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Citation

Citation Information

Originator U.S. Fish and Wildlife Service

Publication Date 2020-02-14

Title

John H. Chafee Coastal Barrier Resources System Comprehensively Revised Boundaries (Recommended) – Units M06, M06P, M11, M12, M12P, SC-09P

Publication Information

Publication Place Falls Church, VA

Publisher U.S. Fish and Wildlife Service

Online Linkage <http://www.fws.gov/cbra>

Online Linkage <https://www.fws.gov/cbra/maps/draft-maps.html>

Description

Abstract

This data set was created by the U.S. Fish and Wildlife Service (Service) through the comprehensive remapping of four existing and two recommended new John H. Chafee Coastal Barrier Resources System (CBRS) units in Beaufort and Charleston Counties, South Carolina as directed by Section 4 of the 2006 Coastal Barrier Resources Reauthorization Act (CBRRA) (Pub. L. 109-226) to show recommended boundary changes to the CBRS. The boundaries depicted in this data set are NOT the current boundaries of the CBRS. The current official CBRS maps are available at: https://www.fws.gov/cbra/maps/index.html. The locations of the recommended CBRS boundaries are relative to features on the base map(s) and are most reliable when paired with the base map image(s) that they were digitized to. The base map imagery that was used was produced by the U.S. Department of Agriculture (USDA) National Agriculture Imagery Program (NAIP) (SC: 2019). The Service makes no claim regarding the recommended CBRS boundary locations relative to features on other base map sources (including more recent NAIP imagery), which may show homes, roads, and other features in slightly different positions. The Service is not responsible for any misuse or misinterpretation of this digital data set, including use of the boundaries to determine eligibility for Federal financial assistance such as Federal flood insurance. For any questions regarding these data, please contact the Service at CBRA@fws.gov. The data set complies with the National Spatial Data Infrastructure and other standards established by the Federal Geographic Data Committee.

Purpose

This data set was created to provide local users with the Service's recommended boundaries for six CBRS units in South Carolina.

Time Period of Content

Time Period Information

Single Date/Time

Calendar Date 2021-07-30

Currentness Reference

Publication date

Status

Progress Complete

Maintenance and Update Frequency As Needed

Spatial Domain

Bounding Coordinates

West Bounding Coordinate -80.653990

East Bounding Coordinate -79.842164

North Bounding Coordinate 32.759006

South Bounding Coordinate 32.232023

Keywords

Theme

Theme Keyword Thesaurus ISO 19115 Topic Category

Theme

Theme Keyword Thesaurus EPA GIS Keyword Thesaurus

Theme

Theme Keyword Thesaurus User

Theme Keyword CBIA

Theme Keyword CBRA

Theme Keyword CBRS

Theme Keyword CBRS Unit

Theme Keyword Coastal Barrier

Theme Keyword Coastal Barrier Improvement Act

Theme Keyword Coastal Barrier Resources Act

Theme Keyword Coastal Barrier Resources System

Theme Keyword Flood Insurance Prohibition

Theme Keyword John H. Chafee

Theme Keyword OPA

Theme Keyword Otherwise Protected Area

Place

Place Keyword Thesaurus None

Place Keyword South Carolina

Access Constraints

None. Please see 'Distribution Info' for details.

Use Constraints

None. Users are advised to read the data set's metadata thoroughly to understand appropriate use and data limitations.

Point of Contact

Contact Information

Contact Organization Primary

Contact Organization U.S. Fish and Wildlife Service

Contact Person Katie Niemi

Contact Position National Coastal Barriers Coordinator

Contact Address

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State or Province VA

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Contact Electronic Mail Address [CBRA@fws.gov](mailto:CBRA@fws.gov?subject=SC_Proposed_Polygons)

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[**Data Quality  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\1\arcE1C0\tmpDA3A.tmp.htm#ID0EFA)

Logical Consistency Report

Topological checks were conducted to ensure that no polygons overlap and that adjacent boundaries are coincident where appropriate.

Completeness Report

In most cases the seaward boundary of a CBRS unit is defined by the 30-foot bathymetric contour rather than a hard boundary depicted on the official source map. In these cases, the digital boundaries have been terminated by connecting the ends of the lateral boundaries on the seaward side. Therefore, the actual CBRS seaward boundary may extend farther offshore than is shown by the polygons. In large coastal embayments and the Great Lakes, the boundary is defined by the 20-foot bathymetric contour or a line approximately one mile seaward of the shoreline, whichever is nearer the coastal barrier.

Positional Accuracy

Horizontal Positional Accuracy

Horizontal Positional Accuracy Report

These polygons were created with Geographic Information Systems (GIS) technology using orthorectified aerial imagery (orthoimagery) as the base map. Many CBRS boundaries are drawn to have specific relationships to features (e.g. roads, wetland/upland breaks, shorelines), visible on the base map orthoimagery. Therefore, these polygons are most reliable when paired with the base map that they were digitized to, and may appear not to fit other images properly. Furthermore, CBRS boundaries inherit the spatial accuracy of the base map. For example, a common base map for CBRS mapping is from the USDA’s National Aerial Imagery Program (NAIP), which has horizontal accuracy of +/- 20 feet. Therefore, CBRS boundaries that use NAIP as a base map will have a spatial accuracy of no less than +/- 20 feet.

Vertical Positional Accuracy

Vertical Positional Accuracy Report

A formal accuracy assessment of the vertical positional information in the data set has either not been conducted, or is not applicable.

Lineage

Process Step

Process Description

Development of the data set by the agency / individuals identified in the 'Originator' element in the Identification Info section of the record.

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[**Spatial Reference  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\1\arcE1C0\tmpDA3A.tmp.htm#ID0EBA)

Horizontal Coordinate System Definition

Planar

Planar Coordinate Information

Planar Coordinate Encoding Method coordinate pair

Planar Distance Units meters

Geodetic Model

Horizontal Datum Name North American Datum of 1983

Ellipsoid Name Geodetic Reference System 1980

Semi-major Axis 6378137.000000

Denominator of Flattening Ratio 298.257222

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[**Entities and Attributes  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\1\arcE1C0\tmpDA3A.tmp.htm#/metadata/eainfo//text()[1])

Detailed Description

Entity Type

Entity Type Label Attribute Table

Entity Type Definition

Table containing attribute information associated with the data set

Entity Type Definition Source Producer defined

Attribute

Attribute Label FID

Attribute Definition

Internal feature number.

Attribute Definition Source Esri

Attribute Domain Values

Unrepresentable Domain

Sequential unique whole numbers that are automatically generated.

Attribute

Attribute Label SHAPE

Attribute Definition

Feature geometry.

Attribute Definition Source Esri

Attribute Domain Values

Unrepresentable Domain

Coordinates defining the features.

Attribute

Attribute Label SHAPE\_Leng

Attribute

Attribute Label SHAPE\_Area

Attribute Definition

Area of feature in internal units squared.

Attribute Definition Source Esri

Attribute Domain Values

Unrepresentable Domain

Positive real numbers that are automatically generated.

Attribute

Attribute Label Unit

Attribute Definition

Unique identifier for each individual CBRS unit.

Attribute Definition Source U.S. Fish and Wildlife Service

Attribute Domain Values

Unrepresentable Domain

Units designated in 1982 typically start with letters A (Maine), C (Massachusetts), D (Rhode Island), E (Connecticut), F (New York), H (Delaware), K (Virginia), L (North Carolina), M (South Carolina), N (Georgia), P (Florida), Q (Alabama), R (Mississippi), S (Louisiana), or T (Texas). Units designated in 1990 or later typically start with the two letter state abbreviation. The unit numbers for Otherwise Protected Areas end in “P”

Attribute

Attribute Label Name

Attribute Definition

The name of the unit.

Attribute Definition Source U.S. Fish and Wildlife Service

Attribute Domain Values

Unrepresentable Domain

The units are generally assigned names based on a prominent feature in the vicinity of the unit.

Attribute

Attribute Label Unit\_Type

Attribute Definition

CBRS units are one of two types: “System Units” and “Otherwise Protected Areas”

Attribute Definition Source U.S. Fish and Wildlife Service

Attribute Domain Values

Enumerated Domain

Enumerated Domain Value Otherwise Protected Area

Enumerated Domain Value Definition

The only Federal spending prohibition within OPAs is the prohibition on Federal flood insurance. The Unit Numbers for Otherwise Protected Areas end in “P”

Enumerated Domain Value Definition Source

Producer defined

Attribute Domain Values

Enumerated Domain

Enumerated Domain Value System Unit

Enumerated Domain Value Definition

Most new Federal expenditures and financial assistance, including Federal flood insurance, are prohibited within System Units.

Enumerated Domain Value Definition Source

Producer defined

Overview Description

Entity and Attribute Overview

This data set was created by the U.S. Fish and Wildlife Service (Service) through the comprehensive remapping of four existing and two recommended new John H. Chafee Coastal Barrier Resources System (CBRS) units in Beaufort and Charleston Counties, South Carolina as directed by Section 4 of the 2006 Coastal Barrier Resources Reauthorization Act (CBRRA) (Pub. L. 109-226) to show recommended boundary changes to the CBRS. The boundaries depicted in this data set are NOT the current boundaries of the CBRS. The current official CBRS maps are available at: https://www.fws.gov/cbra/maps/index.html. The locations of the recommended CBRS boundaries are relative to features on the base map(s) and are most reliable when paired with the base map image(s) that they were digitized to. The base map imagery that was used was produced by the U.S. Department of Agriculture (USDA) National Agriculture Imagery Program (NAIP) (SC: 2019). The Service makes no claim regarding the recommended CBRS boundary locations relative to features on other base map sources (including more recent NAIP imagery), which may show homes, roads, and other features in slightly different positions. The Service is not responsible for any misuse or misinterpretation of this digital data set, including use of the boundaries to determine eligibility for Federal financial assistance such as Federal flood insurance. For any questions regarding these data, please contact the Service at CBRA@fws.gov. The data set complies with the National Spatial Data Infrastructure and other standards established by the Federal Geographic Data Committee.

Entity and Attribute Detail Citation

The entity and attribute information was generated by the individual and/or agency identified as the originator of the data set. Please review the rest of the metadata record for additional details and information.

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[**Distribution Information  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\1\arcE1C0\tmpDA3A.tmp.htm#ID0EDA)

Distributor

Contact Information

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State or Province VA

Postal Code 22041

Contact Voice Telephone 703-358-2171

Contact Electronic Mail Address [CBRA@fws.gov](mailto:CBRA@fws.gov?subject=SC_Proposed_Polygons)

Resource Description Downloadable Data

Distribution Liability

Although these data and information have been processed successfully on a computer system at the U.S. Fish and Wildlife Service, no warranty expressed or implied is made regarding the accuracy or utility of the data and information on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. This disclaimer applies both to individual use of the data, and information, and aggregate use with other data and information. It is also strongly recommended that careful attention be paid to the contents of the metadata file associated with these data and information. The U.S. Fish and Wildlife Service shall not be held liable for improper or incorrect use of the data and information described and/or contained herein.

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[**Metadata Reference  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\1\arcE1C0\tmpDA3A.tmp.htm#ID0ECA)

Metadata Date 2020-12-31

Metadata Contact

Contact Information

Contact Organization Primary

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Contact Person Katie Niemi

Contact Position National Coastal Barriers Coordinator

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Metadata Standard Name FGDC Content Standard for Digital Geospatial Metadata

Metadata Standard Version FGDC-STD-001-1998

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