

John H. Chafee Coastal Barrier Resources System Unit NC-06, Hammocks Beach, North Carolina

Type of Unit: Proposed new System unit

Location of Unit: East of Jacksonville, in Onslow County

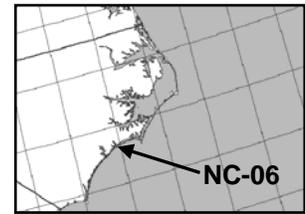
Congressional District: 3

Current CBRS Status: Part of the proposed new System Unit NC-06 is within existing otherwise protected area (OPA) Unit NC-06P. The remainder of the proposed new unit is currently not within the John H. Chafee Coastal Barrier Resources System (CBRS).

System Unit Criteria: Areas of proposed new Unit NC-06 that are currently within Unit NC-06P met the Coastal Barrier Resources Act (CBRA) definition and criteria of an undeveloped coastal barrier at the time they were first included within the CBRS in 1990. Areas of proposed new Unit NC-06 that are currently not within the CBRS currently meet the CBRA definition and criteria of an undeveloped coastal barrier. The U.S. Fish and Wildlife Service is not aware of the existence of a full complement of

infrastructure in this area at the time the area was first included within the CBRS.

Proposed Boundaries: The eastern boundary of the proposed new unit follows the eastern edge of Bogue Inlet, the Bogue Sound shoreline of the barrier island, and the western edge of the State Highway 68 bridge which crosses the wetlands between the barrier island and the mainland. The landward boundary follows the shoreline of the mainland, crossing Oak River and Queen Creek. The western boundary follows the center of Bear Inlet, coincident with the eastern proposed boundary of adjacent Unit L05. Just north of the western tip of Bear Island, this coincident boundary follows the western edge of a marsh, leaving the dynamic sand spits and a channel separating them from Bear Island within adjacent Unit L05. Proposed new Unit NC-06 follows the boundary of Unit NC-06P east along the protected landward shoreline of Bear Island back to the western edge of Bogue Inlet, where the boundary opens to the ocean. Interior boundaries are drawn to



exclude Hammocks Beach State Park and are coincident with the boundaries of Unit NC-06P.

Additional Comments: The portions of proposed new Unit NC-06 currently within Unit NC-06P are proposed for reclassification because they are not held for conservation or recreation, are not inholdings, and met the CBRA definition and criteria for an undeveloped coastal barrier at the time the area was established within the OPA.

Acreeage, Shoreline, and Structures:

	<i>Total Acres</i>	<i>Fastland Acres¹</i>	<i>Associated Aquatic Habitat Acres²</i>	<i>Shoreline (Miles)</i>	<i>Structures³</i>
Existing Unit	0.0	0.0	0.0	0.0	
Added to the CBRS	2,770.2	47.0	2,723.2		0
Removed from the CBRS	0.0	0.0	0.0		0
Reclassified Area	5,392.3	149.2	5,243.1	0.8	
Proposed Unit	8,162.5	196.2	7,966.3	1.7	
Net Change	8,162.5	196.2	7,966.3	1.7	0

¹ Land above mean high tide

² Includes adjacent wetlands, marshes, estuaries, inlets, and nearshore waters

³ Structure count derived from 1998 aerial photography, and 2006 Onslow County property parcel information

John H. Chafee Coastal Barrier Resources System Unit NC-06P, Hammocks Beach, North Carolina

Type of Unit: Otherwise protected area

Location of Unit: East of Jacksonville, in Onslow and Carteret Counties

Congressional District: 3

Establishment of Unit: Coastal Barrier Improvement Act (P.L. 101-591) enacted on 11/16/1990

Historical Changes to Unit: There have been no changes to the boundaries of Unit NC-06P since its designation in 1990.

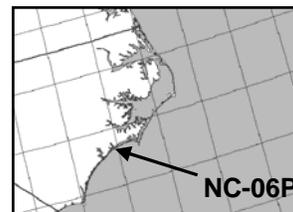
Underlying Conservation/Recreation Area(s) in OPA: Hammocks Beach State Park (established 1961), managed by the North Carolina Division of Parks and Recreation

Existing Boundary Description: The eastern boundary of Unit NC-06P roughly follows Bogue Inlet until it reaches the Intracoastal Waterway. The northern boundary follows the

southern edge of the Intracoastal Waterway. The western boundary follows Sanders Creek, crosses over a sandy spit, and passes through Bear Inlet into the Atlantic Ocean.

Proposed Changes to Boundary: The boundaries of Unit NC-06P are aligned with the boundaries of Hammocks Beach State Park, including an expansion in the north to include a new park acquisition within the OPA. Because the State park includes Huggins Island, Bear Island, and a piece of land located behind the marsh, the proposed boundaries create an OPA that is composed of three discrete segments.

Additional Comments: There are no known private inholdings within Unit NC-06P. Currently, the OPA includes a large area of private lands and associated aquatic habitat that are outside of Hammocks Beach State Park and are not held for conservation or recreation purposes. The area is not an inholding and



met the Coastal Barrier Resources Act definition of and criteria for an undeveloped coastal barrier at the time it was established within the OPA. Therefore this area is proposed for reclassification from OPA Unit NC-06P to new System Unit NC-06.

Acreage, Shoreline, and Structures:

	<i>Total Acres</i>	<i>Fastland Acres¹</i>	<i>Associated Aquatic Habitat Acres²</i>	<i>Shoreline (Miles)</i>	<i>Structures³</i>
Existing Unit	6,725.9	911.2	5,814.7	3.8	
Added to the CBRS	36.1	33.9	2.2		3 ⁴
Removed from the CBRS	0.0	0.0	0.0		0
Reclassified Area	(5,440.5)	(149.2)	(5,291.3)	(0.8)	
Proposed Unit	1,321.5	795.9	525.6	3.3	
Net Change	(5,404.4)	(115.3)	(5,289.1)	(0.5)	3

¹ Land above mean high tide

² Includes adjacent wetlands, marshes, estuaries, inlets, and nearshore waters

³ Structure count derived from 1998 aerial photography, and 2006 Onslow County property parcel information

⁴ According to the Hammocks Beach State Park map (found online at <http://ils.unc.edu/parkproject/visit/habe/habe.jpg>), these park structures include a visitor center and restroom facilities

John H. Chafee Coastal Barrier Resources System Unit L05, Onslow Beach Complex, North Carolina

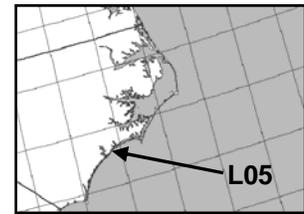
Type of Unit: System unit
Location of Unit: Southeast of Jacksonville, in Onslow County
Congressional District: 3
Establishment of Unit: Coastal Barrier Resources Act, or CBRA, (P.L. 97-348) enacted on 10/18/1982
Historical Changes to Unit:

There have been no changes to the boundaries of Unit L05 since its designation in 1982.

Existing Boundary Description:

Unit L05 consists of two discrete segments described here as the northern and southern segments.
Northern segment: The northern boundary of Unit L05 follows the center of Bear Inlet and cuts across the tip of Bear Island, which has accreted into the unit. The landward boundary roughly follows Sanders Creek, Shackelfoot Channel, and the eastern edge of the Intracoastal Waterway. The southern boundary crosses Hurst Beach roughly at the break-in-development.
Southern segment: The northern boundary crosses Onslow Beach roughly at the break-in-

development. The landward boundary generally follows the eastern edge of the Intracoastal Waterway and Wards Channel. The western boundary originally followed the center of New River Inlet, but now cuts across a sandy spit that has accreted into the inlet and through some developing shoals at the mouth of the inlet.
Proposed Changes to Boundary:
Northern segment: The northern boundary is adjusted to be contiguous with the proposed boundaries of Unit NC-06P and proposed new Unit NC-06, which follow the shoreline of Bear Island and the channel between Bear Inlet and the Intracoastal Waterway. The landward boundary is adjusted to follow the wetland/fastland interface, including the Intracoastal Waterway, in order to include the entire associated aquatic habitat.
Southern segment: The landward boundary is adjusted to follow the wetland/fastland interface, including the Intracoastal Waterway, in order to include the entire associated aquatic habitat. The western boundary is adjusted to follow the center of New River Inlet and be contiguous with the proposed boundaries of Unit L06.



Additional Comments: Unit L05 is located entirely within the U.S. Marine Corps Base Camp Lejeune, which is identified for realignment on the 2005 Base Realignment and Closure list. There is coastal barrier land within Camp Lejeune that is not currently in the John H. Chafee Coastal Barrier Resources System, but it is considered developed according to the CBRA criteria and is therefore not proposed for inclusion within Unit L05. The proposed adjustments to the landward boundary of Unit L06 add undeveloped fastland located on spoil islands to the unit.

Acres, Shoreline, and Structures:	<i>Total Acres</i>	<i>Fastland Acres¹</i>	<i>Associated Aquatic Habitat Acres²</i>	<i>Shoreline (Miles)</i>	<i>Structures³</i>
Existing Unit	3,045.6	729.2	2,316.4	10.3	
Added to the CBRS	3,299.2	144.5	3,154.7		0
Removed from the CBRS	0.0	0.0	0.0		0
Reclassified Area	96.8	0.0	96.8	0.0	
Proposed Unit	6,441.6	873.7	5,567.9	10.4	
Net Change	3,396.0	144.5	3,251.5	0.1	0

¹ Land above mean high tide
² Includes adjacent wetlands, marshes, estuaries, inlets, and nearshore waters
³ Structure count derived from 1998 aerial photography, and 2006 Onslow County property parcel information