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

APPENDIX F: Summaries of Change, Technical Correction Assessments, and Maps for

Connecticut



Cover photo credit: Aerial view of Milford Point, Stewart B. McKinney NWR, Connecticut. Greg Thompson, USFWS





Summaries of Change, Technical Correction Assessments, and Maps for Connecticut

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 Connecticut: (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. Unit D08 is located in both Connecticut and Rhode Island, but the unit summary and recommended map are only included in Appendix E, which contains the data for the Rhode Island CBRS units. Of the 2,543 total acres within Unit D08, 1,768 acres are in Connecticut.

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 Connecticut. 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 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.

Stewart B McKinney NWR. Aerial view of Milford Point in the aftermath of storm Sandy. Photograph taken November 4, 2012 by Greg Thompson, USFWS.

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 Connecticut 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-and-data.

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

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

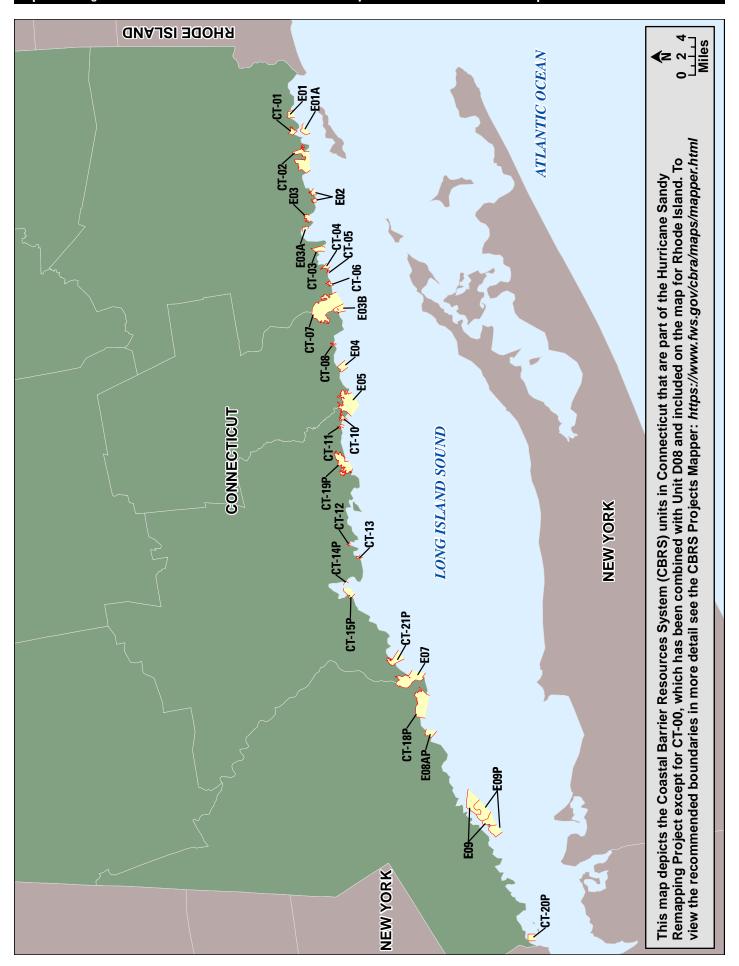
scale of 1 to 24,000. The maps are referenced to the North American Datum of 1983 and use the Universal Transverse Mercator projection, zones 18N and 19N. The projection and coordinate system as well as the base map source citation are available below the legend on each map.

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 9. Page Number(s) of Each Unit Summary, Technical Correction Assessment, and Final Recommended Map(s) in Appendix F

Unit	County	Unit Summary Page Number(s)	Technical Correction Assessment Page Number(s)	Final Recommended Map(s) Page Number(s)
E01	New London	F-11	N/A	F-52
CT-01	New London	F-12	N/A	F-52
E01A	New London	F-13	N/A	F-52
CT-02	New London	F-14, F-15	N/A	F-53
E02	New London	F-16, F-17	N/A	F-53
E03	New London	F-18	N/A	F-54
E03A	New London	F-19	N/A	F-54
CT-03	New London	F-20	N/A	F-54
CT-04	New London	F-21	N/A	F-54
CT-05	New London	F-22	N/A	F-54
CT-06	New London	F-23	N/A	F-54
CT-07	New London Middlesex	F-24, F-25	N/A	F-55
E03B	Middlesex	F-26, F-27	N/A	F-55
CT-08	Middlesex	F-28	N/A	F-55
E04	Middlesex	F-29	N/A	F-56
E05	Middlesex New Haven	F-30, F-31	F-32, F-33, F-34	F-56
CT-10	New Haven	F-35	N/A	F-56
CT-11	New Haven	F-36	N/A	F-56
CT-19*	New Haven	F-37		F-57
CT-12	New Haven	F-38	N/A	F-58
CT-13	New Haven	F-39	N/A	F-58
CT-14P	New Haven	F-40	N/A	F-58
CT-15P	New Haven	F-41	N/A	F-58
CT-21P*	New Haven	F-42	N/A	F-59
E07	New Haven	F-43, F-44	F-45, F-46	F-60
CT18P	Fairfield	F-47	N/A	F-60
E08AP*	Fairfield	F-48	N/A	F-60
E09P	Fairfield	F-49	N/A	F-61
E09	Fairfield	F-50	N/A	F-61
CT-20P*	Fairfield	F-51	N/A	F-62

^{*}Recommended new or reclassified unit



Coastal Barrier Resources System Hurricane Sandy Remapping Project

Summary of Final Recommended Changes for Connecticut

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 Connecticut 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-sandyremapping-project.

Number of Units

Total Recommended Connecticut Units: 30

System Units: 22

Otherwise Protected Areas (OPAs): 8

The Service has prepared comprehensively revised final recommended maps for all of the

32 existing CBRS units in Connecticut. One existing unit in Connecticut has no recommended changes. The Service identified four recommended new units in Connecticut. One of the four recommended new units in Connecticut is comprised partially of areas that are currently contained within the CBRS, but are recommended for reclassification from System Unit to OPA. Three of the four recommended new units in Connecticut are comprised entirely of areas that are not currently contained within the CBRS. Ninetyfive percent of the acreage in the four recommended new Connecticut units is not currently within the CBRS. Four of the existing 32 units are recommended for reclassification from System Unit to OPA (or vice versa), and therefore their current unit numbers are retired. Two of the existing 32 units in Connecticut are recommended for transfer from one existing System Unit to another existing System Unit (one of which is Rhode Island Unit D08), resulting in 30 total recommended units.

Public Review and Comments

The Service held a 120-day public review and comment period on the proposed boundaries in Connecticut from December 18, 2018, through April 17, 2019 (83 FR 64861). The

Service received 5 comments affecting 14 units in Connecticut. 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 Connecticut units in this project was dated 2016. 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 2018. The Service also made changes to four units in response to comments received during the public comment period, and created one new recommended unit that was not initially proposed. The changes made between the proposed and final recommended boundaries for each Connecticut unit are summarized in appendix F 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 Connecticut units would remove 32 acres from the CBRS (15 acres of fastland and 17 acres of associated aquatic habitat) and add 5,248 acres to the CBRS (405 acres of fastland and 4,843 acres of associated aquatic habitat). The final recommended maps for the Connecticut units

would remove 12 acres of privately owned lands not held for conservation/ recreation) from the CBRS and add 65 acres of privately owned lands to the CBRS.

The final recommended boundaries would remove 52 structures (mostly private residential) from the CBRS and add 10 structures (mostly park-related) to the CBRS.

Information about the recommended changes for each of the individual Connecticut units (including acreage and structure changes) is available in appendix F of the 2022 Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project and at: https://www.fws.gov/project/hurricanesandy-remapping-project.

Final Recommended Acreage and Structure Changes for Connecticut

	$Fastland\ Acres^{\scriptscriptstyle 1}$		$Fastland\ Acres^1 \qquad egin{array}{c} Associated\ Aquatic \ Habitat\ Acres^2 \end{array} \qquad Total\ Acres$		Acres	$Total\ Structures^{3}$		
	System Unit	OPAs	System Unit	OPAs	System Unit	OPAs	$System\\Unit$	OPAs
Added to the	94	311	2,390	2,453	2,484	2,764	0	10
CBRS	Total: 405		Total: 4,843		Total: 5,248		Total: 10	
Removed from the	9	6	3	14	12	20	31	21
CBRS	Tota	l: 15	Total: 17		Total: 32		Total:52	
$Net\ Reclassified^4$	2	(2)	46	(46)	48	(48)		
$TransferredArea^{\scriptscriptstyle 5}$	(116)	0	(1,317)	0	(1,433)	0		
	Total:	(116)	Total:	(1,317)	Total:	(1,433)		
$Net\ Change$	Total	: 274	Total:	3,509	Total:	3,783	Tota	l: 42

¹ Land above mean high tide.

² 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.

³ 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)).

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

⁵ The net change includes 116 acres of fastland and 1,317 acres of associated aquatic habitat that were transferred from System Unit CT-00 to System Unit D08, the acreage of which is counted with the Rhode Island units. This transfer between two units of the same type does not change the CBRA restrictions on Federal expenditures and financial assistance in these areas.

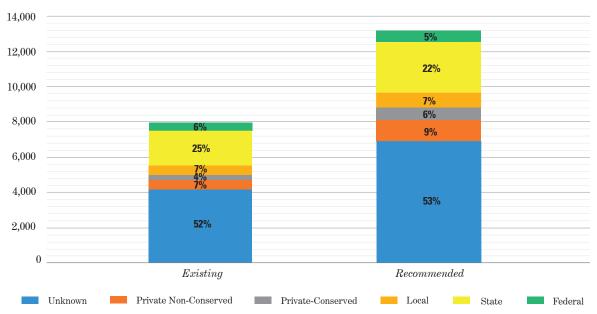
Final Recommended Changes by Land Ownership

The ownership type of the existing and final recommended CBRS units in Connecticut 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.

Ownership Type and Percent Acreage¹ of Existing and Final Recommended Coastal Barrier Resources System Units for Connecticut



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

Connecticut: Units in Project

County	Congressional District	Unit Number	Unit Name	$Unit\ Status$
New London	CT-2	CT-00	Barn Island	Existing Unit Transferred to Unit D08 and Unit Number Retired
New London	CT-2	CT-01	Mason Island	Existing Unit
New London	CT-2	CT-02	Bluff Point	Existing Unit
New London	CT-2	CT-02P	Bluff Point	Existing Unit Reclassified to Unit CT-02 and Unit Number Retired
New London	CT-2	CT-03	Old Black Point	Existing Unit
New London	CT-2	CT-04	Hatchett Point	Existing Unit
New London	CT-2	CT-05	Little Pond	Existing Unit
New London	CT-2	CT-06	Mile Creek	Existing Unit
New London, Middlesex	CT-2	CT-07	Griswold Point	Existing Unit
Middlesex	CT-2	CT-08	Cold Spring Brook	Existing Unit
Middlesex	CT-2	CT-09	Harbor View	Existing Unit Transferred to Unit E05 and Unit Number Retired
New Haven	CT-2	CT-10	Toms Creek	Existing Unit
New Haven	CT-2	CT-11	Seaview Beach	Existing Unit
New Haven	CT-3	CT-12	Lindsey Cove	Existing Unit
New Haven	CT-3	CT-13	Kelsey Island	Existing Unit
New Haven	CT-3	CT-14P	Nathan Hale Park	Existing Unit
New Haven	CT-3	CT-15P	Morse Park	Existing Unit
Fairfield	CT-3, CT-4	CT-18P	Long Beach	Existing Unit
New Haven	CT-2, CT-3	CT-19P	Guilford Harbor	New Unit
Fairfield	CT-4	CT-20P	Calf Islands	New Unit
New Haven	CT-3	CT-21P	Silver Sands	New Unit
New London	CT-2	E01	Wilcox Beach	Existing Unit
New London	CT-2	E01A	Ram Island	Existing Unit
New London	CT-2	E02	Goshen Cove	Existing Unit
New London	CT-2	E03	Jordan Cove	Existing Unit
New London	CT-2	E03A	Niantic Bay	Existing Unit
Middlesex	CT-2	E03B	Lynde Point	Existing Unit
Middlesex	CT-2	E04	Menunketesuck Island	Existing Unit
Middlesex, New Haven	CT-2	E05	Hammonasset Point	Existing Unit
Middlesex	CT-2	E05P	Hammonasset Point	Existing Unit Reclassified to Unit E05 and Unit Number Retired
New Haven, Fairfield	CT-3	E07	Milford Point	Existing Unit
New Haven	CT-3	E07P	Milford Point	Existing Unit Reclassified to Unit E07 and Unit Number Retired
Fairfield	CT-4	E08A	Fayerweather Island	Existing Unit Reclassified to new Unit E08AP and Unit Number Retired
Fairfield	CT-4	E08AP	Fayerweather Island	New Unit - Partially Reclassified
Fairfield	CT-4	E09	Norwalk Islands	Existing Unit
Fairfield	CT-4	E09P	Norwalk Islands	Existing Unit

John H. Chafee Coastal Barrier Resources System (CBRS) Unit E01, Wilcox Beach, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map <u>083</u> dated October 24, 1990

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

 Draft map <u>09-001A</u> dated December 18, 2020

Base Map Imagery Source and Date: United States Department of

Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E01.

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

 Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 E01.

Changes between Proposed and Final Recommended Boundaries:

There are no changes to Unit E01 between proposed and final recommended.

Final Recommended Changes:

The final recommended changes to Unit E01 are described below.

Recommended Additions:

- Rock Island and a portion of Fishers Island Sound
- A small beach area west of Lindberg Road

Other Modifications/Information:

 Wilcox Preserve (owned by The Connecticut Audubon Society), located on Lyddy Island in Fishers Island Sound, is currently located within System Unit E01. This minor area is not recommended for reclassification to an Otherwise Protected Area.

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 E01, Wilcox Beach, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	28	1	27	0.8	
Added to the CBRS	0	0	0		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	28	1	27	0.8	
Net Change	0	0	0	0.0	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-01, Mason Island, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map <u>083</u> dated October 24, 1990

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

 Draft map <u>09-001A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

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

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-01 were received.

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

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

Recommended Removals:

 A small area of undeveloped fastland north of Money Point Road on Mason Island

Recommended Additions:

 Portions of Mystic Harbor and associated wetlands along Six Penny Island

- Portions of Bass Strait and associated wetlands along Mason Island
- Six Penny Island Wildlife Area (owned by the Connecticut Department of Energy and Environmental Protection (CT DEEP)). The CT DEEP concurred with the addition of these areas as System Unit rather than Otherwise Protected Area (OPA).
- Minor areas of wetlands that are privately owned and subject to conservation easements (held by The Nature Conservancy (TNC)) located on Mason Island along Bass Strait

Other Modifications/Information:

- Portions of private properties that are subject to conservation easements (held by TNC) are currently located within System Unit CT-01. These areas are not recommended for reclassification to an OPA because they are minor or the conservation easements were not in place when these areas were first included in 1990 within the CBRS.
- A minor area of wetlands (owned by Avalonia Land Conservancy, Inc.) located at Ram Point on Mason Island is currently within System Unit CT-01. This area is not recommended for reclassification to an 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 CT-01, Mason Island, Connecticut

	$Total\ Acres$	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	84	7	77	0.4	
Added to the CBRS	65	0	65		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	149	7	142	0.7	
Net Change	65	0	65	0.3	0

 $^{^{\}it 1}$ Land above mean high tide.

Associated aquatic habitat includes wetlands, tmarshes, 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.

³ 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)).

⁴ 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 E01A, Ram Island, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map_083 dated October 24, 1990

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

 Draft map <u>09-001A</u> dated December 18, 2020

Base Map Imagery Source and

Date: United States Department of Agriculture, National Agriculture Imagery Program, 2018 Establishment of Unit: The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E01A.

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

 Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit E01A were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit E01A between proposed and final recommended.

Final Recommended Changes:

The final recommended changes to Unit E01A are described below.

Recommended Additions:

 A portion of Fishers Island Sound north of Ram Island and Gates Island

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 E01A, Ram Island, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	161	13	148	1.1	
Added to the CBRS	32	0	32		0
Removed from the CBRS	0	0	0		1
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	193	13	180	1.1	
Net Change	32	0	32	0.0	(1)

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-02, Bluff Point, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map_084A_dated October 15, 1992

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

 Draft map <u>09-002A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Improvement

Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit CT-02.

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

 Federal Register notice (58 FR 60288) published on November 15, 1993, in accordance with Section 4 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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 CT-02.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-02 between proposed and final recommended.

Final Recommended Changes: The final recommended changes to Unit CT-02 are described below.

Recommended Removals:

• One structure along Neptune Drive

Recommended Additions:

- Pine Island, located at the mouth of the Poquonock River
- Portions of Baker Cove and adjacent wetlands
- Portions of the Poquonock River and adjacent wetlands

- Portions of a beach between Bluff and Mumford Points that are within the Bluff Point State Park and Coastal Reserve (owned by the Connecticut Department of Energy and Environmental Protection (CT DEEP)) and portions of Fishers Island Sound
- Portions of Mumford Cove and adjacent wetlands
- Wetlands and small areas of undeveloped fastland located north of Atlantic Avenue on the southeast side of Mumford Cove

Recommended Reclassifications:

■ From Otherwise Protected Area (OPA) Unit CT-02P to System Unit CT-02: The entirety of existing OPA Unit CT-02P, which consists of mostly wetlands that are not held for conservation and/or recreation (located along the southern portion of Groton-New London Airport), is recommended for reclassification to System Unit CT-02. There is no separate unit summary for Unit CT-02P.

Other Modifications/Information:

 Portions of Bluff Point State Park and Coastal Reserve (owned by the CT DEEP) are currently within and recommended for addition to System Unit CT-02. The CT DEEP concurred with classifying these areas as System Unit rather than 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 CT-02, Bluff Point, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	494	68	426	1.9	
Added to the CBRS	335	20	315		0
Removed from the CBRS	0	0	0		1
Reclassified Area ⁴	34	0	34		0
Final Recommended Unit	863	88	775	3.1	
Net Change	369	20	349	1.2	(1)

 $^{^{1}}$ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 E02, Goshen Cove, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map <u>084A</u> dated October 15, 1992

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

 Draft map <u>09-002A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The

Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E02.

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

- Federal Register notice
 (48 FR 17406) published on
 April 22, 1983, in accordance with
 Section 4(c)(1) of Pub. L. 97-348
- Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)
- Federal Register notice (58 FR 60288) published on November 15, 1993, in accordance with Section 4 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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 E02.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit E02 between proposed and final recommended.

Final Recommended Changes:

The final recommended changes to Unit E02 are described below.

Recommended Additions:

- Portions of Harkness Memorial State Park (owned by the Connecticut Department of Energy and Environmental Protection (CT DEEP))
- Small areas of wetlands on the west side of Goshen Cove (including a minor area owned by the West Farms Land Trust Inc., a conservation organization)
- A minor portion of Ocean Beach Park (owned by the City of New London)
- A minor portion of Camp Harkness (owned by the State of Connecticut and managed by the Department of Developmental Services)
- A minor portion of Waterford Beach Park (owned by the Town of Waterford)

Other Modifications/Information:

- Portions of Harkness Memorial State Park (owned by CT DEEP) are both currently within and recommended for addition to System Unit E02. The CT DEEP concurred with classifying these areas as System Unit rather than an Otherwise Protected Area (OPA).
- A minor portion of Camp Harkness (owned by the State of Connecticut and managed by the Department of Developmental Services) is currently located within System Unit E02. This area is not recommended for reclassification to an OPA.
- A portion of Waterford Beach Park (owned by the Town of Waterford) is currently located within System Unit E02. The Park was held for conservation and/or recreation before it was included within the CBRS, but it is not recommended for reclassification to an OPA. The Service did not receive a response from the Town regarding the areas it owns during either the stakeholder outreach phase of the project or the public comment period. Therefore, no changes were made to the CBRS unit classification of this area.
- A minor portion of Ocean Beach Park (owned by the City of New London) is currently located within System Unit E02. This area is not recommended for reclassification to an OPA.
- Minor areas owned by the West Farms Land Trust Inc. are currently located within System Unit E02. These areas are not recommended for reclassification to an 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 E02, Goshen Cove, Connecticut

	TotalAcres	$Fastland\ Acres^{1}$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	64	14	50	0.9	
Added to the CBRS	47	10	37		0
Removed from the CBRS	0	0	0		0
Reclassified Area 4	0	0	0		0
Final Recommended Unit	111	24	87	1.0	
Net Change	47	10	37	0.1	0

 $^{^{\}it 1}$ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 E03, Jordan Cove, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map <u>085</u> dated October 24, 1990

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

 Draft map <u>09-003A</u> dated December 18, 2020

Base Map Imagery Source and Date: United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E03.

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

 Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit E03 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit E03 between proposed and final recommended.

Final Recommended Changes:

The final recommended changes to Unit E03 are described below.

Recommended Additions:

- Undeveloped fastland, wetlands, and two small coastal ponds west of Jordan Cove
- A small area of wetlands along Jordan Cove north of Reed Avenue on the east side of the unit (including a minor area owned by the Connecticut Department of Energy and Environmental Protection and held for conservation and/or recreation)

 $Other\ Modifications/Information:$

 A minor area owned by the West Farms Land Trust Inc. (a conservation organization) is currently located within System Unit E03. This area is not recommended for reclassification to an Otherwise Protected Area.

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 CBRS Unit E03, Jordan Cave, Connecticut

	$Total\ Acres$	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	80	2	78	0.5	
Added to the CBRS	17	6	11		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	97	8	89	1.0	
Net Change	17	6	11	0.5	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 E03A, Niantic Bay, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map <u>085</u> dated October 24, 1990

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

 Draft map <u>09-003A</u> dated December 18, 2020

Base Map Imagery Source and Date: United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E03A. **Historical Changes:** The CBRS map for this unit has been modified by the following legislative and/or administrative action:

 Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit E03A were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit E03A between proposed and final recommended.

Final Recommended Changes:

The final recommended changes to Unit E03A are described below.

Recommended Additions:

- Portions of Niantic Bay (including wetlands and small areas of undeveloped fastland along the shoreline) to the south of the existing unit
- Small areas of undeveloped fastland and wetlands south of the railroad near the mouth of the Niantic 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 CBRS Unit E03A, Niantic Bay, Connecticut

	TotalAcres	$Fastland\ Acres^{1}$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	20	4	16	0.5	
Added to the CBRS	5	3	2		0
Removed from the CBRS	0	0	0		0
Reclassified Area 4	0	0	0		0
Final Recommended Unit	25	7	18	0.8	
Net Change	5	3	2	0.3	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-03, Old Black Point, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map <u>085</u> dated October 24, 1990

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

 Draft map 09-003A dated December 18, 2020

Base Map Imagery Source and Date: United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit CT-03.

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-03 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-03 between proposed and final recommended.

Final Recommended Changes: The final recommended changes to Unit CT-03 are described below.

Recommended Additions:

 Portions of the Pattagansett River and adjacent wetlands (including a minor area owned by The Nature Conservancy (TNC)), located south of the railroad and west of Old Black Point Road Several small rocky islands known as Long Ledge (including minor areas owned by TNC), located in Long Island Sound southeast of Griswold Island

Other Modifications/Information:

- A minor area owned by the Town of East Lyme and held for conservation and/or recreation is currently within System Unit CT-03, located south of the railroad along the west side of the Pattagansett River. This area is not recommended for reclassification to an Otherwise Protected Area (OPA).
- Areas owned by TNC are currently within System Unit CT-03. TNC concurred with classifying these areas as System Unit rather than OPA.
- Areas that are privately owned but subject to conservation easements (held by TNC) are currently located within System Unit CT-03. These areas are not recommended for reclassification to an OPA because the conservation easements were not in place when 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 CT-03, Old Black Point, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	229	23	206	0.4	
Added to the CBRS	35	1	34		0
Removed from the CBRS	0	0	0		0
Reclassified Area 4	0	0	0		0
Final Recommended Unit	264	24	240	0.6	
Net Change	35	1	34	0.2	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-04, Hatchett Point, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

 $\ \ \, \textbf{Congressional District:} \ 2$

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

■ Map <u>086</u> dated October 24, 1990

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

 Draft map <u>09-003A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit CT-04. **Historical Changes:** There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 Sustem Hurricane Sandu Remappina *Project*. All of the comments received during the comment period are reprinted in appendix L.

No comments specific to Unit CT-04 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-04 between proposed and final recommended.

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

Recommended Additions:

 Wetlands and small areas of undeveloped fastland along Threemile River west of Connecticut Road Minor areas of undeveloped fastland and wetlands that are privately owned and subject to a conservation easement (held by The Nature Conservancy (TNC)), located north of Big Pond and along Long Island Sound north of Hatchett Point

Other Modifications/Information:

Portions of private property subject to a conservation easement (held by TNC), located along Long Island Sound north of Hatchett Point, are both currently within and recommended for addition to System Unit CT-04. The areas currently within the unit were held for conservation and/or recreation when Unit CT-04 was established and are not recommended for reclassification to an Otherwise Protected Area. There is evidence in the Service's records that, in 1990, this privately owned conservation area was intentionally added to the CBRS as a System Unit by Congress. The portions of this area that are recommended for addition are minor.

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 CT-04, Hatchett Point, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	65	24	41	0.4	
Added to the CBRS	9	4	5		0
Removed from the CBRS	0	0	0		0
Reclassified Area 4	0	0	0		0
Final Recommended Unit	74	28	46	0.6	
Net Change	9	4	5	0.2	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-05, Little Pond, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map 086 dated October 24, 1990

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

 Draft map <u>09-003A</u> dated December 18, 2020

Base Map Imagery Source and Date: United States Department of Agriculture, National Agriculture Imagery Program, 2018

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

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

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-05 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-05 between proposed and final recommended.

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

Recommended Additions:

 Small areas of wetlands along the landward boundary of the unit (including minor areas that are privately owned and subject to a conservation easement held by The Nature Conservancy (TNC) around Little Pond)

Other Modifications/Information:

• Minor areas that are privately owned and subject to a conservation easement (held by TNC), located around Little Pond and along the shoreline of Long Island Sound west of Hatchett Point, are currently within System Unit CT-05. These areas are not recommended for reclassification to an Otherwise Protected Area.

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 CBRS Unit CT-05, Little Pond, Connecticut

	TotalAcres	$Fastland\ Acres^{1}$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	4	4	10	0.3	
Added to the CBRS	0	0	0		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	14	4	10	0.3	
Net Change	0	0	0	0.0	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-06, Mile Creek, **Connecticut**

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London

Congressional District: 2

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

■ Map <u>086</u> dated October 24, 1990

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

• Draft map <u>09-003A</u> dated December 18, 2020

Base Map Imagery Source and Date: United States Department of

Agriculture, National Agriculture Imagery Program, 2018

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

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-06 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-06 between proposed and final recommended.

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

Recommended Additions:

- Wetlands north of a coastal pond that are located east of Brighton Road's terminus
- Wetlands along Mile Creek south of Old Shore Road
- Wetlands and small areas of fastland (the majority of which are owned by the Old Lyme Land Trust, a conservation organization) located east of Mile Creek. The Trust concurred with the addition of these areas as System Unit rather than an Otherwise Protected Area (OPA).

Other Modifications/Information:

 Areas owned by the Old Lyme Land Trust are currently located within System Unit CT-06, but are not recommended for reclassification to an OPA because they were not held for conservation and/or recreation when they 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 CBRS Unit CT-06, Mile Creek, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	61	25	36	0.3	
Added to the CBRS	17	2	15		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	78	27	51	0.3	
Net Change	17	2	15	0.0	0

¹ Land above mean high tide.

² 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.

³ 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" ture" (16 U.S.C. 3503(g)(2)).

⁴ 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 CT-07, Griswold Point, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New London, Middlesex

Congressional District: 2

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

■ Map <u>086</u> dated October 24, 1990

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

 Draft map <u>09-004A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

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

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 CT-07.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-07 between proposed and final recommended.

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

Recommended Additions:

- Wetlands and small areas of fastland along the Black Hall River west of Shore Road in the Town of Old Lyme
- Wetlands along the Connecticut River and Black Hall River that are held for conservation and/or recreation (owned by the State of Connecticut Department of Energy and Environmental Protection (CT DEEP)), including Ragged Rock Creek Marsh Wildlife Management Area and portions of Roger Tory Peterson Wildlife Management Area
- Minor areas of wetlands held for conservation and/or recreation (owned by the Old Lyme Land Trust, a conservation organization), located along the Black Hall River west of Shore Road and along the Duck River north of Caulkins Road
- A minor area of wetlands held for conservation and/or recreation (owned by the Town of Old Lyme),

- located along the Duck River north of Caulkins Road
- Wetlands and small areas of fastland along North Cove and portions of the Ragged Rock Creek marsh in the Town of Old Saybrook
- Wetlands that are held for conservation and/or recreation (owned by The Nature Conservancy (TNC)) along Ragged Rock Creek and North Cove
- Minor areas of wetlands and small areas of fastland that are held for conservation and/or recreation (owned by the Town of Old Saybrook), located along North Cove
- Wetlands held for conservation and/ or recreation (owned by the Old Saybrook Land Trust, a conservation organization), located along North Cove. The Trust concurred with classifying these areas as System Unit rather than an Otherwise Protected Area (OPA).

Other Modifications/Information:

- Areas owned by the CT DEEP and held for conservation and/or recreation are both currently within and recommended for addition to System Unit CT-07. The CT DEEP concurred with classifying these areas as System Unit rather than OPA.
- Areas owned by TNC are both currently within and recommended for addition to System Unit CT-07.
 TNC concurred with classifying these areas as System Unit rather than OPA.
- Areas owned by the Old Lyme
 Land Trust (including Elizabeth B.
 Karter Watch Rock Preserve) are
 currently located within System
 Unit CT-07. The Trust concurred
 with classifying these areas as
 System Unit rather than 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 CBRS Unit CT-07, Griswold Point, Connecticut

	$Total\ Acres$	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	1,512	77	1,435	1.5	
Added to the CBRS	1,301	11	1,290		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	2,813	88	2,725	1.7	
Net Change	1,301	11	1,290	0.2	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 E03B, Lynde Point, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: Middlesex

Congressional District: 2

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

Map <u>086</u> dated October 24, 1990

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

Draft map <u>09-004A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E03B.

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

 Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304) 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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit E03B were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit E03B between proposed and final recommended.

Final Recommended Changes: The final recommended changes to Unit E03B are described below.

Recommended Removals:

 Twelve structures at the end of Sequassen Avenue on Lynde Point

Recommended Additions:

 Portions of the Connecticut River at its mouth with Long Island Sound, including the eastern jetty

- A minor area located east of the intersection of Sequassen and Neponset Avenues that is owned by the Borough of Fenwick and most of which is held for conservation and/or recreation
- A pond and adjacent wetlands, located south of Agawam Avenue and east of Fenwick Avenue (including a minor area held for conservation and/or recreation by the Borough of Fenwick)

Other Modifications/Information:

- Modification of the western lateral boundary of the unit to extend farther south into Long Island Sound to clarify the offshore extent of System Unit E03B
- An area held for conservation and/or recreation (owned by the Borough of Fenwick) is currently located within System Unit E03B. This area is not recommended for reclassification to an Otherwise Protected Area (OPA) because it was not held for conservation and/ or recreation when the area was first included in 1982 within the CBRS.
- Areas owned by the Lynde Point Land Trust (a conservation organization) are currently located within System Unit E03B. These areas are not recommended for reclassification to an OPA because they were not held for conservation and/or recreation when the area was first included in 1982 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 CBRS Unit E03B, Lynde Point, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	126	40	86	0.8	
Added to the CBRS	7	1	6		0
Removed from the CBRS	3	3	0		12
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	130	38	92	0.9	
Net Change	4	(2)	6	0.1	(12)

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-08, Cold Spring Brook, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: Middlesex

Congressional District: 2

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

■ Map <u>087</u> dated October 24, 1990

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

 Draft map <u>09-004A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

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

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-08 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-08 between proposed and final recommended.

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

Recommended Removals:

- A small area of fastland including two structures, located on Thompson Lane
- Three condominium buildings along Sandy Point Road
- A small area of fastland including one structure, located along Chapman Beach Road

Recommended Additions:

- Wetlands along Cold Spring Brook and Long Island Sound on the west side of the unit
- Wetlands and small areas of undeveloped fastland located west of Chalker Beach Road and east and south of Sandy Point Road
- A minor area of wetlands owned by the Town of Old Saybrook and held for conservation and/or recreation, located north of Beach Road West

Other Modifications/Information:

- An area owned by the Connecticut Department of Energy and Environmental Protection (CT DEEP) and held for conservation and/ or recreation is included within System Unit CT-08. The CT DEEP concurred with maintaining this area as System Unit rather than reclassifying it to an Otherwise Protected Area (OPA).
- A minor area of wetlands along Cold Spring Brook (owned by the Town of Old Saybrook and held for conservation and/or recreation) is currently located within System Unit CT-08. This area is not recommended for reclassification to an 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 CT-08, Cold Spring Brook, Connecticut

	TotalAcres	$Fastland\ Acres^1$	Associated Aquatic Habitat Acres ²	Shoreline (Miles)	$Structures^3$
Existing Unit	24	5	19	0.1	
Added to the CBRS	18	2	16		0
Removed from the CBRS	3	3	0		6
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	39	4	35	0.1	
Net Change	15	(1)	16	0.0	(6)

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 E04, Menunketesuck Island, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: Middlesex

Congressional District: 2

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

■ Map <u>087</u> dated October 24, 1990

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

 Draft map <u>09-005A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E04.

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

 Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 E04.

Changes between Proposed and Final Recommended Boundaries: The changes to Unit E04 between proposed

and final recommended are described below:

 The eastern lateral boundary has been modified to include within the unit associated aquatic habitat located east of Menunketesuck Island along West Beach in Westbrook Harbor

Final Recommended Changes: The final recommended changes to Unit E04 are described below.

Recommended Additions:

- Associated aquatic habitat along West Beach in Westbrook Harbor
- Portions of the Patchogue River west of Hawks Nest

Other Modifications/Information:

■ The Menunketesuck Island Unit of the Stewart B. McKinney National Wildlife Refuge (owned by the Service) is currently located within System Unit E04, but is not recommended for reclassification to an Otherwise Protected Area because the island was not held for conservation and/or recreation when it was first included in 1982 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 E04, Menunketesuck Island, Connecticut

	$Total\ Acres$	$Fastland\ Acres^{1}$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	87	2	85	0.8	
Added to the CBRS	166	0	166		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	253	2	251	1.3	
Net Change	166	0	166	0.5	0

¹ Land above mean high tide.

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.

³ 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)).

 $^{^4}$ 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 E05, Hammonasset Point, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: Middlesex, New Haven

Congressional District: 2

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

■ Map <u>088A</u> dated October 15, 1992

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

 Draft map <u>09-005A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit:

The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E05.

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

- Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)
- Federal Register notice (58
 FR 60288) published on
 November 15, 1993, in accordance
 with Section 4 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 December 18, 2018, through April 17, 2019 (83 FR 64861).

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 E05.

Changes between Proposed and Final Recommended Boundaries:

The changes to Unit E05 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 E05 are described below.

Recommended Removals:

- A small area of fastland including one structure, located at the end of 5th Street in the Town of Madison
- One structure at the western end of Pratt Road in the Town of Clinton. This area is currently within Otherwise Protected Area (OPA) Unit E05P (the remainder of which is recommended to be reclassified entirely to System Unit E05).
- The portions of Cedar Island Marina and Clinton Yacht Haven that are currently within the CBRS. These areas are currently within OPA Unit E05P (the remainder of which is recommended to be reclassified entirely to System Unit E05).
- The portions of Old Harbor Marina, including one structure, that are currently within the CBRS, located north of Clinton Town Beach. This area is currently within System Unit CT-09 (the remainder of which is recommended to be transferred entirely to System Unit E05).

Recommended Additions:

 Minor areas of wetlands located east of the Hammonasset Connector that are within Hammonasset Beach State Park (owned by the Connecticut Department of Energy and Environmental Protection (CT DEEP))

- Wetlands along the Hammonasset River and Hayden's Creek
- Minor areas of wetlands that are owned by the Town of Madison and held for conservation and/or recreation, located along the Hammonasset River
- A minor area of wetlands that is owned by the Town of Clinton and held for conservation and/or recreation, located along Hayden's Creek
- Minor areas of wetlands that are owned by the Clinton Land Conservation Trust, located along the Hammonasset River and Hayden's Creek
- A small area of fastland at the end of Riverside Drive in the Town of Clinton
- Wetlands and small areas of undeveloped fastland along the Indian River in the vicinity of its mouth at Clinton Harbor
- Wetlands and a small area of undeveloped fastland on Cedar Island (including a minor portion of Hammonasset Beach State Park)
- Wetlands owned by the Clinton Land Conservation Trust, located on the east side of Clinton Harbor south of Harbor View and north of Hammock Road. The Trust concurred with the addition of these areas as System Unit rather than OPA.
- Portions of Hammock River Marsh Wildlife Management Area (owned by the CT DEEP), located on the east side of Clinton Harbor south of Harbor View and west of Beach Park Road. The CT DEEP concurred with the addition of these areas as System Unit rather than OPA.
- The eastern portions of Clinton Harbor

$Recommended\ Reclassifications:$

From OPA Unit E05P to System Unit E05: The entirety of existing OPA Unit E05P (except for the removals noted above), which consists mostly of fastland and wetlands at the end of Pratt Road that are not held for conservation and/or recreation and a small area of open water south of Cedar Island Marina, is recommended for reclassification to System Unit E05. There is no separate unit summary for Unit E05P.

Other Modifications/Information:

- The entirety of existing System Unit CT-09 (except the removal noted above) has been transferred to System Unit E05 in order to simplify mapping along Clinton Harbor. There is no separate unit summary for Unit CT-09.
- Portions of Hammonasset Beach State Park are both currently within and recommended for addition to System Unit E05. The CT DEEP concurred with classifying these areas as System Unit rather than OPA.
- A minor area of wetlands at the end of Pratt Road that is owned by the Clinton Land Conservation Trust is currently located within OPA Unit E05P, which is recommended to be reclassified entirely (except the removals noted above) to System Unit E05. The Trust concurred with classifying this area as System Unit rather than OPA.
- Clinton Town Beach (owned by the Town of Clinton and held for conservation and/or recreation) is currently located within System

- Unit CT-09, which is recommended to be transferred entirely (except the removal noted above) to System Unit E05. The Town concurred with maintaining this area as System Unit rather than reclassifying it to an OPA.
- Portions of the Hammock River Marsh Wildlife Management Area, located along the north side of the Hammock River, are currently within System Unit CT-09, which is recommended to be transferred entirely (except the removal noted above) to System Unit E05. The CT DEEP concurred with maintaining these areas as System Unit rather than reclassifying them to an OPA.
- An area that is owned by the Clinton Land Conservation Trust, located on the north side of the Hammock River east of Clinton Town Beach, is currently within System Unit CT-09, which is recommended to be transferred entirely (except the removal noted above) to System Unit E05. The Trust concurred with maintaining this area as System Unit rather than reclassifying it to an 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.

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 F-32 in appendix F of the 2022 Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project.

Acreage, Shoreline, and Structure Information for Unit E05, Hammonasset Point, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	730	119	611	2.8	
Added to the CBRS	207	8	199		0
Removed from the CBRS	1	0	1		1
Reclassified Area ⁴	70	12	58		0
Transferred Area ⁵	116	21	95		
Final Recommended Unit	1,122	160	962	3.9	
Net Change ⁵	392	41	351	1.1	(1)

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.

⁵ The net change includes 21 acre of fastland and 95 acres of associated aquatic habitat that were transferred from System Unit CT-09 to System Unit E05. This transfer between two units of the same type does not change the CBRA restrictions on Federal expenditures and financial assistance in these areas.

Technical Correction Assessment for Cedar Island Marina Property on Riverside Drive in CBRS Units E05/E05P

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,¹ 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.

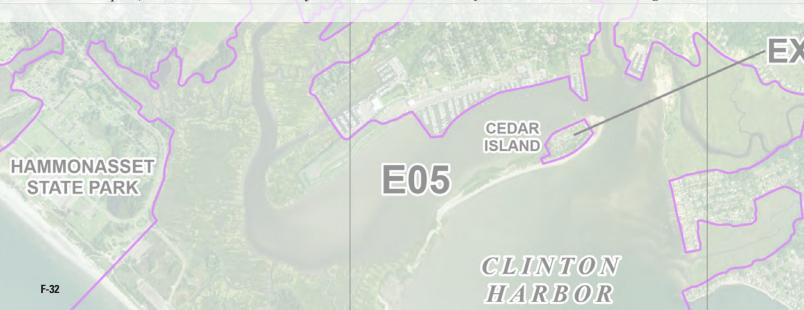
The Service was first contacted in 2013 by the owner of the Cedar Island Marina property on Riverside Drive in Clinton, Connecticut, who sought the removal from CBRS Unit E05P of the existing marina basin and an undeveloped upland portion of the property (which is currently being used as a dredge disposal site for the marina). Following that first request, the Service was contacted by the office

of the member of Congress for this district on behalf of the property owner. The owner asserts that the portions of the property included within the CBRS are mapped inaccurately and therefore should be removed. The owner submitted the following points in support of that assertion:

- property ownership information from approximately 1945 to the present shows that the property is not and has never been held for conservation and/or recreation;
- the areas are "developed" according to CBRA's criteria;
- the upland area is topographically elevated out of the flood zone;
- the upland area was in use as a dredge disposal site before it was included within the CBRS; and
- the areas were recommended for deletion from the CBRS in the 1988 Report to Congress.

Service Findings

The Service has carefully assessed all of the information provided by the party indicated above as well as the materials that are typically reviewed as part of a technical correction assessment. The areas in question are currently located within Otherwise Protected Area (OPA) Unit E05P (which is recommended to be reclassified entirely to System Unit E05 with the exception of certain removals). The Service found that the existing marina basin for Cedar Island Marina is appropriate for removal from the CBRS. However, the undeveloped upland portion of the marina property is appropriately included within the CBRS. Therefore, the Service recommends that the upland area remain within the CBRS. Because this area was not held for conservation and/or recreation when it was first included in 1990 within OPA Unit E05P, the Service also recommends that it be reclassified to System Unit E05. 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 E05.



Technical Correction Assessment for Cedar Island Marina Property on Riverside Drive in CBRS Units E05/E05P

(continued)

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.² 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).

Cedar Island Marina - Marina Basin

The Service reviewed historical aerial imagery of the marina property and found that the buildings and marina basin docks that are on the ground today were for the most part already constructed when the area was first included in 1990 within the CBRS. Based on CBRA's criteria for an undeveloped coastal barrier as well as guiding principles and objective mapping protocols, large marinas are generally excluded from the CBRS.³ The Service recommends that the marina basin be removed from the CBRS because of the size of the marina and the level of development on the ground when this area was first included within the CBRS.

Cedar Island Marina - Undeveloped Upland Portion

The Service's review of the undeveloped upland portion of the Cedar Island Marina property found that the area was first included in 1990 within an OPA of the CBRS. OPAs are predominantly comprised of conservation and/or recreation areas such as national wildlife refuges, state and national parks, and local and private conservation areas, though they may also contain private areas not held for conservation and/or recreation. The Service established (based on Town of Clinton property records provided by the marina owner) that in 1990 the marina property was privately owned and at no time has the property been held for conservation and/or recreation.

Density of Development: The Service's review of historical aerial imagery found that there were no structures present on the ground when the upland portion of the property was first included within the CBRS (and this portion of the property remains undeveloped in 2020). Therefore, the density of development is not a factor.

Level of Infrastructure: The Service did not consider the level of infrastructure that was on the ground in this area because the density threshold was not exceeded. The intent of the infrastructure criterion is to exclude from the CBRS areas where there is intensive private capitalization for development that is underway (e.g., a subdivision funded by a developer that is under construction). Therefore, the Service only conducts infrastructure assessments in cases where the density threshold would have been exceeded had the construction of the associated structures been fully completed (or would constitute a cluster of ten or more structures, which are generally excluded from the CBRS).

Intent of the CBRS Boundary: The Service also found that this upland portion of the property was not included within the CBRS as a result of an error in the underlying features that the CBRS boundary was intended to follow. The area is depicted with reasonable accuracy on the 1984 U.S. Geological Survey topographic quadrangle that was used as the base map for the October 24, 1990, CBRS map.

Elevations and Flood Hazards within CBRS Areas: Upland areas are commonly included within the

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Technical Correction Assessment for Cedar Island Marina Property on Riverside Drive in CBRS Units E05/E05P

(continued)

CBRS. There is substantial variation in physiographic characteristics among coastal barriers. However, the basic components of a coastal barrier are not just sandbars and wetlands, but also include a fastland component where structures are most likely to be built.⁴ Additionally, the Special Flood Hazard Areas (SFHAs) mapped on FEMA's Flood Insurance Rate Maps (FIRMs) are areas that have a one percent annual chance of flooding in a given year, and these areas are designated for flood insurance rating purposes. The FIRMs "do not provide a depiction of the overall flood risk that includes the impacts of more intense events." Areas that are not mapped within the SFHA may still be vulnerable to storm surge. There is generally no direct relationship between the SFHAs mapped on FEMA's FIRMs and the CBRS boundaries; areas are not required to be in an SFHA or have a history of flooding to be included within the CBRS. The CBRS also includes other dredge disposal sites, particularly along the Intracoastal Waterway, and CBRA's criteria for an undeveloped coastal barrier, guiding principles, and objective mapping protocols do not preclude these disposal sites from being included within the CBRS.

Recommendations in the 1988 Report to Congress: The 1988 Report to Congress was prepared in response to Section 10 in the 1982 CBRA, which required the Department of the Interior, in consultation with the States in which CBRS units are located, to prepare and submit a report to Congress containing:

- (1) recommendations for the conservation of fish, wildlife, and other natural resources of the CBRS;
- (2) recommendations for additions to, or deletions from, the CBRS, and for modifications to the boundaries of CBRS units;
- (3) a summary of the comments received from the Governors of the States, State coastal zone management agencies, other government officials, and the public regarding the CBRS; and
- (4) an analysis of the effects, if any, that general revenue sharing grants made under Section 102 of the State and Local Fiscal Assistance Amendments of 1972 have had on undeveloped coastal barriers.

In the 1988 Report to Congress, the Department recommended that undeveloped coastal barriers that were "otherwise protected" by a qualified organization be excluded from the CBRS. Existing Unit E05 and the proposed additions to that unit (which were identified in an earlier draft version of the report in 1987) were to be excluded from the CBRS in their entirety because it was thought that the area was protected by the State of Connecticut. Through the Coastal Barrier Improvement Act (CBIA) in 1990, Congress chose to enact some but not all of the policy and mapping recommendations in the

CT-11

1988 Report to Congress. Congress created "otherwise protected areas" as a new type of CBRS unit through the CBIA despite the Department's original recommendation that areas that are already protected (e.g., parks and conservation areas) not be included within the CBRS. The CBRS map for Units E05/E05P adopted by the 1990 legislation added the upland portion of the marina property as an OPA in addition to areas within Hammonasset State Park and privately owned wetlands. On November 15, 1993, portions of Unit E05P were reclassified from its original Otherwise Protected Area (OPA) designation and incorporated within System Unit E05 based upon a request from the State of Connecticut. The 1993 reclassification was made in accordance with Section 4 of Pub. L. 101-591, which allowed, upon request, the voluntary addition to the CBRS of areas owned or held by local governments, states, or qualified organizations (either to an existing unit or as a new unit). However, the portion of Unit E05P in private ownership remained classified as OPA because of the limited scope of what could be administratively changed under Section 4.

The Service recommends that the undeveloped upland portion of the marina property remain within the CBRS because it met CBRA's criteria for an undeveloped coastal barrier at the time that it was added. However, since this area was not held for conservation and/or recreation when it was first included in 1990 within OPA Unit E05P and the main barrier feature is within System Unit E05, the Service also recommends that the upland portion of the marina be reclassified to Unit E05.

- 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).
- ² Coastal Barrier Resources, U.S. Code 16 (2018), § 3503(g)(1).
- ³ U.S. Fish and Wildlife Service, Final Report to Congress: John H. Chafee Coastal Barrier Resources System Digital Mapping Pilot Project (Washington, D.C., 2016), 24.
- ⁴ Department of the Interior, "Federal Flood Insurance Prohibition for Undeveloped Coastal Barriers; Proposed Identification," Federal Register 47, no. 158 (August 16, 1982): 35696.
- Federal Emergency Management Agency, U.S. Army Corps of Engineers, and National Oceanic and Atmospheric Administration, "Two Coastal Flood Maps: Flood Insurance Rate Maps vs. Storm Surge Inundation Maps," accessed April 21, 2021, https://www.iwr.usace.army.mil/Portals/70/docs/frmp/FRMP%20Summer%202014/CoastalFlood-MapsFactsheet Final.pdf.
- According to the National Oceanic and Atmospheric Administration (NOAA), storm surge is an abnormal rise in seawater level generated by a storm, over and above the normal predicted astronomical tide; is caused primarily by the strong winds of a storm pushing a huge volume of water onto the shore; and can penetrate many miles inland. Storm surge is a complex phenomenon, and its severity is affected by the storm's intensity, the forward speed and size of the storm, the angle of its approach to the coast, atmospheric pressure, the slope of the ocean bottom, and the shape and characteristics of coastal features such as bays and estuaries. NOAA, "What is storm surge?" National Ocean Service website, last modified February 26, 2021, accessed April 13, 2021, https://oceanservice.noaa.gov/

STATE PARK

facts/stormsurge-stormtide.html.

John H. Chafee Coastal Barrier Resources System (CBRS) Unit CT-10, Toms Creek, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New Haven

Congressional District: 2

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

■ Map <u>088A</u> dated October 15, 1992

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

 Draft map <u>09-005A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

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

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

Federal Register notice
 (58 FR 60288) published on

 November 15, 1993, in accordance with Section 4 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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-10 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-10 between proposed and final recommended.

Final Recommended Changes:

The final recommended changes to Unit CT-10 are described below.

Recommended Additions:

 Portions of Hammonasset Beach State Park (owned by the Connecticut Department of Energy and Environmental Protection (CT DEEP))

 $Other\ Modifications/Information:$

 Portions of Hammonasset Beach State Park are both currently within and recommended for addition to System Unit CT-10. The CT DEEP concurred with classifying these areas as System Unit rather than Otherwise Protected Area.

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 CBRS Unit CT-10, Toms Creek, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	99	27	72	0.3	
Added to the CBRS	13	3	10		0
Removed from the CBRS			0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	112	30	82	0.3	
Net Change	13	3	10	0.0	0

¹ Land above mean high tide.

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.

³ 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)).

⁴ 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 CT-11, Seaview Beach, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New Haven

Congressional District: 2

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

■ Map 088A dated October 15, 1992

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

 Draft map <u>09-005A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

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

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

Federal Register notice (58 FR 60288) published on November 15, 1993, in accordance with Section 4 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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-11 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-11 between proposed and final recommended.

Final Recommended Changes: The final recommended changes to Unit CT-11 are described as follows.

Recommended Removals:

 Two structures and adjacent fastland at the end of Fence Creek Drive

Recommended Additions:

- Small areas of wetlands, located along Fence Creek
- Minor areas of wetlands (owned by the Madison Land Conservation Trust), located along Fence Creek

Other Modifications/Information:

 Areas that are owned by Madison Land Conservation Trust and held for conservation and/or recreation are currently located within System Unit CT-11. These areas were acquired for conservation and/or recreation both prior to and after the inclusion of the areas within the CBRS in 1990. During the stakeholder outreach phase of the project, the Service received a response from the Madison Land Conservation Trust indicating that it is not interested in pursuing additional protections. No changes have been made to the CBRS unit classification of these areas; however, minor areas of wetlands owned by the Trust are recommended for addition.

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 CBRS Unit CT-11, Seaview Beach, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	39	8	31	0.3	
Added to the CBRS	1	0	1		0
Removed from the CBRS	1	1	0		2
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	39	7	32	0.3	
Net Change	0	(1)	1	0.0	(2)

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-19P, Guilford Harbor, Connecticut

Summary of Final Recommended Changes

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

County: New Haven

Congressional District: 2, 3

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

 Draft map <u>09-006A</u> dated December 18, 2020

Base Map Imagery Source and

Date: United States Department of Agriculture, National Agriculture Imagery Program, 2018

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 CT-19P.

Changes between Proposed and Final Recommended Boundaries:

The changes to Unit CT-19P between proposed and final recommended are described below:

- The landward boundary of the unit has been modified to included additional areas of undeveloped fastland and associated aquatic habitat along the West River up to the railroad
- The name of recommended new Unit CT-19P is changed from "East River Marsh" to "Guilford Harbor" to correctly identify the underlying feature

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

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

- West River Marsh Wildlife Area and portions of East River Marsh Wildlife Management Area (owned by the Connecticut Department of Energy and Environmental Protection)
- Portions of Grass Island (including one park structure), Jacobs Beach, Chittenden Park, Chaffinch Island Park, and areas held for conser-

- vation and/or recreation along the north side of the East River across from Grass Island and off Seaside Avenue to the north of Jacobs Beach (all owned by the Town of Guilford)
- Areas owned by the Town of Madison and held for conservation and/or recreation, located along Garnet Park Road and at the western end of Neck Road
- Areas owned by the Guilford Land Conservation Trust, located in the vicinity of West River Marsh Wildlife Area, Chaffinch Island Park, Chittenden Park, and Grass Island
- Wetlands that are held for conservation and/or recreation (owned by the Madison Land Conservation Trust), located along the East River, the Neck River, and Bailey Creek
- One privately owned shed located north of Circle Beach Road
- Areas of associated aquatic habitat that are both privately and publicly owned and not held for conservation and/or recreation, located along Guilford Harbor, the East River, the West River, the Neck River, and Bailey Creek

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 CBRS Unit CT-19P, Guilford Harbor, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	0	0	0	0.0	
Added to the CBRS	967	27	940		2
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	967	27	940	2.0	
Net Change	967	27	940	2.0	2

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-12, Lindsey Cove, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New Haven

Congressional District: 3

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

■ Map <u>089</u> dated October 24, 1990

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

 Draft map <u>09-007A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018 **Establishment of Unit: The**

Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit CT-12.

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 Sustem Hurricane Sandy Remapping *Project.* All of the comments received during the comment period are reprinted in appendix L.

No comments specific to Unit CT-12 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-12 between proposed and final recommended.

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

Recommended Additions:

- The eastern side of Lindsey Cove and adjacent wetlands (including a minor portion of Parker Memorial Park owned by the Town of Branford)
- Wetlands adjacent to Lindsey Cove along the western side of the unit

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 CBRS Unit CT-12, Lindsey Cove, Connecticut

	TotalAcres	$Fastland\ Acres^1$	Associated Aquatic Habitat Acres ²	Shoreline (Miles)	$Structures^3$
Existing Unit	5	2	3	0.3	
Added to the CBRS	3	1	2		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	8	3	5	0.5	
Net Change	3	1	2	0.2	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-13, Kelsey Island, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New Haven

Congressional District: 3

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

■ Map <u>089</u> dated October 24, 1990

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

 Draft map <u>09-007A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018 Establishment of Unit: The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit CT-13.

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-13 were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-13 between proposed and final recommended.

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

Recommended Removals:

 One structure located on Kelsey Island

Recommended Additions:

 Small areas of wetlands on Kelsey Island along the east and west sides of the unit

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 CBRS Unit CT-13, Kelsey Island, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	29	1	28	0.3	
Added to the CBRS	2	0	2		0
Removed from the CBRS	0	0	0		1
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	31	1	30	0.4	
Net Change	2	0	2	0.1	(1)

¹ Land above mean high tide.

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.

³ 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)).

⁴ 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 CT-14P, Nathan Hale Park, Connecticut

Summary of Final Recommended Changes

Type of Unit: Otherwise Protected Area (OPA)

County: New Haven

Congressional District: 3

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

Map <u>090</u> dated October 24, 1990

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

 Draft map <u>09-007A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018 Establishment of Unit: The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit CT-14P.

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-14P were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-14P between proposed and final recommended.

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

Recommended Removals:

 A small developed portion of the New Haven Armed Forces Reserve Center (owned by the U.S. Government)

Recommended Additions:

- Portions of Fort Nathan Hale Park (owned by the State of Connecticut and managed by the City of New Haven)
- A minor area of wetlands in the western undeveloped portion of the New Haven Armed Forces Reserve Center

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 CBRS Unit CT-14P, Nathan Hale Park, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	8	4	4	0.3	
Added to the CBRS	4	1	3		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	12	5	7	0.3	
Net Change	4	1	3	0.0	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-15P, Morse Park, Connecticut

Summary of Final Recommended Changes

Type of Unit: Otherwise Protected Area (OPA)

County: New Haven

Congressional District: 3

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

■ Map <u>090</u> dated October 24, 1990

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

 Draft map <u>09-007A</u> dated December 18, 2020

Base Map Imagery Source and Date: United States Department of Agriculture, National Agriculture Imagery Program, 2018

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

November 16, 1990 (56 FR 26304), originally established Unit CT-15P.

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-15P were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-15P between proposed and final recommended.

Final Recommended Changes:

The final recommended changes to Unit CT-15P are described as follows.

Recommended Removals:

Six structures along Blohm Street

Recommended Additions:

- A portion of Sandy Point (owned by the City of West Haven and held for conservation and/or recreation) that has migrated north outside the unit
- A small area owned by the City of West Haven and held for conservation and/or recreation, located south of the wastewater treatment facility

Other Modifications/Information:

• Undeveloped fastland and wetlands that are privately owned and not held for conservation and/or recreation are currently located within OPA Unit CT-15P along Old Field Creek. These areas are not recommended for reclassification to a System Unit because the coastal barrier system is predominantly 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 CT-15P, Morse Park, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	143	40	103	1.1	
Added to the CBRS	27	1	26		0
Removed from the CBRS	2	2	0		6
Reclassified Area 4	0	0	0		0
Final Recommended Unit	168	39	129	1.4	
Net Change	25	(1)	26	0.3	(6)

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 CT-21P, Silver Sands, Connecticut

Summary of Final Recommended Changes

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

County: New Haven

Congressional District: 3

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

 Draft map <u>09-008A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 CT-21P.

Changes between Proposed and Final Recommended Boundaries: This recommended new unit has been created in response to a comment received during the public comment period. The areas now recommended for addition within new OPA Unit CT-21P were not previously proposed for addition to the CBRS.

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

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

- Charles Island and portions of Silver Sands State Park (owned by the Connecticut Department of Energy and Environmental Protection), including two park structures
- Minor areas of wetlands that are both privately and publicly owned and not held for conservation and/ or recreation, located along Great Creek

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 CBRS Unit CT-21P, Silver Sands, Connecticut

	$Total\ Acres$	$Fastland\ Acres^1$	$Associated\ Aquatic\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	0	0	0	0.0	
Added to the CBRS	379	144	235		2
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	379	144	235	1.6	
Net Change	379	144	235	1.6	2

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 E07, Milford Point, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: New Haven, Fairfield

Congressional District: 3

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

Map <u>091A</u> dated October 15, 1992

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

Draft map <u>09-009A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E07.

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

- Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)
- Federal Register notice
 (58 FR 60288) published on
 November 15, 1993, in accordance
 with Section 4 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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 E07.

Changes between Proposed and Final Recommended Boundaries:

The changes to Unit E07 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 E07 are described below.

Recommended Removals:

- A small area of fastland including one structure at the western end of Bray Avenue
- A small area of fastland including two structures at the western end of Sunset Avenue and two structures at the western end of Kay Avenue
- One structure along Milford Point Road, located near The Connecticut Audubon Society's Coastal Center at Milford Point
- One structure and a small area of fastland located along Milford Point Road
- Fourteen structures on Smiths
 Point Road, located south of The
 Connecticut Audubon Society's
 Coastal Center at Milford Point.
 This area is currently within
 Otherwise Protected Area (OPA)
 Unit E07P (the remainder of which
 is recommended to be reclassified
 entirely to System Unit E07).

Recommended Additions:

 Portions of a beach and wetlands located on the Long Island Sound shoreline along the northern boundary of the unit (including a minor portion of the Smith-Hubbell Wildlife Refuge and Bird Sanctuary and the Coastal Center at Milford, which are owned by the Connecticut Department of Energy

- and Environmental Protection (CT DEEP) and managed by The Connecticut Audubon Society)
- Wetlands and small areas of undeveloped fastland along Beaver Brook south of Naugatuck Avenue
- Goose Island (owned by the CT DEEP) and part of the Charles
 E. Wheeler Wildlife Management
 Area, located in the Housatonic
 River
- Portions of the Housatonic River and adjacent wetlands along the Town of Stratford shoreline
- Undeveloped fastland and wetlands on Stratford Point near the mouth of the Housatonic River

Recommended Reclassifications:

From OPA Unit E07P to System Unit E07: The entireties of the two segments of adjacent OPA Unit E07P (except for the removal noted above) are recommended for reclassification to existing System Unit E07. One of the segments consists of undeveloped fastland, wetlands, and beach that are not held for conservation and/or recreation, located along Smiths Point Road. The other segment consists of wetlands along the Housatonic River that are not held for conservation and/or recreation, including one outbuilding structure located along Housatonic Drive. There is no separate unit summary for OPA Unit E07P.

$Other\ Modifications/Information:$

- Most of the Charles E. Wheeler Wildlife Management Area (owned by CT DEEP) is currently within System Unit E07. The CT DEEP concurred with classifying these areas as System Unit rather than OPA.
- The Smith-Hubbell Wildlife Refuge and Bird Sanctuary and the Coastal Center at Milford (both properties owned by the CT DEEP and managed by The Connecticut Audubon Society) are both currently within and recommended for addition to System Unit E07. The CT DEEP concurred with classifying these areas as System Unit rather than OPA. The areas that are recommended for addition are minor.

- Minor areas owned by the Milford Land Conservation Trust are currently located within System Unit E07. These areas are not recommended for reclassification to an OPA.
- The Milford Point Unit of the Stewart B. McKinney National Wildlife Refuge (owned by the Service) is currently located within System Unit E07. This area is not recommended for reclassification

to an OPA because it was not held for conservation and/or recreation when it was first included in 1982 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.

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 former Unit E07P. The assessment can be found on page F-45 in appendix F of the 2022 Report to Congress: John H. Chafee Coastal Barrier Resources System Hurricane Sandy Remapping Project.

Acreage, Shoreline, and Structure Information for CBRS Unit E07, Milford Point, Connecticut

	$Total\ Acres$	Fastland $Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	1,005	32	973	0.6	
Added to the CBRS	204	22	182		0
Removed from the CBRS	2	2	0		7
Reclassified Area 4	36	3	33		1
Final Recommended Unit	1,243	55	1,188	1.5	
Net Change	238	23	215	0.9	(6)

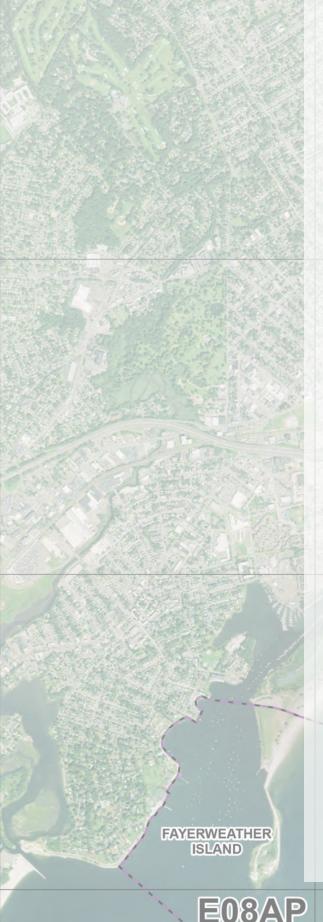
¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 Smiths Point Road in CBRS Unit E07P



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,¹ 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 contacted in April 2019 about the area of privately owned properties on Smiths Point Road (located south of the Connecticut Audubon Society Coastal Center at Milford Point) in Milford through public comments submitted by the Connecticut Department of Energy and Environmental Protection (CT DEEP) and Audubon Connecticut for the Hurricane Sandy Remapping Project. The structures on these properties were proposed for removal from Otherwise Protected Area (OPA) Unit E07P. Both the CT DEEP and Audubon Connecticut believe that because the larger Milford Point ecological area is one of the most valuable tidal wetlands in the State, the cluster of structures on Smiths Point Road should remain within the CBRS regardless of the exclusion rule cited for their removal. The CT DEEP asserts that when the area is taken as a whole, it contains few manmade structures. The CT DEEP also recommends that the structures be reclassified to System Unit E07 since they are not held for conservation and/or recreation.

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's review of the privately owned properties along Smiths Point Road in Milford found that the 14 structures on these properties are appropriate for removal from the CBRS. The structures are currently within Unit E07P (which is recommended to be reclassified entirely to Unit E07 with the exception of the removals). 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 E07.

Technical Correction Assessment for Properties on Smiths Point Road in CBRS Unit E07P (continued)

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. 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).

Density of Development and Level of Infrastructure:

A review of historical aerial imagery indicates that the area of concern on Smiths Point Road contained 14 structures on the ground prior to the establishment of OPA Unit E07P. The Service considered the density of development that existed on the ground in 1990 when the unit was first designated. At that time, Unit E07P comprised approximately 28 acres of fastland and contained 20 total structures (including those on Smiths Point Road and six others). Therefore, the density of development on the ground was one structure per 1.4 acres of fastland, which exceeded the statutory density threshold. Because the density threshold was exceeded and there was a cluster of ten or more closely-related structures in this area prior to its inclusion within the CBRS (with the impact of the development confined primarily to the fastland on which the structures are located), the Service recommends that the 14 structures on Smiths Point Road be removed from the CBRS. Five of the six other structures within the unit that were on the ground in 1990 are also recommended for removal from the CBRS. Since the development was already on the ground and the density threshold was exceeded, a review of infrastructure was therefore not needed.

Intent of the CBRS Boundary: The area where the 14 structures are located was first included in 1990 within the CBRS as OPA Unit E07P. On the 1984 U.S. Geological Survey topographic quadrangle that was used as the base map for the October 24, 1990, CBRS map, the area of concern was depicted with reasonable accuracy as a developed area containing 10 building footprints. The Service's background records also seem to indicate that we were aware of these structures in 1982 when the adjacent area was first added to Unit E07; however, it is unclear why these same structures were added to Unit E07P in 1990 when CBRA was reauthorized and expanded.³ It is possible that the intent was to include this area within the CBRS in spite of the cluster of structures and the density criteria. However, because the historical records for this unit are silent concerning that intent and the area does not meet CBRA's criteria for an undeveloped coastal barrier, we continue to recommend that the 14 structures along Smiths Point Road be removed from the CBRS.



¹ 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).

² Coastal Barrier Resources, U.S. Code 16 (2018), § 3503(g)(1).

³ In 1993, all of the State-owned protected areas in OPA Unit E07P were reclassified to System Unit E07 at the request of the State; however, the *Federal Register* notice (58 FR 60288) for this revision stated that the areas in private ownership would remain within OPA Unit E07P. This was likely because the Service had limitations on what it could change administratively during this revision.

John H. Chafee Coastal Barrier Resources System (CBRS) Unit CT-18P, Long Beach, Connecticut

Summary of Final Recommended Changes

Type of Unit: Otherwise Protected Area (OPA)

County: Fairfield

Congressional District: 3, 4

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

■ Map <u>092</u> dated October 24, 1990

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

 Draft map <u>09-009A</u> dated December 18, 2020

Base Map Imagery Source and Date: United States Department of Agriculture National Agriculture

Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit CT-18P.

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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 CT-18P.

Changes between Proposed and Final Recommended Boundaries: The changes to Unit CT-18P between proposed and final recommended are described below:

 The landward boundary of the unit has been modified to include additional areas of wetlands and minor areas of undeveloped fastland located north of Lordship Boulevard Final Recommended Changes: The final recommended changes to Unit CT-18P are described below.

Recommended Additions:

- Portions of Bridgeport Harbor and Lewis Gut
- Portions of Pleasure Beach Park (owned by the City of Bridgeport), including two park-related structures and two structures associated with the radio towers on the property
- Portions of the Great Meadows
 Unit of the Stewart B. McKinney
 National Wildlife Refuge (owned by
 the Service)
- A small portion of Long Beach (owned by the Town of Stratford and held for conservation and/or recreation)
- Areas of wetlands and minor areas of fastland that are publicly owned and not held for conservation and/ or recreation, located north of Lordship Boulevard

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 CBRS Unit CT-18P, Long Beach, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	662	80	582	2.1	
Added to the CBRS	544	103	441		4
Removed from the CBRS	0	0	0		0
Reclassified Area 4	0	0	0		0
Final Recommended Unit	1,206	183	1,023	2.6	
Net Change	544	103	441	0.5	4

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 E08AP, Fayerweather Island, Connecticut

Summary of Final Recommended Changes

Type of Unit: Otherwise Protected Area (OPA)

County: Fairfield

Congressional District: 4

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

■ Map <u>092</u> dated October 24, 1990

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

 Draft map <u>09-009A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388),

originally established this unit as System Unit E08A.

 Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit E08AP were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit E08AP between proposed and final recommended.

Final Recommended Changes: The final recommended changes to Unit E08AP are described below.

Recommended Additions:

- Portions of Black Rock Harbor
- Portions of Seaside Park (owned by the City of Bridgeport)

 $Recommended\ Reclassifications:$

From System Unit E08A to recommended new OPA Unit E08AP: The entirety of existing System Unit E08A, which consists of Faverweather Island (owned by the City of Bridgeport and held for conservation and/or recreation) and portions of Black Rock Harbor and Long Island Sound, is recommended for reclassification to recommended OPA Unit E08AP because the coastal barrier system is predominantly held for conservation and/or recreation. There is no separate unit summary for Unit E08A.

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 CBRS Unit E08AP, Fayerweather Island, Connecticut

	$Total\ Acres$	$Fastland\ Acres^{1}$	$Associated\ Aquatic\ Habitat\ Acres^2$	$Shoreline\ (Miles)$	$Structures^3$
Existing Unit	0	0	0	0.0	
Added to the CBRS	157	14	143		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	92	13	79		0
Final Recommended Unit	249	27	222	1.1	
Net Change	249	27	222	1.1	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 E09, Norwalk Islands, Connecticut

Summary of Final Recommended Changes

Type of Unit: System Unit

County: Fairfield

Congressional District: 4

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

■ Map <u>093</u> dated October 24, 1990

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

 Draft map <u>09-010A</u> dated December 18, 2020

Base Map Imagery Source and Date:

United States Department of Agriculture, National Agriculture Imagery Program, 2018

Establishment of Unit: The Coastal Barrier Resources Act (Pub. L. 97-348), enacted on October 18, 1982 (47 FR 52388), originally established Unit E09.

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

by the following legislative and/or administrative action:

 Coastal Barrier Improvement Act (Pub. L. 101-591) enacted on November 16, 1990 (56 FR 26304)

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit E09 were received.

Changes between Proposed and Final Recommended Boundaries:

There are no changes to Unit E09 between proposed and final recommended.

Final Recommended Changes:

There are no final recommended changes to this unit.

Other Modifications/Information:

- Most of the Norwalk Islands Unit of the Stewart B. McKinney National Wildlife Refuge (owned by the Service) is currently located within System Unit E09. These areas are not recommended for reclassification to an Otherwise Protected Area (OPA) because they were not held for conservation and/ or recreation when they were first included in 1982 within the CBRS.
- The Sheffield Island Lighthouse (owned by the Norwalk Seaport Association, a preservation organization) is currently located within System Unit E09. This area is not recommended for reclassification to an OPA because it was not held for conservation and/or recreation when it was first included in 1982 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 CBRS Unit E09, Norwalk Islands, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	1,083	93	990	3.3	
Added to the CBRS	0	0	0		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	1,083	93	990	3.3	
Net Change	0	0	0	0.0	0

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ 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 E09P, Norwalk Islands, Connecticut

Summary of Final Recommended Changes

Type of Unit: Otherwise Protected Area (OPA)

County: Fairfield

Congressional District: 4

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

■ Map <u>093</u> dated October 24, 1990

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

 Draft map <u>09-010A</u> dated December 18, 2020

Base Map Imagery Source and Date: United States Department of Agriculture, National Agriculture Imagery Program, 2018 Establishment of Unit: The Coastal Barrier Improvement Act (Pub. L. 101-591), enacted on November 16, 1990 (56 FR 26304), originally established Unit E09P.

Historical Changes: There have been no changes to the CBRS map for this unit since its establishment.

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit E09P were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit E09P between proposed and final recommended.

Final Recommended Changes: The final recommended changes to Unit E09P are described below.

Recommended Additions:

- Grassy Island (owned by the City of Norwalk and held for conservation and/or recreation), located northeast of Chimon Island
- Shoals located northwest of Cockenoe Island
- Portions of Cockenoe Harbor

Other Modifications/Information:

 Small islands that are privately owned and not held for conservation and/or recreation are currently within OPA Unit E09P. These minor areas are not recommended for reclassification to a System Unit.

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 CBRS Unit E09P, Norwalk Islands, Connecticut

	TotalAcres	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	729	48	681	2.3	
Added to the CBRS	423	2	421		0
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	1,152	50	1,102	2.3	
Net Change	423	2	421	0.0	0

¹ Land above mean high tide.

² 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.

³ 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)).

 $^{^4}$ 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 CT-20P, Calf Islands, Connecticut

Summary of Final Recommended Changes

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

County: Fairfield

Congressional District: 4

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

 Draft map <u>09-011A</u> dated December 18, 2020

Base Map Imagery Source and Date: United States Department of Agriculture, National Agriculture Imagery Program, 2018

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 December 18, 2018, through April 17, 2019 (83 FR 64861). 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.

No comments specific to Unit CT-20P were received.

Changes between Proposed and Final Recommended Boundaries: There are no changes to Unit CT-20P between proposed and final recommended.

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

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

- Calf Island (owned by the Service), which is a unit within the Stewart B. McKinney National Wildlife Refuge, and one associated structure
- Shell Island (owned by the Greenwich Land Trust, a conservation organization), including the Shell Island Tower
- Bowers Island (a minor area 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 CBRS Unit CT-20P, Calf Islands, Connecticut

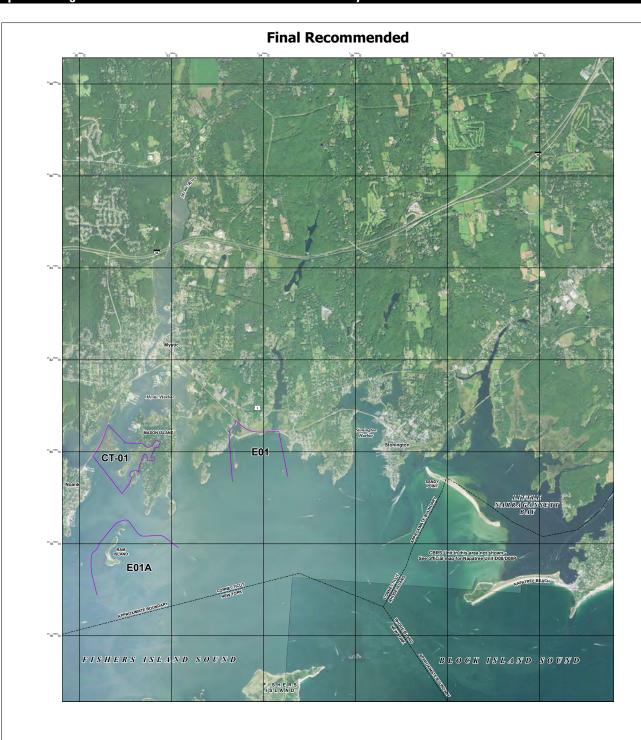
	$Total\ Acres$	$Fastland\ Acres^1$	$Associated\ Aquatic \\ Habitat\ Acres^2$	Shoreline (Miles)	$Structures^3$
Existing Unit	0	0	0	0.0	
Added to the CBRS	263	19	244		2
Removed from the CBRS	0	0	0		0
Reclassified Area ⁴	0	0	0		0
Final Recommended Unit	263	19	244	0.8	
Net Change	263	19	244	0.8	2

¹ Land above mean high tide.

² 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.

³ 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)).

⁴ Reclassification means to change either all or a portion of a System Unit to an Otherwise Protected Area, or vice-versa.



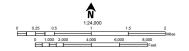
This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-226).

The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshor 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

or CBRS, please visit www.fws.gov/cbra.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Wilcox Beach Unit E01 Ram Island Unit E01A Mason Island Unit CT-01



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

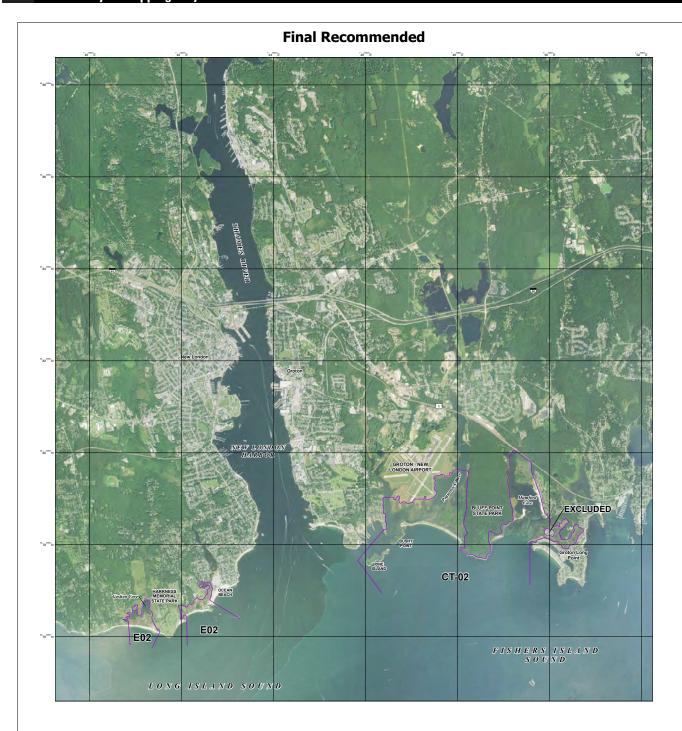
 $^{_{36}}\mathrm{54^{000m}N}$ $\,$ 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2018

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

Coordinate System: North American Datum 1983 Universal Transverse Mercator Zone 19 North

Draft Map: 09-001A Map Date: December 18, 2020



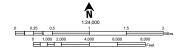
This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of

The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshor 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 shorelline, whichever is nearen the coastal barrier.

For additional information about the Coastal Barrier Resources Act

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Bluff Point Unit CT-02 Goshen Cove Unit E02



Final Recommended System Unit Roundary

Final Recommended Otherwise Protected Area (OPA)
 Boundary; OPAs are identified on the map by the letter
 "P" following the unit number

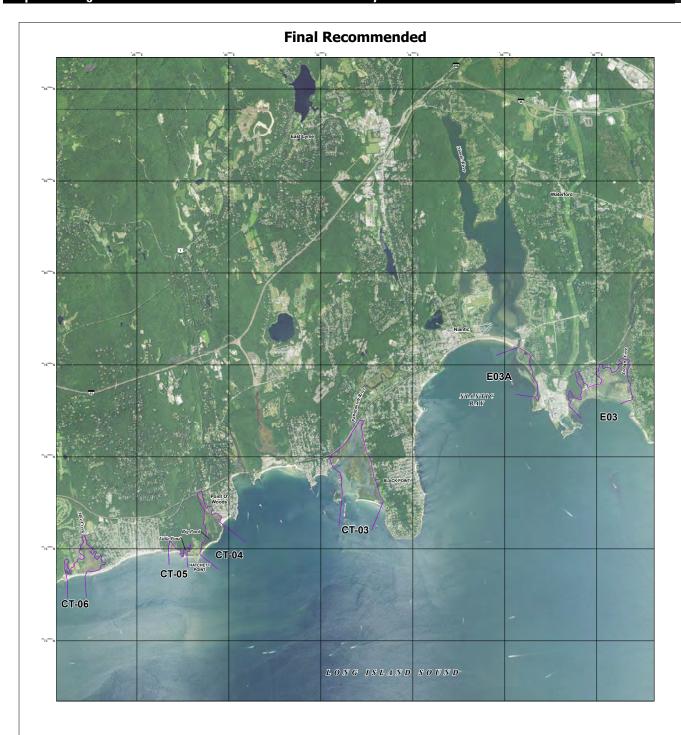
- · - · - Approximate State Boundary

Imagery Date(s): 2018

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

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

Draft Map: 09-002A Map Date: December 18, 2020



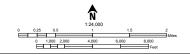
This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John Chaflee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of Coastal Lance (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of Coastal Lance (CBRS) as the Coastal Barrier Resources Reauthorization Act of Coastal Lance (CBRS) as the Coastal Barrier Resources Reauthorization Act of Coastal Lance (CBRS) as the Coastal Barrier Resources Reauthorization Act of CBRS (CBRS) and CBRS (C

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For additional information about the Coastal Barrier Resources Act

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Jordan Cove Unit E03, Niantic Bay Unit E03A
Old Black Point Unit CT-03, Hatchett Point Unit CT-04
Little Pond Unit CT-05, Mile Creek Unit CT-06



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

 $^{36}54^{000m}N - 2000\text{-meter Universal Transverse Mercator grid values}$

Imagery Date(s): 2018

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

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

Draft Map: 09-003A Map Date: December 18, 2020



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 Lew 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 ine 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.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Griswold Point Unit CT-07 Lynde Point Unit E03B Cold Spring Brook Unit CT-08



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

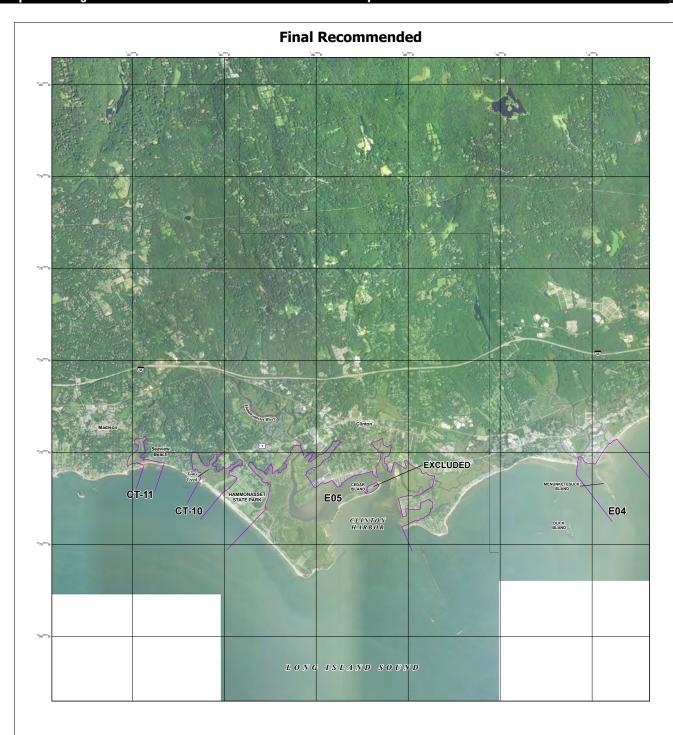
 $^{36}54^{900m}N \quad \, \, 2000\text{-meter Universal Transverse Mercator grid values}$

Imagery Date(s): 2018

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

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

Draft Map: 09-004A Map Date: December 18, 2020



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For additional information about the Coastal Barrier Resources Act or CBRS, please visit www.fws.gov/cbra.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Menunketesuck Island Unit E04 Hammonasset Point Unit E05 Toms Creek Unit CT-10 Seaview Beach Unit CT-11



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

 $^{36}54^{000\pi}N$ $\,$ 2000-meter Universal Transverse Mercator grid values

magery Date(s): 2018

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

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

Draft Map: 09-005A Map Date: December 18, 2020



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 b Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-296).

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 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.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Guilford Harbor Unit CT-19P



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

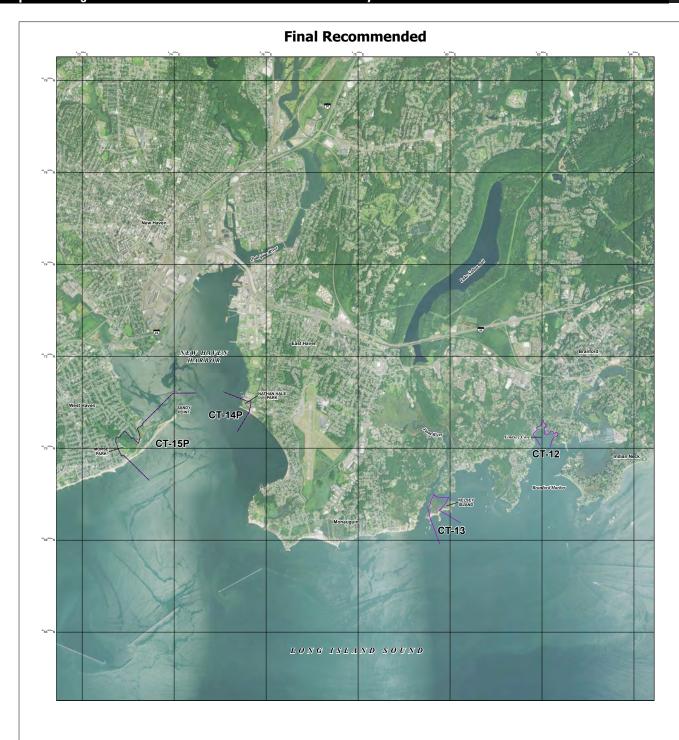
³⁶54^{600m}N 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2018

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

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

Draft Map: 09-006A Map Date: December 18, 2020



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 (CHSR) 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 line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

For additional information about the Coastal Barrier Resources Act

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Lindsey Cove Unit CT-12 Kelsey Island Unit CT-13 Nathan Hale Park Unit CT-14P Morse Park Unit CT-15P



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

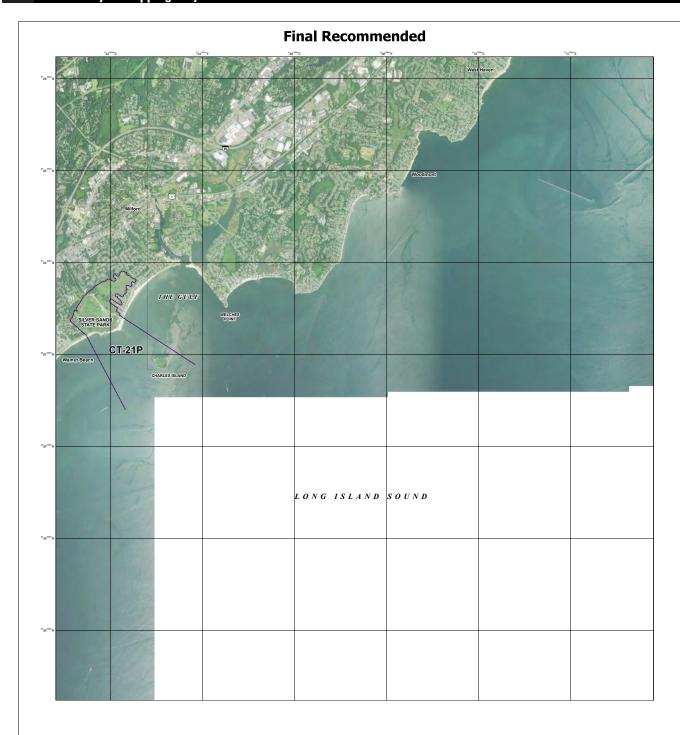
 $^{36} \rm 54^{005m} N$ $\,$ 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2018

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

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

Draft Map: 09-007A Map Date: December 18, 2020

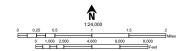


This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chafee Coastal Barrier Resources System (CRRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-226).

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 line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Silver Sands Unit CT-21P



Final Recommended Otherwise Protected Area (OPA)
Boundary; OPAs are identified on the map by the letter
"P" following the unit number

- · - · - Approximate State Boundary

2654 COOm N 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2018

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

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

Draft Map: 09-008A Map Date: December 18, 2020



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

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For additional information about the Coastal Barrier Resources Act or CBRS, please visit www.fws.gov/cbra.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Milford Point Unit E07 Long Beach Unit CT-18P Fayerweather Island Unit E08AP



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

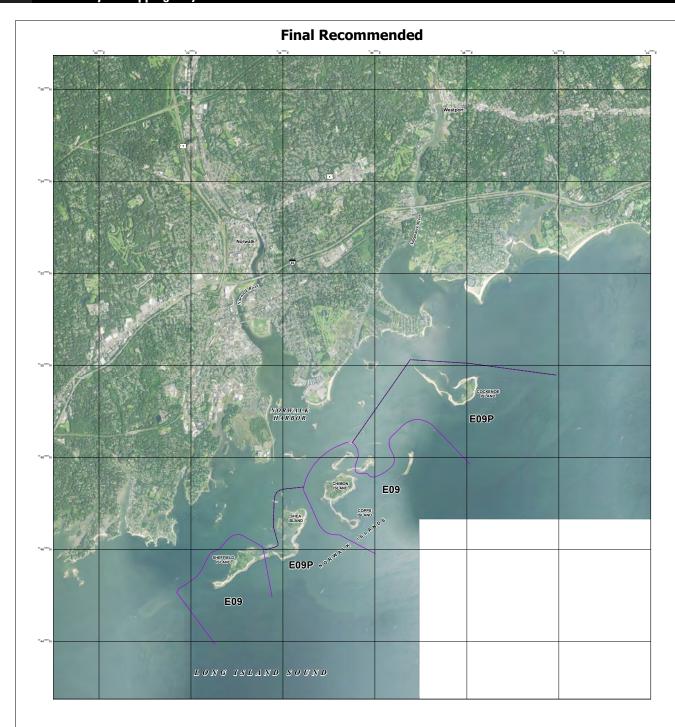
 $^{36}54^{600m}N$ 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2018

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

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

Draft Map: 09-009A Map Date: December 18, 2020



The seaward side of the CBRS unit includes the entire sand-sharing system, including the beach and nearshor 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 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.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Norwalk Islands Unit E09/E09P



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

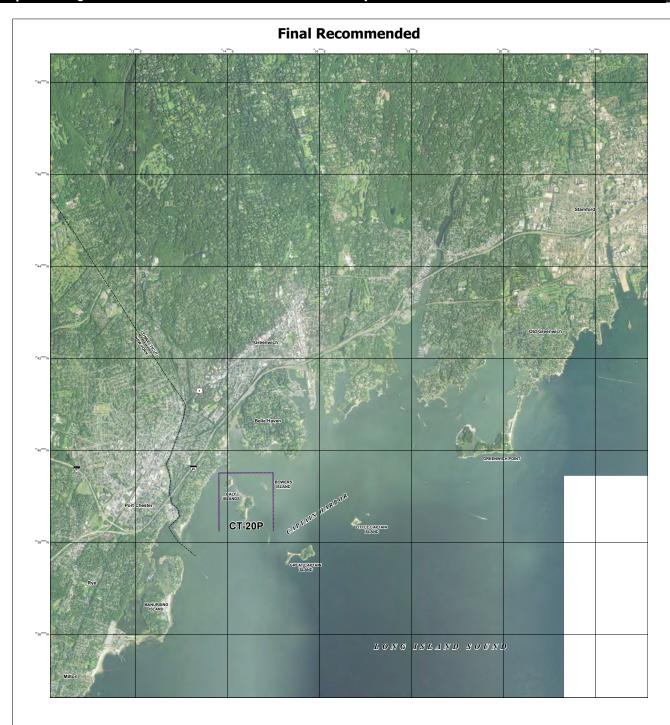
- · - · - Approximate State Boundary

Imagery Date(s): 2018

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

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

Draft Map: 09-010A Map Date: December 18, 2020



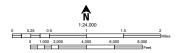
This draft map was produced by the U.S. Fish and Wildlife Service to show final recommended boundary changes to the John H. Chalee Coastal Barrier Resources System (CBRS) as directed by Section 4 of the Coastal Barrier Resources Reauthorization Act of 2005 (Public Law 109-226).

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

For additional information about the Coastal Barrier Resources Act or CBRS, please visit www.fws.gov/cbra.

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

Calf Islands Unit CT-20P



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

3654000mN 2000-meter Universal Transverse Mercator grid values

Imagery Date(s): 2017, 2018

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

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

Draft Map: 09-011A Map Date: December 18, 2020

U.S. Department of the Interior U.S. Fish & Wildlife Service

http://www.fws.gov

April 2022



