

From: DEP NATLANDS <NATLANDS@dep.nj.gov>
Sent: Thursday, November 20, 2014 4:05 PM
To: Rakowski, Jeffrey
Subject: Natural Heritage Data Requests - LRRP Middlesex and Monmouth Counties
Attachments: 6665-14-4007443.pdf; 6694-14-4007442.pdf; 6695-14-4007421.pdf; 6696-14-4007338.pdf; 6697-14-4007421.pdf

Dear Mr. Rakowski:

The responses to your five Natural Heritage Data Requests are attached.

Larry Miller
Natural Heritage Program



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
State Forestry Services
Mail Code 501-04
ONLM -Natural Heritage Program
P.O. Box 420
Trenton, NJ 08625-0420
Tel. #609-984-1339
Fax. #609-984-1427

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

November 20, 2014

Jeffrey Rakowski
CDM Smith
110 Fieldcrest Avenue, #8, 6th Floor
Edison, NJ 08837

Re: LRRP Middlesex and Monmouth Counties - SRP0037809

Dear Mr. Rakowski:

Thank you for your data request regarding rare species information for the above referenced project site in South Amboy City, Middlesex County.

Searches of the Natural Heritage Database and the Landscape Project (Version 3.1) are based on a representation of the boundaries of your project site in our Geographic Information System (GIS). We make every effort to accurately transfer your project bounds from the topographic map(s) submitted with the Request for Data into our Geographic Information System. We do not typically verify that your project bounds are accurate, or check them against other sources.

We have checked the Landscape Project habitat mapping and the Biotics Database for occurrences of any rare wildlife species or wildlife habitat on the referenced site. The Natural Heritage Database was searched for occurrences of rare plant species or ecological communities that may be on the project site. Please refer to Table 1 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented on site. A detailed report is provided for each category coded as 'Yes' in Table 1.

We have also checked the Landscape Project habitat mapping and Biotics Database for occurrences of rare wildlife species or wildlife habitat in the immediate vicinity (within ¼ mile) of the referenced site. Additionally, the Natural Heritage Database was checked for occurrences of rare plant species or ecological communities within ¼ mile of the site. Please refer to Table 2 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented within the immediate vicinity of the site. Detailed reports are provided for all categories coded as 'Yes' in Table 2. These reports may include species that have also been documented on the project site.

The Natural Heritage Program reviews its data periodically to identify priority sites for natural diversity in the State. Included as priority sites are some of the State's best habitats for rare and endangered species and ecological communities. Please refer to Tables 1 and 2 (attached) to determine if any priority sites are located on or in the vicinity of the site.

A list of rare plant species and ecological communities that have been documented from the project site, referenced above, can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/countylist.html>. If suitable habitat is present at the project site, the species in that list have potential to be present.

Status and rank codes used in the tables and lists are defined in EXPLANATION OF CODES USED IN NATURAL HERITAGE REPORTS, which can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes_2010.pdf.

If you have questions concerning the wildlife records or wildlife species mentioned in this response, we recommend that you visit the interactive NJ-GeoWeb website at the following URL, <http://www.state.nj.us/dep/gis/geoweb splash.htm> or contact the Division of Fish and Wildlife, Endangered and Nongame Species Program at (609) 292-9400.

PLEASE SEE 'CAUTIONS AND RESTRICTIONS ON NHP DATA', which can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/newcaution2008.pdf>.

Thank you for consulting the Natural Heritage Program. The attached invoice details the payment due for processing this data request. Feel free to contact us again regarding any future data requests.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Robert J. Cartica', with a long horizontal stroke extending to the right.

Robert J. Cartica
Administrator

c: NHP File No. 14-4007443-6665

Mail Code 501-04
 Department of Environmental Protection
 State Forestry Services
 Office of Natural Lands Management
 P.O. Box 420 Trenton, New Jersey 08625-0420
 (609) 984-1339 Fax: (609) 984-1427

Invoice

	Date	Invoice #
	11/20/2014	6665
Bill to: CDM Smith 110 Fieldcrest Avenue, #8, 6th Floor Edison, NJ 08837	Make check payable to: Office of Natural Lands Management And forward with a copy of this statement to: Mail Code 501-04 Office of Natural Lands Management P.O. Box 420 Trenton, New Jersey 08625-0420	

Quantity (hrs.)	Description	Rate (per hr.)	Amount
1	Charge for Natural Heritage Database search for rare species and ecological communities locational information. Project: 14-4007443-6665	\$ 70.00	\$ 70.00
Jeffrey Rakowski Project Name: LRRP Middlesex and Monmouth Counties - SRP0037809		Total	\$ 70.00

Table 1: On Site Data Request Search Results (7 Possible Reports)

Rare Plants/Ecological Communities Possibly On Site:	No
Rare Plants/Ecological Communities On Site/Immediate Vicinity:	No
Natural Heritage Priority Sites On Site:	No
Landscape 3.1 Species Based Patches On Site:	Yes
Landscape 3.1 Vernal Pool Habitat On Site:	No
Landscape 3.1 Stream/Mussel Habitat On Site:	No
Other Animals Tracked by ENSP On Site:	No

<p>Rare Wildlife Species or Wildlife Habitat on the Project Site Based on Search of Landscape Project 3.1 Species Based Patches</p>
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Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Aves</i>								
	Glossy Ibis	Plegadis falcinellus	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Little Blue Heron	Egretta caerulea	Foraging	2	NA	Special Concern	G5	S3B,S3N
	Snowy Egret	Egretta thula	Foraging	2	NA	Special Concern	G5	S3B,S4N

Table 2: Vicinity Data Request Search Results (6 possible reports)

Rare Plants/Ecological Communities within the Vicinity:	No
Natural Heritage Priority Sites within the Vicinity:	No
Landscape 3.1 Species Based Patches within the Vicinity:	Yes
Landscape 3.1 Vernal Pool Habitat within the Vicinity:	No
Landscape 3.1 Stream/Mussel Habitat within the Vicinity:	No
Other Animals Tracked by ENSP within the Vicinity:	No

**Rare Wildlife Species or Wildlife Habitat Within the
Immediate Vicinity of the Project Site Based on Search of
Landscape Project 3.1 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Aves</i>								
	Glossy Ibis	Plegadis falcinellus	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Little Blue Heron	Egretta caerulea	Foraging	2	NA	Special Concern	G5	S3B,S3N
	Osprey	Pandion haliaetus	Foraging	3	NA	State Threatened	G5	S2B
	Snowy Egret	Egretta thula	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Wood Thrush	Hylocichla mustelina	Breeding Sighting	2	NA	Special Concern	G5	S3B
<i>Reptilia</i>								
	Atlantic	Caretta caretta	Occupied Habitat	5	Federally Listed Threatened	State Endangered	G3	S1



State of New Jersey

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CHRIS CHRISTIE
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KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

November 20, 2014

Jeffrey Rakowski
CDM Smith
110 Fieldcrest Avenue, #8, 6th Floor
Edison, NJ 08837

Re: LRRP Middlesex and Monmouth Counties - SRP0039829

Dear Mr. Rakowski:

Thank you for your data request regarding rare species information for the above referenced project site in Belmar Borough, Monmouth County.

Searches of the Natural Heritage Database and the Landscape Project (Version 3.1) are based on a representation of the boundaries of your project site in our Geographic Information System (GIS). We make every effort to accurately transfer your project bounds from the topographic map(s) submitted with the Request for Data into our Geographic Information System. We do not typically verify that your project bounds are accurate, or check them against other sources.

We have checked the Landscape Project habitat mapping and the Biotics Database for occurrences of any rare wildlife species or wildlife habitat on the referenced site. The Natural Heritage Database was searched for occurrences of rare plant species or ecological communities that may be on the project site. Please refer to Table 1 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented on site. A detailed report is provided for each category coded as 'Yes' in Table 1.

We have also checked the Landscape Project habitat mapping and Biotics Database for occurrences of rare wildlife species or wildlife habitat in the immediate vicinity (within ¼ mile) of the referenced site. Additionally, the Natural Heritage Database was checked for occurrences of rare plant species or ecological communities within ¼ mile of the site. Please refer to Table 2 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented within the immediate vicinity of the site. Detailed reports are provided for all categories coded as 'Yes' in Table 2. These reports may include species that have also been documented on the project site.

The Natural Heritage Program reviews its data periodically to identify priority sites for natural diversity in the State. Included as priority sites are some of the State's best habitats for rare and endangered species and ecological communities. Please refer to Tables 1 and 2 (attached) to determine if any priority sites are located on or in the vicinity of the site.

A list of rare plant species and ecological communities that have been documented from the project site, referenced above, can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/countylist.html>. If suitable habitat is present at the project site, the species in that list have potential to be present.

Status and rank codes used in the tables and lists are defined in EXPLANATION OF CODES USED IN NATURAL HERITAGE REPORTS, which can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes_2010.pdf.

If you have questions concerning the wildlife records or wildlife species mentioned in this response, we recommend that you visit the interactive NJ-GeoWeb website at the following URL, <http://www.state.nj.us/dep/gis/geoweb splash.htm> or contact the Division of Fish and Wildlife, Endangered and Nongame Species Program at (609) 292-9400.

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Thank you for consulting the Natural Heritage Program. The attached invoice details the payment due for processing this data request. Feel free to contact us again regarding any future data requests.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Robert J. Cartica', with a long horizontal stroke extending to the right.

Robert J. Cartica
Administrator

c: NHP File No. 14-4007421-6695

Mail Code 501-04
 Department of Environmental Protection
 State Forestry Services
 Office of Natural Lands Management
 P.O. Box 420 Trenton, New Jersey 08625-0420
 (609) 984-1339 Fax: (609) 984-1427

Invoice

		Date	Invoice #
		11/20/2014	6695
Bill to: CDM Smith 110 Fieldcrest Avenue, #8, 6th Floor Edison, NJ 08837		Make check payable to: Office of Natural Lands Management And forward with a copy of this statement to: Mail Code 501-04 Office of Natural Lands Management P.O. Box 420 Trenton, New Jersey 08625-0420	
Quantity (hrs.)	Description	Rate (per hr.)	Amount
1	Charge for Natural Heritage Database search for rare species and ecological communities locational information. Project: 14-4007421-6695	\$ 70.00	\$ 70.00
Jeffrey Rakowski Project Name: LRRP Middlesex and Monmouth Counties - SRP0039829		Total	\$ 70.00

Table 1: On Site Data Request Search Results (7 Possible Reports)

Rare Plants/Ecological Communities Possibly On Site:	No
Rare Plants/Ecological Communities On Site/Immediate Vicinity:	Yes
Natural Heritage Priority Sites On Site:	No
Landscape 3.1 Species Based Patches On Site:	No
Landscape 3.1 Vernal Pool Habitat On Site:	No
Landscape 3.1 Stream/Mussel Habitat On Site:	No
Other Animals Tracked by ENSP On Site:	Yes

**On or In the Immediate Vicinity of the
Project Site Based on Search of the
Natural Heritage Database: Rare Plant Species and
Ecological Communities Currently Recorded in the New
Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
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Vascular Plants

Carex silicea	Seabeach Sedge			HL	G5	S3	Y - Yes	1909-07-31	Dunes, Belmar.
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Total number of records: 1

**Other Animal Species
On the Project Site Based on
Additional Species Tracked by
Endangered and Nongame Species Program**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Grank	Srank
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Invertebrate Animals

Metarranthis pilosaria	Coastal Bog Metarranthis			G3G4	S3S4
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Total number of records: 1

Table 2: Vicinity Data Request Search Results (6 possible reports)

Rare Plants/Ecological Communities within the Vicinity:	Yes
Natural Heritage Priority Sites within the Vicinity:	No
Landscape 3.1 Species Based Patches within the Vicinity:	Yes
Landscape 3.1 Vernal Pool Habitat within the Vicinity:	No
Landscape 3.1 Stream/Mussel Habitat within the Vicinity:	No
Other Animals Tracked by ENSP within the Vicinity:	Yes

**Immediate Vicinity of the Project Site
Based on Search of Natural Heritage Database
Rare Plant Species and Ecological Communities Currently Recorded in
the New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Vascular Plants</i>									
Amaranthus pumilus	Seabeach Amaranth	LT	E	LP, HL	G2	S1	Y - Yes	2011-08-25	2001-2011: Located south side of Shark River Inlet in Belmar and 1.4 kilometers south to 13th Street.
Carex silicea	Seabeach Sedge			HL	G5	S3	Y - Yes	1909-07-31	Dunes, Belmar.
Total number of records:		2							

**Rare Wildlife Species or Wildlife Habitat Within the
Immediate Vicinity of the Project Site Based on Search of
Landscape Project 3.1 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Aves</i>								
	Least Tern	Sternula antillarum	Foraging	4	NA	State Endangered	G4	S1B,S1N
<i>Mammalia</i>								
	Fin Whale	Balaenoptera physalus	Live Individual Sighting	5	Federally Listed Endangered	State Endangered	G3G4	S1
	Humpback Whale	Megaptera novaeangliae	Live Individual Sighting	5	Federally Listed Endangered	State Endangered	G4	S1
	North Atlantic Right Whale	Eubalaena glacialis	Live Individual Sighting	5	Federally Listed Endangered	State Endangered	G1	S1
<i>Reptilia</i>								
	Atlantic Leatherback	Dermochelys coriacea	Occupied Habitat	5	Federally Listed Endangered	State Endangered	G2	S1

**Other Animal Species
In the Immediate Vicinity of the Project Site Based on
Additional Species Tracked by
Endangered and Nongame Species Program**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Grank	Srank
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Invertebrate Animals

Metarranthis pilosaria	Coastal Bog Metarranthis			G3G4	S3S4
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Total number of records: 1



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
State Forestry Services
Mail Code 501-04
ONLM -Natural Heritage Program
P.O. Box 420
Trenton, NJ 08625-0420
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CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

November 20, 2014

Jeffrey Rakowski
CDM Smith
110 Fieldcrest Avenue, #8, 6th Floor
Edison, NJ 08837

Re: LRRP Middlesex and Monmouth Counties - SRP0042661

Dear Mr. Rakowski:

Thank you for your data request regarding rare species information for the above referenced project site in Bradley Beach Borough, Monmouth County.

Searches of the Natural Heritage Database and the Landscape Project (Version 3.1) are based on a representation of the boundaries of your project site in our Geographic Information System (GIS). We make every effort to accurately transfer your project bounds from the topographic map(s) submitted with the Request for Data into our Geographic Information System. We do not typically verify that your project bounds are accurate, or check them against other sources.

We have checked the Landscape Project habitat mapping and the Biotics Database for occurrences of any rare wildlife species or wildlife habitat on the referenced site. The Natural Heritage Database was searched for occurrences of rare plant species or ecological communities that may be on the project site. Please refer to Table 1 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented on site. A detailed report is provided for each category coded as 'Yes' in Table 1.

We have also checked the Landscape Project habitat mapping and Biotics Database for occurrences of rare wildlife species or wildlife habitat in the immediate vicinity (within ¼ mile) of the referenced site. Additionally, the Natural Heritage Database was checked for occurrences of rare plant species or ecological communities within ¼ mile of the site. Please refer to Table 2 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented within the immediate vicinity of the site. Detailed reports are provided for all categories coded as 'Yes' in Table 2. These reports may include species that have also been documented on the project site.

The Natural Heritage Program reviews its data periodically to identify priority sites for natural diversity in the State. Included as priority sites are some of the State's best habitats for rare and endangered species and ecological communities. Please refer to Tables 1 and 2 (attached) to determine if any priority sites are located on or in the vicinity of the site.

A list of rare plant species and ecological communities that have been documented from the project site, referenced above, can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/countylist.html>. If suitable habitat is present at the project site, the species in that list have potential to be present.

Status and rank codes used in the tables and lists are defined in EXPLANATION OF CODES USED IN NATURAL HERITAGE REPORTS, which can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes_2010.pdf.

If you have questions concerning the wildlife records or wildlife species mentioned in this response, we recommend that you visit the interactive NJ-GeoWeb website at the following URL, <http://www.state.nj.us/dep/gis/geoweb splash.htm> or contact the Division of Fish and Wildlife, Endangered and Nongame Species Program at (609) 292-9400.

PLEASE SEE 'CAUTIONS AND RESTRICTIONS ON NHP DATA', which can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/newcaution2008.pdf>.

Thank you for consulting the Natural Heritage Program. The attached invoice details the payment due for processing this data request. Feel free to contact us again regarding any future data requests.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Robert J. Cartica', with a long horizontal flourish extending to the right.

Robert J. Cartica
Administrator

c: NHP File No. 14-4007421-6697

Mail Code 501-04
 Department of Environmental Protection
 State Forestry Services
 Office of Natural Lands Management
 P.O. Box 420 Trenton, New Jersey 08625-0420
 (609) 984-1339 Fax: (609) 984-1427

Invoice

		Date	Invoice #
		11/20/2014	6697
Bill to: CDM Smith 110 Fieldcrest Avenue, #8, 6th Floor Edison, NJ 08837		Make check payable to: Office of Natural Lands Management And forward with a copy of this statement to: Mail Code 501-04 Office of Natural Lands Management P.O. Box 420 Trenton, New Jersey 08625-0420	
Quantity (hrs.)	Description	Rate (per hr.)	Amount
1	Charge for Natural Heritage Database search for rare species and ecological communities locational information. Project: 14-4007421-6697	\$ 70.00	\$ 70.00
Jeffrey Rakowski Project Name: LRRP Middlesex and Monmouth Counties - SRP0042661		Total	\$ 70.00

Table 1: On Site Data Request Search Results (7 Possible Reports)

Rare Plants/Ecological Communities Possibly On Site:	No
Rare Plants/Ecological Communities On Site/Immediate Vicinity:	No
Natural Heritage Priority Sites On Site:	No
Landscape 3.1 Species Based Patches On Site:	No
Landscape 3.1 Vernal Pool Habitat On Site:	No
Landscape 3.1 Stream/Mussel Habitat On Site:	No
Other Animals Tracked by ENSP On Site:	Yes

**Other Animal Species
On the Project Site Based on
Additional Species Tracked by
Endangered and Nongame Species Program**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Grank	Srank
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Invertebrate Animals

Metarranthis pilosaria	Coastal Bog Metarranthis			G3G4	S3S4
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Total number of records: 1

Table 2: Vicinity Data Request Search Results (6 possible reports)

Rare Plants/Ecological Communities within the Vicinity:	Yes
Natural Heritage Priority Sites within the Vicinity:	No
Landscape 3.1 Species Based Patches within the Vicinity:	Yes
Landscape 3.1 Vernal Pool Habitat within the Vicinity:	No
Landscape 3.1 Stream/Mussel Habitat within the Vicinity:	No
Other Animals Tracked by ENSP within the Vicinity:	Yes

**Immediate Vicinity of the Project Site
Based on Search of Natural Heritage Database
Rare Plant Species and Ecological Communities Currently Recorded in
the New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Vascular Plants</i>									
Amaranthus pumilus	Seabeach Amaranth	LT	E	LP, HL	G2	S1	Y - Yes	2003-12-04	2011: Located on approximately 0.8 km of beaches, north of LaReine Avenue in Bradley Beach to north end of Avon-by-the-Sea.
Sesuvium maritimum	Seabeach Purslane			HL	G5	S2	Y - Yes	2002-08-22	2002: Occurrence is located on ocean beaches near east end of Sylvan Lake in an area around a buried outflow pipe protected by snow fencing. [Located in Avon-by-the-Sea Borough, Monmouth County].

Total number of records: 2

**Rare Wildlife Species or Wildlife Habitat Within the
Immediate Vicinity of the Project Site Based on Search of
Landscape Project 3.1 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Aves</i>								
	Bald Eagle	Haliaeetus leucocephalus	Foraging	4	NA	State Endangered	G5	S1B,S2N
	Black-crowned Night-heron	Nycticorax nycticorax	Foraging	3	NA	State Threatened	G5	S2B,S3N
	Great Blue Heron	Ardea herodias	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Least Tern	Sternula antillarum	Foraging	4	NA	State Endangered	G4	S1B,S1N
<i>Mammalia</i>								
	Fin Whale	Balaenoptera physalus	Live Individual Sighting	5	Federally Listed Endangered	State Endangered	G3G4	S1
	Humpback Whale	Megaptera novaeangliae	Live Individual Sighting	5	Federally Listed Endangered	State Endangered	G4	S1
	North Atlantic Right Whale	Eubalaena glacialis	Live Individual Sighting	5	Federally Listed Endangered	State Endangered	G1	S1
<i>Reptilia</i>								
	Atlantic Leatherback	Dermochelys coriacea	Occupied Habitat	5	Federally Listed Endangered	State Endangered	G2	S1

**Other Animal Species
In the Immediate Vicinity of the Project Site Based on
Additional Species Tracked by
Endangered and Nongame Species Program**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Grank	Srank
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Invertebrate Animals

Metarranthis pilosaria	Coastal Bog Metarranthis			G3G4	S3S4
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Total number of records: 1



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
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CHRIS CHRISTIE
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Lt. Governor

BOB MARTIN
Commissioner

November 20, 2014

Jeffrey Rakowski
CDM Smith
110 Fieldcrest Avenue, #8, 6th Floor
Edison, NJ 08837

Re: LRRP Middlesex and Monmouth Counties - SRP0044260

Dear Mr. Rakowski:

Thank you for your data request regarding rare species information for the above referenced project site in Sea Bright Borough, Monmouth County.

Searches of the Natural Heritage Database and the Landscape Project (Version 3.1) are based on a representation of the boundaries of your project site in our Geographic Information System (GIS). We make every effort to accurately transfer your project bounds from the topographic map(s) submitted with the Request for Data into our Geographic Information System. We do not typically verify that your project bounds are accurate, or check them against other sources.

We have checked the Landscape Project habitat mapping and the Biotics Database for occurrences of any rare wildlife species or wildlife habitat on the referenced site. The Natural Heritage Database was searched for occurrences of rare plant species or ecological communities that may be on the project site. Please refer to Table 1 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented on site. A detailed report is provided for each category coded as 'Yes' in Table 1.

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PLEASE SEE 'CAUTIONS AND RESTRICTIONS ON NHP DATA', which can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/newcaution2008.pdf>.

Thank you for consulting the Natural Heritage Program. The attached invoice details the payment due for processing this data request. Feel free to contact us again regarding any future data requests.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Robert J. Cartica', with a long horizontal stroke extending to the right.

Robert J. Cartica
Administrator

c: NHP File No. 14-4007338-6696

Mail Code 501-04
 Department of Environmental Protection
 State Forestry Services
 Office of Natural Lands Management
 P.O. Box 420 Trenton, New Jersey 08625-0420
 (609) 984-1339 Fax: (609) 984-1427

Invoice

		Date	Invoice #
		11/20/2014	6696
Bill to: CDM Smith 110 Fieldcrest Avenue, #8, 6th Floor Edison, NJ 08837		Make check payable to: Office of Natural Lands Management And forward with a copy of this statement to: Mail Code 501-04 Office of Natural Lands Management P.O. Box 420 Trenton, New Jersey 08625-0420	
Quantity (hrs.)	Description	Rate (per hr.)	Amount
1	Charge for Natural Heritage Database search for rare species and ecological communities locational information. Project: 14-4007338-6696	\$ 70.00	\$ 70.00
Jeffrey Rakowski Project Name: LRRP Middlesex and Monmouth Counties - SRP0044260		Total	\$ 70.00

Table 1: On Site Data Request Search Results (7 Possible Reports)

Rare Plants/Ecological Communities Possibly On Site:	No
Rare Plants/Ecological Communities On Site/Immediate Vicinity:	No
Natural Heritage Priority Sites On Site:	No
Landscape 3.1 Species Based Patches On Site:	No
Landscape 3.1 Vernal Pool Habitat On Site:	No
Landscape 3.1 Stream/Mussel Habitat On Site:	No
Other Animals Tracked by ENSP On Site:	No

Table 2: Vicinity Data Request Search Results (6 possible reports)

Rare Plants/Ecological Communities within the Vicinity:	Yes
Natural Heritage Priority Sites within the Vicinity:	No
Landscape 3.1 Species Based Patches within the Vicinity:	Yes
Landscape 3.1 Vernal Pool Habitat within the Vicinity:	No
Landscape 3.1 Stream/Mussel Habitat within the Vicinity:	No
Other Animals Tracked by ENSP within the Vicinity:	No

**Immediate Vicinity of the Project Site
Based on Search of Natural Heritage Database
Rare Plant Species and Ecological Communities Currently Recorded in
the New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Vascular Plants</i>									
Amaranthus pumilus	Seabeach Amaranth	LT	E	LP, HL	G2	S1	Y - Yes	2003-09-11	Along the coast in various locations from east of Fort Hancock on Sandy Hook south to the southern end of Monmouth Beach Boro.

Total number of records: 1

**Rare Wildlife Species or Wildlife Habitat Within the
Immediate Vicinity of the Project Site Based on Search of
Landscape Project 3.1 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Aves</i>								
	Black-crowned Night-heron	Nycticorax nycticorax	Foraging	3	NA	State Threatened	G5	S2B,S3N
	Common Tern	Sterna hirundo	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Least Tern	Sternula antillarum	Foraging	4	NA	State Endangered	G4	S1B,S1N
	Osprey	Pandion haliaetus	Foraging	3	NA	State Threatened	G5	S2B
	Osprey	Pandion haliaetus	Nest	3	NA	State Threatened	G5	S2B
<i>Mammalia</i>								
	Fin Whale	Balaenoptera physalus	Live Individual Sighting	5	Federally Listed Endangered	State Endangered	G3G4	S1
	Humpback Whale	Megaptera novaeangliae	Live Individual Sighting	5	Federally Listed Endangered	State Endangered	G4	S1
	North Atlantic Right Whale	Eubalaena glacialis	Live Individual Sighting	5	Federally Listed Endangered	State Endangered	G1	S1
<i>Reptilia</i>								
	Atlantic Leatherback	Dermochelys coriacea	Occupied Habitat	5	Federally Listed Endangered	State Endangered	G2	S1



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
State Forestry Services
Mail Code 501-04
ONLM -Natural Heritage Program
P.O. Box 420
Trenton, NJ 08625-0420
Tel. #609-984-1339
Fax. #609-984-1427

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

November 20, 2014

Jeffrey Rakowski
CDM Smith
110 Fieldcrest Avenue, #8, 6th Floor
Edison, NJ 08837

Re: LRRP Middlesex and Monmouth Counties - SRP0044410

Dear Mr. Rakowski:

Thank you for your data request regarding rare species information for the above referenced project site in Keansburg Borough, Monmouth County.

Searches of the Natural Heritage Database and the Landscape Project (Version 3.1) are based on a representation of the boundaries of your project site in our Geographic Information System (GIS). We make every effort to accurately transfer your project bounds from the topographic map(s) submitted with the Request for Data into our Geographic Information System. We do not typically verify that your project bounds are accurate, or check them against other sources.

We have checked the Landscape Project habitat mapping and the Biotics Database for occurrences of any rare wildlife species or wildlife habitat on the referenced site. The Natural Heritage Database was searched for occurrences of rare plant species or ecological communities that may be on the project site. Please refer to Table 1 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented on site. A detailed report is provided for each category coded as 'Yes' in Table 1.

We have also checked the Landscape Project habitat mapping and Biotics Database for occurrences of rare wildlife species or wildlife habitat in the immediate vicinity (within ¼ mile) of the referenced site. Additionally, the Natural Heritage Database was checked for occurrences of rare plant species or ecological communities within ¼ mile of the site. Please refer to Table 2 (attached) to determine if any rare plant species, ecological communities, or rare wildlife species or wildlife habitat are documented within the immediate vicinity of the site. Detailed reports are provided for all categories coded as 'Yes' in Table 2. These reports may include species that have also been documented on the project site.

The Natural Heritage Program reviews its data periodically to identify priority sites for natural diversity in the State. Included as priority sites are some of the State's best habitats for rare and endangered species and ecological communities. Please refer to Tables 1 and 2 (attached) to determine if any priority sites are located on or in the vicinity of the site.

A list of rare plant species and ecological communities that have been documented from the project site, referenced above, can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/countylist.html>. If suitable habitat is present at the project site, the species in that list have potential to be present.

Status and rank codes used in the tables and lists are defined in EXPLANATION OF CODES USED IN NATURAL HERITAGE REPORTS, which can be downloaded from http://www.state.nj.us/dep/parksandforests/natural/heritage/nhpcodes_2010.pdf.

If you have questions concerning the wildlife records or wildlife species mentioned in this response, we recommend that you visit the interactive NJ-GeoWeb website at the following URL, <http://www.state.nj.us/dep/gis/geoweb splash.htm> or contact the Division of Fish and Wildlife, Endangered and Nongame Species Program at (609) 292-9400.

PLEASE SEE 'CAUTIONS AND RESTRICTIONS ON NHP DATA', which can be downloaded from <http://www.state.nj.us/dep/parksandforests/natural/heritage/newcaution2008.pdf>.

Thank you for consulting the Natural Heritage Program. The attached invoice details the payment due for processing this data request. Feel free to contact us again regarding any future data requests.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Robert J. Cartica', with a long horizontal flourish extending to the right.

Robert J. Cartica
Administrator

c: NHP File No. 14-4007442-6694

Mail Code 501-04
 Department of Environmental Protection
 State Forestry Services
 Office of Natural Lands Management
 P.O. Box 420 Trenton, New Jersey 08625-0420
 (609) 984-1339 Fax: (609) 984-1427

Invoice

		Date	Invoice #
		11/20/2014	6694
Bill to: CDM Smith 110 Fieldcrest Avenue, #8, 6th Floor Edison, NJ 08837		Make check payable to: Office of Natural Lands Management And forward with a copy of this statement to: Mail Code 501-04 Office of Natural Lands Management P.O. Box 420 Trenton, New Jersey 08625-0420	
Quantity (hrs.)	Description	Rate (per hr.)	Amount
1	Charge for Natural Heritage Database search for rare species and ecological communities locational information. Project: 14-4007442-6694	\$ 70.00	\$ 70.00
Jeffrey Rakowski Project Name: LRRP Middlesex and Monmouth Counties - SRP0044410		Total	\$ 70.00

Table 1: On Site Data Request Search Results (7 Possible Reports)

Rare Plants/Ecological Communities Possibly On Site:	No
Rare Plants/Ecological Communities On Site/Immediate Vicinity:	No
Natural Heritage Priority Sites On Site:	No
Landscape 3.1 Species Based Patches On Site:	No
Landscape 3.1 Vernal Pool Habitat On Site:	No
Landscape 3.1 Stream/Mussel Habitat On Site:	No
Other Animals Tracked by ENSP On Site:	No

Table 2: Vicinity Data Request Search Results (6 possible reports)

Rare Plants/Ecological Communities within the Vicinity:	Yes
Natural Heritage Priority Sites within the Vicinity:	No
Landscape 3.1 Species Based Patches within the Vicinity:	Yes
Landscape 3.1 Vernal Pool Habitat within the Vicinity:	No
Landscape 3.1 Stream/Mussel Habitat within the Vicinity:	No
Other Animals Tracked by ENSP within the Vicinity:	No

**Immediate Vicinity of the Project Site
Based on Search of Natural Heritage Database
Rare Plant Species and Ecological Communities Currently Recorded in
the New Jersey Natural Heritage Database**

Scientific Name	Common Name	Federal Protection Status	State Protection Status	Regional Status	Grank	Srank	Identified	Last Observed	Location
<i>Vascular Plants</i>									
Artemisia campestris ssp. caudata	Beach Wormwood			HL	G5T5	S2	Y - Yes	2010-09-13	2010-08-03: Dunes, 800 meters west of Keansburg pier to 1 kilometer east of Pew's Creek. Two subpopulations located near beach of Keansburg. Western population is located 450 feet west-southwest of intersection of Beachway and Carr Avenue, 175 meters northwest of intersection of Beachway and Pinewood Place, 225 meters southwest of Keansburg Fishing Pier; eastern population is located 300 meters east of intersection of Beachway and Carr Avenue, 650 meters east-northeast of intersection of Beachway and Pinewood Place, 600 meters east-southeast of Keansburg Fishing Pier; both are in Keansburg, Monmouth County.

Total number of records: 1

**Rare Wildlife Species or Wildlife Habitat Within the
Immediate Vicinity of the Project Site Based on Search of
Landscape Project 3.1 Species Based Patches**

Class	Common Name	Scientific Name	Feature Type	Rank	Federal Protection Status	State Protection Status	Grank	Srank
<i>Aves</i>								
	Black Skimmer	Rynchops niger	Foraging	4	NA	State Endangered	G5	S1B,S1N
	Black-crowned Night-heron	Nycticorax nycticorax	Foraging	3	NA	State Threatened	G5	S2B,S3N
	Common Tern	Sterna hirundo	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Glossy Ibis	Plegadis falcinellus	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Least Tern	Sternula antillarum	Foraging	4	NA	State Endangered	G4	S1B,S1N
	Least Tern	Sternula antillarum	Nesting Colony	4	NA	State Endangered	G4	S1B,S1N
	Osprey	Pandion haliaetus	Foraging	3	NA	State Threatened	G5	S2B
	Snowy Egret	Egretta thula	Foraging	2	NA	Special Concern	G5	S3B,S4N
	Tricolored Heron	Egretta tricolor	Foraging	2	NA	Special Concern	G5	S3B,S3N
	Yellow-crowned Night-heron	Nyctanassa violacea	Foraging	3	NA	State Threatened	G5	S2B,S2N

From: [DEP NATLANDS](#)
To: [Rakowski, Jeffrey](#)
Cc: [Dunn, Patrick](#); Steven.Sherman@icfi.com; [Macwan, Vanessa](#)
Subject: RE: CDBG-DR LRRP Middlesex and Monmouth Counties Natural Heritage Data Request
Date: Thursday, November 13, 2014 9:59:21 AM

Request rec'd.

Time Frame for Response:

Data requests are processed in the order in which they are received; **please allow 30 days for response.**

Thank you
The Natural Heritage Program
609-984-1339

From: Rakowski, Jeffrey [mailto:RakowskiJJ@cdmsmith.com]
Sent: Wednesday, November 12, 2014 5:21 PM
To: DEP NATLANDS
Cc: Dunn, Patrick; Steven.Sherman@icfi.com; Macwan, Vanessa
Subject: CDBG-DR LRRP Middlesex and Monmouth Counties Natural Heritage Data Request

Hello,

Attached is a Natural Heritage Data Request for the Community Development Block Grant-Disaster Recovery (CDBG-DR) funded project known as the LRRP Middlesex and Monmouth Counties Project. Please let me know if you need any additional details.

Thank you!

Jeffrey Rakowski
CDM Smith
110 Fieldcrest Avenue
Edison, NJ 08837
Office: 732-590-4665
Cell: 732-675-0159



110 Fieldcrest Avenue, #8
Edison, New Jersey 08837
tel: 732-225-7000
fax: 732-225-7851

November 12, 2014

State of New Jersey Department of Environmental Protection
Natural Heritage Data Request Form
The New Jersey Natural Heritage Program
DEP – Office of Natural Lands Management
Mail Code 501-04
P.O. Box 420
501 E. State Street
Station Plaza #5, 4th Floor
Trenton, New Jersey 08625-0420

Subject: Natural Heritage Data Request
CDBG-DR Program- LRRP Middlesex and Monmouth Counties Project

To whom it may concern:

CDM Smith hereby submits a Natural Heritage Data Request for the Community Development Block Grant-Disaster Recovery (CDBG-DR) funded project known as the Landlord Rental Repair Program (LRRP) Middlesex and Monmouth Counties Project. The proposed project would reconstruct five multi-family rental properties in Middlesex and Monmouth Counties.

CDM Smith is requesting a search of the Natural Heritage Database for records of threatened or endangered species, proposed threatened or endangered species, and critical habitat on or in the vicinity of the proposed activity sites. Information in your office's response to this data request will be incorporated into an environmental assessment being prepared pursuant to U.S. Department of Housing and Urban Development (HUD) regulations.

Enclosed please find the completed Natural Heritage Data Request Form, USGS quad maps identifying the proposed activity sites, and a table listing each site and its associated block, lot, and NAD 1983 State Plane coordinates.

If you should have any questions or require additional information regarding this project, please do not hesitate to contact me at 732-590-4665 or rakowskiji@cdmsmith.com.

Sincerely,

Jeffrey Rakowski
CDM Smith Inc.





State of New Jersey
Mail Code 501-04
Department of Environmental Protection
Natural Heritage Data Request Form
 The New Jersey Natural Heritage Program
 DEP-Office of Natural Lands Management
 P.O. Box 420, Trenton, New Jersey 08625-0420
 (609) 984-1339
 Fax No.: (609) 984-1427



PLEASE PRINT AND SUBMIT COMPLETED FORM WITH ATTACHMENTS TO THE ADDRESS ABOVE
 (Fields shown in bold font must be completed in order for data request to be processed.)

1. **Name:** Jeffrey Rakowski Agency/Company: CDM Smith
Address: 110 Fieldcrest Avenue, 6th floor **City:** Edison
State: NJ **Zip:** 08837 **Daytime Phone:** 732-590-4665 **Ext.:** _____
 Cell Phone: _____ Email: rakowskijj@cdmsmith.com

2. **Project Name:** LRRP Middlesex and Monmouth Counties
Municipality(ies): South Amboy, Keansburg, Belmar, Sea Bright, and Bradley Beach **County(ies):** Middlesex and Monmouth
Block(s): See Attached **Lot(s):** See Attached
 N.A.D. 1983 State Plane Coordinates (feet) 6 digits only: _____ **E (x):** See Attached **N (y):** See Attached

3. **Project Description:** The proposed project would reconstruct five multi-family rental properties in Middlesex and Monmouth counties. See the attached table for the list of properties.

4. **USGS Quad:** X A copy of a USGS quad map(s) that clearly indicates the site boundary is included with this form. Specify name of USGS quad(s): South Amboy, Keyport, East Long Branch, and Asbury Park
 (USGS quad maps are required, unless prior arrangements have been made to submit site boundaries in an alternate format. Responses will be delayed if site locations are not delineated in a suitable format.)

5. **Flood Hazard Control Act Use:** **Is this request submitted as part of a Flood Hazard Area Control Act rule (N.J.A.C. 7:13) application? Yes ___ No X**

6. **Acknowledgement & Signature:** Any material supplied by the Office of Natural Lands Management will not be published without crediting the Natural Heritage Database as the source of the material. It is understood that there will be a charge of \$70.00 per hour for the services requested. An invoice will be sent with the request response and payment should be made by check or money order payable to "Office of Natural Lands Management."

Signed J. Rakowski Date November 12, 2014

Time Frame for Response:
 Data requests are processed in the order in which they are received; please allow 30 days for response. If you would like to send in your data request via email, you may do so by sending it to Natlands@dep.state.nj.us. Due to the number of attachments, we cannot fax results. Unless you specifically request that your response be mailed or the response is unusually large, your response will be emailed to the address you provide.

FOR OFFICE USE ONLY

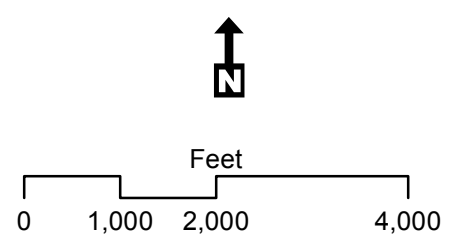
DATE RECEIVED _____
 Item Code: REG ___ ST ___ RTC ___ NC ___ REGEO ___ STEO ___ RTCEO ___ NCEO ___
 Hrs: _____
 Project Code: _____ Inv. #: _____



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 Angella

Service Layer Credits: USGS TNM - Map Indices
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- Proposed Activity Site
- 7.5 Minute (1:24K) Index



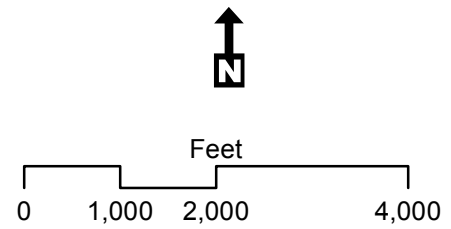
LRRP - Middlesex and Monmouth Counties
Middlesex County
USGS 7.5 Minute Quad



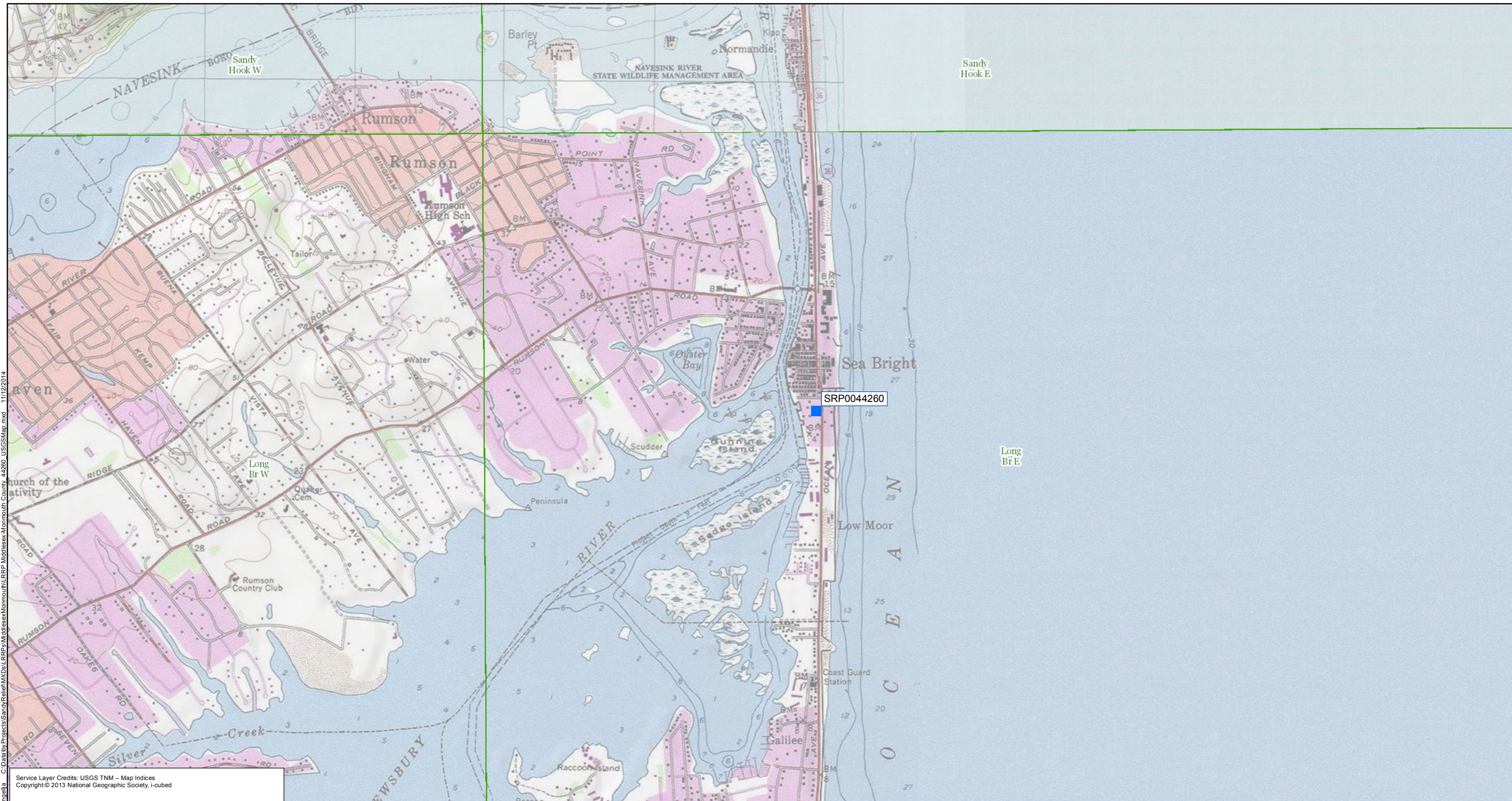
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- Proposed Activity Site
- 7.5 Minute (1:24K) Index



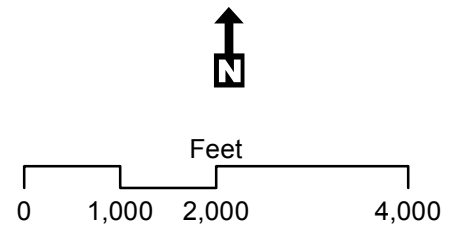
LRRP - Middlesex and Monmouth Counties
Monmouth County
USGS 7.5 Minute Quad



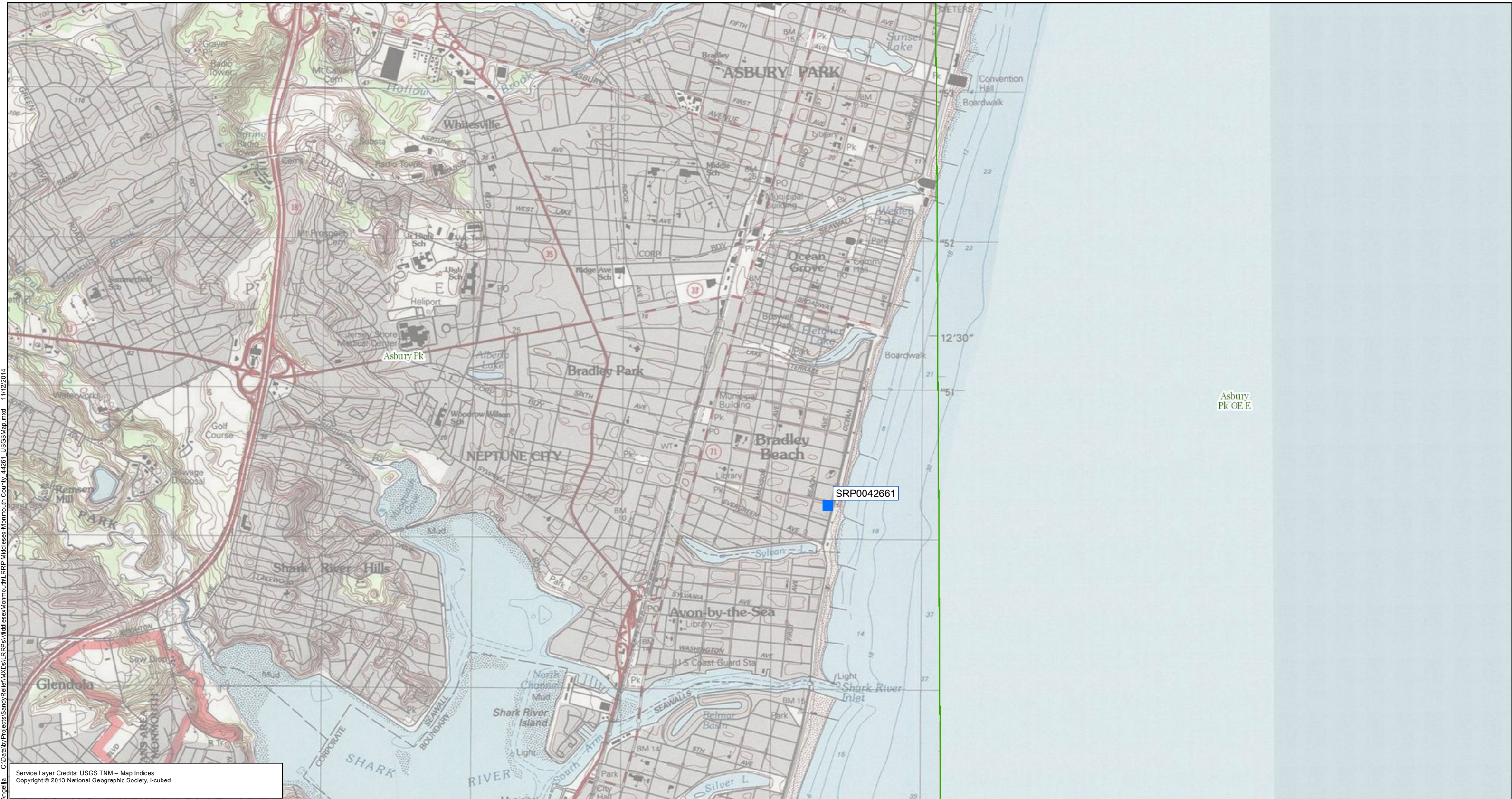
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 11/12/2014
 Angella

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- Proposed Activity Site
- 7.5 Minute (1:24K) Index



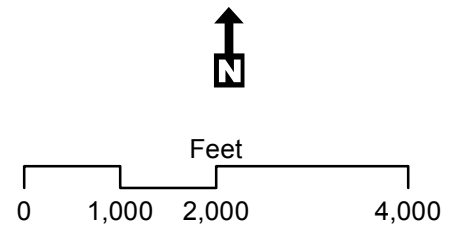
LRRP - Middlesex and Monmouth Counties
Monmouth County
USGS 7.5 Minute Quad



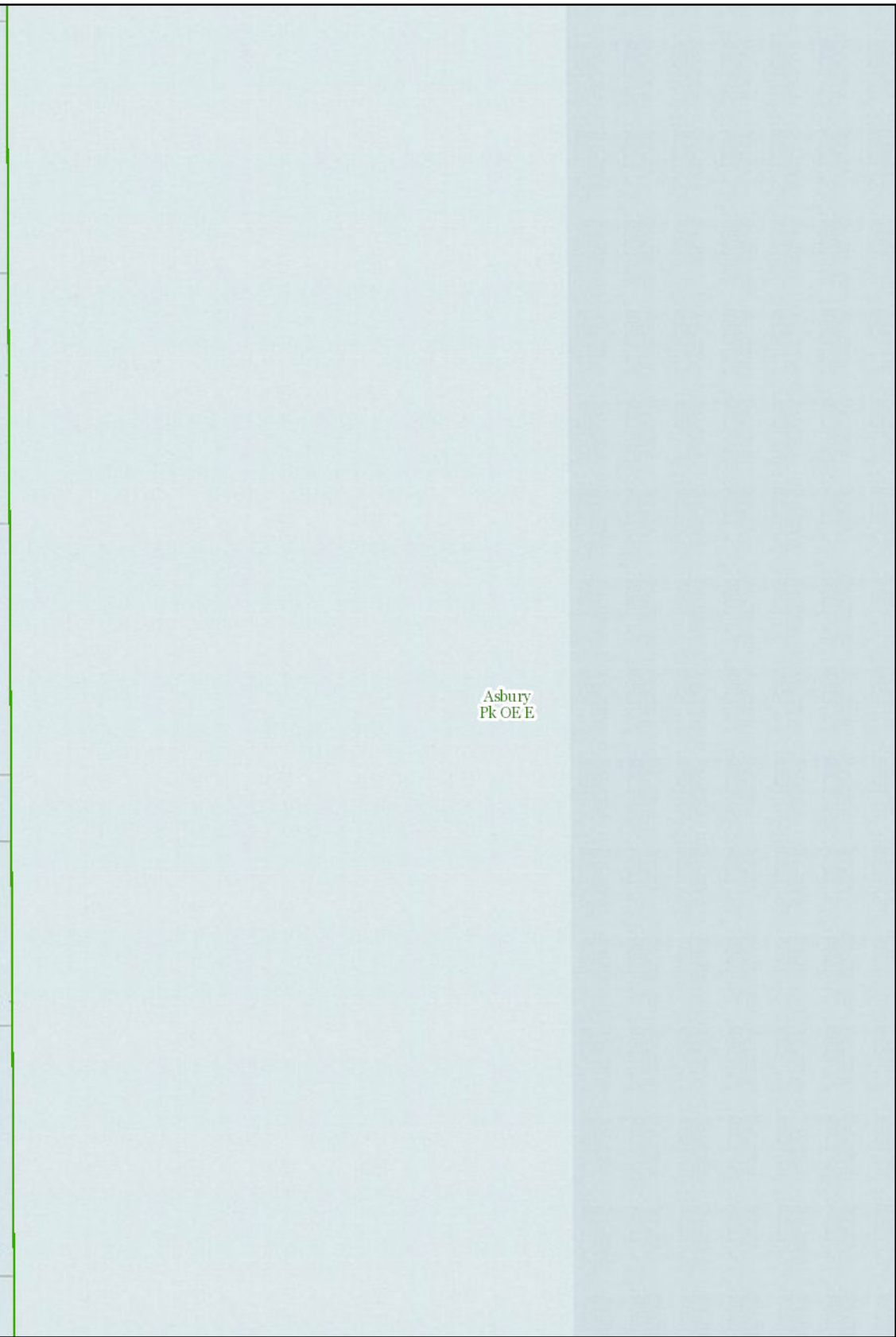
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- Proposed Activity Site
- 7.5 Minute (1:24K) Index



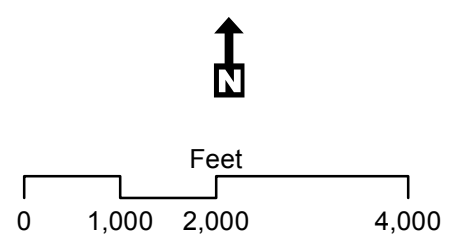
LRRP - Middlesex and Monmouth Counties
Monmouth County
USGS 7.5 Minute Quad



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- Proposed Activity Site
- 7.5 Minute (1:24K) Index



LRRP - Middlesex and Monmouth Counties
Monmouth County
USGS 7.5 Minute Quad

Application ID	PAMS_PIN	Address	Municipality	County	Block	Lot	X Coordinate	Y Coordinate
SRP0037809	1220_161.02_22	139 S ROSEWELL ST	SOUTH AMBOY	Middlesex	161.02	22	554463	601245
SRP0044410	1323_19_24	19 PINEVIEW AVE	KEANSBURG	Monmouth	19	24	595059	589768
SRP0039829	1307_100_13	114 ELEVENTH AVE	BELMAR	Monmouth	100	13	627470	489570
SRP0044260	1342_3_29	1198 OCEAN AVE	SEA BRIGHT	Monmouth	3	29	638706	555863
SRP0042661	1308_66_9	211 OCEAN AVE	BRADLEY BEACH	Monmouth	66	9	629363	497492