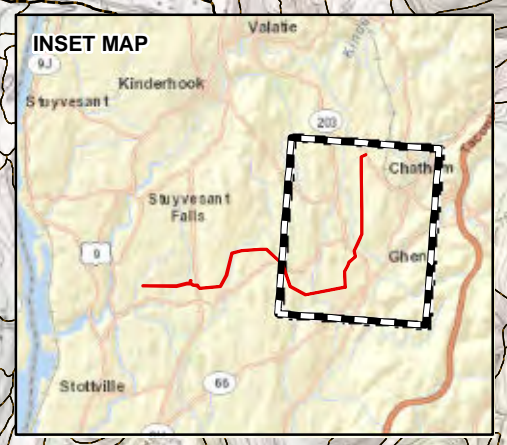
FIGURE 3



Legend

- NYSEG Substation
- Right-Of-Way
- Soil Mapping Units
- Municipal Boundary

SOILS:
 BIA - Blasdell Channery Loam; 0-3% Slopes
 BIC - Blasdell Channery Loam, Rolling; 5-15% Slopes
 Ca - Canandaigua Silt Loam; 0-3% Slopes
 Fn - Fuvaquents-Udifuvents Complex, Frequently Flooded; 0-3% Slopes
 Ha - Halsey Mucky Silt Loam; 0-3% Slopes
 NbC - Nassau Channery Silt Loam, Rolling, Very Rocky; 6-16% Slopes
 NbD - Nassau Channery Silt Loam, Hilly, Very Rocky; 16-30% Slopes
 Sw - Sun Silt Loam; 0-3% Slopes
 UnB - Unadilla Silt Loam; 3-8% Slopes
 W - Wet Area



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**SOILS MAP
 NYSEG TRANSMISSION LINE PROJECT
 COLUMBIA COUNTY, NY**

FIGURE 4



NYSEG - KLINEKILL SUBSTATION

WETLAND 11 (PEM)
ACRES: 0.32

WETLAND 10 (PSS)
ACRES: 0.08

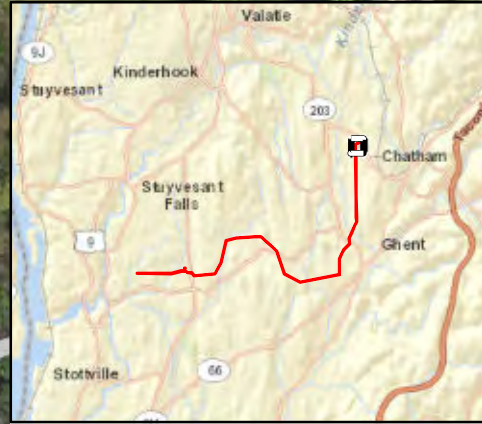
WETLAND 9 (PSS)
ACRES: 0.05

WETLAND 8 (PSS)
ACRES: 0.23

STREAM 5
LINEAR FT: 289

203

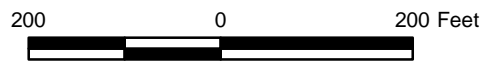
203



Legend

- Continuation Line
- Delineated Streams
- Delineated Wetland
- Right-Of-Way
- Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
PEM: Palustrine Emergent
PSS: Palustrine Scrub-Shrub



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DELINEATED WETLANDS AND STREAMS MAP
NYSEG TRANSMISSION LINE PROJECT
COLUMBIA COUNTY, NY

FIGURE 5-1








WETLAND 16 (PEM)
ACRES: 0.02

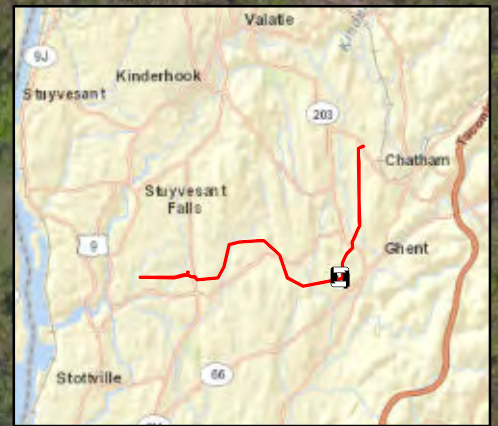
LIMIT OF FIELD SURVEY

WETLAND 17 (PEM)
ACRES: 0.29

Legend

-  Continuation Line
-  Delineated Streams
-  Delineated Wetland
-  Right-Of-Way
-  Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
PEM: Palustrine Emergent
PSS: Palustrine Scrub-Shrub

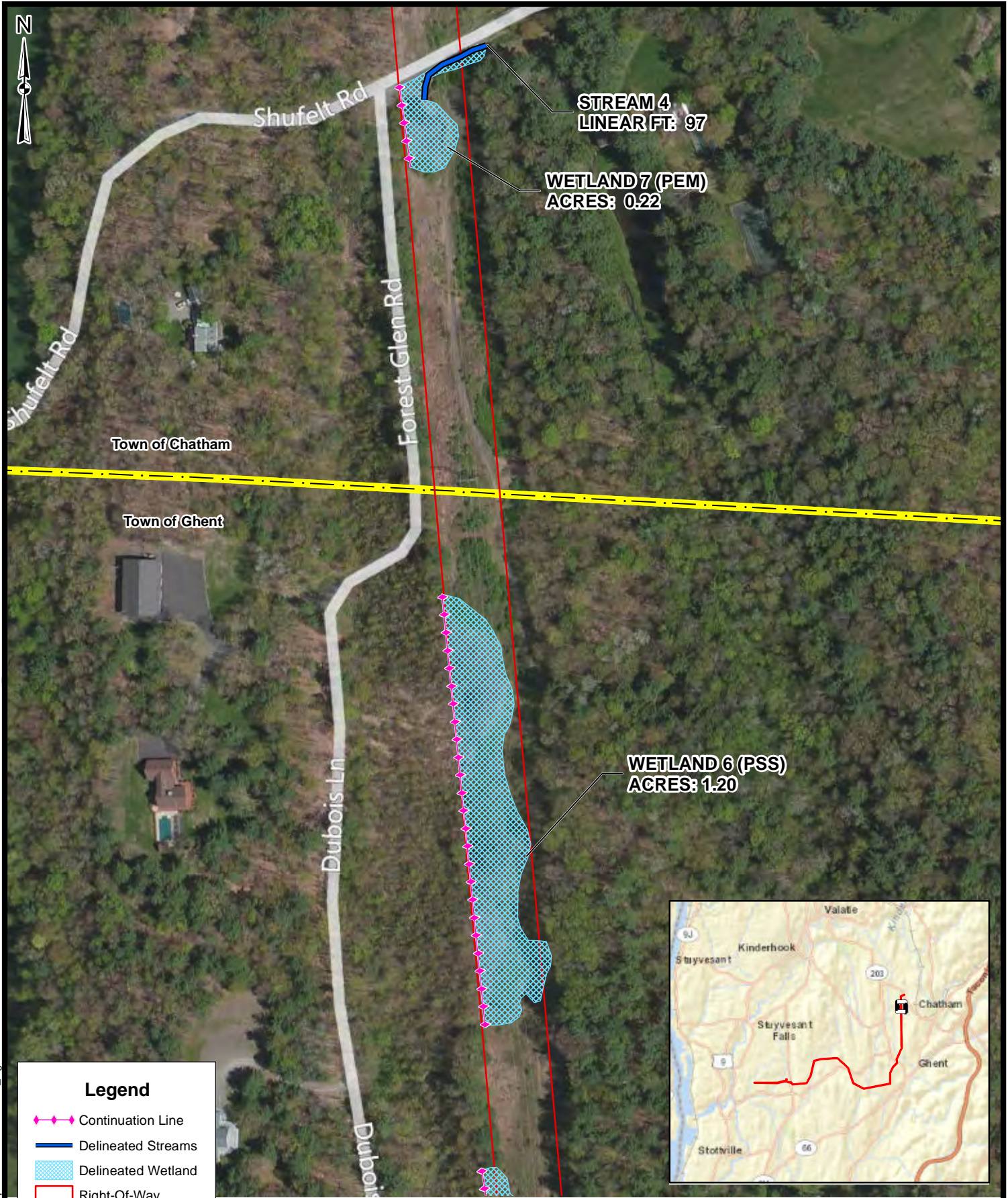


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DELINEATED WETLANDS AND STREAMS MAP
NYSEG TRANSMISSION LINE PROJECT
COLUMBIA COUNTY, NY

FIGURE 5-10



STREAM 4
LINEAR FT: 97

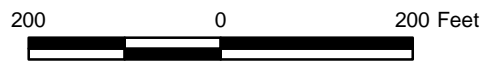
WETLAND 7 (PEM)
ACRES: 0.22

WETLAND 6 (PSS)
ACRES: 1.20

Legend

- Continuation Line
- Delineated Streams
- Delineated Wetland
- Right-Of-Way
- Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
PEM: Palustrine Emergent
PSS: Palustrine Scrub-Shrub



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**DELINEATED WETLANDS AND STREAMS MAP
NYSEG TRANSMISSION LINE PROJECT
COLUMBIA COUNTY, NY**

FIGURE 5-2

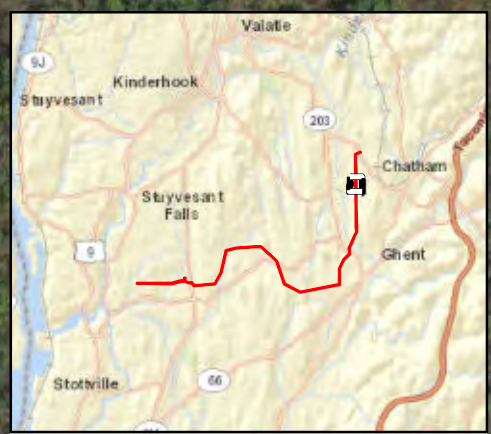


Stuyvesant Falls

WETLAND 5 (PEM)
ACRES: 0.16

WETLAND 4 (PEM)
ACRES: 0.09

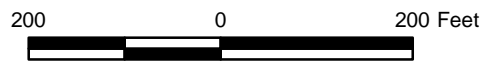
WETLAND 3 (PEM)
ACRES: 0.02



Legend

- Continuation Line
- Delineated Streams
- Delineated Wetland
- Right-Of-Way
- Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
 PEM: Palustrine Emergent
 PSS: Palustrine Scrub-Shrub



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DELINEATED WETLANDS AND STREAMS MAP
 NYSEG TRANSMISSION LINE PROJECT
 COLUMBIA COUNTY, NY

FIGURE 5-3

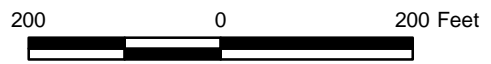
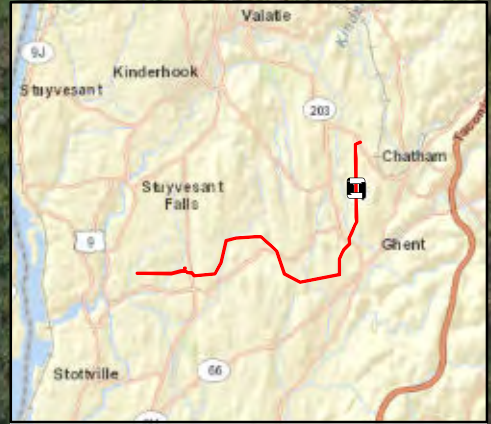


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Legend

-  Continuation Line
-  Delineated Streams
-  Delineated Wetland
-  Right-Of-Way
-  Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
 PEM: Palustrine Emergent
 PSS: Palustrine Scrub-Shrub



DELINEATED WETLANDS AND STREAMS MAP
 NYSEG TRANSMISSION LINE PROJECT
 COLUMBIA COUNTY, NY

FIGURE 5-4








WETLAND 2 (PEM)
ACRES: 0.003

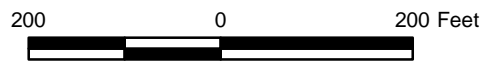
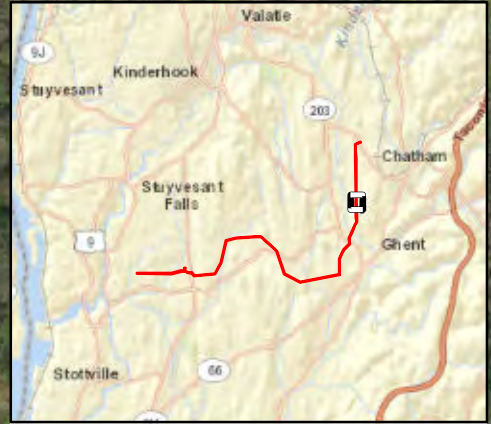
STREAM 3
LINEAR FT: 105

WETLAND 1 (PEM)
ACRES: 0.02

Legend

-  Continuation Line
-  Delineated Streams
-  Delineated Wetland
-  Right-Of-Way
-  Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
PEM: Palustrine Emergent
PSS: Palustrine Scrub-Shrub



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DELINEATED WETLANDS AND STREAMS MAP
NYSEG TRANSMISSION LINE PROJECT
COLUMBIA COUNTY, NY

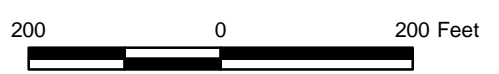
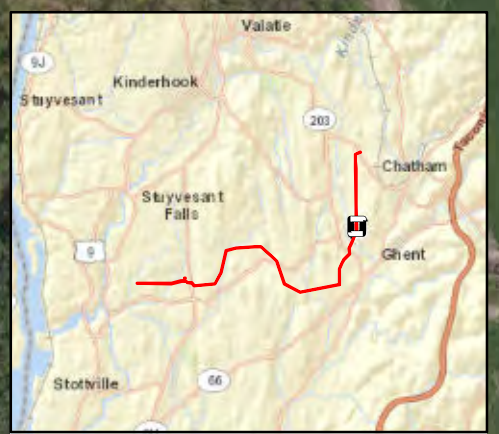
FIGURE 5-5



Legend

-  Continuation Line
-  Delineated Streams
-  Delineated Wetland
-  Right-Of-Way
-  Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
 PEM: Palustrine Emergent
 PSS: Palustrine Scrub-Shrub



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DELINEATED WETLANDS AND STREAMS MAP
 NYSEG TRANSMISSION LINE PROJECT
 COLUMBIA COUNTY, NY

FIGURE 5-6








STREAM 2 - NORTH BANK
LINEAR FT: 102

STREAM 2 - SOUTH BANK
LINEAR FT: 101

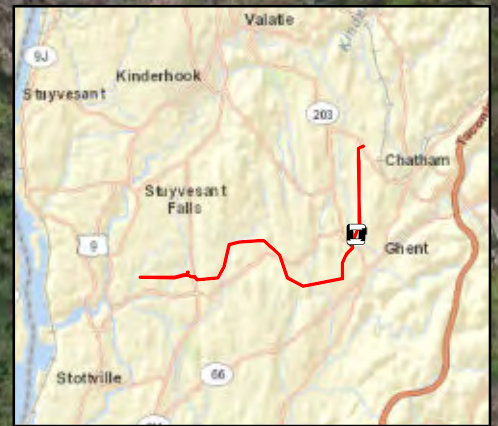
STREAM 1 - NORTH BANK
LINEAR FT: 102

STREAM 1 - SOUTH BANK
LINEAR FT: 102

Legend

-  Continuation Line
-  Delineated Streams
-  Delineated Wetland
-  Right-Of-Way
-  Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
PEM: Palustrine Emergent
PSS: Palustrine Scrub-Shrub



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DELINEATED WETLANDS AND STREAMS MAP
NYSEG TRANSMISSION LINE PROJECT
COLUMBIA COUNTY, NY

FIGURE 5-7



21






21

WETLAND 13 (PEM)
ACRES: 0.00

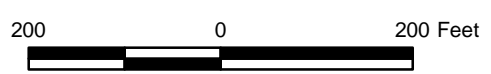
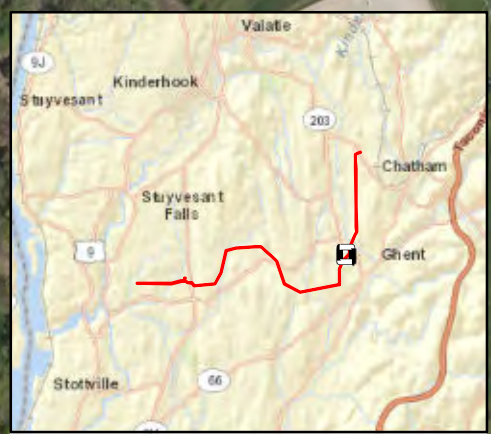
STREAM 6
LINEAR FT: 111

WETLAND 12 (PEM)
ACRES: 0.44

Legend

-  Continuation Line
-  Delineated Streams
-  Delineated Wetland
-  Right-Of-Way
-  Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
 PEM: Palustrine Emergent
 PSS: Palustrine Scrub-Shrub



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DELINEATED WETLANDS AND STREAMS MAP
 NYSEG TRANSMISSION LINE PROJECT
 COLUMBIA COUNTY, NY






FIGURE 5-8



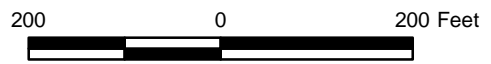
WETLAND 15 (PEM)
ACRES: 0.10

WETLAND 14 (PEM)
ACRES: 0.06

Legend

-  Continuation Line
-  Delineated Streams
-  Delineated Wetland
-  Right-Of-Way
-  Municipal Boundary

NOTE: Acreage & Linear Ft. Are Measured Within Right-Of-Way
PEM: Palustrine Emergent
PSS: Palustrine Scrub-Shrub



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DELINEATED WETLANDS AND STREAMS MAP
NYSEG TRANSMISSION LINE PROJECT
COLUMBIA COUNTY, NY

FIGURE 5-9

Attachment B
Photo Log

Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
1

Date:
7/18/12

Direction Photo
Taken:

East

Description:

Stream S1 (perennial):

Kline Kill Creek,
Class C
Standard C(TS).

Facing upstream at
existing ROW
crossing.

Large stand of
Japanese knotweed
(invasive) in view on
right.



Photo No.
2

Date:
7/19/12

Direction Photo
Taken:

West

Description:

Stream S1 (perennial):

Kline Kill Creek,
Class C
Standard C(TS).

Facing downstream at
existing ROW
crossing.

Town of Ghent.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
3

Date:
7/18/12

Direction Photo
Taken:

West

Description:

Stream S2
(intermittent):

Kline Kill Creek,
Class C, Standard
C(TS).

Facing downstream at
existing ROW
crossing.

Large stand of
Japanese knotweed
(invasive) in view on



Photo No.
4

Date:
7/18/12

Direction Photo
Taken:

East

Description:

Stream S2
(intermittent):

Kline Kill Creek,
Class C, Standard
C(TS).

Facing upstream at
existing ROW
crossing.

Large stand of
Japanese knotweed
(invasive) in view on



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
5

Date:
7/18/12

Direction Photo
Taken:

North

Description:

Wetland W1
(palustrine emergent),
taken from flag 1 on
east boundary.



Photo No.
6

Date:
7/19/12

Direction Photo
Taken:

South

Description:

Wetland W1
(palustrine emergent),
taken from flag 3 on
north boundary.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
7

Date:
7/18/12

Direction Photo
Taken:

East

Description:

Wetland W2
(palustrine emergent),
taken from flag 2 on
west boundary.

Narrow Stream S3
channel at auger.



Photo No.
8

Date:
7/18/12

Direction Photo
Taken:

West

Description:

Wetland W2
(palustrine emergent),
taken from east
boundary at flag 3.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
9

Date:
7/18/12

Direction Photo
Taken:

West

Description:

Stream S3
(intermittent).

Facing downstream.

Taken from within
Wetland W2.



Photo No.
10

Date:
7/18/12

Direction Photo
Taken:

East

Description:

Stream S3
(intermittent).

Facing upstream.

Taken from within
Wetland W2.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
11

Date:
7/18/12

Direction Photo
Taken:

South

Description:

Wetland W3
(palustrine emergent),
taken from north
boundary at flag 1.

Wetland occurs within
and on either side of
this access trail.
Cracked soil on trail
(and sedges) indicate
wetland hydrology
despite dry weather.



Photo No.
12

Date:
7/18/12

Direction Photo
Taken:

North

Description:

Wetland W3
(palustrine emergent),
taken from south
boundary at flag 3.

Wetland occurs within
and on either side of
this access trail.
Cracked soil on trail
(and sedges) indicate
wetland hydrology
despite dry weather.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
13

Date:
7/18/12

Direction Photo
Taken:

North

Description:

Wetland W4
(palustrine emergent),
taken from south
boundary at flag 3.



Photo No.
14

Date:
7/19/12

Direction Photo
Taken:

South

Description:

Wetland W4
(palustrine emergent),
taken from north
boundary at flag 8.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
15

Date:
7/18/12

Direction Photo
Taken:

West

Description:

Wetland W5
(palustrine emergent),
taken from east
boundary at flag 2.



Photo No.
16

Date:
7/18/12

Direction Photo
Taken:

Southwest

Description:

Wetland W5
(palustrine emergent),
taken from east
boundary at flag 2.





PHOTOGRAPHIC LOG

Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.
11176763

Photo No.
17

Date:
7/18/12

Direction Photo
Taken:

West

Description:

Wetland W6
(palustrine scrub-
shrub), taken from
center of ROW.

Forested area in view
is within wetland but
outside of ROW.



Photo No.
18

Date:
7/18/12

Direction Photo
Taken:

Northwest

Description:

Wetland W6
(palustrine scrub-
shrub), taken from
center of ROW.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
19

Date:
7/18/12

Direction Photo
Taken:

Southwest

Description:

Large common reed
stand (invasive) in
wetland W6, taken
from center of ROW.



Photo No.
20

Date:
7/18/12

Direction Photo
Taken:

West

Description:

Wetland W7
(palustrine emergent),
taken from center of
ROW.

Common reed
(invasive) in view.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
21

Date:
7/18/12

Direction Photo
Taken:

South

Description:

Wetland W7
(palustrine emergent)
from Shufelt Road.



Photo No.
22

Date:
7/18/12

Direction Photo
Taken:

East

Description:

Stream S4
(intermittent).

Facing downstream
from center of ROW.

At this location, S4
drains from Wetland
W6 and becomes
roadside ditch
covered by shrub
honeysuckle on right
and reed canary grass
on left (both invasive).



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
23

Date:
7/18/12

Direction Photo
Taken:

West

Description:

Stream S4
(intermittent).

Facing upstream from
center of ROW.

At this location, S4
drains from Wetland
W6 and becomes
roadside ditch
covered by shrub
honeysuckle on right
and reed canary grass
on left (both invasive).



Photo No.
24

Date:
7/19/12

Direction Photo
Taken:

South

Description:

Wetland W8
(palustrine scrub-
shrub) from northeast
boundary at flag 14.

Common reed
(invasive) in view.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
25

Date:
7/19/12

Direction Photo
Taken:

Southwest

Description:

Stream S5
(intermittent).

Mapped Class C,
Standard C tributary
to Kline Kill Creek.

Facing upstream from
east edge of ROW, in
Wetland W8.



Photo No.
26

Date:
7/19/12

Direction Photo
Taken:

South

Description:

Stream S5
(intermittent).

Mapped Class C,
Standard C tributary
to Kline Kill Creek.
Facing downstream
from east edge of
ROW, in Wetland W8.

Mucky channel
covered by
vegetation.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
27

Date:
7/18/12

Direction Photo
Taken:

Southwest

Description:

Wetland W8
(palustrine scrub-
shrub), taken from
between flags 1 and
15 on east edge of
ROW.



Photo No.
28

Date:
7/19/12

Direction Photo
Taken:

South

Description:

Wetland W8
(palustrine scrub-
shrub), taken from
north boundary at flag
14.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
29

Date:
7/19/12

Direction Photo
Taken:

West

Description:

Wetland W8
(palustrine shrub-
scrub), taken from
outside of northeast
boundary.



Photo No.
30

Date:
7/19/12

Direction Photo
Taken:

Southwest

Description:

Wetland W8
(palustrine scrub-
shrub), taken from
outside northeast
boundary.

Common reed
(invasive) in view.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
31

Date:
7/19/12

Direction Photo
Taken:

Northeast

Description:

Wetland W9
(palustrine scrub-
shrub), taken from
west boundary at
flag 1.



Photo No.
32

Date:
7/19/12

Direction Photo
Taken:

Southeast

Description:

Wetland W9
(palustrine scrub-
shrub), taken from
west boundary at
flag 1.





PHOTOGRAPHIC LOG

Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
33

Date:
7/19/12

Direction Photo
Taken:

West

Description:

Wetland W10
(palustrine scrub-
shrub), taken from
east boundary at
flag 1.



Photo No.
34

Date:
7/19/12

Direction Photo
Taken:

West

Description:

Wetland W10
(palustrine scrub-
shrub), taken from
east boundary at
flag 1.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
35

Date:
7/18/12

Direction Photo
Taken:

South

Description:

Wetland W11
(palustrine emergent),
taken from north
boundary at center of
ROW.



Photo No.
36

Date:
7/19/12

Direction Photo
Taken:

Southwest

Description:

Wetland W11
(palustrine emergent),
taken from north
boundary at center of
ROW.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
37

Date:
7/19/12

Direction Photo
Taken:

Southwest

Description:

Wetland W11
(palustrine emergent),
taken from center of
wetland.

Common reed
(invasive) in view,
beyond cattails.



Photo No.
38

Date:
9/4/12

Direction Photo
Taken:

Southwest

Description:

Wetland W12
(palustrine open
water), taken from
outside southeast
boundary.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
39

Date:
9/4/12

Direction Photo
Taken:

Northwest

Description:

Wetland W11
(palustrine open
water), taken from
outside southeast
boundary.



Photo No.
40

Date:
9/4/12

Direction Photo
Taken:

Southwest

Description:

Wetland W12
(palustrine open
water), taken from
southeast boundary.

Purple loosestrife
(invasive) in view.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
41

Date:
9/4/12

Direction Photo
Taken:

North

Description:

Wetland W13
(palustrine emergent),
taken from flag 1.



Photo No.
42

Date:
9/4/12

Direction Photo
Taken:

West

Description:

Wetland W13
(palustrine emergent),
taken from flag 1.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
43

Date:
9/4/12

Direction Photo
Taken:

North

Description:

Stream S6
(intermittent).

Looking upstream
from the start of S6 in
wetland W12.

Channel is most
evident at this
location.



Photo No.
44

Date:
9/4/12

Direction Photo
Taken:

South

Description:

Stream S6
(intermittent).

Looking downstream
at the start of S6 in
wetland W12.

Vegetated channel is
under flag in view.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
45

Date:
9/4/12

Direction Photo
Taken:

Northwest

Description:

Wetland W14
(palustrine emergent),
Taken from flag 12 (in
foreground).



Photo No.
46

Date:
9/4/12

Direction Photo
Taken:

Northwest

Description:

Wetland W14
(palustrine emergent),
with flag 4 in view.

Taken from flag 2.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
47

Date:
9/4/12

Direction Photo
Taken:

North

Description:

Wetland W15
(palustrine emergent-
palustrine scrub-
shrub).

Emergent section
within trail/access
road in view, taken
from flag 4.



Photo No.
48

Date:
9/4/12

Direction Photo
Taken:

Southeast

Description:

Wetland W15
(palustrine emergent-
palustrine scrub-
shrub).

Scrub-shrub section
in view, taken from
between flags 4 and
17.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
49

Date:
9/4/12

Direction Photo
Taken:

Northwest

Description:

Wetland W16
(palustrine emergent):

Small depressional
pocket (backpack in
center) surrounded by
upland shrubs.

Flags 1 and 2 in view.



Photo No.
50

Date:
9/4/12

Direction Photo
Taken:

Southwest

Description:

Wetland W17
(palustrine emergent-
palustrine scrub-
shrub).

Emergent section
with woolgrass in
view, taken from
between flags 2 and 3.



Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
51

Date:
9/4/12

Direction Photo
Taken:

West

Description:

Wetland W17
(palustrine emergent-
palustrine scrub-
shrub).

Emergent section
with woolgrass in
view, taken from flag
2.



Photo No.
52

Date:
9/4/12

Direction Photo
Taken:

Southwest

Description:

Wetland W17
(palustrine emergent-
palustrine scrub-
shrub).

Scrub-shrub section
in view, taken from
east of flag 5.





PHOTOGRAPHIC LOG

Client Name: NYSEG

Site Location: Columbia County, New York

URS Project No.

11176763

Photo No.
53

Date:
9/4/12

Direction Photo
Taken:

South

Description:

Wetland W17
(palustrine emergent-
palustrine scrub-
shrub).

Emergent section
along trail/access
road, taken from flag
10.



