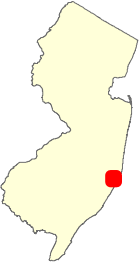


Edwin B. Forsythe National Wildlife Refuge Pole Removal Project

Environmental Assessment

U. S. Fish and Wildlife Service

01/08/2016

LEGEND

PROJECT AREA

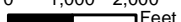
0 1,000 2,000
 Feet

Image Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community, 2015


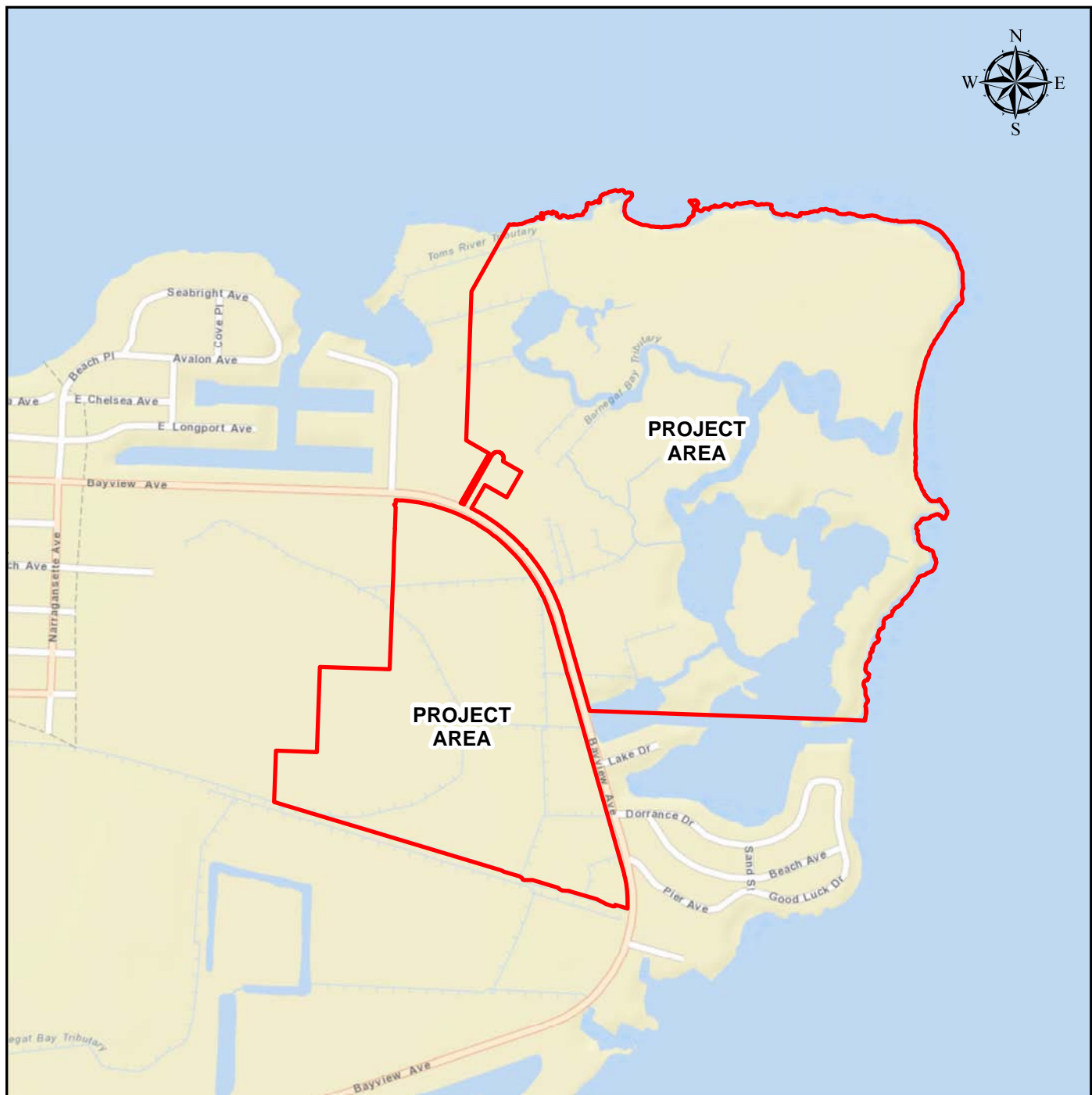
amec foster wheeler 

Figure 1.1
Street Map
Manahawkin Project Area
Pole Removal Project
Stafford Township, New Jersey

Rev. By: CB	Project No.: 3617157355.81.01	November 2015
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LEGEND
[Red outline symbol] PROJECT AREA

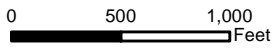
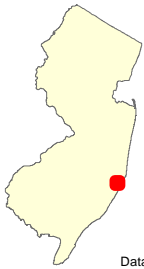


Image Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community, 2015



Figure 1.2
Street Map
Good Luck Point Project Area
Pole Removal Project
Berkeley Township, New Jersey



LEGEND

- PROJECT AREA
- Watershed Management Area
- Barnegat Bay

0 1,000 2,000
 Feet

Data Source: NJDEP Watershed Management Areas in New Jersey (Version 200901); New Jersey Department of Environmental Protection (NJDEP), Division of Watershed Management (DWM), 2009.

Image Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, 2015



Figure 1.3
 Watershed Management Area Map
 Manahawkin Project Area
 Pole Removal Project
 Stafford Township, New Jersey



LEGEND

- PROJECT AREA
- Watershed Management Area
- Barnegat Bay

0 1,000 2,000
Feet

ImageSource: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

Data Source: NJDEP Watershed Management Areas in New Jersey (Version 200901); New Jersey Department of Environmental Protection (NJDEP), Division of Watershed Management (DWM), 2009.



Figure 1.4
Watershed Management Area Map
Good Luck Point Project Area
Pole Removal Project
Berkeley Township, New Jersey

APPENDIX A
PHOTOGRAPHS



Photo 1

Manahawkin Site:
General view of the site.



Photo 2

Manahawkin Site:
Additional general view of the site.

PHOTOGRAPHIC LOG

Edwin B. Forsythe National Wildlife Refuge
Pole Removal Project
Manahawkin Project Area, Stafford Township and
Good Luck Point Project Area, Berkeley Township
Ocean County, New Jersey

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Photo 3

Manahawkin Site:
Beach Avenue entrance to the site, facing west. The former AT&T buildings are behind the camera.



Photo 4

Manahawkin Site:
General view of the paved portion of the site.

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Photo 5

Manahawkin Site:
**Example of one of the
access roads into the site.**



Photo 6

Manahawkin Site:
**Example of another access
road (although
discontinuous) into the site.**

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Photo 7

Manahawkin Site:
Close-up of wooden pole at ground level.



Photo 8

Manahawkin Site:
Anchors used for the guy wires.

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Photo 9

Manahawkin Site:
**Anchors and guy wires in
relation to tidal marsh
ditch.**



Photo 10

Manahawkin Site:
**Example of one of the
relatively wide tidal
ditches.**

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Photo 11

Manahawkin Site:
Zoomed-out view of
rhombic antenna.



Photo 12

Manahawkin Site:
Concrete footer for
rhombic antenna.

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Photo 13

Manahawkin Site:
Additional view of rhombic antenna.



Photo 14

Manahawkin Site:
Additional view of concrete footer for rhombic antenna.

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Photo 15

Manahawkin Site:
**Example of other
structures to be removed.**



Photo 16

Manahawkin Site:
**Example of downed
wooden pole.**

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Photo 17

Good Luck Point Site:
General view of the
Former AT&T facility
building.



Photo 18

Good Luck Point Site:
General view of the site.

PHOTOGRAPHIC LOG

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Photo 19

Good Luck Point Site:
Additional general view of the site.



Photo 20

Good Luck Point Site:
Downed metal antenna on the southwest side of Bayview Avenue (across the street from the building).

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Photo 21

Good Luck Point Site:
Zoomed-in view of the base
of a wooden pole.



Photo 22

Good Luck Point Site:
Access road into the site.

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Photo 23

Good Luck Point Site:
Example of poles located
across wide tidal creeks.



Photo 24

Good Luck Point Site:
Additional view of poles
located across wide tidal
creeks.

PHOTOGRAPHIC LOG

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Photo 25

Good Luck Point Site:
Example of other structures to be removed from the site.



Photo 26

Good Luck Point Site:
Structures adjacent to building, viewed from Bayview Avenue facing northeast.

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