

# **Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project**

## **APPENDIX H: Summaries of Change, Technical Correction Assessments, and Maps for New Jersey**









# APPENDIX H: Summaries of Change, Technical Correction Assessments, and Maps for New Jersey

Section 4(a) of the 2006 Coastal Barrier Resources Reauthorization Act (CBRRA) specifies that the Secretary of the Interior shall create digital versions of all of the CBRS maps that were not included in the Digital Mapping Pilot Project. Section 4(c)(3)(A) of the 2006 CBRRA requires a report that describes the extent to which the boundary lines on the digital maps differ from the boundary lines on the original maps. Section 4(c)(3)(D) of the 2006 CBRRA requires a report that contains recommendations for expansion of the John H. Chafee Coastal Barrier Resources System (CBRS).

This appendix contains the following for New Jersey: (1) statewide reference map and statewide summary of final recommended changes; (2) summaries of recommended changes for each of the units; (3) technical correction assessments; and (4) final recommended CBRS maps.

## Statewide Reference Map and Statewide Summary of Final Recommended Changes

The statewide reference map in this appendix is for reference purposes and depicts the recommended CBRS units in New Jersey. The statewide summary of final recommended changes in this appendix contains the following information: the number and type of units, overview of public review and comments received, changes between proposed and final recommended, recommended acreage and structure changes, recommended changes by land ownership type, and a list of units within the state.

## Unit Summaries

The unit summaries in this appendix describe the final recommended changes to the unit boundaries, the associated acreage and shoreline mile changes, and the number of structures recommended for addition to, removal from, and reclassification within the CBRS.

*Diamondback terrapin,  
Forsythe National Wildlife Refuge  
taken by Ellen & Tony* © ⓘ ⓘ ⓘ



For existing CBRS units, the unit summaries in this appendix contain the following information:

- **Type of Unit:** Indicates whether the CBRS unit is a System Unit or an Otherwise Protected Area (OPA).
- **County:** Provides the counties that the CBRS unit is located within.
- **Congressional District:** Provides the congressional districts that the CBRS unit is located within.
- **Existing Map(s):** Provides the map number(s) and date(s) of the existing map(s) for the CBRS unit.
- **Final Recommended Map(s):** Provides the map number(s) and date(s) of the final recommended map(s) for the CBRS unit. All of the final recommended maps produced through the Hurricane Sandy Remapping Project are dated December 18, 2020.
- **Base Map Imagery Source and Date:** Provides the source and date of the underlying aerial imagery used as the base map for the CBRS unit.
- **Establishment of Unit:** Provides the public law number that first established the CBRS unit and the date on which that law was enacted.
- **Historical Changes:** Provides a history of changes (if any) affecting the map(s) for the CBRS unit.
- **Public Comments:** Provides information regarding the public comment period and where to find a summary of the comments received and the Service's responses (if applicable).
- **Changes between Proposed and Final Recommended Boundaries:** Describes the changes between the proposed CBRS unit boundaries that were released for public review and the final recommended boundaries depicted on the maps included in this appendix.
- **Final Recommended Changes:** Describes the recommended removals, additions, reclassifications, and/or other modifications to the CBRS unit.
- **Technical Correction Assessment:** Provides information about where to find a technical correction assessment (if applicable). This section only appears for units where the

Service has received a request for an assessment of whether a mapping error exists.

- **Acreage, Shoreline, and Structures Information:** Provides in table format acreage and shoreline mile changes, and the number of structures recommended for addition to, removal from, and reclassification within the CBRS.

For recommended new CBRS units, the unit summaries in this appendix contain the following information:

- **Type of Unit:** Indicates whether the recommended new CBRS unit is a System Unit or an OPA.
- **County:** Provides the counties that the recommended new CBRS unit is located within.
- **Congressional District:** Provides the congressional districts that the recommended new CBRS unit is located within.
- **Final Recommended Map(s):** Provides the map number(s) and date(s) of the final recommended map(s) for the recommended new CBRS unit. All of the final recommended maps produced through the Hurricane Sandy Remapping Project are dated December 18, 2020.
- **Base Map Imagery Source and Date:** Provides the source and date of the underlying aerial imagery used as the base map for the CBRS unit.
- **Public Comments:** Provides information regarding the public comment period and where to find a summary of the comments received and the Service's responses (if applicable).
- **Changes between Proposed and Final Recommended Boundaries:** Describes the changes between the proposed new CBRS unit boundaries that were released for public review and the final recommended boundaries depicted on the maps included in this appendix.
- **Recommended New Unit:** Provides information about the area's current CBRS status (i.e., whether any part of the recommended new unit is already within the CBRS) and a description of the areas recommended for inclusion within the new unit.

- **Acreage, Shoreline, and Structures Information:** Provides in table format acreage and shoreline mile information, and the number of structures recommended for inclusion within the new CBRS unit.

### Technical Correction Assessments

The technical correction assessments that were completed through the Hurricane Sandy Remapping Project for units in New Jersey are included in this appendix. Technical correction assessments were only prepared in cases where an interested party specifically requested an assessment for a particular property or area to determine whether a technical mapping error exists (and/or submitted comments requesting removal of a specific area from the CBRS). For such cases, the Service carefully assessed all of the information provided by the interested party as well as other materials. The technical correction assessments in this appendix include the following information: (1) an overview of the technical correction process and the area in question; (2) the Service's findings as to whether or not the area is appropriate for removal from the CBRS; and (3) the development status and other factors the Service considered when determining whether a mapping error exists for that particular area (i.e., was the area undeveloped at the time it was included within the CBRS and do the CBRS boundary lines on the maps precisely follow the underlying features they were intended to follow on the ground).

### Final Recommended Maps

The maps contained in this appendix are reduced versions of the final recommended maps. Because the maps presented in this report are reduced in size by approximately 70 percent, the legibility of the maps is significantly reduced. The final recommended maps can be accessed and downloaded from the Service's website: <http://www.fws.gov/cbra>. Final recommended boundaries can also be viewed and compared to the existing boundaries in the Service's CBRS Projects Mapper: <https://www.fws.gov/cbra/maps/mapper.html>.



## Hurricane Sandy Remapping Project

Interested parties who are unable to access the recommended boundaries or other information online may contact the Service at [cbra@fws.gov](mailto:cbra@fws.gov) and reasonable accommodations will be made.

Each full-sized final recommended map (25" by 32") is produced at a

scale of 1 to 24,000. The maps are referenced to the North American Datum of 1983 and use the Universal Transverse Mercator projection, zones 18N. The projection and coordinate system as well as the base map source citation are available below the legend on each map.

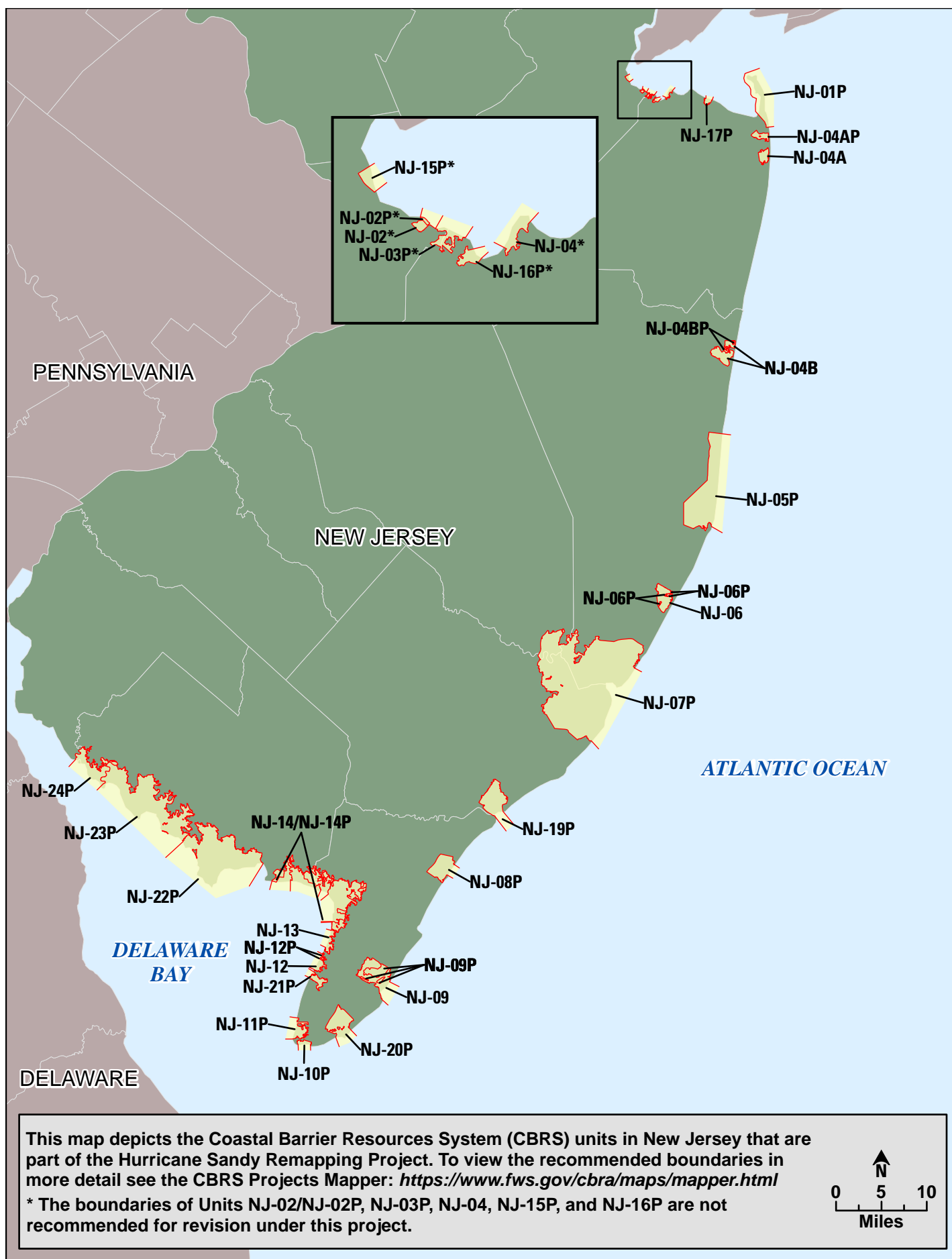
The final recommended boundaries are delineated on the maps as a solid purple line for System Units and a dashed black and purple line for OPAs. Where the solid boundary of a System Unit and the dashed boundary of an OPA are coincident, only the System Unit boundary is shown on the map.

**Table 11. Page Number(s) of Each Unit Summary, Technical Correction Assessment, and Final Recommended Map(s) in Appendix H**

<i>Unit</i>	<i>County</i>	<i>Unit Summary Page Number(s)</i>	<i>Technical Correction Assessment Page Number(s)</i>	<i>Final Recommended Map(s) Page Number(s)</i>
NJ-17P*	Monmouth	H-11	N/A	H-52
NJ-01P	Monmouth	H-12	N/A	H-52
NJ-04A	Monmouth	H-13, H-14	N/A	H-53
NJ-04AP*	Monmouth	H-15	N/A	H-53
NJ-04B	Ocean	H-16, H-17	H-18, H-19	H-54
NJ-04BP	Ocean	H-20	N/A	H-54
NJ-05P	Ocean	H-21	N/A	H-55, H-56
NJ-06	Ocean	H-22, H-23	N/A	H-57
NJ-06P	Ocean	H-24	N/A	H-57
NJ-07P	Ocean, Burlington, Atlantic	H-25, H-26	N/A	H-58, H-59, H-60, H-61
NJ-19P*	Atlantic, Cape May	H-27	N/A	H-62
NJ-08P	Cape May	H-28, H-29	N/A	H-63
NJ-09	Cape May	H-30, H-31	N/A	H-64
NJ-09P	Cape May	H-32, H-33	N/A	H-64
NJ-20P*	Cape May	H-34	N/A	H-65
NJ-10P	Cape May	H-35	N/A	H-65
NJ-11P	Cape May	H- 36, H-37	N/A	H-65
NJ-21P*	Cape May	H-38	N/A	H-66
NJ-12	Cape May	H-39 H-40	N/A	H-66
NJ-12P	Cape May	H- 41	N/A	H-66
NJ-13	Cape May	H-42	N/A	H-66
NJ-14	Cape May, Cumberland	H-43, H-44	N/A	H-66, H-67, H-68
NJ-14P	Cape May, Cumberland	H-45, H-46	N/A	H-66, H-67, H-68
NJ-22P*	Cumberland	H-47, H-48	N/A	H-69, H-70,
NJ-23P*	Cumberland	H49, H-50-	N/A	H-70, H-71, H-72
NJ-24P*	Cumberland, Salem	H-51	N/A	H-72

\*Recommended new unit







# Coastal Barrier Resources System Hurricane Sandy Remapping Project

## *Summary of Final Recommended Changes for New Jersey*

In 2014, the U.S. Fish and Wildlife Service (Service) initiated the Hurricane Sandy Remapping Project to comprehensively modernize the maps for the John H. Chafee Coastal Barrier Resources (CBRS) units in the nine states most affected by Hurricane Sandy: Connecticut, Delaware, Maryland, Massachusetts, New Hampshire, New Jersey, New York (Long Island), Rhode Island, and Virginia. This fact sheet summarizes the final recommended changes to the CBRS units in New Jersey resulting from this project. The revised maps produced through this project will only become effective once they are adopted by Congress through legislation. For additional information on the Coastal Barrier Resources Act and the Hurricane Sandy Remapping Project, please visit: <https://www.fws.gov/project/hurricane-sandy-remapping-project>.

### **Number of Units in Project**

*Total Recommended New Jersey Units: 26*

*System Units: 7*

*Otherwise Protected Areas (OPAs): 19*

The Service has prepared comprehensively revised final recommended maps for 18 of the 24 existing CBRS units in New Jersey. The map for the remaining six New Jersey units (Units NJ-02/NJ-02P, NJ-03P, NJ-04, NJ-15P, and NJ-16P) was comprehensively reviewed and revised by the Service and adopted by Congress in 2016. The Service identified eight recommended new units in New Jersey, which are comprised entirely of areas that are not currently contained within the CBRS. There are 26 total recommended units through this project in New Jersey (not including the 6 that were remapped and adopted by Congress in 2016).

### **Public Review and Comments**

The Service held a 120-day public review and comment period on the proposed boundaries in New Jersey from March 12 through July 10, 2018 (83 FR 10739). The Service received 12 comments affecting all proposed units in New Jersey. For a summary of the comments received and the Service's responses, see [chapter 3](#) and [appendix C](#) of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*.

### **Changes between Proposed and Final Recommended Boundaries**

The aerial imagery initially used to prepare the proposed boundaries for the New Jersey units in this project was dated 2015. When preparing the final recommended boundaries, the Service reviewed the proposed boundaries against the updated imagery and made necessary adjustments to better follow the intended features visible on the updated imagery. The imagery used for the final recommended maps is dated 2019. The Service also made changes to most of the units in response to comments received during the public comment period, two of which are no longer recommended for inclusion within the CBRS. The changes made between the proposed and final recommended boundaries for each New Jersey unit are summarized in [appendix H](#) of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*.



Final Recommended Acreage and Structure Changes

The final recommended maps for the New Jersey units would remove 156 acres from the CBRS (130 acres of fastland and 26 acres of associated aquatic habitat) and add 71,087 acres to the CBRS (2,128 acres of fastland and 69,115 acres of associated aquatic habitat). The final recommended maps for the New Jersey units

would remove 60 acres of privately owned lands not held for conservation/ recreation) from the CBRS and add 408 acres of privately owned lands to the CBRS.

The final recommended boundaries would remove 62 structures (mostly private residential) from the CBRS and add 87 structures (more than half of which are park-related) to the CBRS.

Information about the recommended changes for each of the individual New Jersey units (including acreage and structure changes) is available in [appendix H](#) of the 2022 Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project and at: <https://www.fws.gov/project/hurricane-sandy-remapping-project>.

Final Recommended Acreage and Structure Changes for New Jersey

	Fastland Acres <sup>1</sup>		Associated Aquatic Habitat Acres <sup>2</sup>		Total Acres		Total Structures <sup>3</sup>	
	System Unit	OPAs	System Unit	OPAs	System Unit	OPAs	System Unit	OPAs
Added to the CBRS	236	1,892	6,008	63,107	6,244	64,999	1	86
	Total: 2,128		Total: 69,115		Total: 71,243		Total: 87	
Removed from the CBRS	13	117	11	15	24	132	31	31
	Total: 130		Total: 26		Total: 156		Total: 62	
Net Reclassified <sup>4</sup>	(4)	4	907	(-907)	903	(903)		
Net Change	Total: 1,998		Total: 69,089		Total: 71,087		Total: 25	

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> Reclassified area are areas currently within the CBRS that are recommended for reclassification from System Unit to OPA or vice versa.

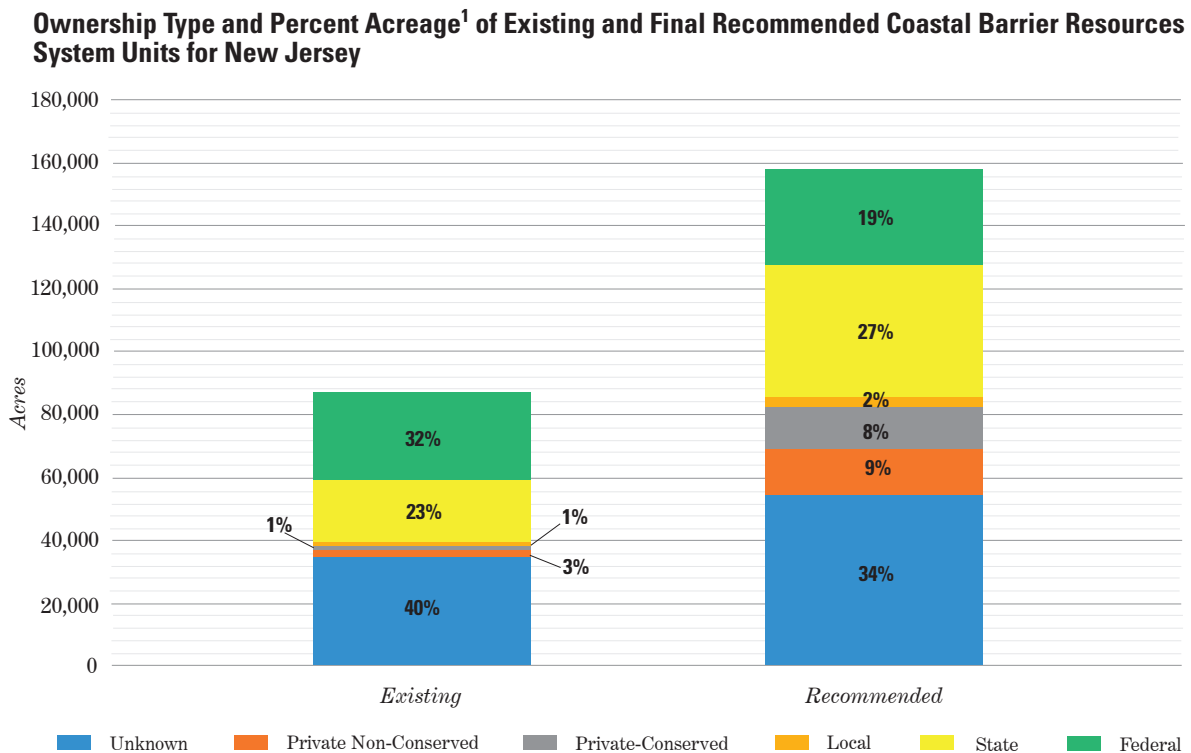
## Hurricane Sandy Remapping Project

### Final Recommended Changes by Land Ownership

The ownership type of the existing and final recommended CBRS units in New Jersey is depicted in the graph below. In conducting this project, the Service relied heavily on publicly

available state and local GIS data, which did not contain ownership information for certain areas (mostly large swaths of wetlands and open water) that are within the project area; and therefore such areas are categorized as “unknown.” “Private conserved” indicates areas that are owned by private individuals

or organizations (e.g., The Nature Conservancy, Audubon Society, etc.) and held specifically for conservation and/or recreation purposes, including privately owned areas that are subject to conservation easements.



<sup>1</sup>Ownership data was acquired from local, state, federal, and non-governmental organizations between 2014 and 2017



## New Jersey Units in Project

<i>County</i>	<i>Congressional District</i>	<i>Unit Number</i>	<i>Unit Name</i>	<i>Unit Status</i>
Monmouth	NJ-6	NJ-01P	Sandy Hook	Existing Unit
Monmouth	NJ-4, NJ-6	NJ-04A	Navesink/Shrewsbury Complex	Existing Unit
Monmouth	NJ-4	NJ-04AP	Navesink/Shrewsbury Complex	New Unit
Ocean	NJ-3	NJ-04B	Metedeconk Neck	Existing Unit
Ocean	NJ-3	NJ-04BP	Metedeconk Neck	Existing Unit
Ocean	NJ-2, NJ-3	NJ-05P	Island Beach	Existing Unit
Ocean	NJ-2	NJ-06	Cedar Bonnet Island	Existing Unit
Ocean	NJ-2	NJ-06P	Cedar Bonnet Island	Existing Unit
Ocean, Burlington, Atlantic	NJ-2, NJ-3	NJ-07P	Brigantine	Existing Unit
Cape May	NJ-2	NJ-08P	Corson's Inlet	Existing Unit
Cape May	NJ-2	NJ-09	Stone Harbor	Existing Unit
Cape May	NJ-2	NJ-09P	Stone Harbor	Existing Unit
Cape May	NJ-2	NJ-10P	Cape May	Existing Unit
Cape May	NJ-2	NJ-11P	Higbee Beach	Existing Unit
Cape May	NJ-2	NJ-12	Del Haven	Existing Unit
Cape May	NJ-2	NJ-12P	Del Haven	Existing Unit
Cape May	NJ-2	NJ-13	Kimbles Beach	Existing Unit
Cape May, Cumberland	NJ-2	NJ-14	Moore's Beach	Existing Unit
Cape May, Cumberland	NJ-2	NJ-14P	Moore's Beach	Existing Unit
Monmouth	NJ-6	NJ-17P	Monmouth Cove	New Unit
Atlantic, Cape May	NJ-2	NJ-19P	Malibu Beach	New Unit
Cape May	NJ-2	NJ-20P	Two Mile Beach	New Unit
Cape May	NJ-2	NJ-21P	Sunray Beach	New Unit
Cumberland	NJ-2	NJ-22P	Egg Island	New Unit
Cumberland	NJ-2	NJ-23P	Dix	New Unit
Cumberland, Salem	NJ-2	NJ-24P	Greenwich	New Unit

**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-17P, Monmouth Cove,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** Recommended new Otherwise Protected Area (OPA)

**County:** Monmouth

**Congressional District:** 6

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-001B](#) dated December 18, 2020

**Base Map Imagery Source aDate:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on

the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the *2022 Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-17P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-17P between proposed and final recommended are described below:

- Minor modifications have been made to the boundary to better fit the updated base map imagery

**Recommended New Unit:** The area recommended for inclusion within new OPA Unit NJ-17P is not currently within the CBRS.

Included within new OPA Unit NJ-17P are the following area(s):

- Monmouth Cove Marina and portions of Bayshore Waterfront Park (both owned by Monmouth County), including about seven associated structures
- One privately owned structure that is an inholding (i.e., private land within the exterior boundaries of a conservation and/or recreation area) within Bayshore Waterfront Park
- Portions of Pews Creek and other associated aquatic habitat (most of which are owned by Middletown Township and Monmouth County)
- Butler Park (owned by Middletown Township)
- Gordon Court Park (owned by Middletown Township)
- Minor portions of wetlands that are both publicly and privately owned

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acres, Shoreline, and Structure Information for Unit NJ-17P, Monmouth Cove, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	0	0	0	0.0	
Added to the CBRS	323	55	268		8
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	323	55	268	0.8	
Net Change	323	55	268	0.8	8

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-01P, Sandy Hook,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Monmouth

**Congressional District:** 6

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-001A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-001B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-01P.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-01P.

**Changes between Proposed and Final Recommended Boundaries:** There are no changes to Unit NJ-01P between proposed and final recommended.

**Final Recommended Changes:** The final recommended changes to Unit NJ-01P are described below.

*Recommended Additions:*

- A portion of the Shrewsbury River

*Other Modifications/Information:*

- Modification of the southern boundary of the unit to follow the existing break-in-development (i.e., where development ends, either immediately adjacent to the last structure in a cluster of structures or at the property parcel boundary of the last structure)

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-01P, Sandy Hook, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	3,881	1,141	2,740	7.6	
Added to the CBRS	93	1	92		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	3,974	1,142	2,832	7.7	
Net Change	93	1	92	0.0	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-04A, Navesink/Shrewsbury Complex, New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** System Unit

**County:** Monmouth

**Congressional District:** 4, 6

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-003A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-003B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-04A.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- *Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-04A.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-04A between proposed and final recommended are described below:

- Minor modifications have been made to the boundary to better fit the updated base map imagery
- A minor modification has been made to the landward boundary of the unit to buffer (i.e., leave space between the boundary and the feature it is intended to follow) along a portion of the shoreline at the Rumson Municipal Boat Launch
- Portions of Navesink River Wildlife Management Area (WMA) (owned by the New Jersey Department of Environmental Protection (NJ DEP)) that were initially proposed for addition to System Unit NJ-04A are now recommended for addition to new Otherwise Protected Area (OPA) Unit NJ-04AP. During the public review period, the Service received a comment from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held

for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as OPA.

- The landward boundary of the southern segment of the unit has been modified to exclude from the recommended addition two lots containing a full complement of infrastructure

**Final Recommended Changes:**

The final recommended changes to Unit NJ-04A are described below.

*Recommended Additions:*

- Picnic Island, the undeveloped portions of Barley Point Island, and associated aquatic habitat
- Associated aquatic habitat in the Navesink and Shrewsbury Rivers

*Other Modifications/Information:*

- Gunning Island, Sedge Island, Starvation Island, Wilson Island, and other small islands and wetlands, held by the Borough of Rumson for conservation and/or recreation purposes, are currently located within Unit NJ-04A. These areas are not recommended for reclassification to an OPA because they were acquired by the Borough after Unit NJ-04A was established.
- The majority of Navesink River WMA is currently located within Unit NJ-04A, but is not recommended for reclassification to an OPA because the area within the existing unit was acquired by the State of New Jersey after Unit NJ-04A was established.

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.



**Acreage, Shoreline, and Structure Information for Unit NJ-04A, Navesink/Shrewsbury Complex, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	1,236	18	1,218	0.0	
Added to the CBRS	434	15	419		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	1,670	33	1,637	0.0	
Net Change	434	15	419	0.0	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

## Hurricane Sandy Remapping Project

### John H. Chafee Coastal Barrier Resources System (CBRS) Unit NJ-04AP, Navesink/Shrewsbury Complex, New Jersey

#### Summary of Final Recommended Changes

**Type of Unit:** Recommended new Otherwise Protected Area (OPA)

**County:** Monmouth

**Congressional District:** 4

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-003B](#) dated December 18, 2020

#### Base Map Imagery Source and

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area

of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-04AP.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-04AP between proposed and final recommended are described below:

- Portions of Navesink River Wildlife Management Area (WMA) (owned by the New Jersey Department of Environmental Protection (NJ DEP)) that were initially proposed for addition to System Unit NJ-04A are now recommended for addition to new OPA Unit NJ-04AP. During the public review period, the Service received a comment

from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as OPA.

**Recommended New Unit:** The area recommended for inclusion within new OPA Unit NJ-04AP is not currently within the CBRS.

Included within new OPA Unit NJ-04AP are the following area(s):

- Portions of Navesink River WMA

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

### Acreage, Shoreline, and Structure Information for Unit NJ-04AP, Navesink/Shrewsbury Complex, New Jersey

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	0	0	0	0.0	
Added to the CBRS	14	0	14		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	14	0	14	0.0	
Net Change	14	0	14	0.0	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-04B, Metedeconk Neck,  
New Jersey**

**Summary of Final Recommended  
Changes**

**Type of Unit:** System Unit

**County:** Ocean

**Congressional District:** 3

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-004A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-004B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-04B.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the

Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-04B.

**Changes between Proposed and Final Recommended Boundaries:**

The changes to Unit NJ-04B between proposed and final recommended are described below:

- The entirety of Otherwise Protected Area (OPA) Unit NJ-04BP, containing Swan Point Natural Area (owned by the New Jersey Department of Environmental Protection (NJ DEP)), was initially proposed for reclassification to System Unit NJ-04B. During the public review period, the Service received a comment from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as OPA.
- The final recommended boundary has been modified to remove from the CBRS the undeveloped portions of the Northern Water Pollution Control Facility parcel. The final recommended boundary in the immediate vicinity of the facility now follows the boundary of Edwin B. Forsythe National Wildlife Refuge.

**Final Recommended Changes:** The final recommended changes to Unit NJ-04B are described below.

*Recommended Removals:*

- Six structures along West Mantoloking Drive
- Three structures along Mantoloking Road
- Thirteen structures along the east side of Preston Street
- Two structures along Drum Point Road and Havens Cove Road

- Two structures along Pilot Drive
- Five structures in the Baywood Subdivision along Delmar Drive, Bonair Drive, and Burlington Drive
- Undeveloped portions of the Northern Water Pollution Control Facility parcel

*Recommended Additions:*

- Associated aquatic habitat located between Metedeconk Neck and the Barnegat Peninsula
- Associated aquatic habitat located southwest of Beaton Road
- Portions of Edwin B. Forsythe National Wildlife Refuge (owned by the Service)

*Other Modifications/Information:*

- Modification of the coincident boundary between System Unit NJ-04B and OPA Unit NJ-04BP in some areas to better align with the boundaries of the Swan Point State Natural Area. This results in some minor reclassifications from OPA to System Unit and vice versa.

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Technical Correction Assessment:** The Service has completed a Technical Correction Assessment to address a request that was received to determine whether a mapping error exists for a specific area within this unit. The assessment can be found on page H-18 in appendix H of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*.

**Acreage, Shoreline, and Structure Information for Unit NJ-04B, Metedeconk Neck, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	1,886	205	1,681	0.0	
Added to the CBRS	464	24	440		0
Removed from the CBRS	18	12	6		31
Reclassified Area <sup>5</sup>	(3)	0	(3)		0
Final Recommended Unit	2,329	217	2,112	0.0	
Net Change	443	12	431	0.0	(31)

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



## **Technical Correction Assessment for Properties on Pilot Drive, Mantoloking Road, and West Mantoloking Drive in CBRS Unit NJ-04B**

### **Overview**

The John H. Chafee Coastal Barrier Resources System (CBRS) is depicted on a set of maps that is maintained by the U.S. Fish and Wildlife Service (Service). Aside from three minor exceptions,<sup>1</sup> only legislation enacted by Congress can modify the CBRS maps. A “technical correction” is a correction to a CBRS map to fix a legitimate mapping error. The Service receives numerous requests from property owners and other interested parties who seek to remove areas from the CBRS based on an alleged technical mapping error. The Service considers a technical mapping error to be a mistake in the delineation of the CBRS boundaries that was made as a result of incorrect, outdated, or incomplete information (often stemming from inaccuracies on the original base maps).

The Service generally does not recommend removal of areas from the CBRS unless there is clear and compelling evidence that a technical mapping error led to their inclusion within the CBRS. In order to determine whether a technical mapping error exists, the Service conducts a comprehensive review of the history of the CBRS unit in question which generally includes an assessment of the Service’s background records for the unit, the controlling and historical CBRS maps of the area, the historical development status of the area, aerial imagery, and any materials submitted by property owners and other interested parties. When the Service determines that a technical correction to a map is warranted, we prepare a new comprehensively modernized map for the area. The updated map becomes effective only if adopted through legislation enacted by Congress.

The Service was first contacted in 2012 by a private property owner who sought to remove a structure on Pilot Drive in Brick Township, New Jersey, from CBRS Unit NJ-04B. Following that first request, the Service received an additional request from a property owner to remove a property on Mantoloking Road from Unit NJ-04B. Additionally, the Service was contacted by the member of Congress for this district on behalf of four different property owners who sought to remove properties in the Mantoloking Heights subdivision on West Mantoloking Drive from the CBRS. All the owners assert that their properties were included within the CBRS in error. The Township of Brick has also expressed an interest in revising the map for Unit NJ-04B.

### **Service Findings**

The Service has carefully assessed all of the information provided by the parties indicated above as well as the materials that are typically reviewed as part of a technical correction assessment. The Service found that the properties in question on Pilot Drive, Mantoloking Road, and West Mantoloking Drive are appropriate for removal from CBRS Unit NJ-04B. The Coastal Barrier Resources Act (CBRA) development criteria and the Service’s findings related to this technical correction assessment are explained in further detail below. Additional areas recommended for removal from this unit are listed in the Summary of Final Recommended Changes for Unit NJ-04B.

### **CBRA Development Criteria and CBRS Boundary Intent**

CBRA requires that the Service consider the following criteria in determining whether a coastal barrier was undeveloped at the time of inclusion within the CBRS: (A) the density of development was less than one structure per five acres of land above mean high tide; and (B) there was existing infrastructure consisting of (i) a road, with a reinforced road bed, to each lot or building site in the area; (ii) a wastewater disposal system sufficient to serve each lot or building site in the area; (iii) electric service for each lot or building site in the area; and (iv) a fresh water supply for each lot or building site in the area.<sup>2</sup> When assessing whether an area may be appropriate for removal, the Service also considers the location of geomorphic, cultural, and development features on the ground at the time the area was included within the CBRS (i.e., whether the CBRS boundary lines on the maps precisely follow the underlying features they were intended to follow on the ground).

### **Pilot Drive**

The Service’s review of the area at the north end of Pilot Drive found that there were two structures (built in 1965 and 1986) on the ground when the area was first included in 1990 within the CBRS. The two structures are appropriate for removal from the CBRS because the CBRS boundary in this area was intended to follow the break in development (i.e., where development ends, either immediately adjacent to the last structure in a cluster of structures or at the property parcel boundary of the last structure). The break in development was not depicted correctly on the 1989 U.S. Geological Survey topographic



## Technical Correction Assessment for Properties on Pilot Drive, Mantoloking Road, and West Mantoloking Drive (continued)

quadrangle that was used as the base map for the October 24, 1990, CBRS map. Because it was determined that the CBRS boundary did not accurately follow the underlying feature it was intended to follow on the ground in this area, a review of density and infrastructure was not needed.

### Mantoloking Road

The Service's review of the area in question along Mantoloking Road found that there were three structures (two built in 1950 and one in 1984) on the ground when the area was first included in 1990 within the CBRS. These structures are appropriate for removal from the CBRS because the CBRS boundary did not accurately follow the break in development it was intended to follow in this area on the underlying 1989 U.S. Geological Survey topographic quadrangle that was used as the base map for the October 24, 1990, CBRS map. Because it was determined that the CBRS boundary did not accurately follow the underlying feature it was intended to follow, a review of density and infrastructure was not needed.

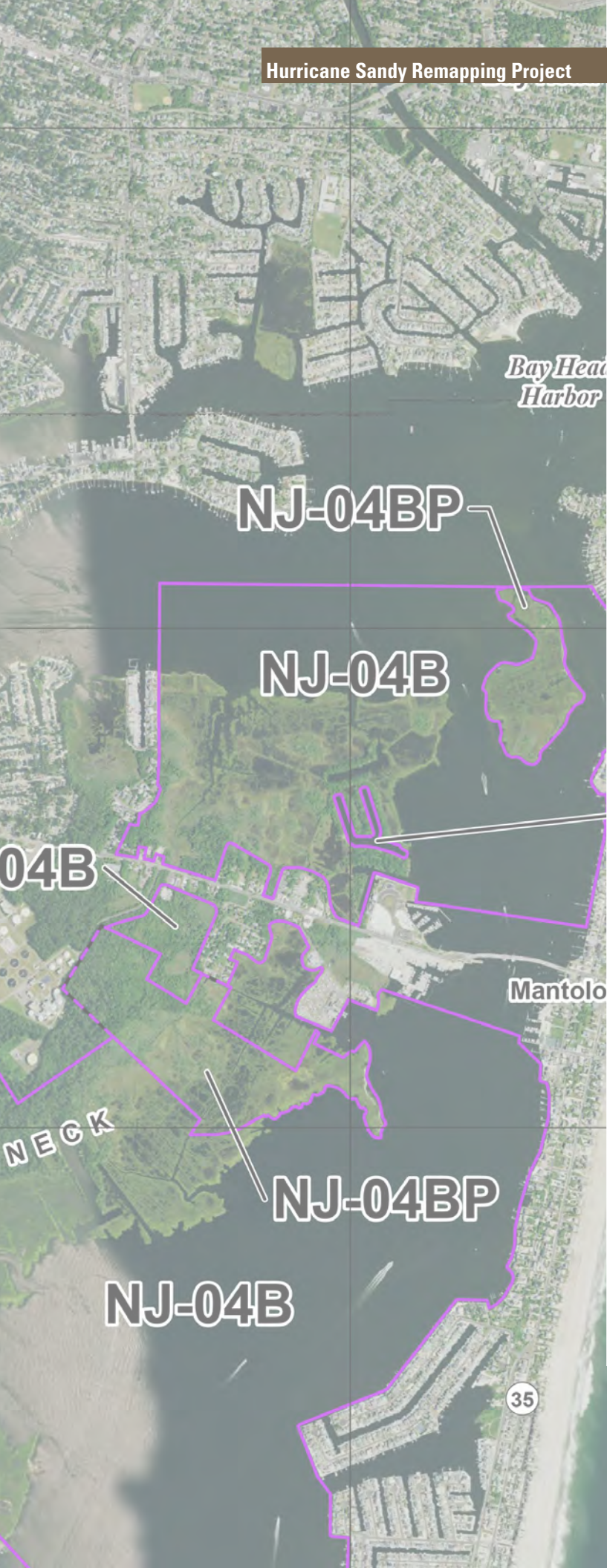
### West Mantoloking Drive

**Density of Development:** The Service's review of the portion of the Mantoloking Heights subdivision on West Mantoloking Drive that is within Unit NJ-04B found that none of the six lots were developed at the time they were included within the CBRS in 1990. Structures exist on all the lots today, and they were built between 1992 and 1997 (well after the inclusion of the area within the CBRS). CBRA's density of development is not a factor for structures built after designation within the CBRS.

**Level of Infrastructure:** The Service's assessment of the lots on West Mantoloking Drive considered the level of infrastructure that was on the ground and available to each lot or building site in 1990. The six lots on West Mantoloking Drive had a full complement of infrastructure available to each lot in 1989 prior to their designation within the CBRS. Therefore, these lots are appropriate for removal from the CBRS.

<sup>1</sup> The administrative authority of the Service to make changes to the CBRS boundaries is limited to changes made as a result of natural forces (such as erosion and accretion), voluntary additions by property owners, and additions of excess property to the CBRS (16 U.S.C. § 3503).

<sup>2</sup> *Coastal Barrier Resources*, U.S. Code 16 (2018), § 3503(g)(1).



**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-04BP, Metedeconk Neck,  
New Jersey**

**Summary of Final Recommended  
Changes**

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Ocean

**Congressional District:** 3

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-004A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-004B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:**

The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-04BP.

**Historical Changes:** The CBRS map for this unit has been modified

by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the *2022 Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-04BP.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-04BP between proposed and final recommended are described below:

- The entirety of OPA Unit NJ-04BP, containing Swan Point Natural Area (owned by the New Jersey Department of Environmental Protection (NJ DEP)), was initially proposed for reclassification to System Unit NJ-04B. During the public review period, the Service received a comment from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as an OPA.

**Final Recommended Changes:** The final recommended changes to Unit NJ-04BP are described below.

*Other Modifications/Information:*

- Modification of the coincident boundary between System Unit NJ-04B and OPA Unit NJ-04BP in some areas to better align with the boundaries of Swan Point State Natural Area. This results in some minor reclassifications from OPA to System Unit and vice versa.

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acres, Shoreline, and Structure Information for Unit NJ-04BP, Metedeconk Neck, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	137	0	137	0.0	
Added to the CBRS	1	0	1		0
Removed from the CBRS	1	0	1		0
Reclassified Area <sup>5</sup>	3	0	3		0
Final Recommended Unit	140	0	140	0.0	
Net Change	3	0	3	0.0	0;

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



## Hurricane Sandy Remapping Project

### John H. Chafee Coastal Barrier Resources System (CBRS) Unit NJ-05P, Island Beach, New Jersey

#### Summary of Final Recommended Changes

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Ocean

**Congressional District:** 2, 3

Existing Maps: The existing CBRS maps depicting this unit are:

- Map [34-005A](#) dated August 1, 2014
- Map [34-006A](#) dated August 1, 2014

**Final Recommended Maps:** The final recommended CBRS maps depicting this unit are:

- Draft map [34-005B](#) dated December 18, 2020
- Draft map [34-006B](#) dated December 18, 2020

**Base Map Imagery Source and Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on

November 16, 1990 (56 FR 26304), originally established Unit NJ-05P.

**Historical Changes:** The CBRS maps for this unit have been modified by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the *2022 Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-05P.

### Changes between Proposed and Final Recommended Boundaries:

The changes to Unit NJ-05P between proposed and final recommended are described below:

- Minor modifications have been made to the boundary of the unit to buffer (i.e., leave space between the boundary and the feature it is intended to follow) portions of the developed shoreline as shown on updated aerial imagery

**Final Recommended Changes:** The final recommended changes to Unit NJ-05P are described below.

#### Recommended Additions:

- Undeveloped fastland and wetlands located on the southern side of Barnegat Inlet
- Barnegat Lighthouse State Park, including several associated structures
- Portions of Edwin B. Forsythe National Wildlife Refuge (owned by the Service)
- Associated aquatic habitat along Barnegat Bay between the coastal barrier and the mainland

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

## Acreage, Shoreline, and Structure Information for Unit NJ-05P, Island Beach, New Jersey

	Total Acres	Fastland Acres <sup>1</sup>	Associated Aquatic Habitat Acres <sup>2</sup>	Shoreline (Miles)	Structures <sup>3</sup>
Existing Unit <sup>4</sup>	9,455	650	8,805	10.2	
Added to the CBRS	4,750	25	4,725		3
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	14,205	675	13,530	10.6	
Net Change	4,750	25	4,725	0.5	3

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier; but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-06, Cedar Bonnet Island,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** System Unit

**County:** Ocean

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-007A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-007B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-06.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-06.

**Changes between Proposed and Final Recommended Boundaries:**

The changes to Unit NJ-06 between proposed and final recommended are described below:

- Portions of Edwin B. Forsythe National Wildlife Refuge (NWR) (owned by the Service) that were initially proposed for reclassification from existing Otherwise Protected Area (OPA) Unit NJ-06P to System Unit NJ-06 are now recommended to remain within OPA Unit NJ-06P
- The boundary of the unit has been modified to apply a consistent buffer (i.e., leave space between the boundary and the feature it is

intended to follow) along portions of the Route 72 Manahawkin Bay Bridges and developed shoreline, which results in minor removals from the unit

**Final Recommended Changes:** The final recommended changes to Unit NJ-06 are described below.

*Recommended Removals:*

- Small portion of the Route 72 Manahawkin Bay Bridge

*Recommended Additions:*

- Two small islands, Flat Island and High Island, in Manahawkin Bay
- Associated aquatic habitat in Manahawkin Bay

*Recommended Reclassifications:*

- From OPA Unit NJ-06P to System Unit NJ-06: An area of privately owned wetlands along Flat Thoroughfare south of Bonnet Island that is not held for conservation and/or recreation

*Other Modifications/Information:*

- A portion of the Edwin B. Forsythe NWR is currently located within System Unit NJ-06, but is not recommended for reclassification to an OPA because the area was not held for conservation and/or recreation at the time Unit NJ-06 was established

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-06, Cedar Bonnet Island, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	514	3	511	0.0	
Added to the CBRS	1,762	1	1,761		0
Removed from the CBRS	5	1	4		0
Reclassified Area <sup>5</sup>	14	0	14		0
Final Recommended Unit	2,285	3	2,282	0.0	
Net Change	1,771	0	1,771	0.0	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-06P, Cedar Bonnet Island,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Ocean

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-007A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-007B](#) dated December 18, 2020

**Base Map Imagery Source and Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2017

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-06P.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-06P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-06P between proposed and final recommended are described below:

- Portions of Edwin B. Forsythe National Wildlife Refuge (NWR) (owned by the Service) that were initially proposed for reclassification from existing OPA Unit NJ-06P to System Unit NJ-06 are now recommended to remain within OPA Unit NJ-06P

**Final Recommended Changes:** The final recommended changes to Unit NJ-06P are described below.

*Recommended Reclassifications:*

- From OPA Unit NJ-06P to System Unit NJ-06: An area of privately owned wetlands along Flat Thorofare south of Bonnet Island that is not held for conservation and/or recreation

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-06P, Cedar Bonnet Island, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	127	0	127	0.0	
Added to the CBRS	0	0	0		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	(14)	0	(14)		0
Final Recommended Unit	113	0	113	0.0	
Net Change	(14)	0	(14)	0.0	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

### John H. Chafee Coastal Barrier Resources System (CBRS) Unit NJ-07P, Brigantine, New Jersey

#### Summary of Final Recommended Changes

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Atlantic, Burlington, Ocean

**Congressional District:** 2, 3

**Existing Maps:** The existing CBRS maps depicting this unit are:

- Map [34-008A](#) dated August 1, 2014
- Map [34-009A](#) dated August 1, 2014
- Map [34-010A](#) dated August 1, 2014
- Map [34-011A](#) dated August 1, 2014

**Final Recommended Maps:** The final recommended CBRS maps depicting this unit are:

- Draft map [34-008B](#) dated December 18, 2020
- Draft map [34-009B](#) dated December 18, 2020
- Draft map [34-010B](#) dated December 18, 2020
- Draft map [34-011B](#) dated December 18, 2020

#### Base Map Imagery Source and

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-07P.

**Historical Changes:** The CBRS maps for this unit have been modified by the following legislative and/or administrative action:

- **Federal Register** notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-07P.

#### Changes between Proposed and Final Recommended Boundaries:

The changes to Unit NJ-07P between proposed and final recommended are described below:

- Minor modifications have been made to the boundary to better fit the updated base map imagery

**Final Recommended Changes:** The final recommended changes to Unit NJ-07P are described below.

#### Recommended Removals:

- Two structures and adjacent fastland along Leeds Point Road
- Two structures along Great Creek Road

#### Recommended Additions:

- Portions of Edwin B. Forsythe National Wildlife Refuge (owned by the Service)
- Portions of Absecon Wildlife Management Area (WMA), North Brigantine Natural Area, Great Bay Boulevard WMA, and Mystic Island Preserve (all owned by the New Jersey Department of Environmental Protection)

- Portions of North Brigantine Beach (owned by the City of Brigantine Beach)
- Mordecai Island (owned by Mordecai Land Trust, a conservation organization), located behind Long Beach Island
- Undeveloped fastland and associated aquatic habitat on the southern end of Long Beach Island that is not held for conservation and/or recreation
- Fastland and associated aquatic habitat along Mullica River, Bass River (including one structure at the end of Amasa Landing Road), Jobs Creek, and Nacote Creek that is not held for conservation and/or recreation
- Undeveloped fastland and associated aquatic habitat along Oyster Creek surrounding Oyster Creek Village that is not held for conservation and/or recreation
- Associated aquatic habitat along Brigantine Channel, Grassy Bay, Little Egg Harbor, Tuckerton Cove, and Big Creek that is not held for conservation and/or recreation
- About three privately owned structures located along an access road near Chestnut Neck Road between the Garden State Parkway and Mullica River

#### Other Modifications/Information:

- Modification of the northern lateral boundary of the unit to better align with the break-in-development (i.e., where development ends, either immediately adjacent to the last structure in a cluster of structures or at the property parcel boundary of the last structure)

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-07P, Brigantine, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	51,-37	982	50,055	9.4	
Added to the CBRS	5,193	254	4,939		4
Removed from the CBRS	37	26	11		4
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	56,193	1,210	54,983	9.8	
Net Change	5,156	228	4,928	0.3	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data .and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



## Hurricane Sandy Remapping Project

### John H. Chafee Coastal Barrier Resources System (CBRS) Unit NJ-19P, Malibu Beach, New Jersey

#### Summary of Final Recommended Changes

**Type of Unit:** Recommended new  
Otherwise Protected Area (OPA)

**County:** Atlantic, Cape May

**Congressional District:** 2

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-018A](#)  
dated December 18, 2020

#### Base Map Imagery Source and

**Date:** United States Department of  
Agriculture, National Agriculture  
Imagery Program, 2019

**Public Comments:** The U.S. Fish  
and Wildlife Service (Service) held  
a 120-day public comment period on  
the proposed boundaries for this area  
of the Hurricane Sandy Remapping  
Project from March 12 through

July 10, 2018 (83 FR 10739). For a  
summary of the comments received  
and the Service's responses, see  
chapter 3 and appendix C of the 2022  
*Report to Congress: John H. Chafee  
Coastal Barrier Resources System  
Hurricane Sandy Remapping Project*.  
All of the comments received during  
the comment period are reprinted in  
appendix L.

The Service received comments  
specific to Unit NJ-19P.

**Changes between Proposed and Final  
Recommended Boundaries:** There are  
no changes to Unit NJ-19P between  
proposed and final recommended.

**Recommended New Unit:** The area  
recommended for inclusion within new  
OPA Unit NJ-19P is not currently  
within the CBRS.

Included within new OPA Unit NJ-19P  
are the following area(s):

- Malibu Beach Wildlife Management  
Area (WMA), Risley Channel Pre-  
serve, and portions of Pork Island  
WMA (all owned by the New Jersey  
Department of Environmental  
Protection)

- Portions of wetlands held for  
conservation and/or recreation  
(owned by the City of Linwood) in  
the vicinity of Scull Bay
- Meadow View Marsh (owned by the  
New Jersey Audubon Society)
- J. Edward Klingener Fishing Pier  
(owned by Atlantic County)
- Portions of North Point Beach, a  
public beach owned by the City of  
Ocean City
- Undeveloped associated aquatic  
habitat not held for conservation  
and/or recreation, located along  
Scull Bay and Steelman Bay

For information about the Service's  
methodology for assessing CBRS  
boundary modifications through the  
Hurricane Sandy Remapping Project,  
visit <https://www.federalregister.gov/d/2018-04889>.

### Acreage, Shoreline, and Structure Information for Unit NJ-19P, Malibu Beach, New Jersey

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	0	0	0	0.0	
Added to the CBRS	4,642	86	4,556		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	4,642	86	4,556	1.1	
Net Change	4,642	86	4,556	1.1	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier; but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-08P, Corson's Inlet,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Cape May

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-012A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-012B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-08P.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- *Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-08P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-08P between proposed and final recommended are described below:

- Portions of the Cape May Coastal Wetlands Wildlife Management Area (WMA) (owned by the New Jersey Department of Environmental Protection (NJ DEP)) there were initially proposed for addition or reclassification to new System Unit NJ-08 are now recommended for inclusion within OPA Unit NJ-08P. During the public review period, the Service received a comment from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as OPA.
- Cape May County Park North (owned by Cape May County) was initially proposed for reclassification to new System Unit NJ-08. The park is now recommended to remain within OPA Unit NJ-08P.
- Areas that are both publicly and privately owned and not held for conservation and/or recreation and

were initially proposed for addition or reclassification to new System Unit NJ-08 are now recommended for inclusion within OPA Unit NJ-08P.

**Final Recommended Changes:** The final recommended changes to Unit NJ-08P are described below.

*Recommended Removals:*

- Nine structures along West Avenue
- Four structures along Central Avenue

*Recommended Additions:*

- Portions of Cape May Wetlands WMA (owned by the NJ DEP)
- Associated aquatic habitat south of Corson's Inlet and north of Corson's Inlet Bridge (Bay Avenue)
- Portions of a conservation and/or recreation area (owned by the City of Ocean City), in the vicinity of Weakfish Creek
- Associated aquatic habitat that is both publicly and privately owned and not held for conservation and/or recreation, located along Strathmere Bay

*Other Modifications/Information:*

- Undeveloped fastland and wetlands that are publicly and privately owned and not held for conservation and/or recreation are currently located within OPA Unit NJ-08P. These areas are not recommended for reclassification to a System Unit.
- The name of this unit is changed from "Corson Inlet" to "Corson's Inlet" to correctly identify the underlying feature

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

## Acreage, Shoreline, and Structure Information for Unit NJ-08P, Corson's Inlet, New Jersey

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	2,136	62	2,074	1.4	
Added to the CBRS	1,288	33	1,255		0
Removed from the CBRS	1	1	0		13
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	3,423	94	3,329	1.4	
Net Change	1,287	32	1,255	0.0	(13)

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-09, Stone Harbor,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** System Unit

**County:** Cape May

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-013A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-013B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-09.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative actions:

- *Federal Register* notice (62 FR 8258) published on February 24, 1997, in accordance with Section 3 of Pub. L. 101-591
- *Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-09.

**Changes between Proposed and Final Recommended Boundaries:**

The changes to Unit NJ-09 between proposed and final recommended are described below:

- The entirety of existing Otherwise Protected Area (OPA) Unit NJ-09P, comprised of portions of Cape May Coastal Wetlands Wildlife Management Area (WMA) (owned by the New Jersey Department of Environmental Protection (NJ DEP)), was initially proposed for reclassification to existing System Unit NJ-09. Portions of the WMA were also proposed for addition to Unit NJ-09. During the public review period, the Service received a comment from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held

for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as OPA Unit NJ-09P.

- A portion of the southern boundary of the unit has been modified to apply a consistent buffer (i.e., space between the boundary and the feature it is intended to follow) along the City of North Wildwood's seawall along Hereford Inlet on updated base map imagery

**Final Recommended Changes:** The final recommended changes to Unit NJ-09 are described below.

*Recommended Additions:*

- Undeveloped fastland and associated aquatic habitat along Genesis Bay, Grassy Sound Channel, and North Wildwood Boulevard
- Undeveloped fastland and associated aquatic habitat (owned by the Borough of Stone Harbor) along Great Channel on the southern end of Sedge Island
- Portions of an undeveloped beach area (owned by the City of North Wildwood) along Hereford Inlet

*Recommended Reclassifications:*

- From System Unit NJ-09 to OPA Unit NJ-09P: Portions of Cape May Coastal Wetlands WMA
- From OPA Unit NJ-09P to System Unit NJ-09: Areas of associated aquatic habitat that are privately owned and not held for conservation and/or recreation

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

## Acreage, Shoreline, and Structure Information for Unit NJ-09, Stone Harbor, New Jersey

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	2,794	44	2,750	2.0	
Added to the CBRS	762	76	686		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	43	2	41		0
Final Recommended Unit	3,599	122	3,477	2.3	
Net Change	805	78	727	0.2	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-09P, Stone Harbor,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Cape May

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-013A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-013B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-09P.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- *Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-09P.

**Changes between Proposed and Final Recommended Boundaries:**

The changes to Unit NJ-09P between proposed and final recommended are described below:

- The entirety of existing OPA Unit NJ-09P, comprised of portions of Cape May Coastal Wetlands Wildlife Management Area (WMA) (owned by the New Jersey Department of Environmental Protection

(NJ DEP)), was initially proposed for reclassification to existing System Unit NJ-09. Portions of the WMA were also proposed for addition to Unit NJ-09. During the public review period, the Service received a comment from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as OPA Unit NJ-09P.

**Final Recommended Changes:**

The final recommended changes to Unit NJ-09P are described below.

*Recommended Additions:*

- Portions of Cape May Coastal Wetlands WMA located northwest of the Intracoastal Waterway

*Recommended Reclassifications:*

- From System Unit NJ-09 to OPA Unit NJ-09P: Portions of Cape May Coastal Wetlands WMA
- From OPA Unit NJ-09P to System Unit NJ-09: Areas of associated aquatic habitat that are privately owned and not held for conservation and/or recreation

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

## Acreage, Shoreline, and Structure Information for Unit NJ-09P, Stone Harbor, New Jersey

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	1,124	11	1,113	0.0	
Added to the CBRS	584	2	582		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	(43)	(2)	(41)		0
Final Recommended Unit	1,665	11	1,654	0.0	
Net Change	541	0	541	0.0	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-20P, Two Mile Beach,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** Recommended new Otherwise Protected Area (OPA)

**County:** Cape May

**Congressional District:** 2

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-014B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July

10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-20P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-20P between proposed and final recommended are described below:

- A minor modification has been made to the boundary to better fit the updated base map imagery
- The boundary of the new unit has been modified to exclude from the OPA one utility-related structure owned by the Township of Lower

**Recommended New Unit:** The area recommended for inclusion within new OPA Unit NJ-20P is not currently within the CBRS.

Included within new OPA Unit NJ-20P are the following area(s):

- Portions of United States Coast Guard Training Center Cape May, including about seven associated structures
- Portions of Cape May National Wildlife Refuge (owned by the Service), including several associated structures
- Portions of Cape May Coastal Wetlands Wildlife Management Area (owned by the New Jersey Department of Environmental Protection)
- Undeveloped privately owned areas that are not held for conservation and/or recreation

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-20P, Two Mile Beach, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	0	0	0	0.0	
Added to the CBRS	4,060	408	3,652		11
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	4,060	408	3,652	0.0	
Net Change	4,060	408	3,652	0.0	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

### John H. Chafee Coastal Barrier Resources System (CBRS) Unit NJ-10P, Cape May, New Jersey

#### Summary of Final Recommended Changes

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Cape May

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-014A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-014B](#) dated December 18, 2020

#### Base Map Imagery Source and

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-10P.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-10P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-10P between proposed and final recommended are described below:

- A minor modification has been made to the boundary to better fit the updated base map imagery

**Final Recommended Changes:** The final recommended changes to Unit NJ-10P are described below.

#### Recommended Removals:

- Three condominium buildings along First Avenue

#### Recommended Additions:

- Portions of Cape May Point State Park that are not already within the unit, including about eight associated structures
- Portions of South Cape May Meadows Nature Preserve (owned by The Nature Conservancy) that are not already within the unit, including one associated structure
- Minor portions of undeveloped privately owned areas

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

### Acreage, Shoreline, and Structure Information for Unit NJ-10P, Cape May, New Jersey

	Total Acres	Fastland Acres <sup>1</sup>	Associated Aquatic Habitat Acres <sup>2</sup>	Shoreline (Miles)	Structures <sup>3</sup>
Existing Unit <sup>4</sup>	221	62	159	0.9	
Added to the CBRS	209	61	148		9
Removed from the CBRS	1	1	0		3
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	429	122	307	1.4	
Net Change	208	60	148	0.4	6

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-11P, Higbee Beach,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Cape May

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-014A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-014B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-11P.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- *Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-11P.

**Changes between Proposed and Final Recommended Boundaries:**

The changes to Unit NJ-11P between proposed and final recommended are described below:

- Minor modifications have been made to the boundary to better fit the updated base map imagery

**Final Recommended Changes:**

The final recommended changes to Unit NJ-11P are described below.

*Recommended Removals:*

- Three residential structures, two barns, and a garage located on the mainland south of New England Road
- One residential structure, a garage, a barn, and undeveloped fastland located on the mainland between Pond Creek and Bayshore Road
- Two structures associated with Willow Creek Winery and Farm and undeveloped fastland located on the mainland between Pond Creek and Stevens Street

*Recommended Additions:*

- Portions of Higbee Beach Wildlife Management Area and Cape May Point State Park (owned by the New Jersey Department of Environmental Protection). This includes an inholding (i.e., private land within the exterior boundaries of a conservation and/or recreation area) at Sunset Beach containing: a gift shop, restaurant, mini-golf course, and sportsman's club; and an inholding containing one residential structure near Sunset Boulevard.
- Portions of David Douglass Sr. Memorial Park (owned by the Township of Lower)
- Areas of undeveloped fastland and associated aquatic habitat along the landward boundary of the unit that are privately owned and subject to a New Jersey Farmland Preservation Program easement
- Areas of undeveloped fastland and associated aquatic habitat along the landward and northern boundary of the unit that are not held for conservation and/or recreation, including a portion of the Cape May Canal and other areas adjacent to the Cape May-Lewes Ferry

*Other Modifications/Information:*

- Structures associated with the Cape May-Lewes Ferry are not included within the addition to the existing OPA

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-11P, Higbee Beach, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	885	359	526	1.1	
Added to the CBRS	505	241	264		7
Removed from the CBRS	91	88	3		11
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	1,299	512	787	2.4	
Net Change	414	153	261	1.3	(4)

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier; but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-21P, Sunray Beach,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** Recommended new Otherwise Protected Area (OPA)

**County:** Cape May

**Congressional District:** 2

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-015B](#) dated December 18, 2020

**Base Map Imagery Source and Date:**

United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-21P.

**Changes between Proposed and Final Recommended Boundaries:**

The changes to Unit NJ-21P between proposed and final recommended are described below:

- Minor modifications have been made to the boundary to better fit the updated base map imagery

**Recommended New Unit:** The area recommended for inclusion within new OPA Unit NJ-21P is not currently within the CBRS.

Included within new OPA Unit NJ-21P are the following area(s):

- Portions of Cape May County Park South (owned by Cape May County), including one associated structure
- Portions of Sunray Beach Preserve (owned by The Nature Conservancy)
- Associated aquatic habitat and fastland owned by Lower Township and Middle Township
- Minor portions of areas that are both publicly and privately owned

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-21P, Sunray Beach, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	0	0	0	0.0	
Added to the CBRS	882	35	847		1
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	882	35	847	0.6	
Net Change	882	35	847	0.6	1

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier; but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-12, Del Haven,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** System Unit

**County:** Cape May

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-015A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-015B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-12.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- *Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-12.

**Changes between Proposed and Final Recommended Boundaries:**

The changes to Unit NJ-12 between proposed and final recommended are described below:

- The entirety of existing Otherwise Protected Area (OPA) Unit NJ-12P, comprised of portions of Dennis Creek Wildlife Management Area (WMA) (owned by the New Jersey Department of Environmental Protection (NJ DEP)), was initially proposed for reclassification to existing System Unit NJ-12. Portions of the WMA were also proposed for addition to Unit NJ-12. During the public review period, the Service received a comment

from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as OPA Unit NJ-12P.

**Final Recommended Changes:** The final recommended changes to Unit NJ-12 are described below.

*Recommended Additions:*

- Associated aquatic habitat and undeveloped fastland along the northern, southern, and landward boundaries of the unit
- Portions of Cape May National Wildlife Refuge (owned by the Service)

*Recommended Reclassifications:*

- From System Unit NJ-12 to OPA Unit NJ-12: Portions of Dennis Creek WMA

*Other Modifications/Information:*

- Modification of the lateral boundaries of the unit to follow the existing break in development (i.e., where development ends, either immediately adjacent to the last structure in a cluster of structures or at the property parcel boundary of the last structure)

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

### Acreage, Shoreline, and Structure Information for Unit NJ-12, Del Haven, New Jersey

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	482	18	464	1.8	
Added to the CBRS	220	46	174		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	(5)	(1)	(4)		0
Final Recommended Unit	697	63	634	1.8	
Net Change	215	45	170	0.0	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

## Hurricane Sandy Remapping Project

### John H. Chafee Coastal Barrier Resources System (CBRS) Unit NJ-12P, Del Haven, New Jersey

#### Summary of Final Recommended Changes

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Cape May

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-015A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-015B](#) dated December 18, 2020

**Base Map Imagery Source and Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-12P.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-12P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-12P between proposed and final recommended are described below:

- The entirety of existing OPA Unit NJ-12P, comprised of portions of Dennis Creek Wildlife Manage-

ment Area (WMA) (owned by the New Jersey Department of Environmental Protection (NJ DEP)), was initially proposed for reclassification to existing System Unit NJ-12. Portions of the WMA were also proposed for addition to Unit NJ-12. During the public review period, the Service received a comment from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as OPA Unit NJ-12P.

#### Final Recommended Changes:

The final recommended changes to Unit NJ-12P are described below.

#### Recommended Additions:

- Portions of Dennis Creek WMA, including one structure

#### Recommended Reclassifications:

- From System Unit NJ-12 to OPA Unit NJ-12: Portions of Dennis Creek WMA

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

### Acreage, Shoreline, and Structure Information for Unit NJ-12P, Del Haven, New Jersey

	Total Acres	Fastland Acres <sup>1</sup>	Associated Aquatic Habitat Acres <sup>2</sup>	Shoreline (Miles)	Structures <sup>3</sup>
Existing Unit <sup>4</sup>	22	1	21	0.1	
Added to the CBRS	47	7	40		1
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	5	1	4		0
Final Recommended Unit	74	9	65	0.2	
Net Change	52	8	44	0.0	1

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-13, Kimbles Beach,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** System Unit

**County:** Cape May

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-015A](#) dated August 1, 2014

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-015B](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-13.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-13.

**Changes between Proposed and Final Recommended Boundaries:**

The changes to Unit NJ-13 between proposed and final recommended are described below:

- Minor modifications have been made to the boundary to better fit the updated base map imagery

**Final Recommended Changes:** The final recommended changes to Unit NJ-13 are described below.

*Recommended Additions:*

- Portions of Cape May National Wildlife Refuge (owned by the Service)
- Associated aquatic habitat and undeveloped fastland along the northern, southern and landward boundaries of the unit

*Other Modifications/Information:*

- Modification of the lateral boundaries of the unit to follow the existing break in development (i.e., where development ends, either immediately adjacent to the last structure in a cluster of structures or at the property parcel boundary of the last structure)
- Portions of the Hands Landing Preserve (owned by The Nature Conservancy (TNC)) are currently located within Unit NJ-13. These areas are not recommended for reclassification to an Otherwise Protected Area because they were acquired by TNC after Unit NJ-13 was established.

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-13, Kimbles Beach, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	674	7	667	1.9	
Added to the CBRS	109	6	103		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	783	13	770	2.0	
Net Change	109	6	103	0.1	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-14, Moores Beach,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** System Unit

**County:** Cape May, Cumberland

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-016A](#) dated August 1, 2014

**Final Recommended Maps:** The final recommended CBRS maps depicting this unit are:

- Draft map [34-015B](#) dated December 18, 2020
- Draft map [34-016B](#) dated December 18, 2020
- Draft map [34-017A](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-14.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping

Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-14.

**Changes between Proposed and Final Recommended Boundaries:**

The changes to Unit NJ-14 between proposed and final recommended are described below:

- The entirety of existing Otherwise Protected Area (OPA) Unit NJ-14P, including portions of Dennis Creek and Heislerville Wildlife Management Areas (WMA) (owned by New Jersey Department of Environmental Protection (NJ DEP)), was initially proposed for reclassification to System Unit NJ-14. Portions of the WMAs were also proposed for addition to Unit NJ-14. During the public review period, the Service received a comment from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held for conservation and/or recreation prior to their inclusion within the CBRS are now recommended for classification as OPA Unit NJ-14P.

**Final Recommended Changes:** The final recommended changes to Unit NJ-14 are described below.

*Recommended Additions:*

- Portions of Cape May National Wildlife Refuge (owned by the Service) located south of Bidwell Creek
- Undeveloped fastland and associated aquatic habitat in the vicinity of Reeds Beach
- Undeveloped fastland and associated aquatic habitat along Riggins Ditch
- Undeveloped fastland and associated aquatic habitat west of Stipson Island Road
- Associated aquatic habitat along Sluice Creek and Dennis Creek

- Associated aquatic habitat along East Creek and Willis Run
- One structure located along North Delsea Drive south of Dennis Creek

*Recommended Reclassifications:*

- From OPA Unit NJ-14P to System Unit NJ-14: Areas of privately owned fastland and associated aquatic habitat that are not held for conservation and/or recreation. This reclassification includes one privately owned structure located on wetlands to the north of Bidwell Creek and one privately owned residential structure and a shed located on the west side of Stipsons Island Road.
- From System Unit NJ-14 to OPA Unit NJ-14P: Portions of Dennis Creek and Heislerville WMAs

*Other Modifications/Information:*

- Portions of Eldora Nature Preserve (owned by The Nature Conservancy) are currently located within Unit NJ-14. These areas are not recommended for reclassification to an OPA because they were acquired for conservation and/or recreation purposes after Unit NJ-14 was established.
- Portions of Dennis Creek WMA and Heislerville WMA (owned by the NJ DEP) in the vicinity of Stipson Island are currently located within System Unit NJ-14. These areas are not recommended for reclassification to an OPA because they were acquired by the State after the area was first included in 1990 within the CBRS.
- Areas that are privately owned and subject to conservation easements held by the NJ DEP, located in Dennis Township along East Creek, are currently located within System Unit NJ-14. These areas are not recommended for reclassification to an OPA because the easements were placed on the property after the areas were first included in 1990 within the CBRS.

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-14, Moores Beach, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	2,406	50	2,356	1.0	
Added to the CBRS	2,493	68	2,425		1
Removed from the CBRS	1	0	1		0
Reclassified Area <sup>5</sup>	854	(5)	859		3
Final Recommended Unit	5,752	113	5,639	2.8	
Net Change	3,346	63	3,283	1.8	4

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

### John H. Chafee Coastal Barrier Resources System (CBRS) Unit NJ-14P, Moores Beach, New Jersey

#### Summary of Final Recommended Changes

**Type of Unit:** Otherwise Protected Area (OPA)

**County:** Cape May, Cumberland

**Congressional District:** 2

**Existing Map:** The existing CBRS map depicting this unit is:

- Map [34-016A](#) dated August 1, 2014

**Final Recommended Maps:** The final recommended CBRS maps depicting this unit are:

- Draft map [34-015B](#) dated December 18, 2020
- Draft map [34-016B](#) dated December 18, 2020
- Draft map [34-017A](#) dated December 18, 2020

#### Base Map Imagery Source and

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Establishment of Unit:** The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit NJ-14P.

**Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

- *Federal Register* notice (80 FR 25314) published on May 4, 2015, in accordance with Section 3 of Pub. L. 101-591

For additional information on historical legislative and administrative actions that have affected the CBRS, see: <https://www.fws.gov/cbra/historical-changes-coastal-barrier-resources-system>.

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-14P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-14P between proposed and final recommended are described below:

- The entirety of existing OPA Unit NJ-14P, including portions of Dennis Creek and Heislerville Wildlife Management Areas (WMA) (owned by New Jersey Department of Environmental Protection (NJ DEP)), was initially proposed for reclassification to System Unit NJ-14. Portions of the WMAs were also proposed for addition to Unit NJ-14. During the public review period, the Service received a comment from the NJ DEP requesting that certain areas be classified as an OPA rather than System Unit. Therefore, areas that were held for conservation and/or recreation prior to their inclusion within the

CBRS are now recommended for classification as OPA Unit NJ-14P.

**Final Recommended Changes:** The final recommended changes to Unit NJ-14P are described below.

#### *Recommended Additions:*

- Portions of Dennis Creek and Heislerville WMAs
- Undeveloped fastland and associated aquatic habitat, some of which is not held for conservation and/or recreation, at Moores Beach and along Moores Beach Road

#### *Recommended Reclassifications:*

- From OPA Unit NJ-14P to System Unit NJ-14: Areas of privately owned fastland and associated aquatic habitat that are not held for conservation and/or recreation. This reclassification includes one privately owned structure located on wetlands to the north of Bidwell Creek and one privately owned residential structure and a shed located on the west side of Stipsons Island Road.
- From System Unit NJ-14 to OPA Unit NJ-14P: Portions of Dennis Creek and Heislerville WMAs

#### *Other Modifications/Information:*

- Modification of the boundary of the unit in some areas to better align with the boundary of Dennis Creek WMA, which results in some small additions and removals

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.



**Acreage, Shoreline, and Structure Information for Unit NJ-14P, Moores Beach, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	7,722	21	7,701	6.9	
Added to the CBRS	2,479	59	2,420		0
Removed from the CBRS	1	1	0		0
Reclassified Area <sup>5</sup>	(854)	5	(859)		(3)
Final Recommended Unit	9,346	84	9,262	7.8	
Net Change	1,624	63	1,561	0.9	(3)

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

**John H. Chafee Coastal Barrier Resources System (CBRS)  
Unit NJ-22P, Egg Island,  
New Jersey**

**Summary of Final Recommended Changes**

**Type of Unit:** Recommended new Otherwise Protected Area (OPA)

**County:** Cumberland

**Congressional District:** 2

**Final Recommended Maps:** The final recommended CBRS maps depicting this unit are:

- Draft map [34-019A](#) dated December 18, 2020
- Draft map [34-020A](#) dated December 18, 2020

**Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of

the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-22P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-22P between proposed and final recommended are described below:

- Minor modifications have been made to the boundary to better fit the updated base map imagery

**Recommended New Unit:** The area recommended for inclusion within new OPA Unit NJ-22P is not currently within the CBRS.

Included within new OPA Unit NJ-22P are the following area(s):

- Portions of Egg Island Wildlife Management Area (WMA) and Fortescue WMA (both owned by the New Jersey Department of Environmental Protection (NJ DEP))
- Portions of Glades Wildlife Refuge and Bear Swamp (owned by Natural Lands Trust, a conservation organization)
- A large portion of the Commercial Township Estuarine Enhancement Program Site (owned by the Public Service Enterprise Group with an easement held by the NJ DEP)
- Undeveloped fastland and associated aquatic habitat that are privately owned and not held for

conservation and/or recreation, located north and east of Fortescue and between Dividing Creek and the Maurice River

- Undeveloped fastland and associated aquatic habitat that are privately owned and not held for conservation and/or recreation, located in the vicinity of Turkey Point Corner and Hollywood Road
- Undeveloped fastland and associated aquatic habitat that are privately owned and not held for conservation and/or recreation, located between Ogdens Creek and Dividing Creek
- About seven privately owned structures along Jersey Avenue at Raybins Beach
- About four privately owned commercial structures that are an inholding (i.e., private land within the exterior boundaries of a conservation and/or recreation area) within the Glades Wildlife Refuge. These structures are associated with Beaver Dam Boat Rentals.
- One privately owned structure located along Fortescue Road just north of Fortescue

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

**Acreage, Shoreline, and Structure Information for Unit NJ-22P, Egg Island, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	0	0	0	0.0	
Added to the CBRS	17,452	188	17,264		12
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	17,452	188	17,264	15.1	
Net Change	17,452	188	17,264	15.1	12

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

### **John H. Chafee Coastal Barrier Resources System (CBRS) Unit NJ-23P, Dix, New Jersey**

#### **Summary of Final Recommended Changes**

**Type of Unit:** Recommended new Otherwise Protected Area (OPA)

**County:** Cumberland

**Congressional District:** 2

**Final Recommended Maps:** The final recommended CBRS maps depicting this unit are:

- Draft map [34-020A](#) dated December 18, 2020
- Draft map [34-021A](#) dated December 18, 2020
- Draft map [34-022A](#) dated December 18, 2020

#### **Base Map Imagery Source and**

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the 2022 *Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of

the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-23P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-23P between proposed and final recommended are described below:

- The boundary has been modified in the vicinity of Money Island to include within the unit additional portions of the Nantuxent Wildlife Management Area (owned by the NJ DEP) and areas of associated aquatic habitat that are privately owned and not held for conservation and/or recreation, located along the Nantuxent River
- Minor modifications have been made to the boundary to better fit the updated base map imagery

**Recommended New Unit:** The area recommended for inclusion within new OPA Unit NJ-23P is not currently within the CBRS.

Included within new OPA Unit NJ-23P are the following area(s):

- Portions of Dix Wildlife Management Area (WMA), Nantuxent WMA, New Sweden WMA, and Fortescue WMA (owned by the New Jersey Department of Environmental Protection (NJ DEP))
- Delaware Bay Shore Preserve (owned by Wildlife Preserves, Inc., a conservation organization) located along Back Creek

- Seabreeze Preserve and portions of Gandy's Beach Preserve (owned by The Nature Conservancy)
- Undeveloped fastland and associated aquatic habitat that are privately owned and not held for conservation and/or recreation, located along Back Creek, Bay Point, Cohansey Cove, Cohansey River, Dyer Creek, and Sow and Pigs Creek
- About nine structures associated with Dix WMA along Beach Avenue and Sea Breeze Road and about six structures associated with New Sweden WMA at Bay Point. These structures were acquired by the NJ DEP through the Blue Acres Program, which purchases improved residential lots in flood prone areas in cooperation with the Federal Emergency Management Agency. These structures are planned for demolition.
- About seven privately owned structures along Beach Avenue and three privately owned structures along Seabreeze Road
- About four privately owned structures along Dyers Creek Road
- One privately owned structure located along West Bay Point Road

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.



**Acreage, Shoreline, and Structure Information for Unit NJ-23P, Dix, New Jersey**

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	0	0	0	0.0	
Added to the CBRS	18,760	370	18,390		30
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	18,760	370	18,390	14.1	
Net Change	18,760	370	18,390	14.1	30

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier, but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a “structure” (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

## Hurricane Sandy Remapping Project

### John H. Chafee Coastal Barrier Resources System (CBRS) Unit NJ-24P, Greenwich, New Jersey

#### Summary of Final Recommended Changes

**Type of Unit:** Recommended new Otherwise Protected Area (OPA)

**County:** Cumberland, Salem

**Congressional District:** 2

**Final Recommended Map:** The final recommended CBRS map depicting this unit is:

- Draft map [34-022A](#) dated December 18, 2020

#### Base Map Imagery Source and

**Date:** United States Department of Agriculture, National Agriculture Imagery Program, 2019

**Public Comments:** The U.S. Fish and Wildlife Service (Service) held a 120-day public comment period on

the proposed boundaries for this area of the Hurricane Sandy Remapping Project from March 12 through July 10, 2018 (83 FR 10739). For a summary of the comments received and the Service's responses, see chapter 3 and appendix C of the *2022 Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project*. All of the comments received during the comment period are reprinted in appendix L.

The Service received comments specific to Unit NJ-24P.

**Changes between Proposed and Final Recommended Boundaries:** The changes to Unit NJ-24P between proposed and final recommended are described below:

- A minor modification has been made to the boundary to better fit the updated base map imagery

**Recommended New Unit:** The area recommended for inclusion within new OPA Unit NJ-24P is not currently within the CBRS.

Included within new OPA Unit NJ-24P are the following area(s):

- A large portion of the Bayside Tract Preservation Site (owned by the Public Service Enterprise Group, with a conservation easement held by the New Jersey Department of Environmental Protection (NJ DEP))
- Portions of Cohansey River Wildlife Management Area (WMA) and Mad Horse Creek WMA (owned by the NJ DEP)
- Undeveloped fastland and associated aquatic habitat not held for conservation and/or recreation, located along Stow Creek and Cohansey River

For information about the Service's methodology for assessing CBRS boundary modifications through the Hurricane Sandy Remapping Project, visit <https://www.federalregister.gov/d/2018-04889>.

### Acreage, Shoreline, and Structure Information for Unit NJ-24P, Greenwich, New Jersey

	<i>Total Acres</i>	<i>Fastland Acres<sup>1</sup></i>	<i>Associated Aquatic Habitat Acres<sup>2</sup></i>	<i>Shoreline (Miles)</i>	<i>Structures<sup>3</sup></i>
Existing Unit <sup>4</sup>	0	0	0	0.0	
Added to the CBRS	3,717	67	3,650		0
Removed from the CBRS	0	0	0		0
Reclassified Area <sup>5</sup>	0	0	0		0
Final Recommended Unit	3,717	67	3,650	5.0	
Net Change	3,717	67	3,650	5.0	0

<sup>1</sup> Land above mean high tide.

<sup>2</sup> Associated aquatic habitat includes wetlands, marshes, estuaries, inlets, and open water landward of the coastal barrier; but does not include open water seaward of the shoreline. This information is derived National Wetlands Inventory data and other data sources as necessary.

<sup>3</sup> Approximate structure count derived from base map imagery. Gas and liquid storage tanks, structures without walls and a roof (e.g., picnic shelters), structures with fewer than 200 square feet, structures that are not affixed to a permanent site (e.g., recreational vehicles), and structures that are not located principally above ground are not included in this structure count because they do not meet the statutory definition of a "structure" (16 U.S.C. 3503(g)(2)).

<sup>4</sup> The methodology used to calculate acreage was improved between the proposed and final recommended phases for the first batch of states (DE, MA, NH, and NJ) included in this project. The existing acreage reported for some units has been updated using this new methodology.

<sup>5</sup> Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

Final Recommended



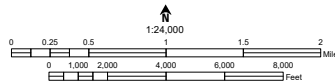
This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-226).

The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of CBRS units is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

For additional information about the Coastal Barrier Resources Act or CBRS, please visit [www.fws.gov/cbra](http://www.fws.gov/cbra).

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

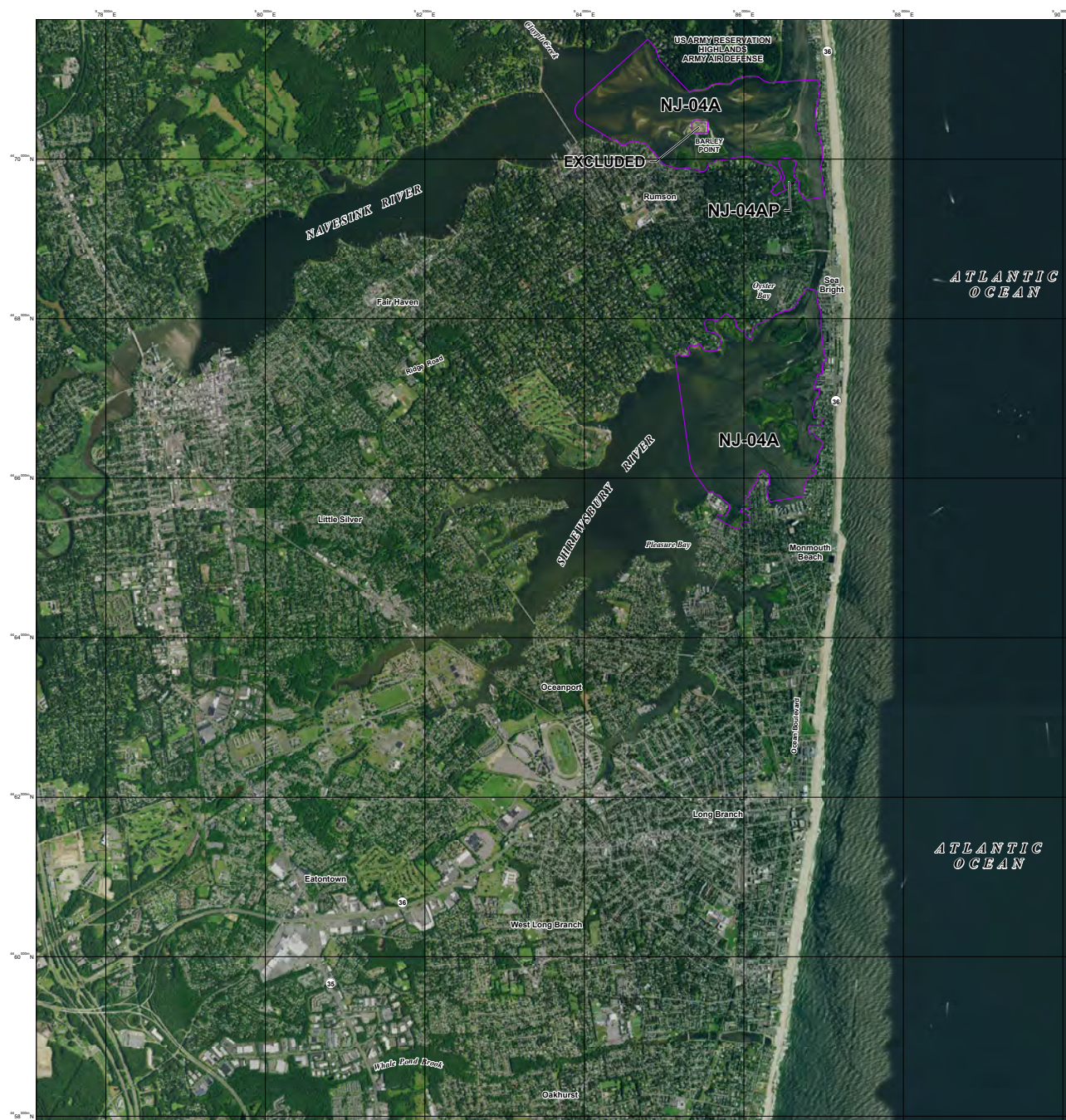
Sandy Hook Unit NJ-01P  
Monmouth Cove Unit NJ-17P



Final Recommended System Unit Boundary  
Final Recommended Otherwise Protected Area (OPA) Boundary. OPAs are identified on the map by the letter "P" following the unit number  
Approximate State Boundary  
2000-meter Universal Transverse Mercator grid values  
Imagery Date(s): 2019  
Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program  
Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North  
Draft Map: 34-001B Map Date: December 18, 2020



## Final Recommended



## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

## Navesink/Shrewsbury Complex NJ-04A/NJ-04AP

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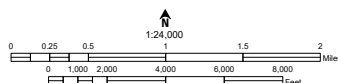
The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of CBRS units is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

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- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values

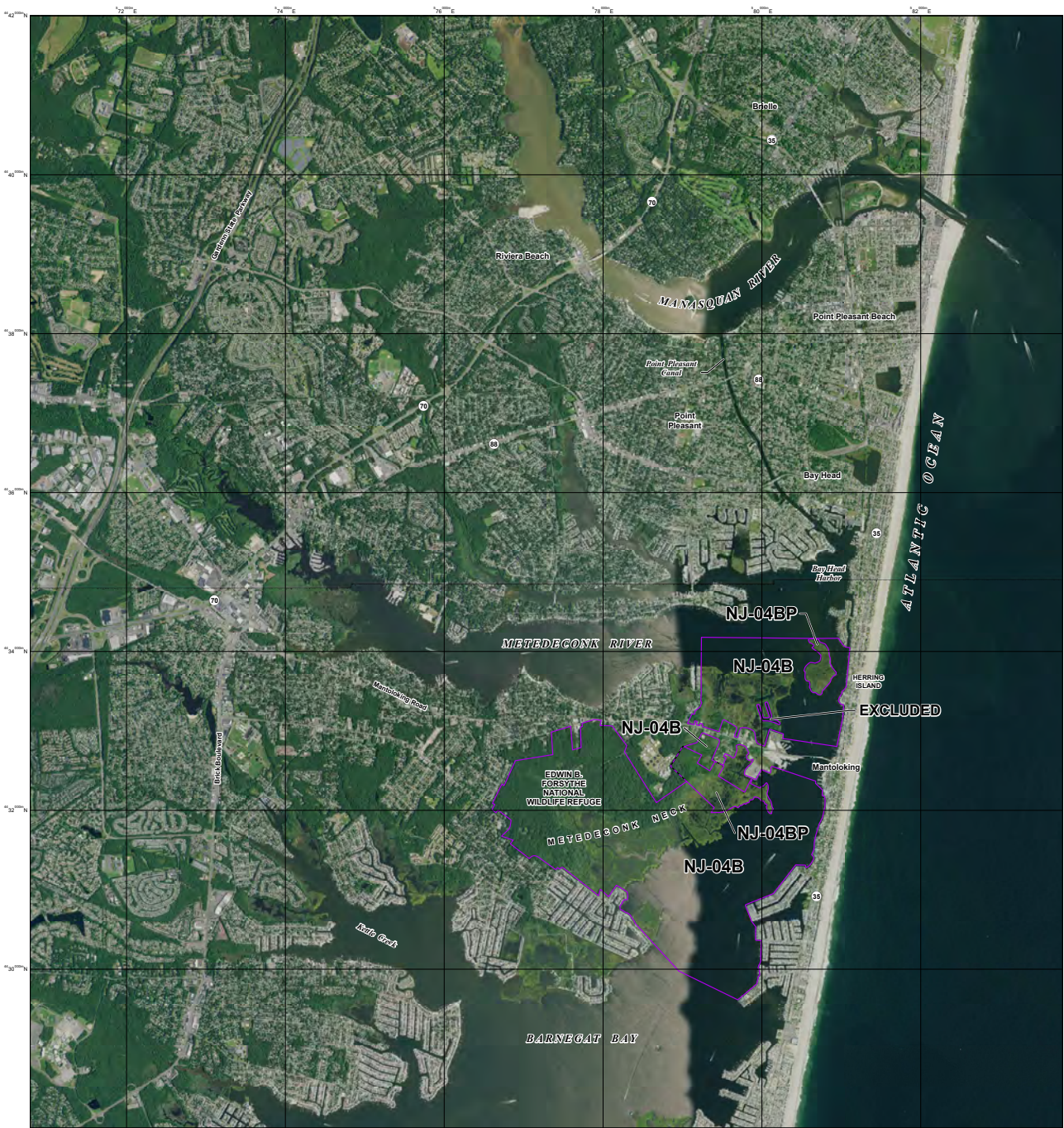
Imagery Date(s): 2019  
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 Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North

Draft Map: 34-003B Map Date: December 18, 2020





Final Recommended

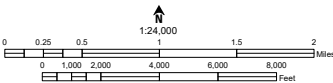


JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM  
Metedeconk Neck Unit NJ-04B/NJ-04BP

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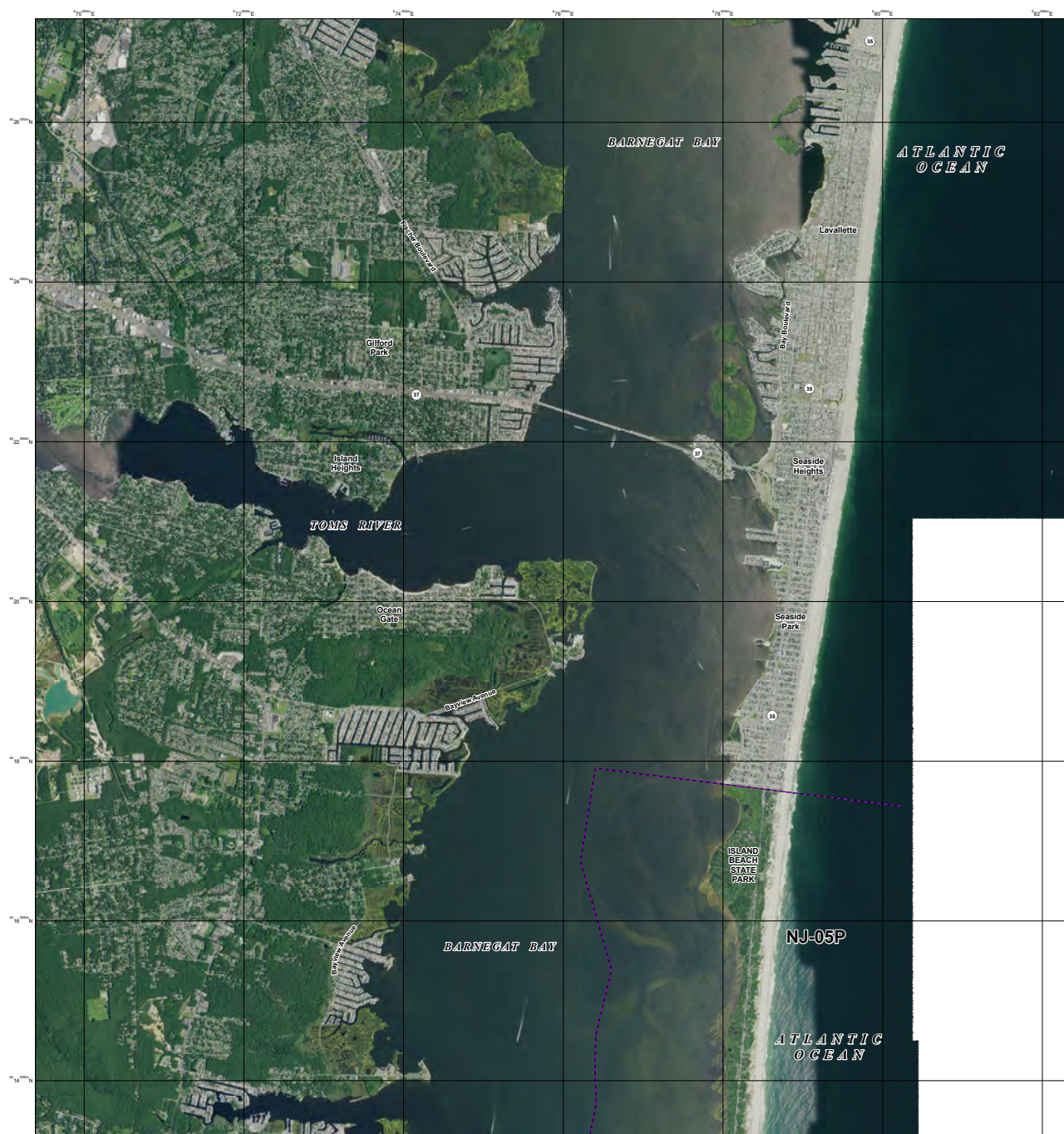
- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary. OPAs are identified on the map by the letter "P" following the unit number
- Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2019  
Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program  
Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North

Draft Map: 34-004B Map Date: December 18, 2020



## Final Recommended



## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

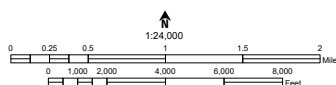
## Island Beach Unit NJ-05P (1 of 2)

This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-226).

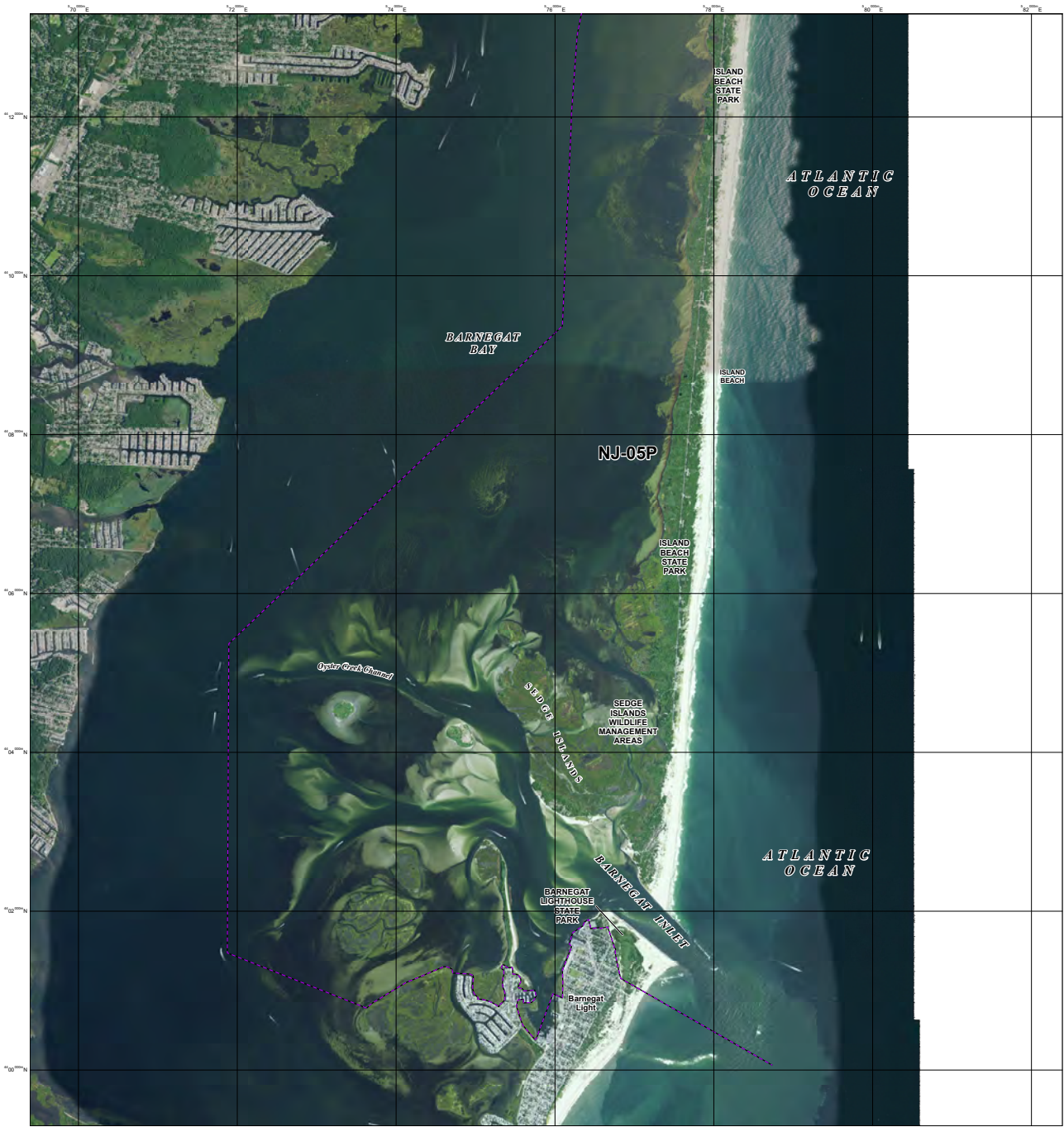
The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of CBRS units is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

For additional information about the Coastal Barrier Resources Act or CBRS, please visit [www.fws.gov/cbrs](http://www.fws.gov/cbrs).

Final Recommended System Unit Boundary  
 Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number  
 - - - - - Approximate State Boundary  
 26°54'00"N 2000-meter Universal Transverse Mercator grid values  
 Imagery Date(s): 2019  
 Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program  
 Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North  
 Draft Map: 34-005B Map Date: December 18, 2020



Final Recommended



JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Island Beach Unit NJ-05P (2 of 2)

This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-226).

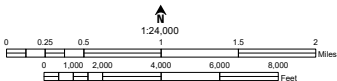
The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of CBRS units is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

For additional information about the Coastal Barrier Resources Act or CBRS, please visit [www.fws.gov/cbra](http://www.fws.gov/cbra).

- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values

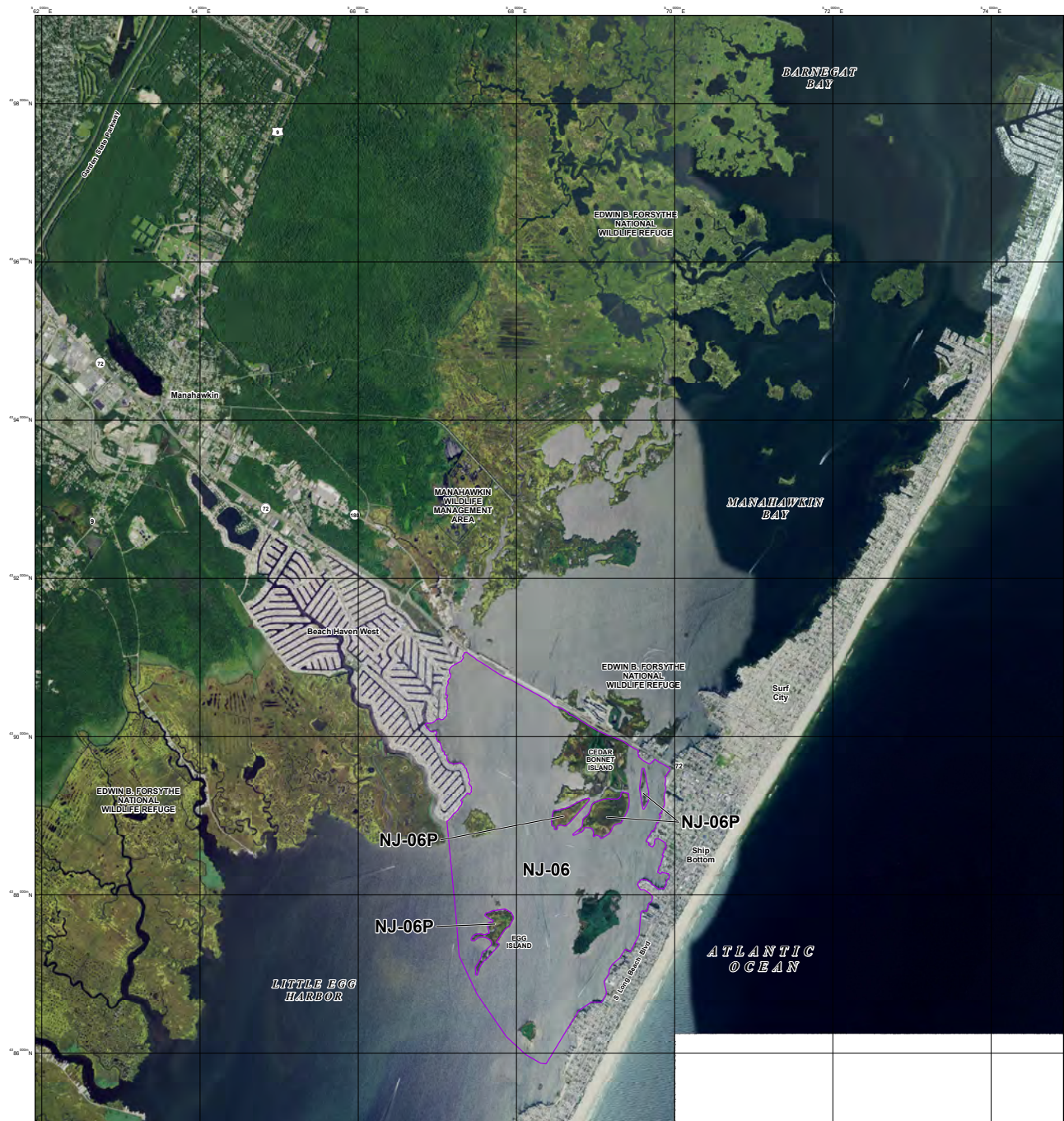
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Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program  
Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North

Draft Map: 34-006B Map Date: December 18, 2020





## Final Recommended



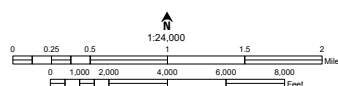
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The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of CBRS units is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

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## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

## Cedar Bonnet Island Unit NJ-06/NJ-06P



- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- Approximate State Boundary
- 25°54'00"N 2000-meter Universal Transverse Mercator grid values
- Imagery Date(s): 2019
- Imagery Source(s): United States Department of Agriculture  
National Agricultural Imagery Program
- Coordinate System: North American Datum 1983  
Universal Transverse Mercator Zone 18 North
- Draft Map: 34-007B Map Date: December 18, 2020



Final Recommended



JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Brigantine Unit NJ-07P (1 of 4)

This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-226).

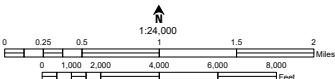
The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of CBRS units is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

For additional information about the Coastal Barrier Resources Act or CBRS, please visit [www.fws.gov/cbra](http://www.fws.gov/cbra).

- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2019  
Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program  
Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North

Draft Map: 34-008B Map Date: December 18, 2020





## Final Recommended



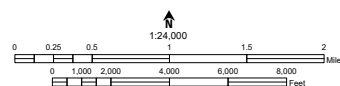
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## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

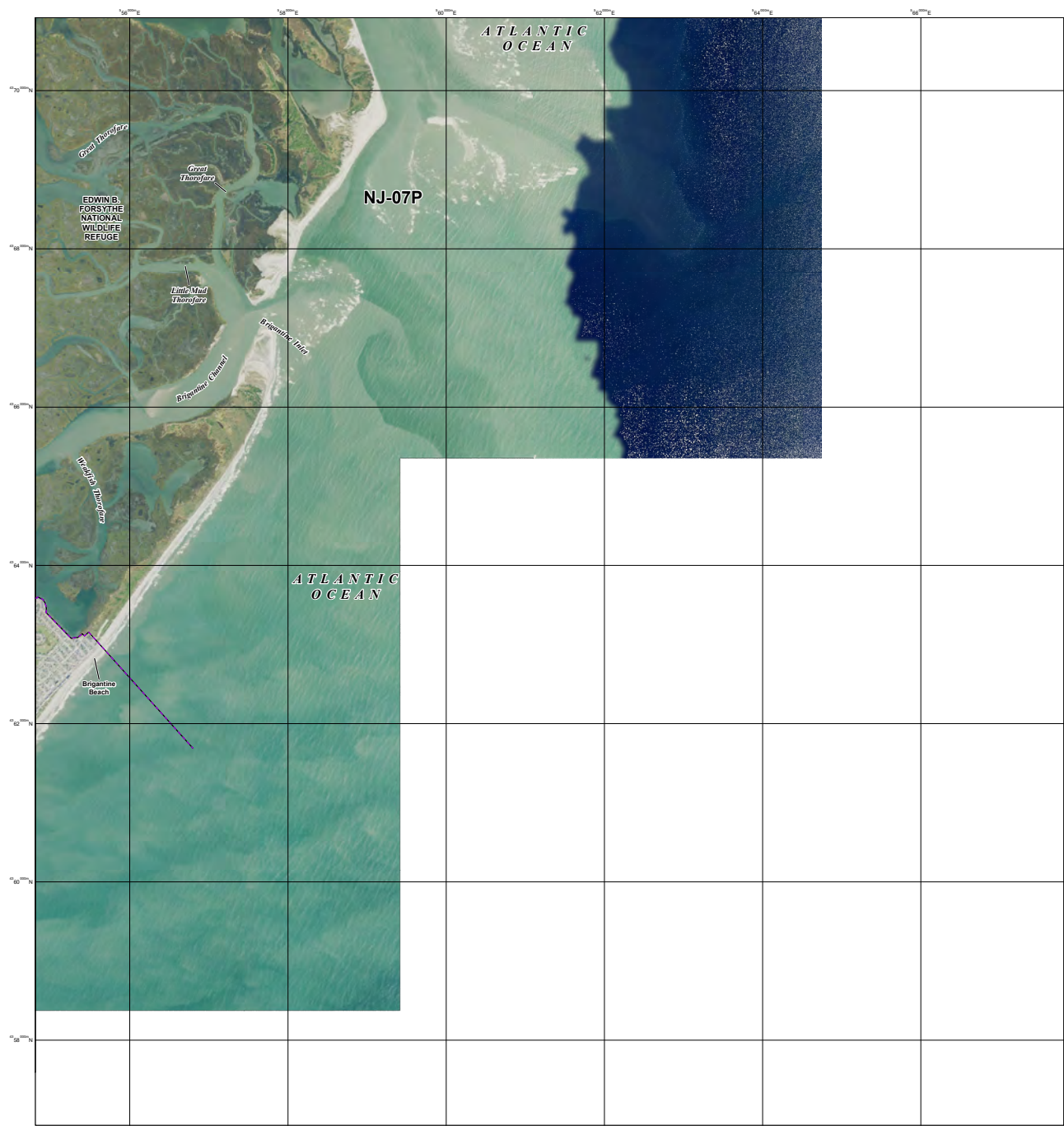
## Brigantine Unit NJ-07P (2 of 4)



- Final Recommended System Unit Boundary
- - - Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- - - Approximate State Boundary
- 254000N 2000-meter Universal Transverse Mercator grid values
- Imagery Date(s): 2019
- Imagery Source(s): United States Department of Agriculture  
National Agricultural Imagery Program
- Coordinate System: North American Datum 1983  
Universal Transverse Mercator Zone 18 North
- Draft Map: 34-009B Map Date: December 18, 2020



Final Recommended



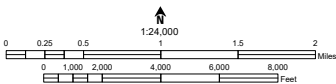
This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-220).

The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of CBRS units is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

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JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Brigantine Unit NJ-07P (3 of 4)



- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values
- Imagery Date(s): 2019
- Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program
- Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North
- Draft Map: 34-010B Map Date: December 18, 2020



## Final Recommended



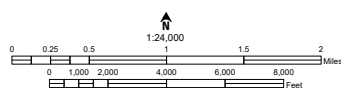
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For additional information about the Coastal Barrier Resources Act or CBRS, please visit [www.fws.gov/cbrr](http://www.fws.gov/cbrr).

## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

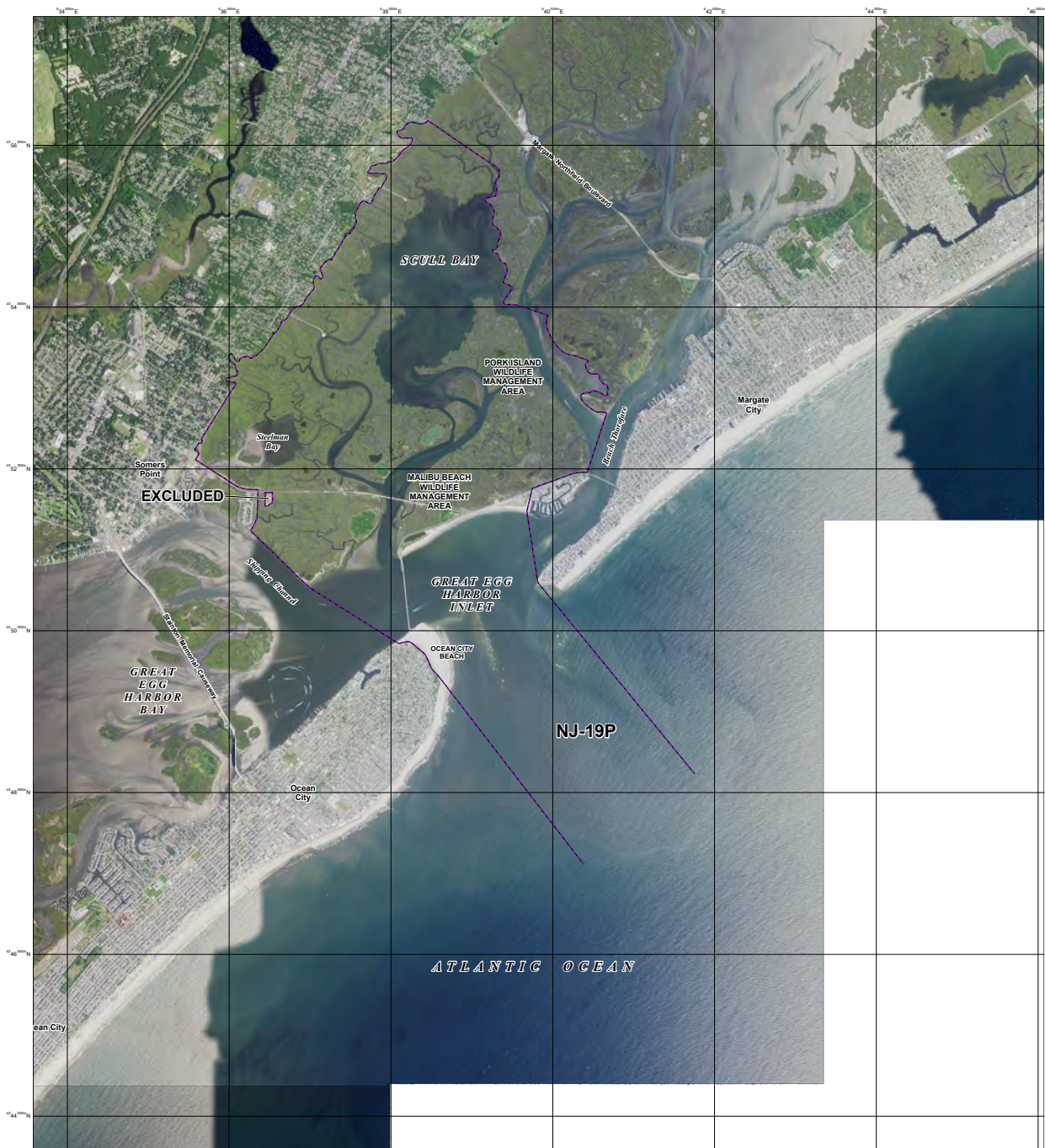
## Brigantine Unit NJ-07P (4 of 4)



- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- Approximate State Boundary
- 2000-meter 2000-meter Universal Transverse Mercator grid values
- Imagery Date(s): 2019
- Imagery Source(s): United States Department of Agriculture  
National Agricultural Imagery Program
- Coordinate System: North American Datum 1983  
Universal Transverse Mercator Zone 18 North
- Draft Map: 34-011B Map Date: December 18, 2020



Final Recommended



JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

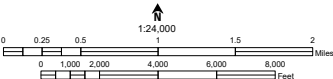
Malibu Beach Unit NJ-19P

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Final Recommended System Unit Boundary  
Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number  
Approximate State Boundary  
2000-meter Universal Transverse Mercator grid values  
Imagery Date(s): 2019  
Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program  
Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North  
Draft Map: 34-018A Map Date: December 18, 2020





## Final Recommended



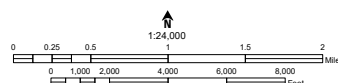
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## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

## Corson's Inlet Unit NJ-08P



- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- - - - - Approximate State Boundary
- $36^{\circ}54'00''N$  2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2019

Imagery Source(s): United States Department of Agriculture  
National Agricultural Imagery Program

Coordinate System: North American Datum 1983  
Universal Transverse Mercator Zone 18 North

Draft Map: 34-012B Map Date: December 18, 2020



Final Recommended



JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

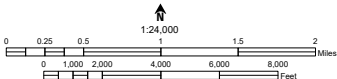
Stone Harbor Unit NJ-09/NJ-09P

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- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values
- Imagery Date(s): 2019
- Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program
- Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North
- Draft Map: 34-013B Map Date: December 18, 2020





## Final Recommended



## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

**Two Mile Beach Unit NJ-20P**  
**Cape May Unit NJ-10P**  
**Higbee Beach Unit NJ-11P**

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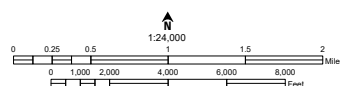
- Final Recommended System Unit Boundary
- - - Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- - - Approximate State Boundary
- 26°54'00"N 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2019

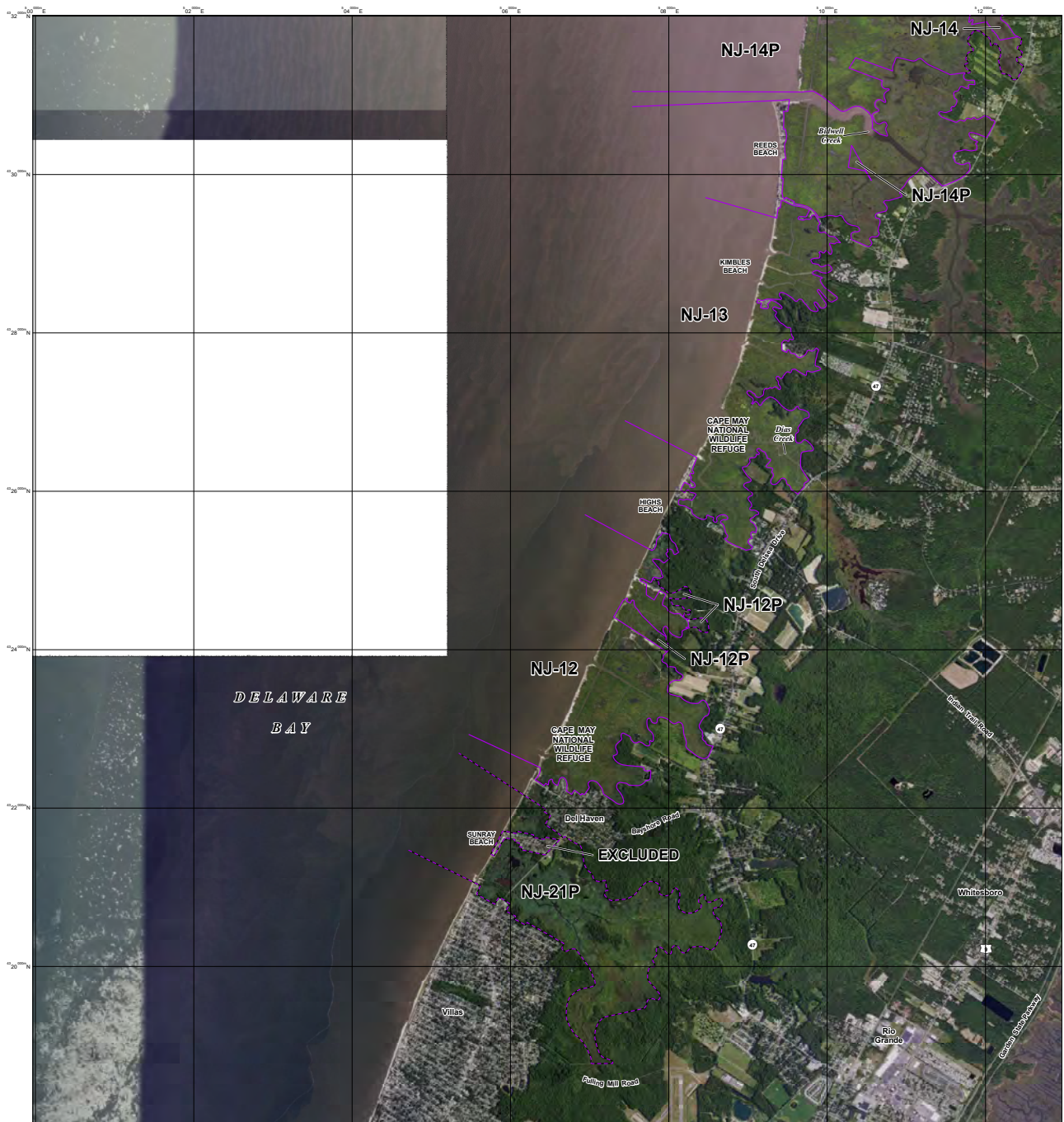
Imagery Source(s): United States Department of Agriculture  
National Agricultural Imagery Program

Coordinate System: North American Datum 1983  
Universal Transverse Mercator Zone 18 North

Draft Map: 34-014B Map Date: December 18, 2020



## Final Recommended



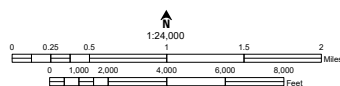
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### JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

**Sunray Beach Unit NJ-21P**  
**Del Haven Unit NJ-12/NJ-12P**  
**Kimbles Beach Unit NJ-13**  
**Moores Beach Unit NJ-14/NJ-14P (1 of 3)**



- Final Recommended System Unit Boundary
- - - Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- - - Approximate State Boundary
- 2000m 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2019

Imagery Source(s): United States Department of Agriculture  
National Agricultural Imagery Program

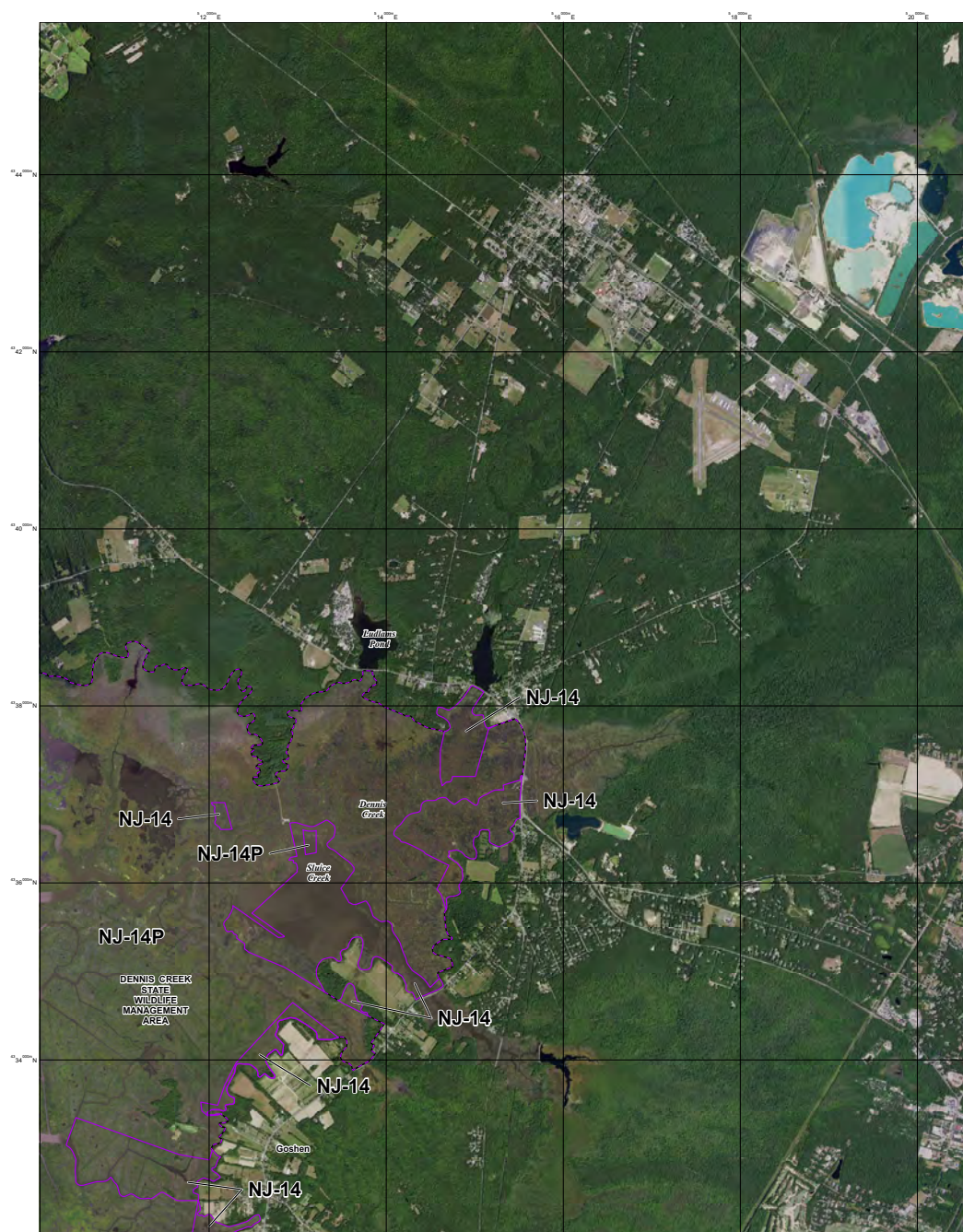
Coordinate System: North American Datum 1983  
Universal Transverse Mercator Zone 18 North

Draft Map: 34-015B

Map Date: December 18, 2020



## Final Recommended



## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

## Moores Beach Unit NJ-14/NJ-14P (2 of 3)

This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-226).

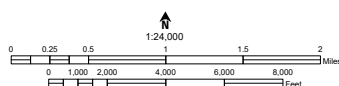
The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of CBRS units is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

For additional information about the Coastal Barrier Resources Act or CBRS, please visit [www.fws.gov/cbrr](http://www.fws.gov/cbrr).

- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- - - - - Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values

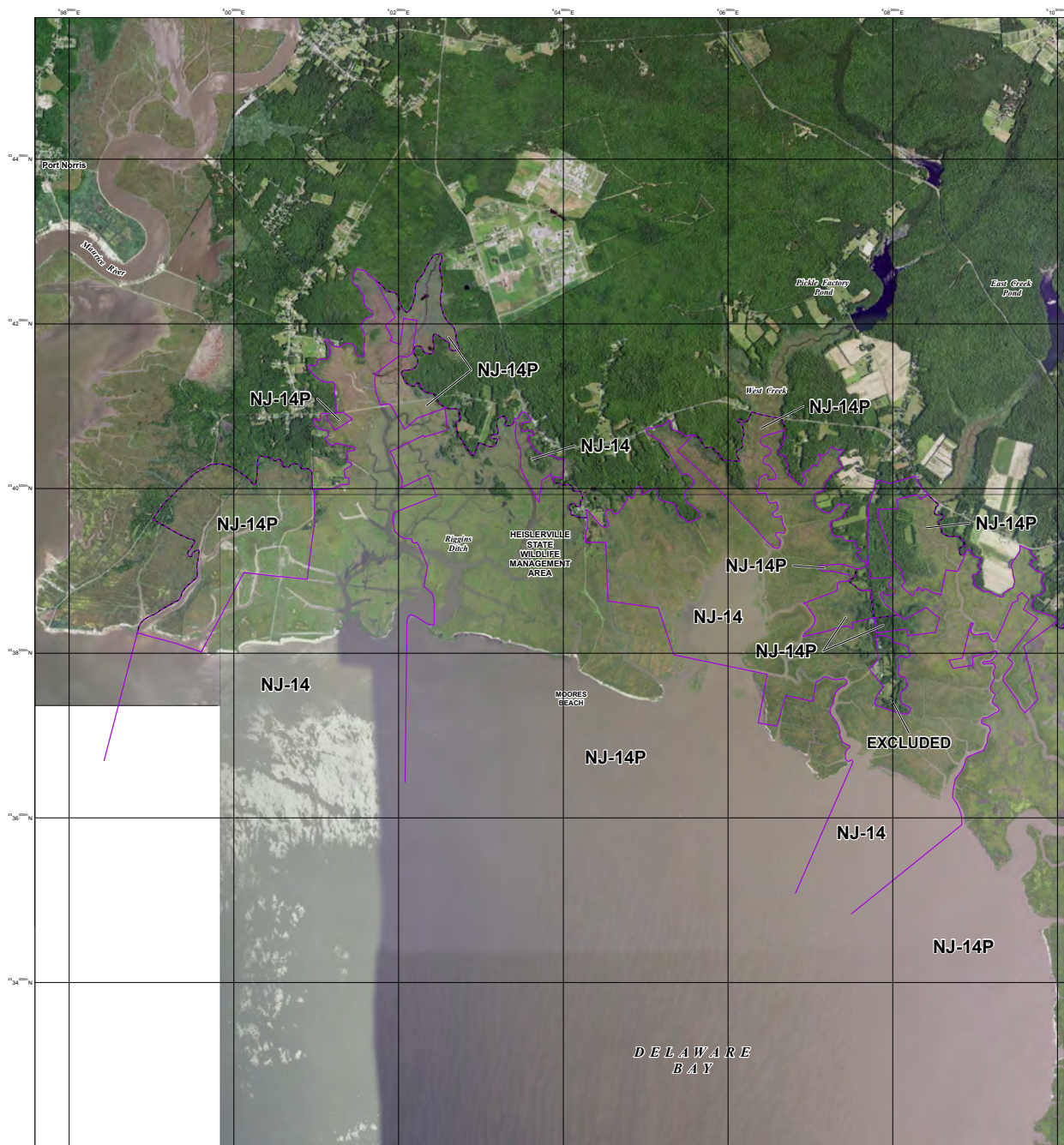
Imagery Date(s): 2019  
 Imagery Source(s): United States Department of Agriculture  
 National Agricultural Imagery Program  
 Coordinate System: North American Datum 1983  
 Universal Transverse Mercator Zone 18 North

Draft Map: 34-016B Map Date: December 18, 2020





Final Recommended



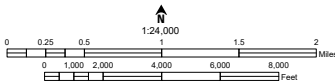
JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Moores Beach Unit NJ-14/NJ-14P (3 of 3)

This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-226).

The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshore area. The sand-sharing system of CBRS units is normally defined by the 30-ft bathymetric contour. In large coastal embayments and the Great Lakes, the sand-sharing system is defined by the 20-ft bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

For additional information about the Coastal Barrier Resources Act or CBRS, please visit [www.fws.gov/cbra](http://www.fws.gov/cbra).



- Final Recommended System Unit Boundary
- Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values
- Imagery Date(s): 2019
- Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program
- Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North
- Draft Map: 34-017A Map Date: December 18, 2020

## Final Recommended



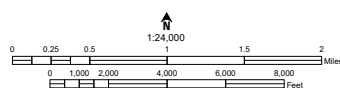
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## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

## Egg Island Unit NJ-22P (1 of 2)



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- Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2019  
 Imagery Source(s): United States Department of Agriculture  
 National Agricultural Imagery Program  
 Coordinate System: North American Datum 1983  
 Universal Transverse Mercator Zone 18 North

Draft Map: 34-019A Map Date: December 18, 2020



Final Recommended



JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

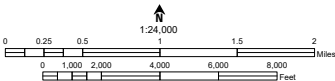
Egg Island Unit NJ-22P (2 of 2)  
Dix Unit NJ-23P (1 of 3)

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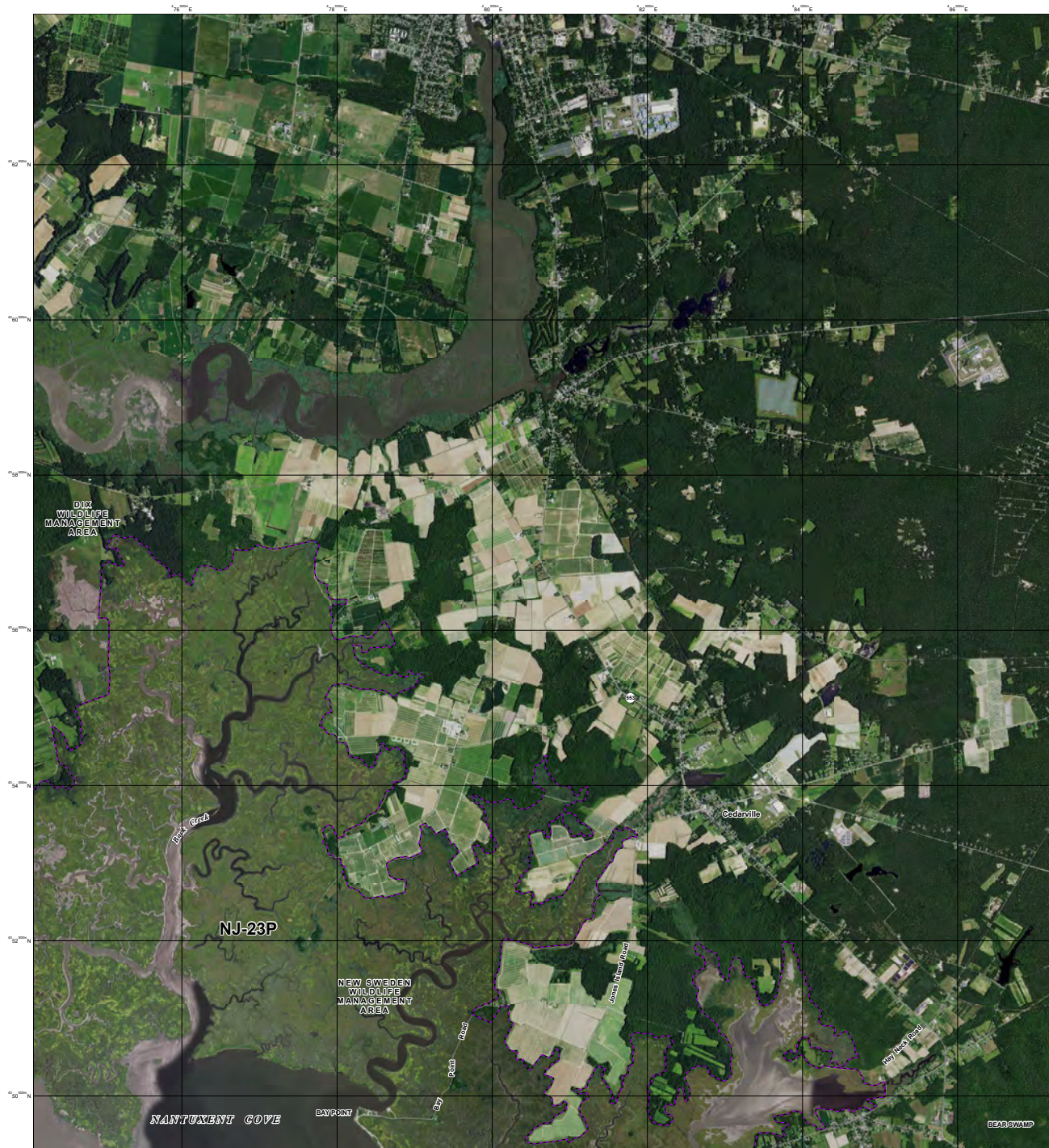
For additional information about the Coastal Barrier Resources Act or CBRS, please visit [www.fws.gov/cbra](http://www.fws.gov/cbra).

- Final Recommended System Unit Boundary
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- Approximate State Boundary
- 2000-meter Universal Transverse Mercator grid values
- Imagery Date(s): 2019
- Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program
- Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North
- Draft Map: 34-020A Map Date: December 18, 2020





## Final Recommended



## JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

## Dix Unit NJ-23P (2 of 3)

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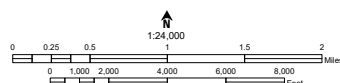
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For additional information about the Coastal Barrier Resources Act or CBRS, please visit [www.fws.gov/cbrs](http://www.fws.gov/cbrs).

- Final Recommended System Unit Boundary
- - - Final Recommended Otherwise Protected Area (OPA) Boundary; OPAs are identified on the map by the letter "P" following the unit number
- - - Approximate State Boundary
- 254°00'N 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2019  
 Imagery Source(s): United States Department of Agriculture  
 National Agricultural Imagery Program  
 Coordinate System: North American Datum 1983  
 Universal Transverse Mercator Zone 18 North

Draft Map: 34-021A Map Date: December 18, 2020





Final Recommended



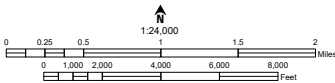
JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Dix Unit NJ-23P (3 of 3)  
Greenwich Unit NJ-24P

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- Imagery Source(s): United States Department of Agriculture National Agricultural Imagery Program
- Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 18 North
- Draft Map: 34-022A Map Date: December 18, 2020



U.S. Department of the Interior  
U.S. Fish & Wildlife Service

<http://www.fws.gov>

April 2022

