[FGDC Metadata (read-only) ▼►](file:///C:\\Users\\jzosh\\AppData\\Local\\Temp\\arcFBC7\\tmp4473.tmp.htm" \l "fgdcMetadata" \o "Content created in the 9.3.1 FGDC metadata editor, and managed with the USGS MP Metadata Translator tool. Upgrade to ArcGIS Metadata to manage this content here, in the Description tab.)

**[Identification  ▼►](file:///C:\\Users\\jzosh\\AppData\\Local\\Temp\\arcFBC7\\tmp4473.tmp.htm" \l "ID0EHA)**

Citation

Citation Information

Originator U.S. Fish and Wildlife Service

Publication Date 2016-07-07

Title

John H. Chafee Coastal Barrier Resources System Comprehensively Revised Coastal Barrier Resources System Boundaries (Proposed) – Units P30, P30P, P31, P31P

Geospatial Data Presentation Form Vector Digital Data Set (Polygon)

Description

Abstract

This data set was created by the U.S. Fish and Wildlife Service (Service) through the comprehensive remapping of 4 existing John H. Chafee Coastal Barrier Resources System (CBRS) units in Florida as directed by Section 4 of the 2006 Coastal Barrier Resources Reauthorization Act (CBRRA) (Pub. L. 109-226) to show proposed boundary changes to the CBRS for public review. The Service’s proposed maps that were created using these data are available at http://www.fws.gov/ecological-services/habitat-conservation/cbra/Maps/draft-maps.html. The boundaries depicted in this data set are NOT the current boundaries of the CBRS. The current official CBRS maps are available at: http://www.fws.gov/ecological-services/habitat-conservation/cbra/Maps/index.html. The locations of the proposed 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 on. The source of the base map image(s) for a particular area can be found in the title block on the Service’s proposed maps located at the URL above. The Service makes no claim regarding the proposed CBRS boundary locations relative to features on other base map sources, 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.

Purpose

This data set was created to provide local users with the Service's proposed boundaries for 4 CBRS units.

Time Period of Content

Time Period Information

Single Date/Time

Calendar Date 2016-07-07

Currentness Reference

publication date

Status

Progress Complete

Maintenance and Update Frequency As needed

Spatial Domain

Bounding Coordinates

West Bounding Coordinate -85.760823603

East Bounding Coordinate -85.294517543

North Bounding Coordinate 30.151178708

South Bounding Coordinate 29.642047249

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

Address Type Mailing and Physical

Address U.S. Fish and Wildlife Service Headquarters

Address 5275 Leesburg Pike, MS ES

City Falls Church

State or Province VA

Postal Code 22041

Country UNITED STATES

Contact Voice Telephone 703-358-2171

Contact Electronic Mail Address [CBRA@fws.gov](mailto:CBRA@fws.gov?subject=John%20H.%20Chafee%20Coastal%20Barrier%20Resources%20System%20Comprehensively%20Revised%20Coastal%20Barrier%20Resources%20System%20Boundaries%20(Proposed)%20–%20Units%20P30,%20P30P,%20P31,%20P31P)

Native Data Set Environment

Environment as of Metadata Creation: Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2 (Build 3348) Service Pack N/A (Build N/A)

[*Hide Identification  ▲*](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0EHA)

[**Data Quality  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0EGA)

Attribute Accuracy

Attribute Accuracy Report

Independent quality control checks were conducted on all attributes.

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

CBRS polygons can have two tiers of horizontal accuracy depending on the methods used for digitization of the boundaries, and the age and quality of the official CBRS map. Tier 1 polygons are of lower quality and accuracy than Tier 2 polygons. As the Service modernizes the CBRS maps, Tier 1 polygons will be upgraded to Tier 2. All of the polygons in this dataset are Tier 2. Tier 1: Centerline Boundaries: Polygons attributed with a Tier 1 accuracy level were created by digitizing the center of the CBRS boundaries shown on the official paper maps (mostly published in 1990). The potential sources of error are described below. Base map accuracy: Most of the official CBRS maps use United States Geological Survey (USGS) Quadrangles (quads) as a base map. USGS quads are tested to meet the National Map Accuracy Standards, and have a declared horizontal accuracy of at least 90% at the “well-defined points” tested, with an error of approximately plus or minus 40 feet. However, the majority of the boundaries used to create the Tier 1 polygons follow several categories of features shown on the quads (such as vegetative breaks, shorelines, and mangrove stands) that cannot be considered to be “well-defined points,” and therefore may have a greater degree of horizontal error than is stated above. As such, the CBRS boundaries on the official maps will have inherited the level of error in horizontal accuracy of the quads. Georeferencing accuracy: Additional error may have been introduced during the georeferencing process. Generally, the paper CBRS maps were scanned and then georeferenced to a USGS or third party Digital Raster Graphic (DRG) of the quad covering the same area as the CBRS map. Therefore, any horizontal error in the DRG can be assumed to have been inherited during the georeferencing process. The Service makes no claim to the accuracy of third party data used in this process. Furthermore, new error could have been introduced during the georeferencing process as a result of inexact or insufficient control point selection. However, all georeferenced maps were visually inspected for adequate fit to the DRG and aerial imagery along the boundary. Digitization of the boundary: Every attempt was made to digitize the exact center of the boundaries on the official CBRS maps. However, because the boundary lines on these maps vary in width between 80 and 100 feet on the ground and the boundaries appear pixilated at the scale used in the digitization process, it was difficult to consistently define the centerline of the CBRS boundaries. Therefore, additional error was introduced as a result of this process. Gaps in boundaries: The official CBRS maps occasionally have gaps in the boundary where no line was drawn to avoid obscuring a feature label on the quad. In these places, cartographic judgment was used and the boundary was digitized generally to follow the feature that the boundary was following on the DRG, or drawn as a straight line if the boundary intent was not clear. Edge matching: Many CBRS units extend across multiple maps. In some cases there are significant disjunctions between the boundaries at the edges of adjacent maps because of the manual process that was used to draw the CBRS boundaries. Cartographic judgment was used to determine the best way to eliminate these disjunctions on a case by case basis. Additionally, many of the official CBRS maps were created by physically cutting paper quads and taping them together (splicing) to achieve the desired map extent prior to drawing the boundaries. In almost every case there was some error introduced by imperfect edge matching. Poor splices on the official CBRS maps were accounted for by georeferencing the maps multiple times. For example, in cases where the official CBRS map was composed of two different quads taped together vertically down the middle, the western half of the map would be georeferenced and digitized separately from the eastern half. This typically resulted in a disjunction where the CBRS boundary on either side of the splice comes together. In these cases, cartographic judgment was used to determine the best way to eliminate disjunctions. Tier 2: Digital Conversion and Comprehensively Modernized Boundaries: The Service has two ongoing map modernization projects: (1) digital conversion, which produces modernized maps that have very limited changes and can be adopted administratively (changes limited to those authorized under 16 U.S.C. 3503(c)-(e)); and (2) comprehensive map modernization, which produces comprehensively revised maps that contain more significant changes and must be enacted by Congress to become effective (mandated by Sections 3 and 4 of P.L. 109-226). For more information about CBRA mapping, visit http://www.fws.gov/cbra. Polygons attributed with a Tier 2 accuracy level were created with modern Geographic Information Systems (GIS) technology using orthorectified aerial imagery (orthoimagery) as the base map. Because CBRS boundaries are often tied to features visible on the base map, the CBRS boundaries with Tier 2 accuracy are most reliable when paired with the base image that they were digitized on and are much higher quality than Tier 1 boundaries. Since 1999, Tier 2 boundaries have been used to create paper maps that were either enacted into law by Congress or administratively adopted by the Secretary. A potential source of error is described below. Spatial accuracy of orthoimagery: The orthoimagery is obtained from multiple sources and is selected based on quality, cost, and coverage availability. The imagery selected for use in this process generally met the following guidelines: it must be no more than five years old at the time of boundary digitization, it must have a resolution of 1 meter pixels or less, the imagery must be orthorectified, and the imagery must be available free of charge. Commonly used orthoimagery for Tier 2 boundaries is from the National Agriculture Imagery Program (NAIP). NAIP imagery has an accuracy of +/- 20 feet. Many CBRS boundaries are drawn to have specific relationships to features shown on the orthoimage that they were digitized on. Therefore, the CBRS boundaries inherit the spatial accuracy of base orthoimagery, and may appear not to fit other images properly.

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.

Process Date Unknown

[*Hide Data Quality  ▲*](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0EGA)

[**Spatial Data Organization  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0EFA)

Direct Spatial Reference Method Vector

Point and Vector Object Information

SDTS Terms Description

SDTS Point and Vector Object Type G-polygon

Point and Vector Object Count 4

[*Hide Spatial Data Organization  ▲*](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0EFA)

[**Spatial Reference  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0EEA)

Horizontal Coordinate System Definition

Planar

Grid Coordinate System

Grid Coordinate System Name Universal Transverse Mercator

Universal Transverse Mercator

UTM Zone Number 16

Transverse Mercator

Scale Factor at Central Meridian 0.9996

Longitude of Central Meridian -87.0

Latitude of Projection Origin 0.0

False Easting 500000.0

False Northing 0.0

Planar Coordinate Information

Planar Coordinate Encoding Method coordinate pair

Coordinate Representation

Abscissa Resolution 0.6096

Ordinate Resolution 0.6096

Planar Distance Units Meter

Geodetic Model

Horizontal Datum Name D\_North\_American\_1983

Ellipsoid Name GRS\_1980

Semi-major Axis 6378137.0

Denominator of Flattening Ratio 298.257222101

[*Hide Spatial Reference  ▲*](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0EEA)

[**Entities and Attributes  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.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 OBJECTID

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\_Leng

Attribute Definition

Unknown

Attribute Definition Source Producer defined

Attribute Domain Values

Unrepresentable Domain

Positive real numbers that are automatically generated.

Attribute

Attribute Label SHAPE\_Area

Attribute Definition

Unknown

Attribute Definition Source Producer defined

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 typically start with the two letter state abbreviation. The Unit Numbers for Otherwise Protected Areas end in “P”

Attribute

Attribute Label Unit\_Type

Attribute Definition

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

Attribute Definition Source Producer defined

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.

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

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 Tier

Attribute Definition

CBRS polygons may have two tiers of horizontal accuracy depending on the methods used for digitization of the boundary lines, and the age and quality of the official CBRS map. Tier 1 polygons are of lower quality and accuracy than Tier 2 polygons. All of the polygons in this dataset are Tier 2. See the Horizontal Accuracy Statement for more information

Attribute Definition Source U.S. Fish and Wildlife Service

Attribute Domain Values

Range Domain

Range Domain Minimum 2

Range Domain Maximum 2

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 4 existing John H. Chafee Coastal Barrier Resources System (CBRS) units in Florida as directed by Section 4 of the 2006 Coastal Barrier Resources Reauthorization Act (CBRRA) (Pub. L. 109-226) to show proposed boundary changes to the CBRS for public review. The Service’s proposed maps that were created using these data are available at http://www.fws.gov/ecological-services/habitat-conservation/cbra/Maps/draft-maps.html. The boundaries depicted in this data set are NOT the current boundaries of the CBRS. The current official CBRS maps are available at: http://www.fws.gov/ecological-services/habitat-conservation/cbra/Maps/index.html. The locations of the proposed 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 on. The source of the base map image(s) for a particular area can be found in the title block on the Service’s proposed maps located at the URL above. The Service makes no claim regarding the proposed CBRS boundary locations relative to features on other base map sources, 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.

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.

*[Hide Entities and Attributes ▲](file:///C:\\Users\\jzosh\\AppData\\Local\\Temp\\arcFBC7\\tmp4473.tmp.htm" \l "/metadata/eainfo//text()[1])*

[**Distribution Information  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0ECA)

Distributor

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

Address Type Mailing and Physical

Address U.S. Fish and Wildlife Service Headquarters

Address 5275 Leesburg Pike, MS ES

City Falls Church

State or Province VA

Postal Code 22041

Country UNITED STATES

Contact Voice Telephone 703-358-2171

Contact Electronic Mail Address [CBRA@fws.gov](mailto:CBRA@fws.gov?subject=John%20H.%20Chafee%20Coastal%20Barrier%20Resources%20System%20Comprehensively%20Revised%20Coastal%20Barrier%20Resources%20System%20Boundaries%20(Proposed)%20–%20Units%20P30,%20P30P,%20P31,%20P31P)

Distribution Liability

No warranty, expressed or implied is made with regard to the accuracy of these data, and no liability is assumed by the U.S. Government in general, or the U.S. Fish and Wildlife Service, in specific as to the spatial or attribute accuracy of the data. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the U.S. Government in the use of these files. The boundary information in the proposed CBRS polygons are for informational purposes only; their depiction and designation for informational purposes does not constitute a determination of jurisdictional authority or rights of ownership or entitlement and they are not survey grade or legal land descriptions. Additionally, user must (1) read and fully comprehend the metadata prior to data use, (2) acknowledge the U.S. Fish and Wildlife Service as the originator when using the data set as a source, and (3) share data products developed using this source data set with the U.S. Fish and Wildlife Service. Data should not be used beyond the limits of the source scale. The data set is NOT to be used for definitive in/out CBRS determinations.

Standard Order Process

Digital Form

Digital Transfer Information

Format Name Vector Digital Data Set (Polygon)

Digital Transfer Option

Online Option

Computer Contact Information

Network Address

Network Resource Name https://www.fws.gov/ecological-services/habitat-conservation/cbra/Maps/Boundaries.html

Fees None. No fees are applicable for obtaining the data set.

[*Hide Distribution Information  ▲*](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0ECA)

[**Metadata Reference  ▼►**](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0EBA)

Metadata Date 2016-06-22

Metadata Contact

Contact Information

Contact Person Primary

Contact Person Katie Niemi

Contact Organization U.S. Fish and Wildlife Service

Contact Position National Coastal Barriers Coordinator

Contact Address

Address Type Mailing and Physical

Address U.S. Fish and Wildlife Service Headquarters

Address 5275 Leesburg Pike, MS ES

City Falls Church

State or Province VA

Postal Code 22041

Country UNITED STATES

Contact Voice Telephone 703-358-2171

Contact Electronic Mail Address [CBRA@fws.gov](mailto:CBRA@fws.gov?subject=John%20H.%20Chafee%20Coastal%20Barrier%20Resources%20System%20Comprehensively%20Revised%20Coastal%20Barrier%20Resources%20System%20Boundaries%20(Proposed)%20–%20Units%20P30,%20P30P,%20P31,%20P31P)

Metadata Standard Name FGDC Content Standard for Digital Geospatial Metadata

Metadata Standard Version FGDC-STD-001-1998

[*Hide Metadata Reference  ▲*](file:///C:\Users\jzosh\AppData\Local\Temp\arcFBC7\tmp4473.tmp.htm#ID0EBA)