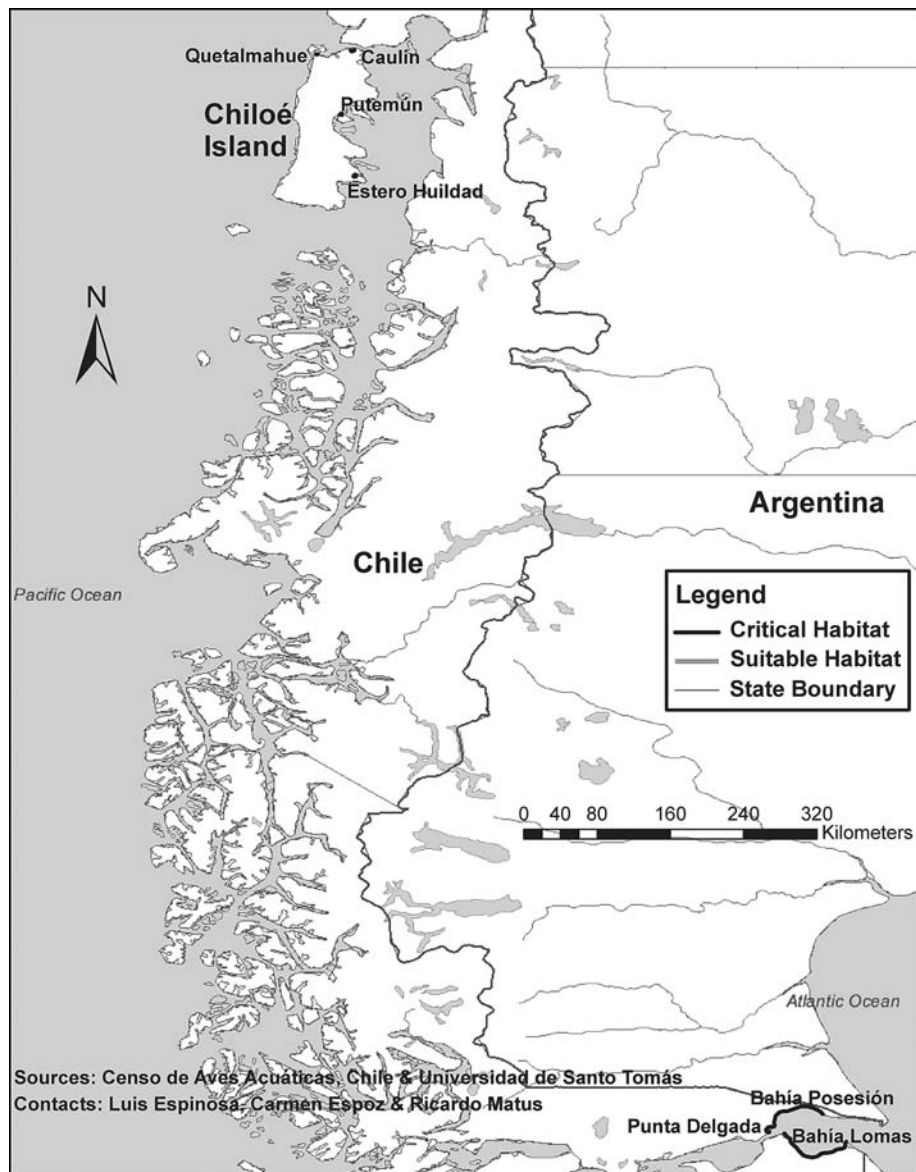


## APPENDIX 1. REGIONAL MAPS OF RED KNOT CRITICAL HABITAT (MIGRATORY STOPOVER AND WINTERING-NONBREEDING AREAS).

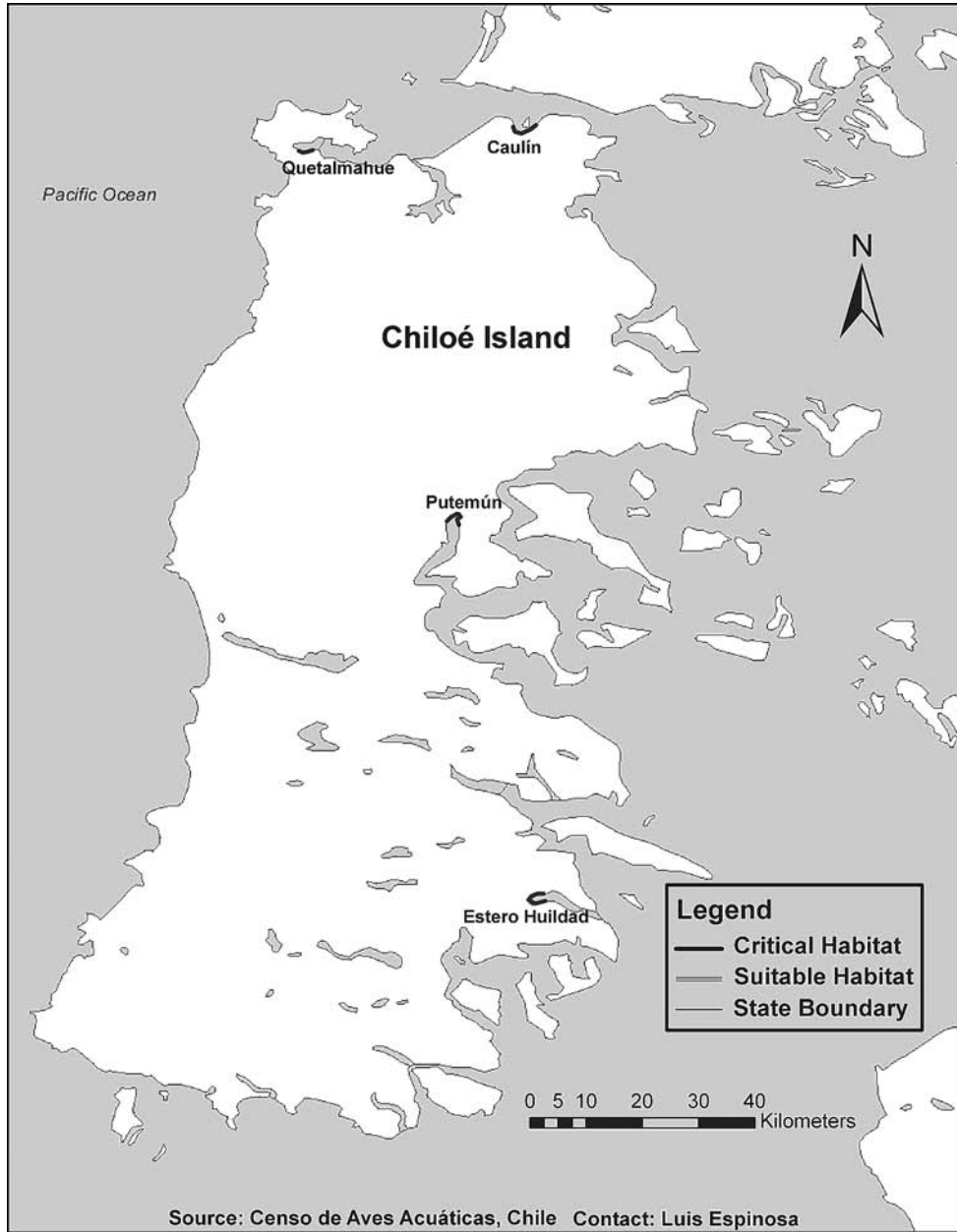
These important habitats are classified on the following maps as critical or suitable according to the following criteria:

Critical habitats (dark gray) are: (1) sites of known importance for Red Knots and are documented by survey, (2) sites of known importance by expert opinion, and may or may not have survey data available, and (3) sites of known importance that are occupied intermittently (because of naturally fluctuating food resources, human disturbance, beach replenishment, etc.), and may or may not have survey data.

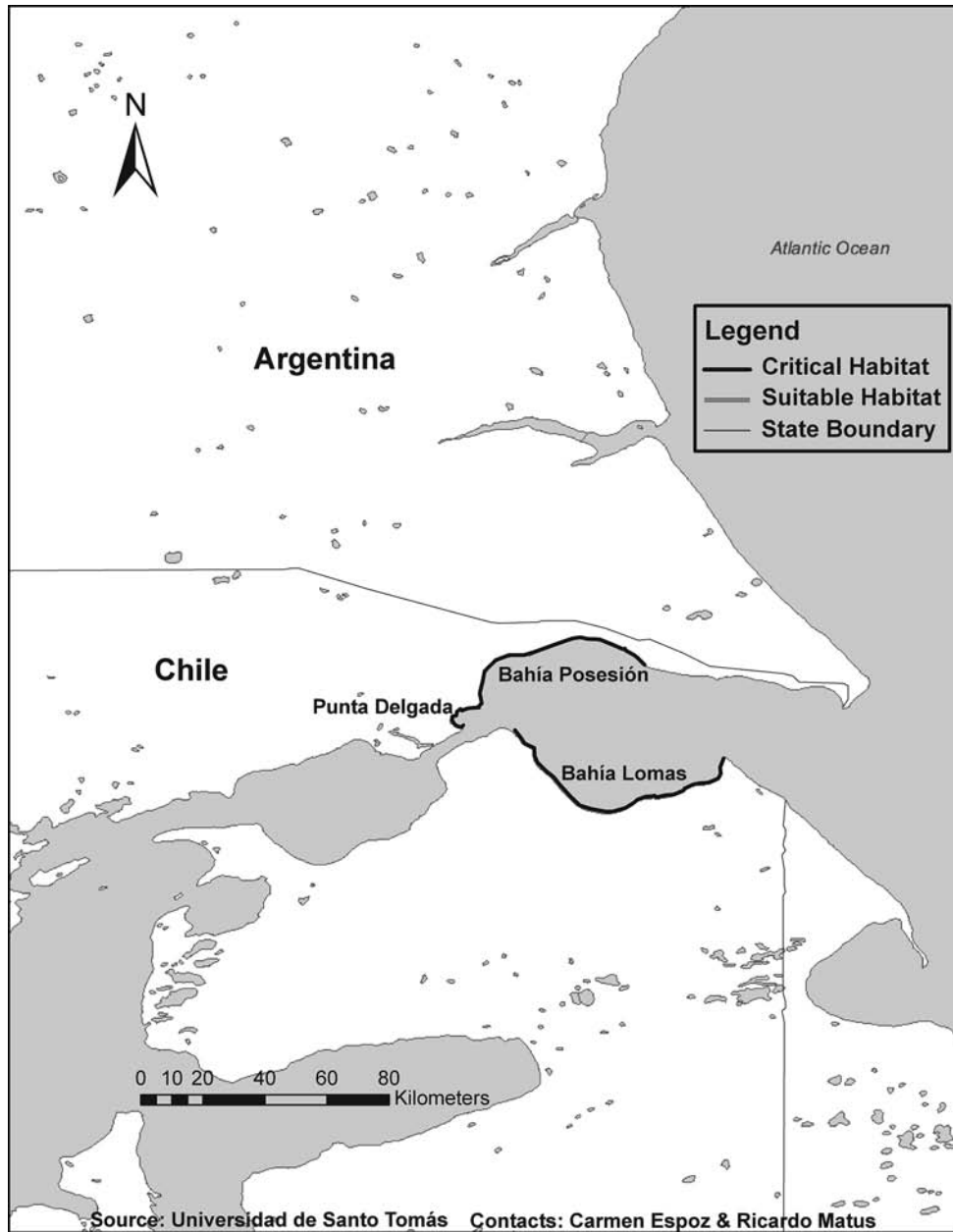
Suitable habitats (light gray) are: (1) sites of known importance that are occupied intermittently, may or may not have survey data, and are deemed by expert opinion as secondary sites not critical to the persistence of the Red Knot population at its current population level. These sites may become critical if the Red Knot population increases, and (2) sites that were historically used by Red Knot but are now unused although the habitat has not been altered. These sites may become critical if the red knot population increases.



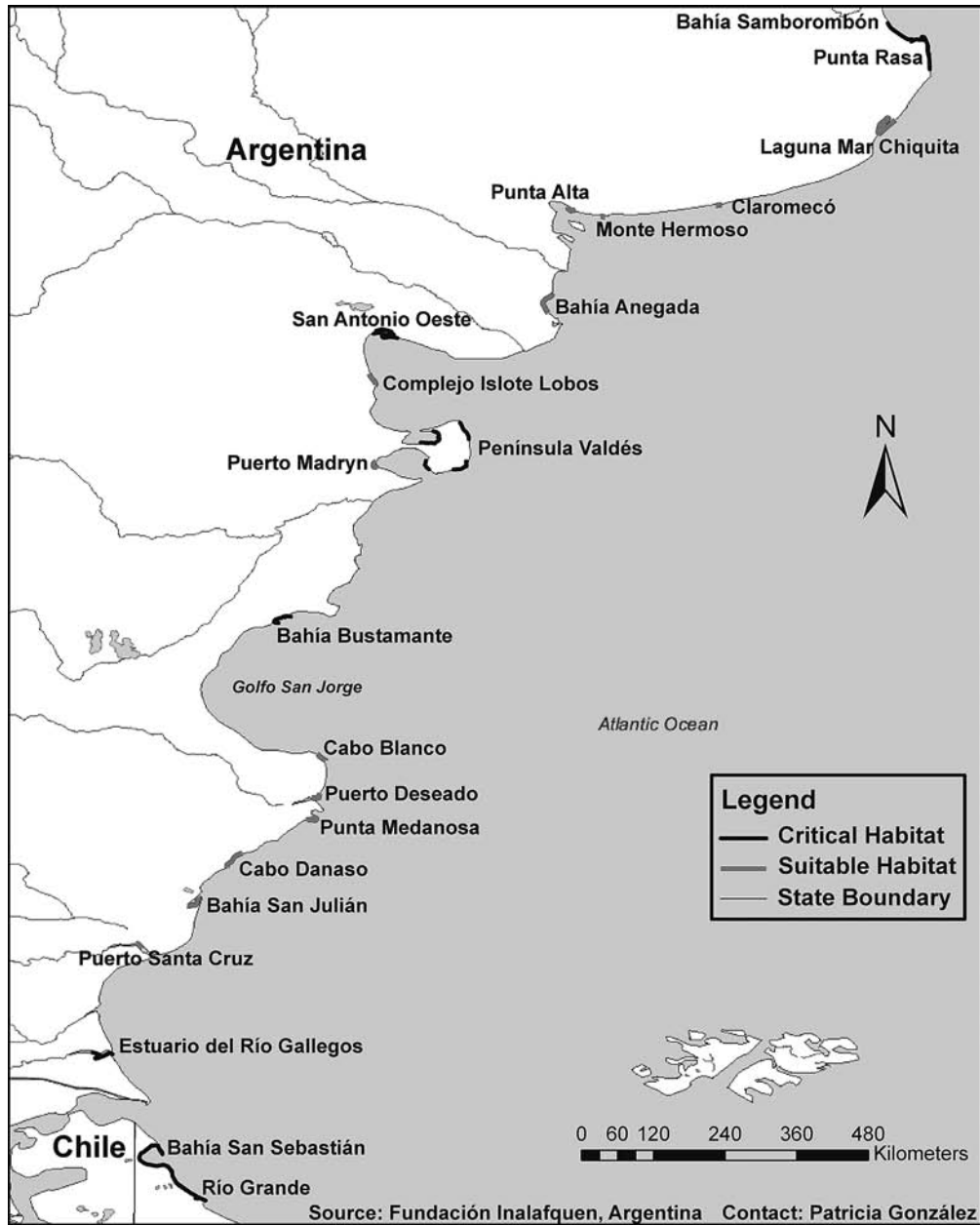
MAP 1. Critical habitat in Chile.



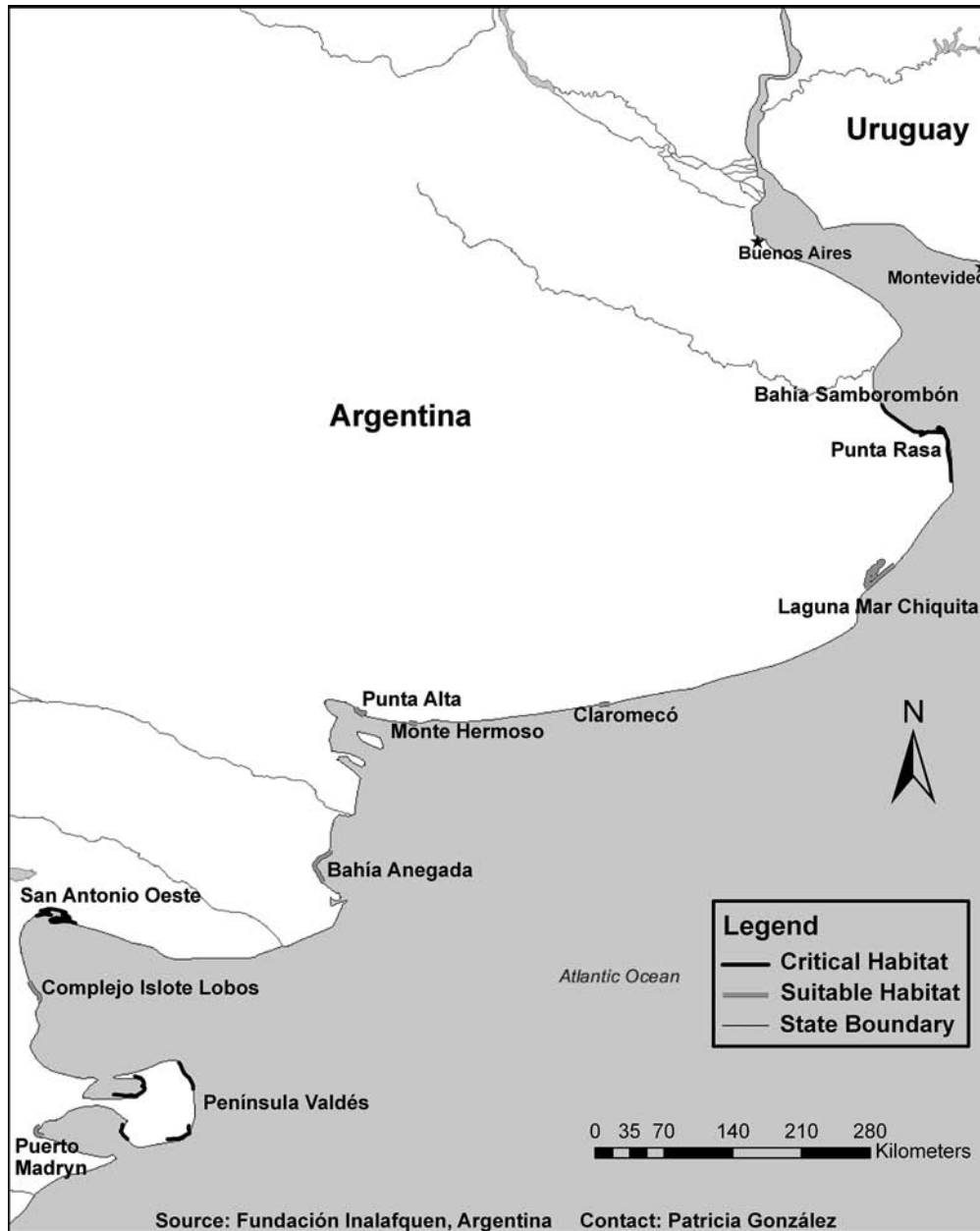
MAP 2. Critical habitat in Chiloé Island.



MAP 3. Critical habitat in Bahía Lomas.



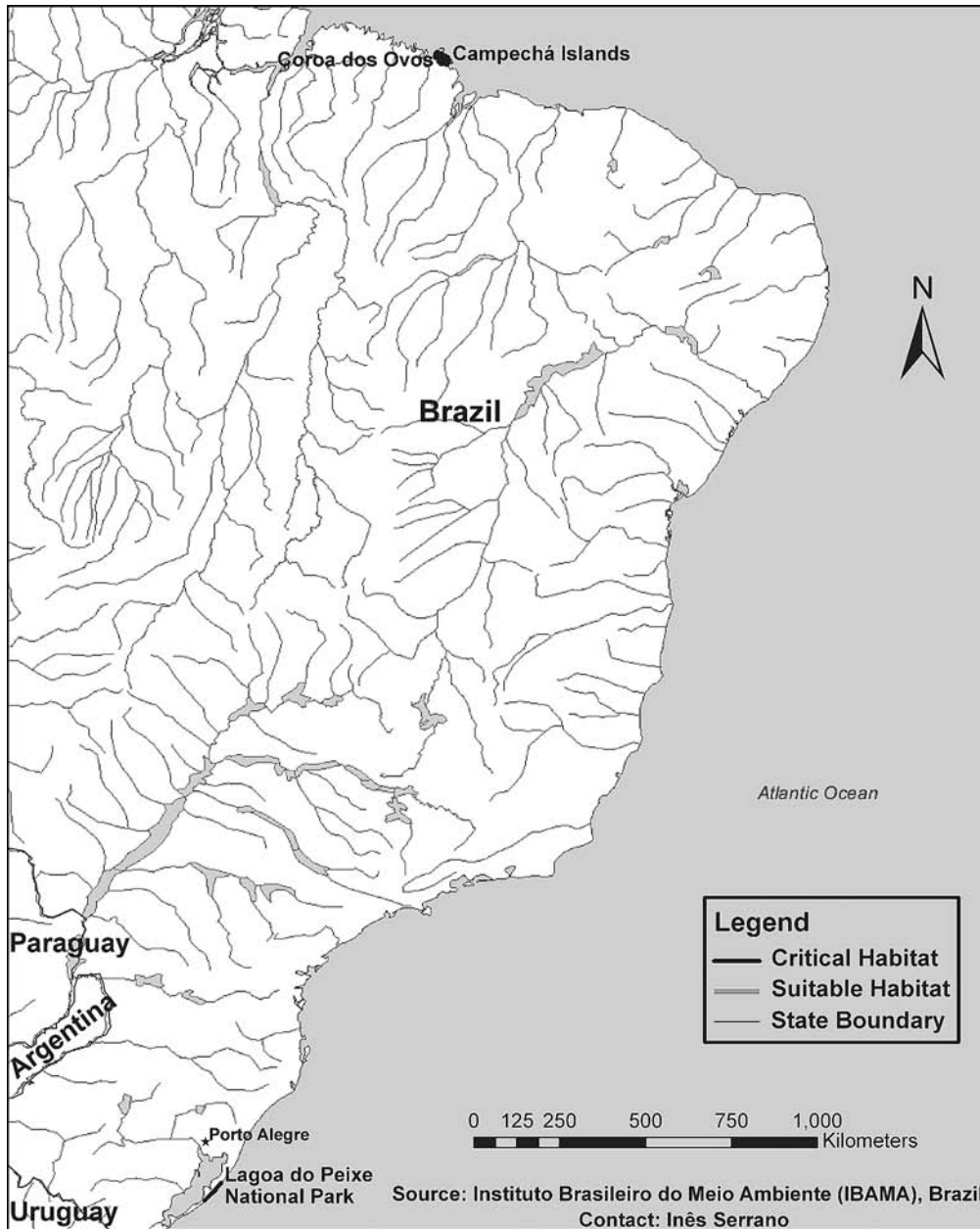
MAP 4. Critical habitat in Argentina.



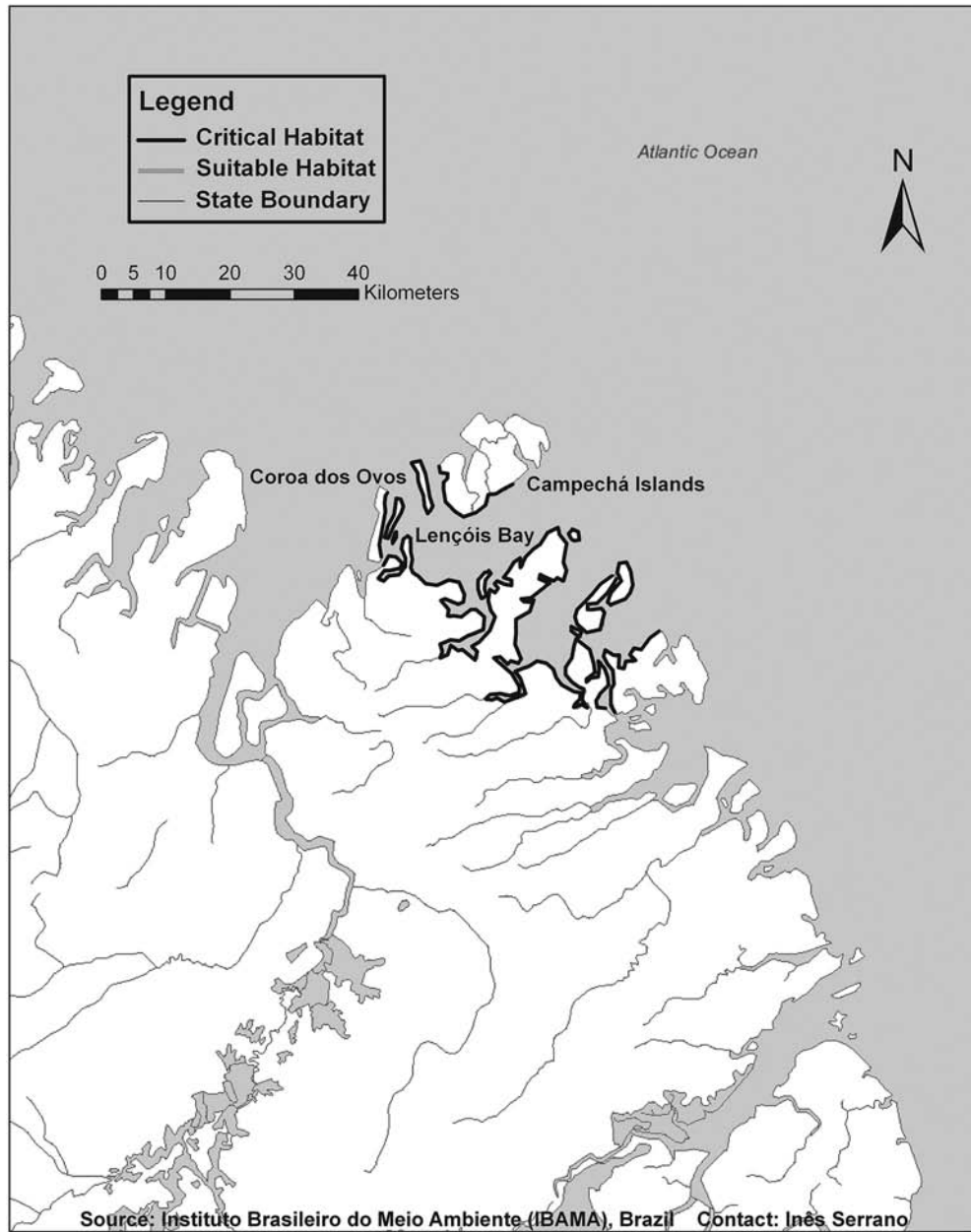
MAP 5. Critical habitat in northern Argentina.



MAP 6. Critical habitat in southern Argentina.

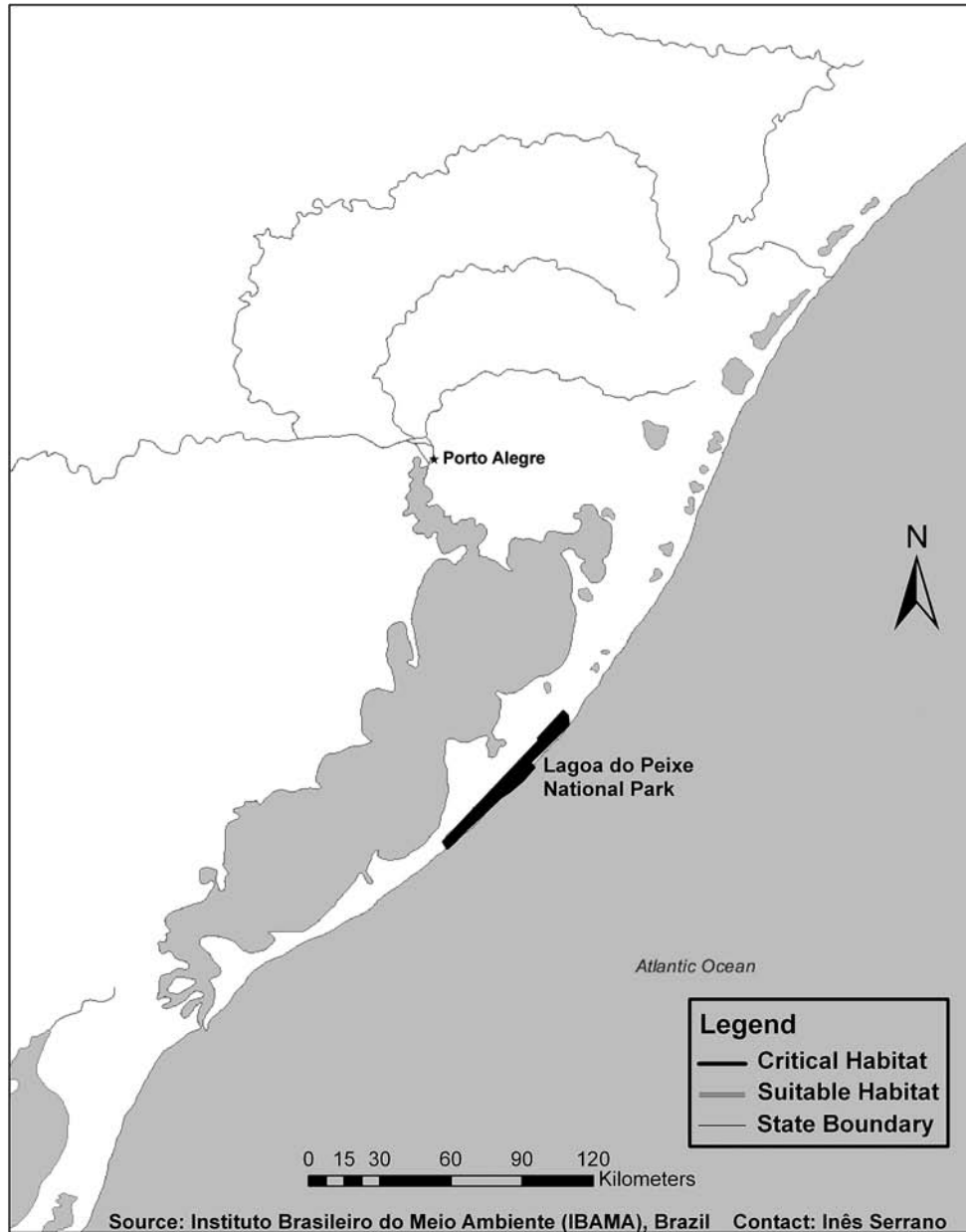


MAP. 7. Critical habitat in Brazil.

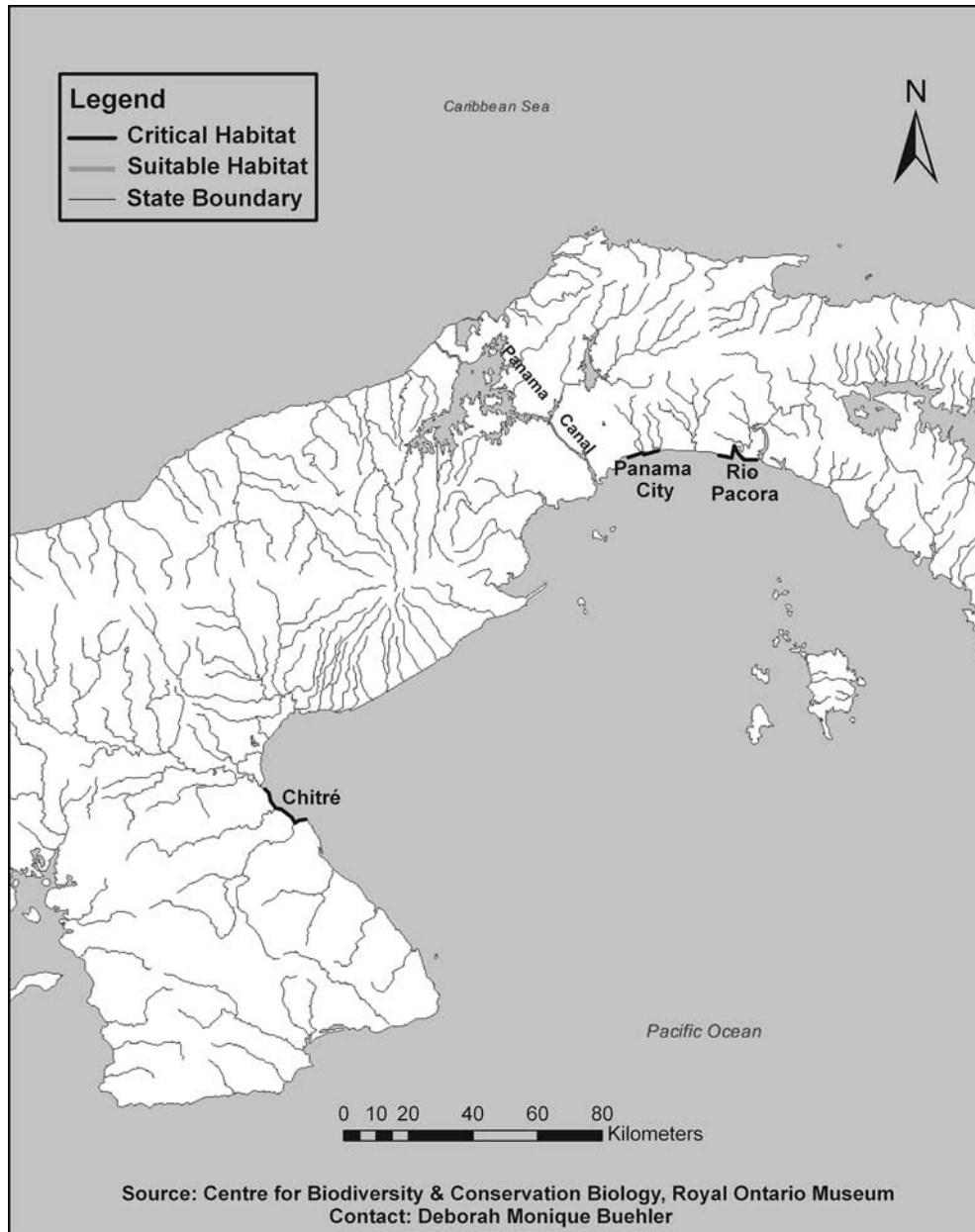


MAP 8. Critical habitat in northern Brazil.

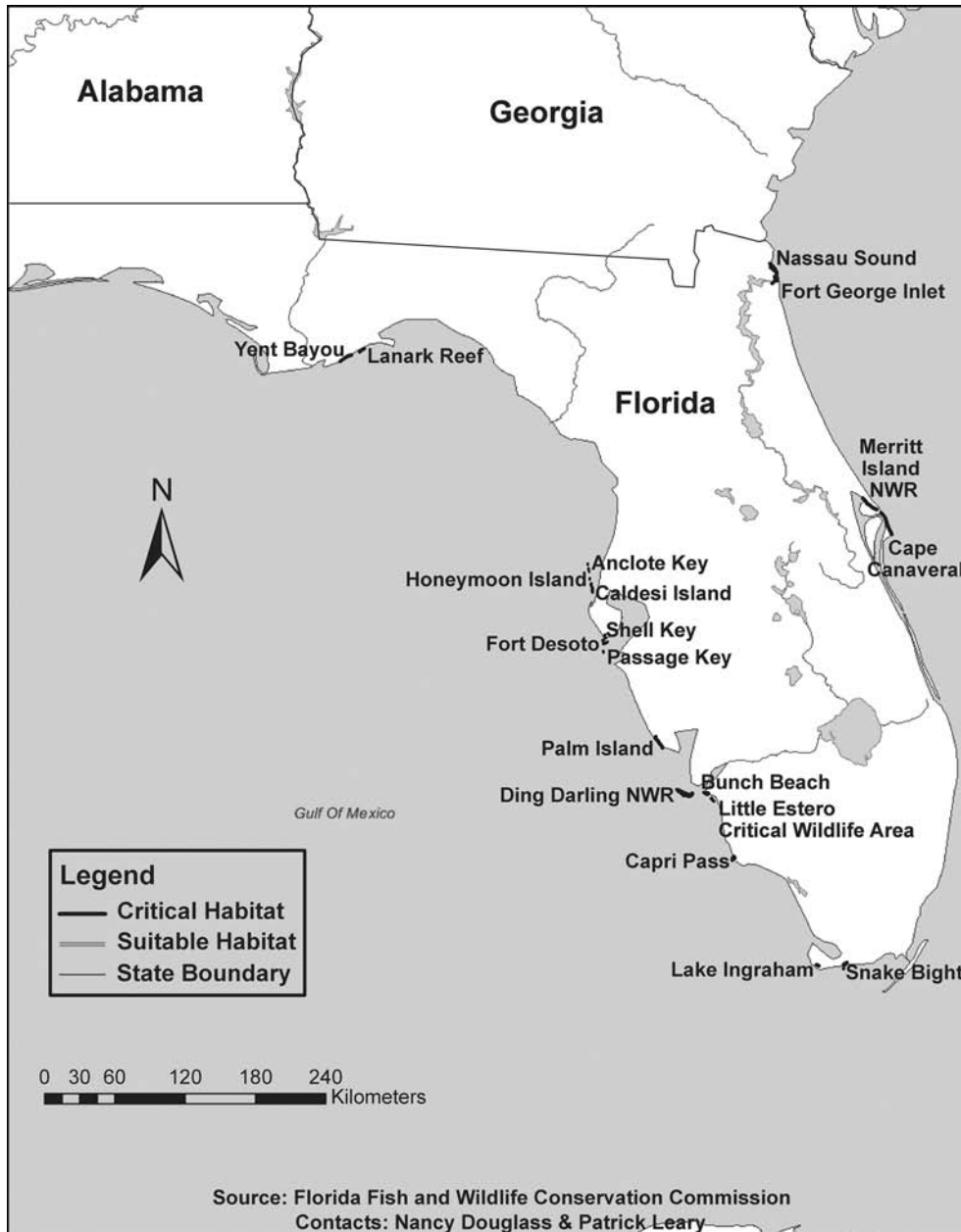




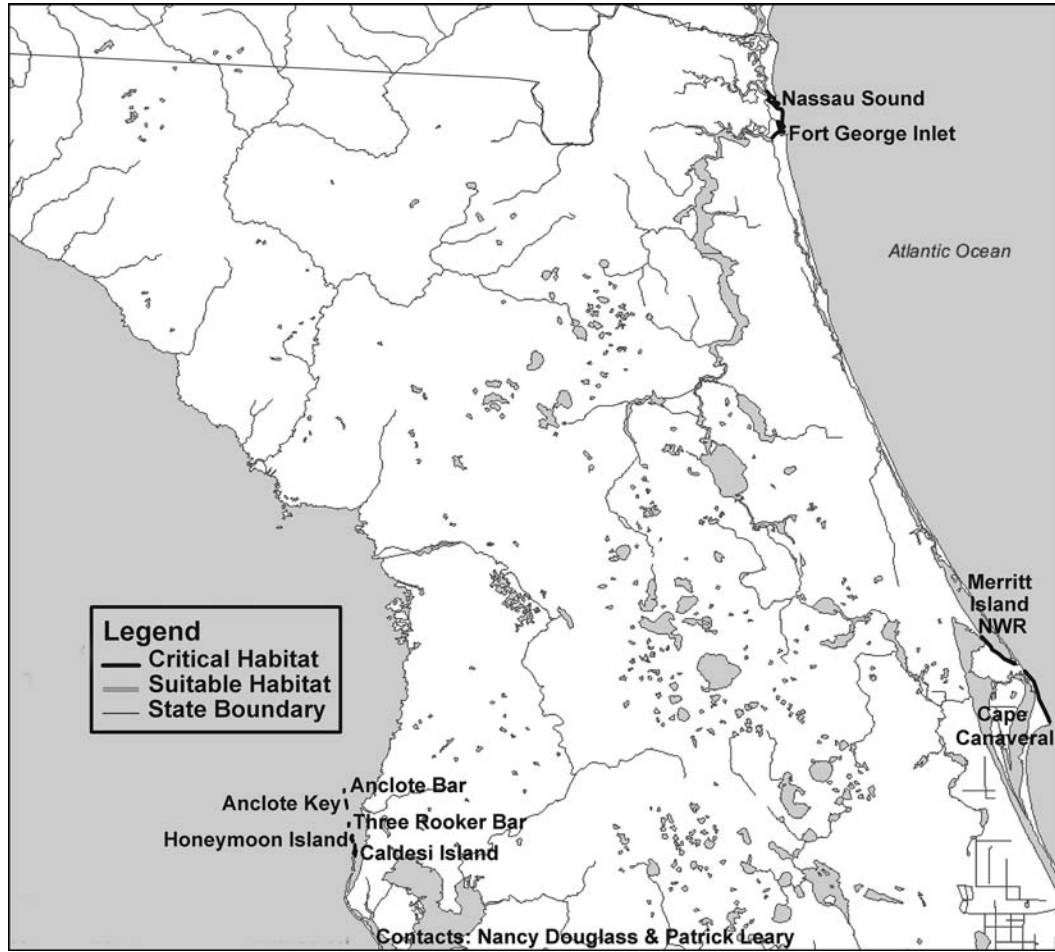
MAP 9. Critical habitat in southern Brazil.



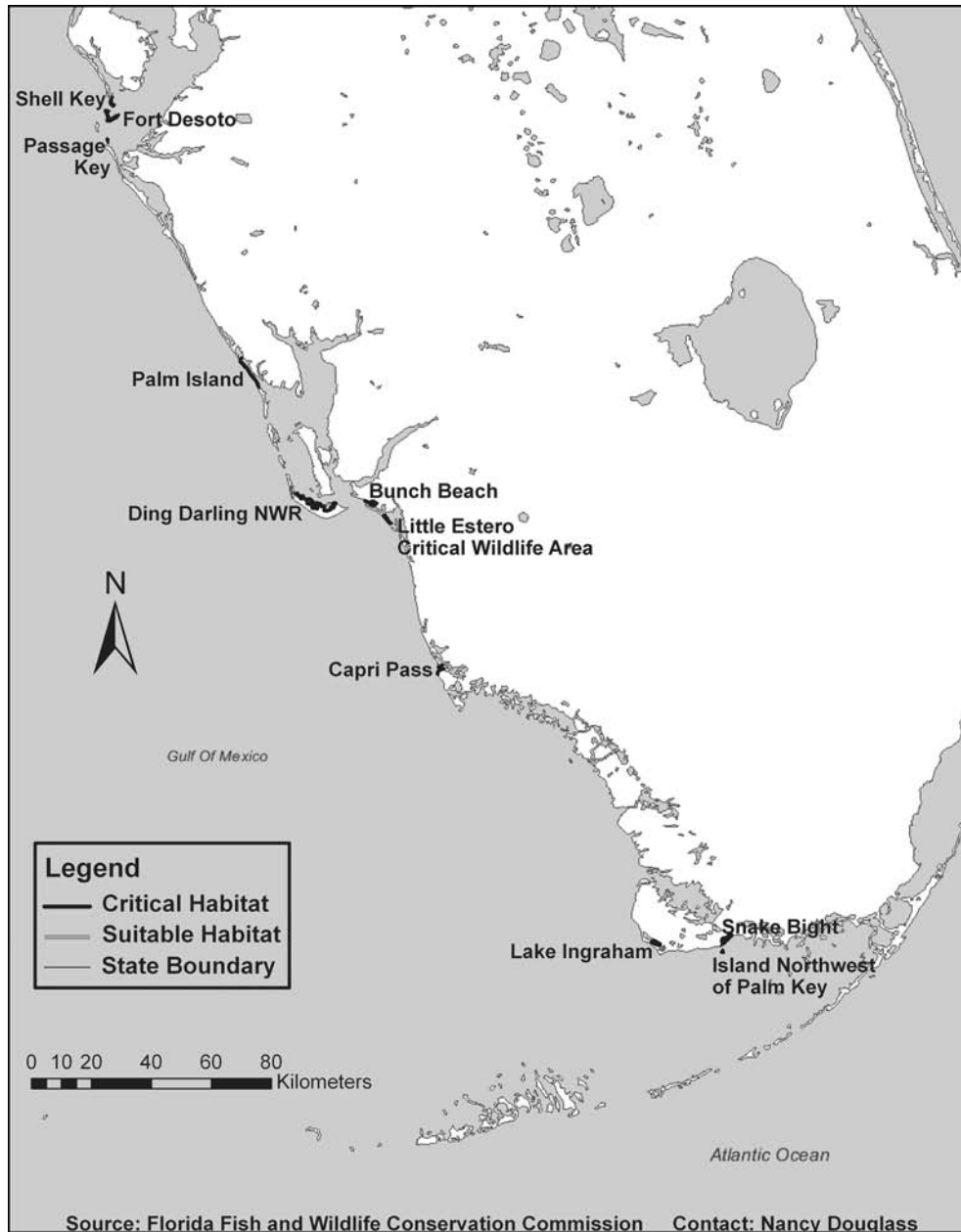
MAP. 10. Critical habitat in Panama.



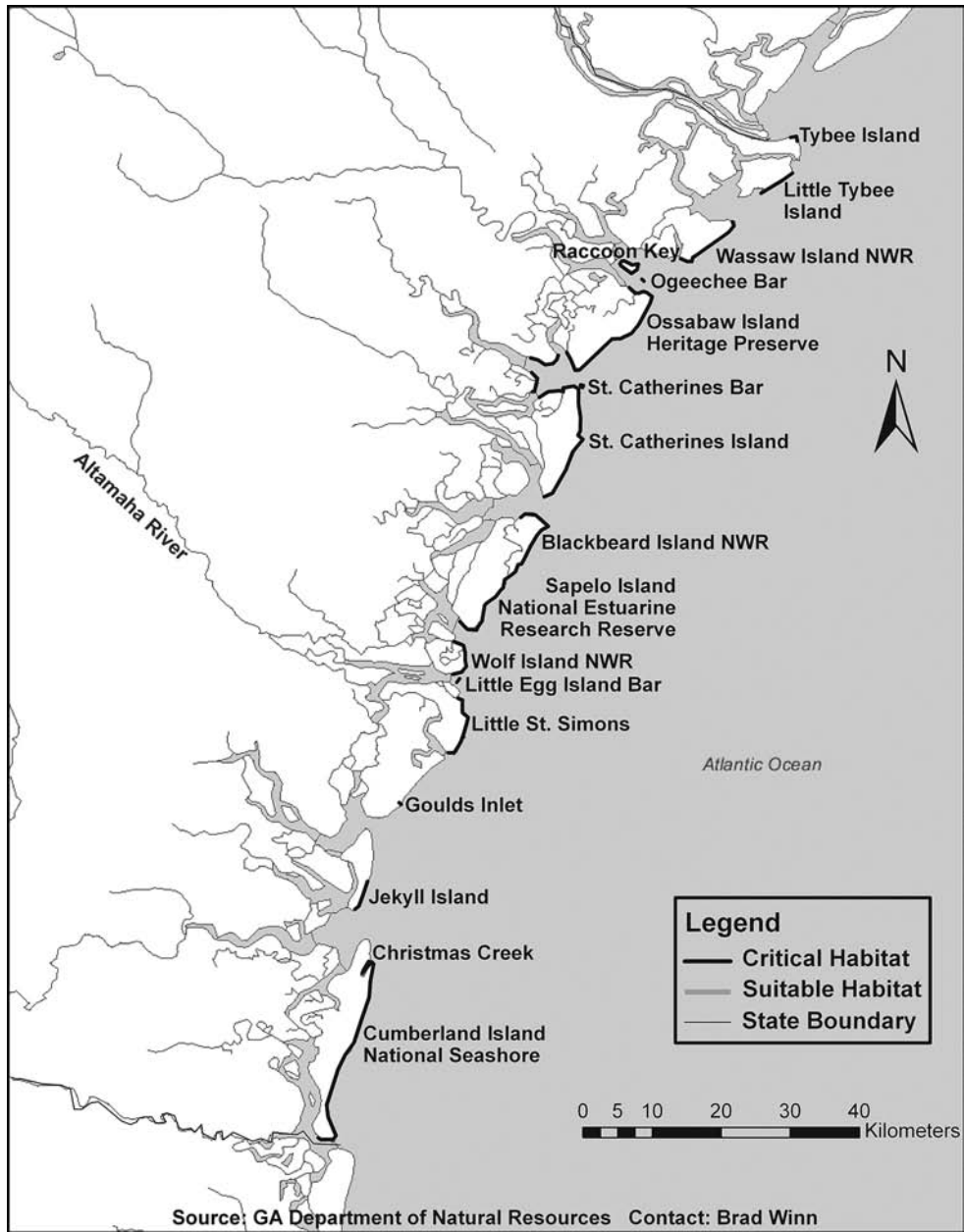
MAP 11. Critical habitat in Florida.



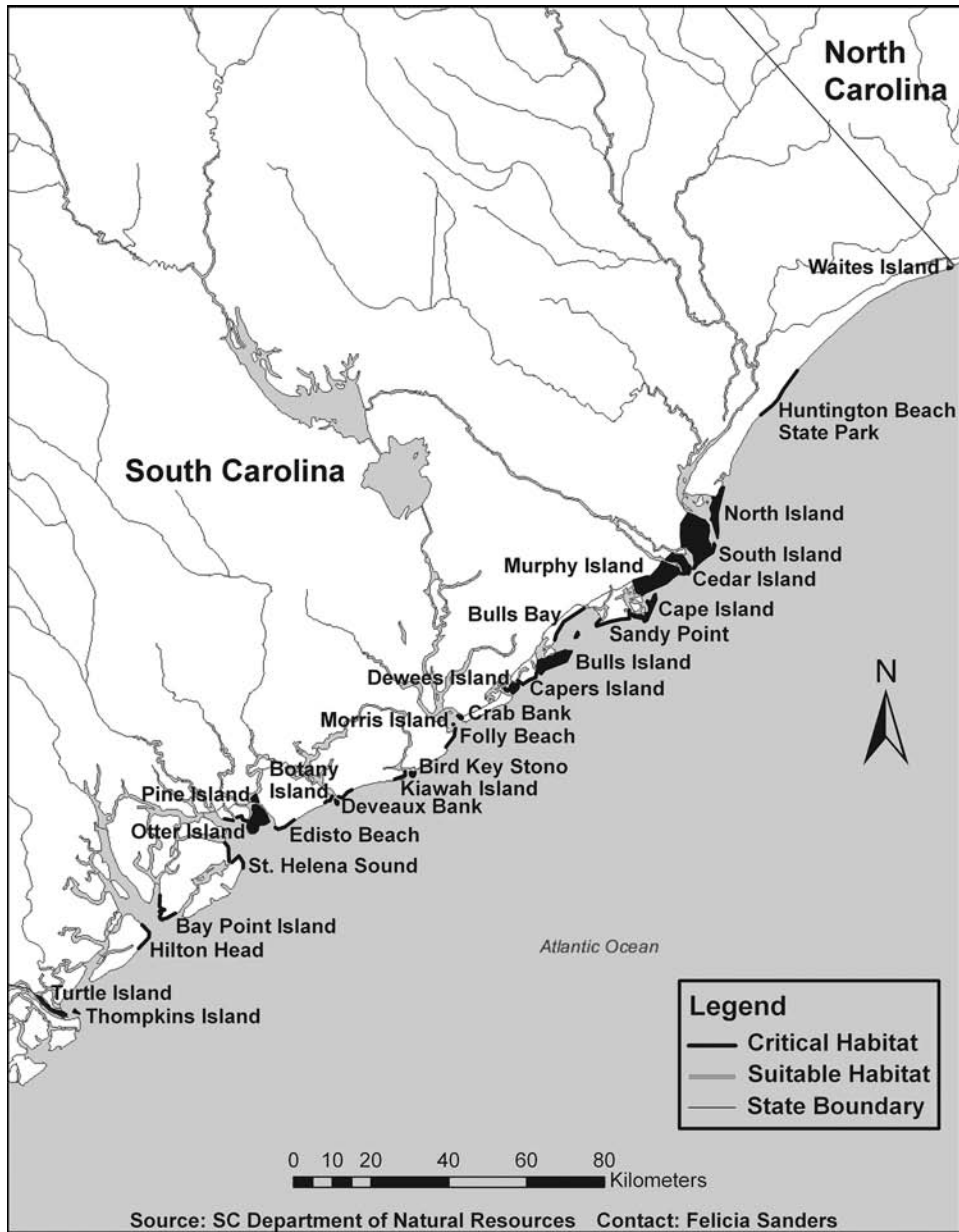
MAP 12. Critical habitat in northern Florida.



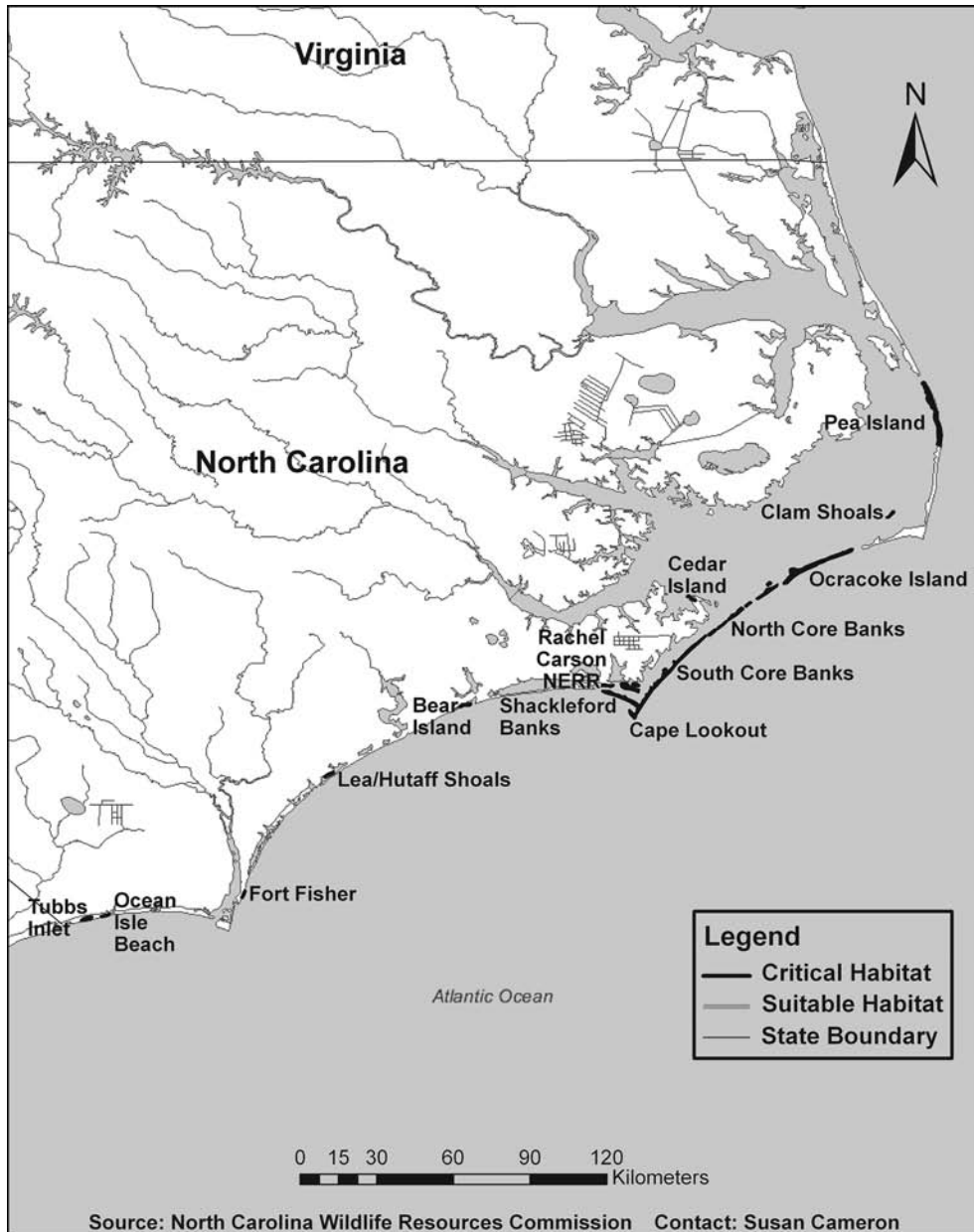
MAP 13. Critical habitat in southern Florida.



MAP 14. Critical habitat in Georgia.

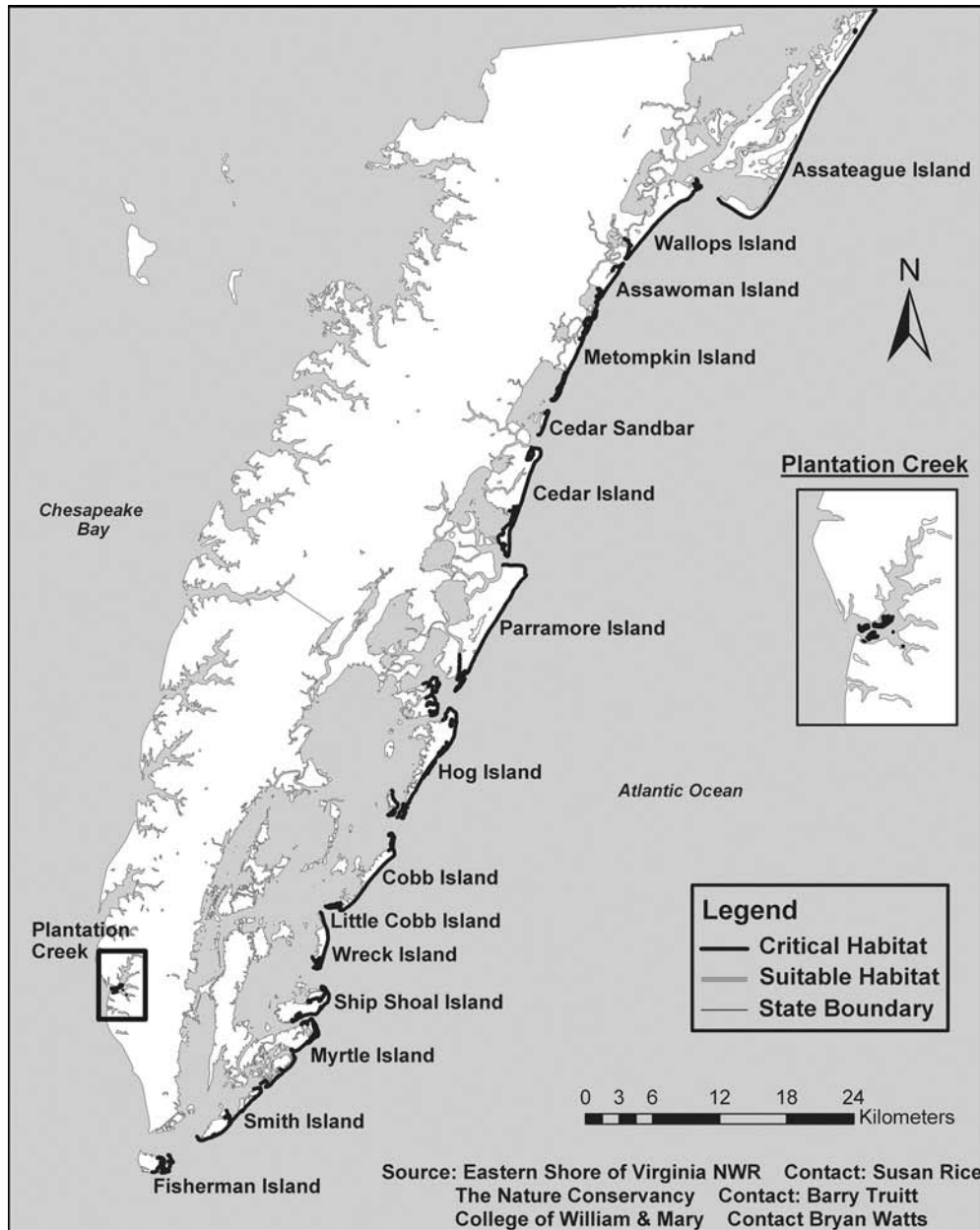


MAP 15. Critical habitat in South Carolina.

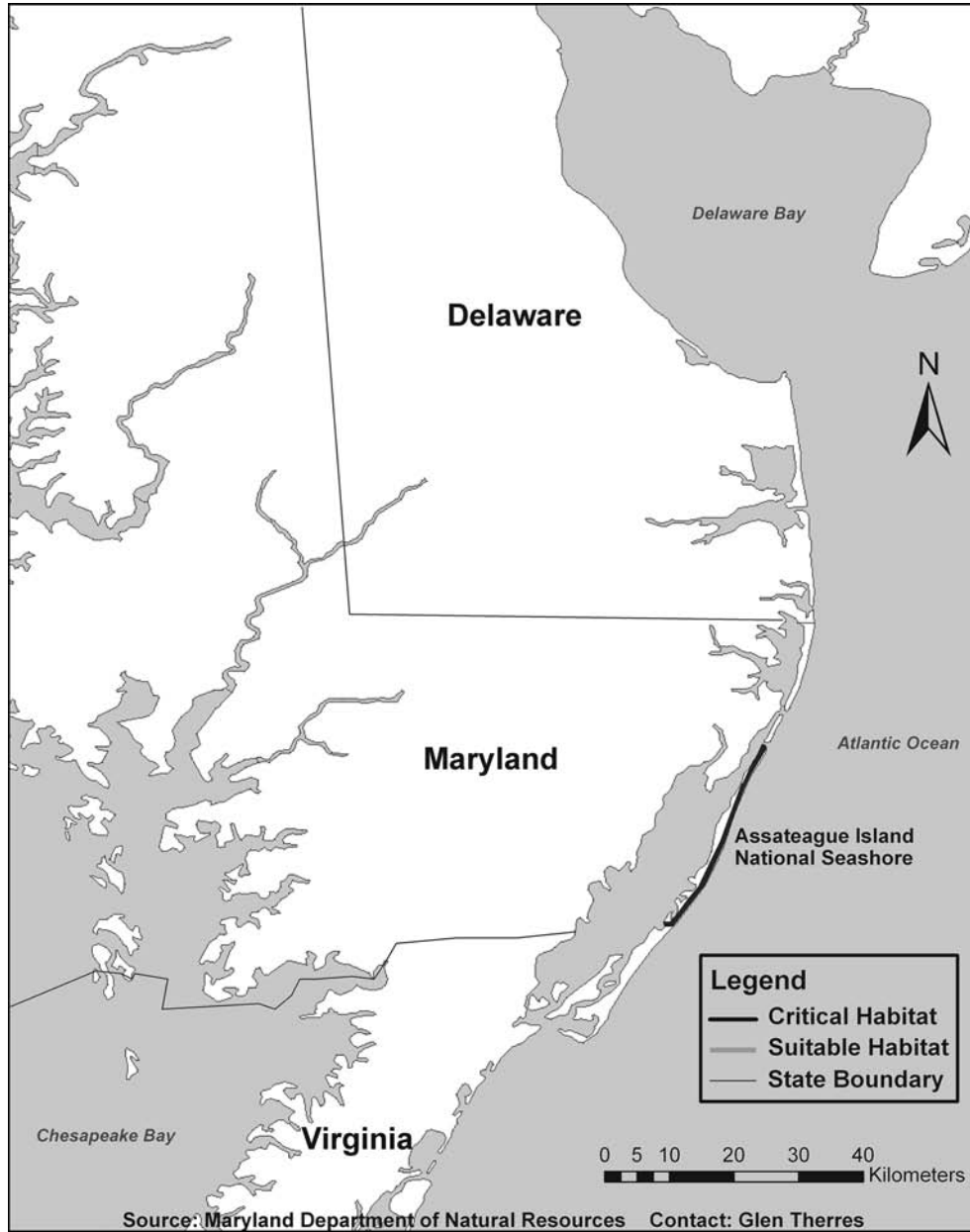


MAP 16. Critical habitat in North Carolina.

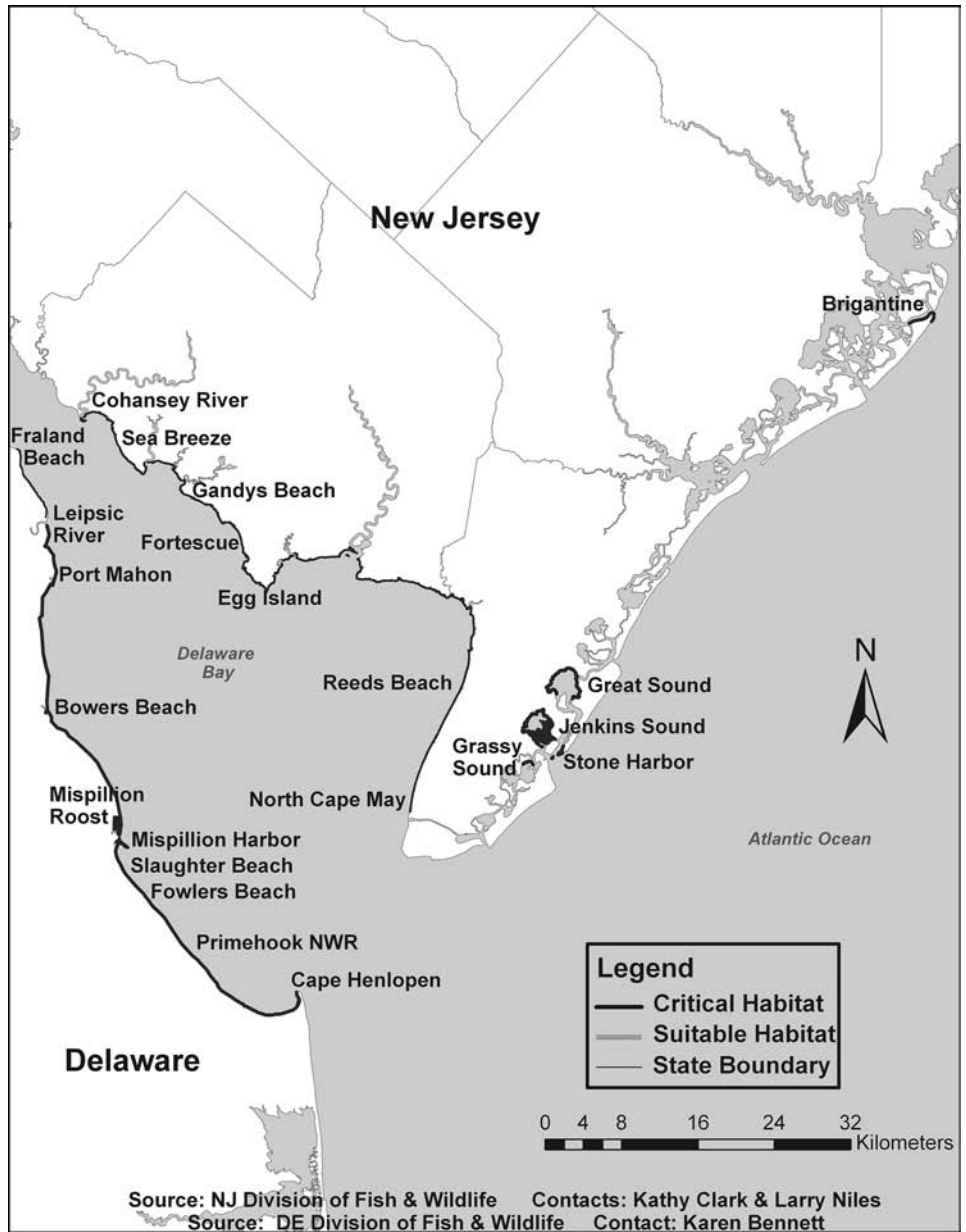




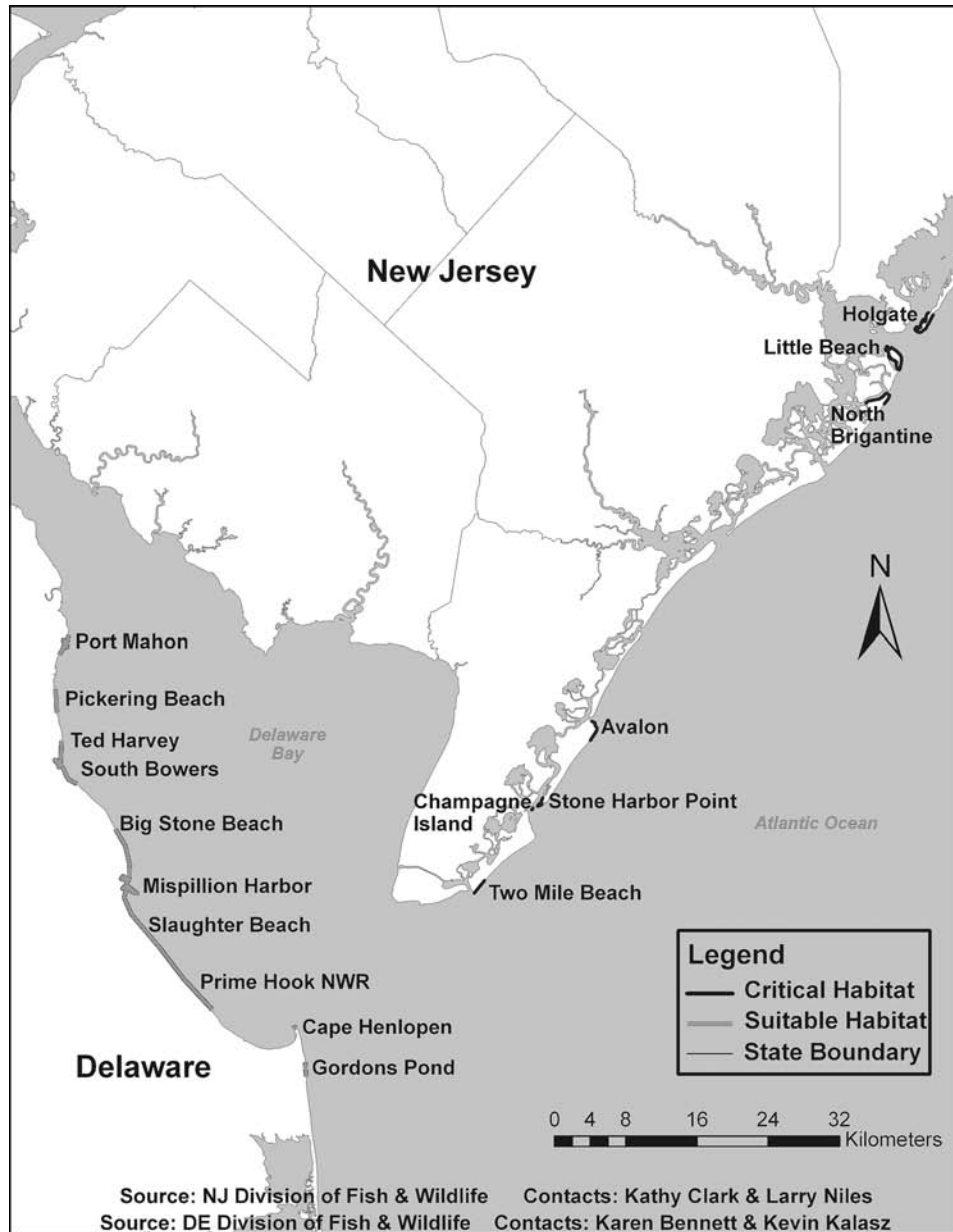
MAP 17. Critical habitat in Virginia.



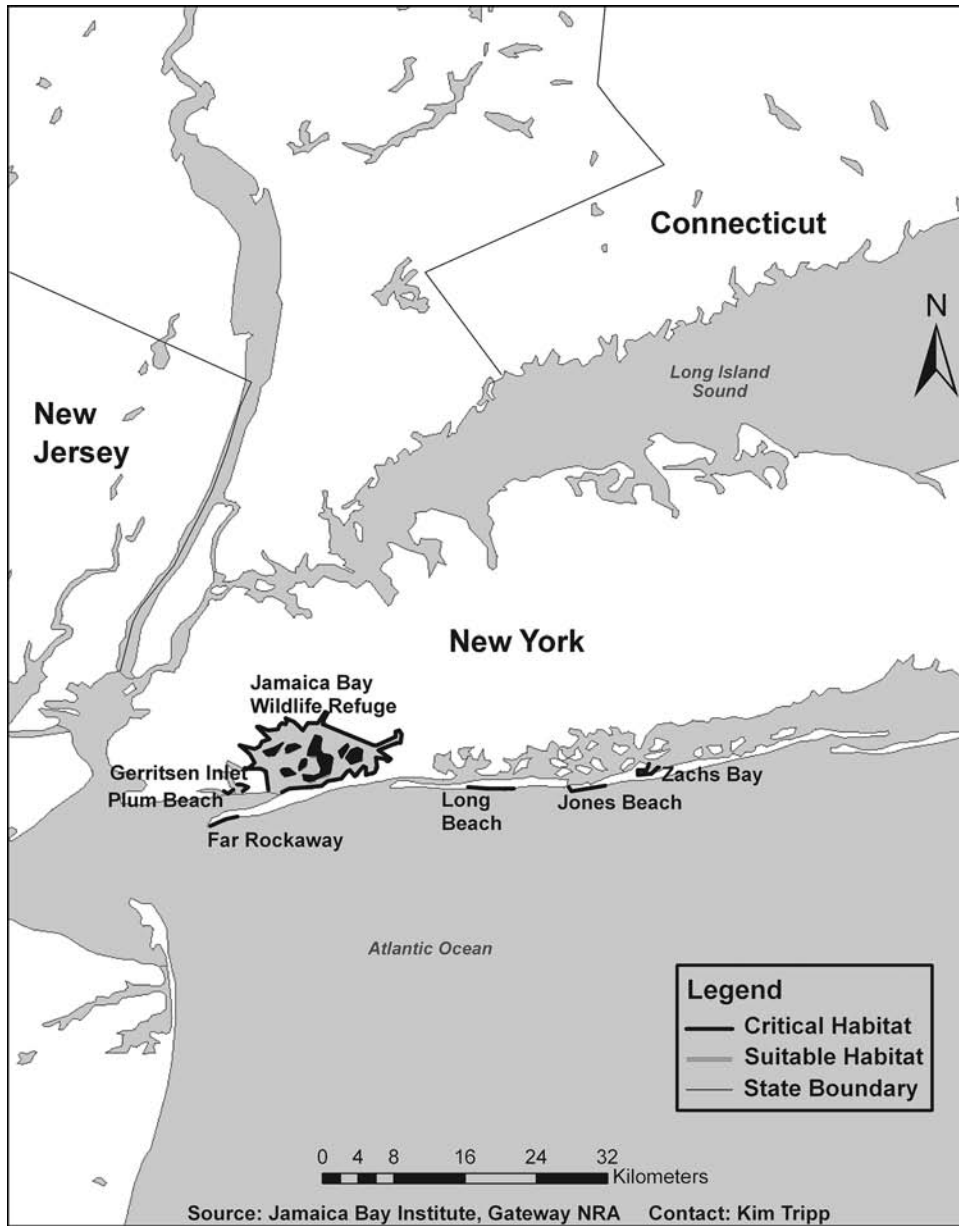
MAP 18. Critical habitat in Maryland.



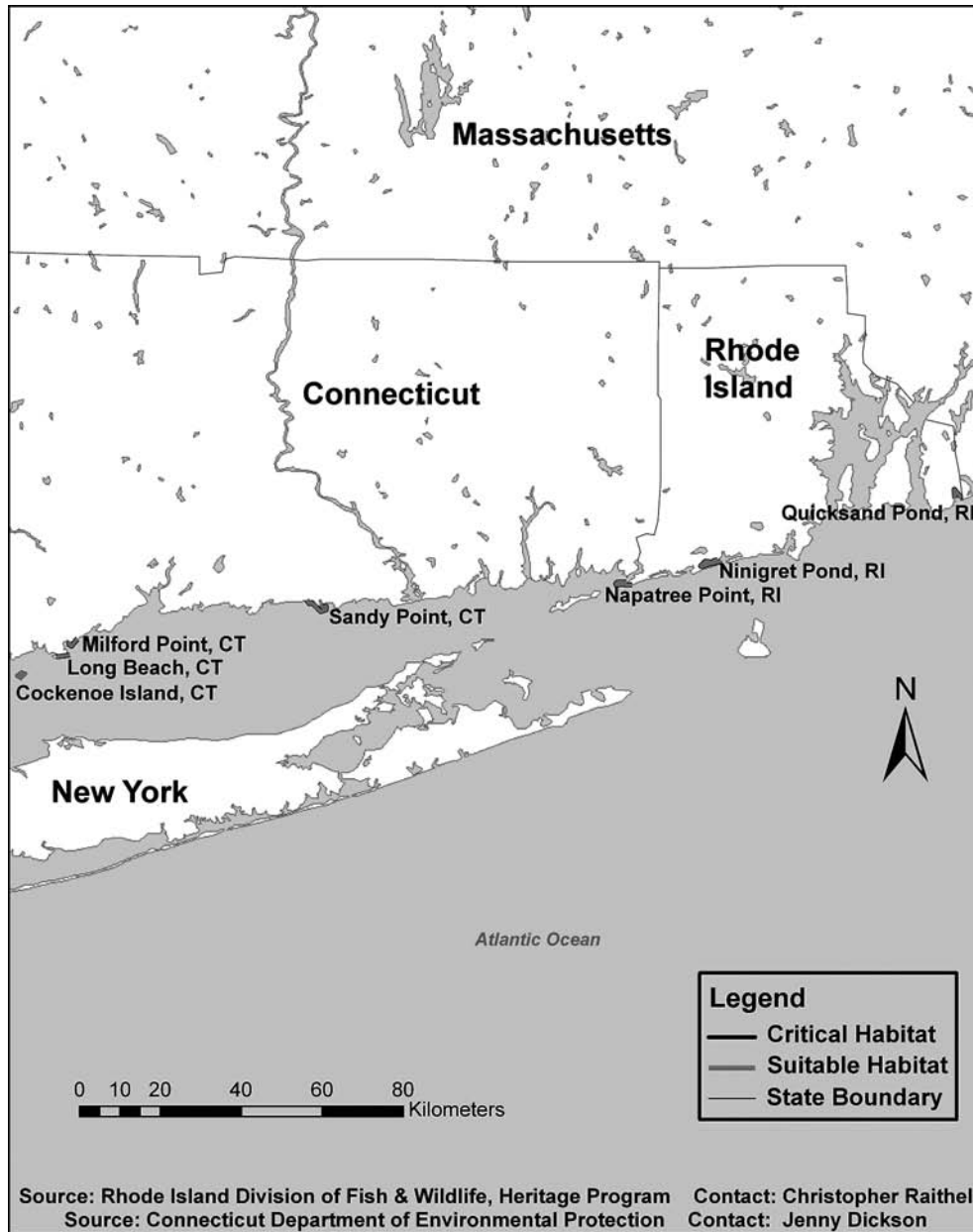
MAP 19. Critical habitat in Delaware Bay in spring.



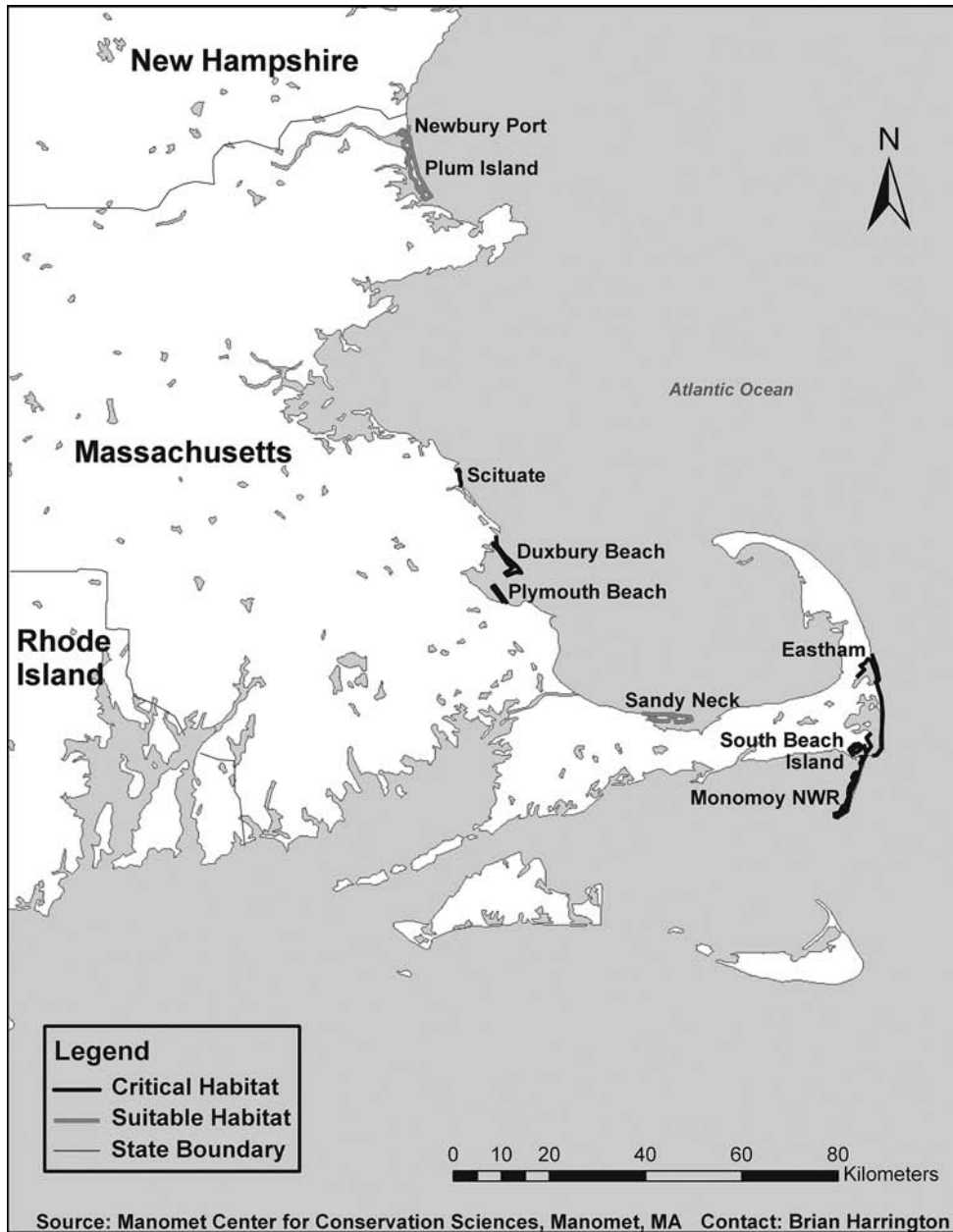
MAP 20. Critical habitat in Delaware Bay in fall.



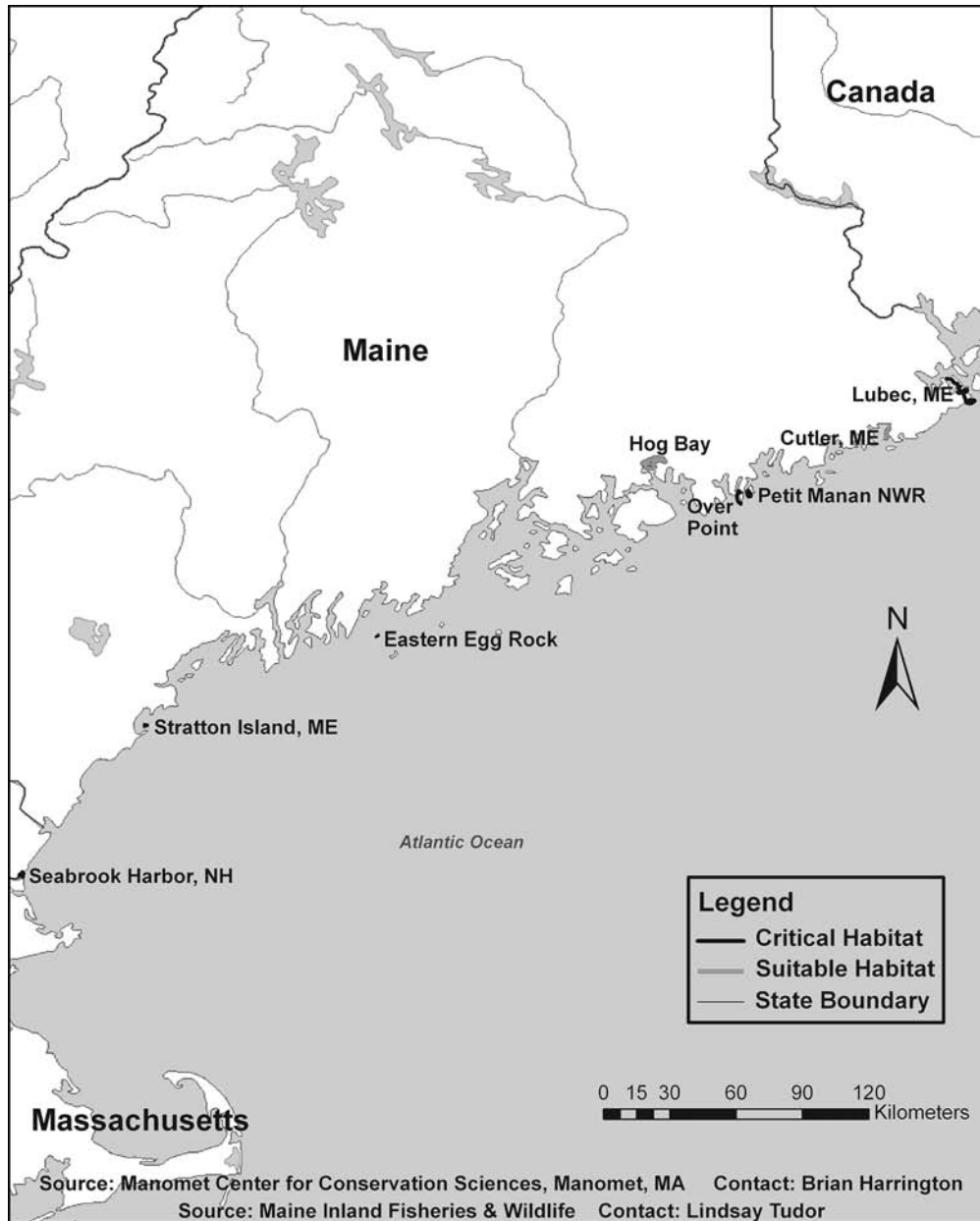
MAP. 21. Critical habitat in New York.



MAP 22. Critical habitat in Connecticut and Rhode Island.

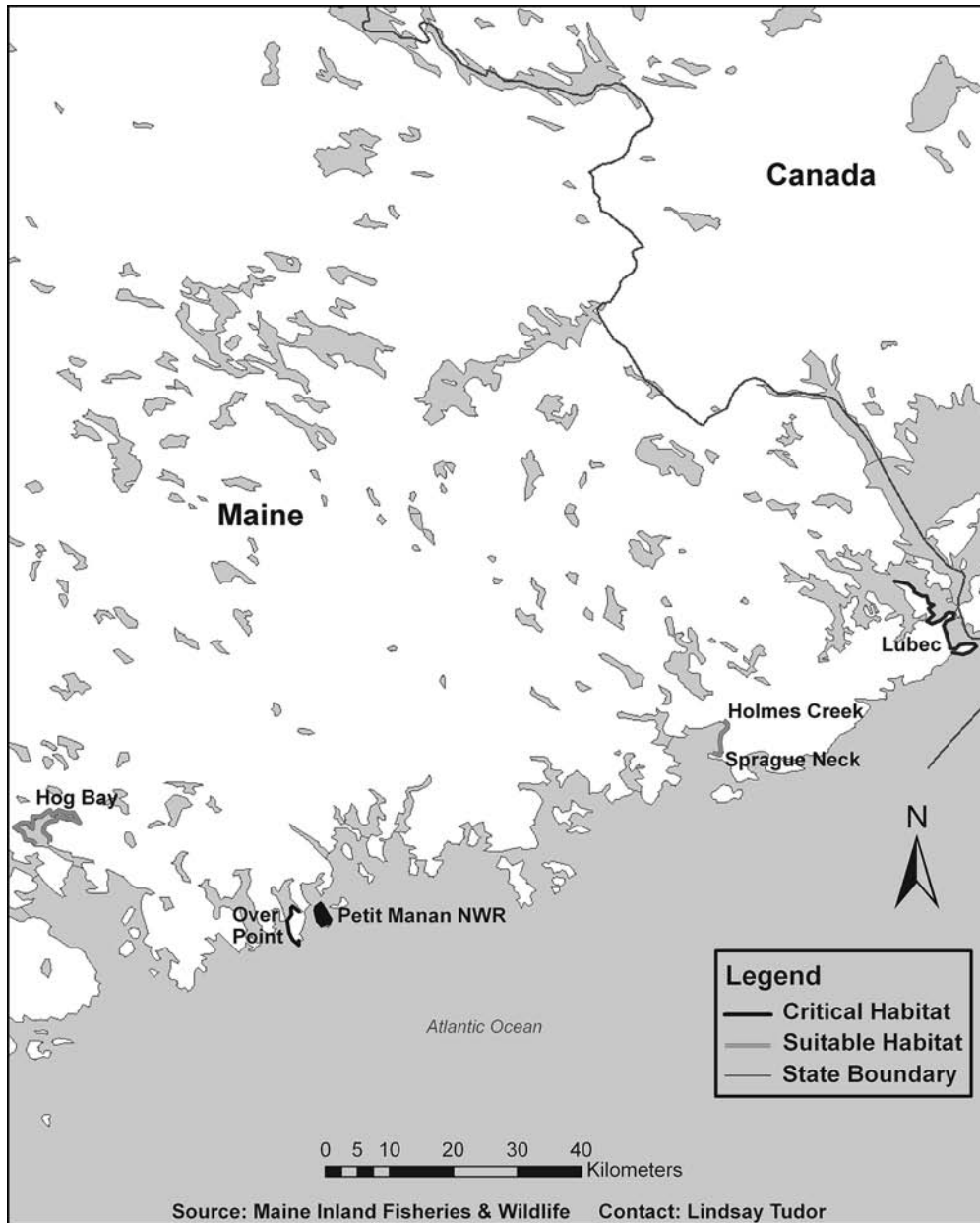


MAP 23. Critical habitat in Massachusetts.

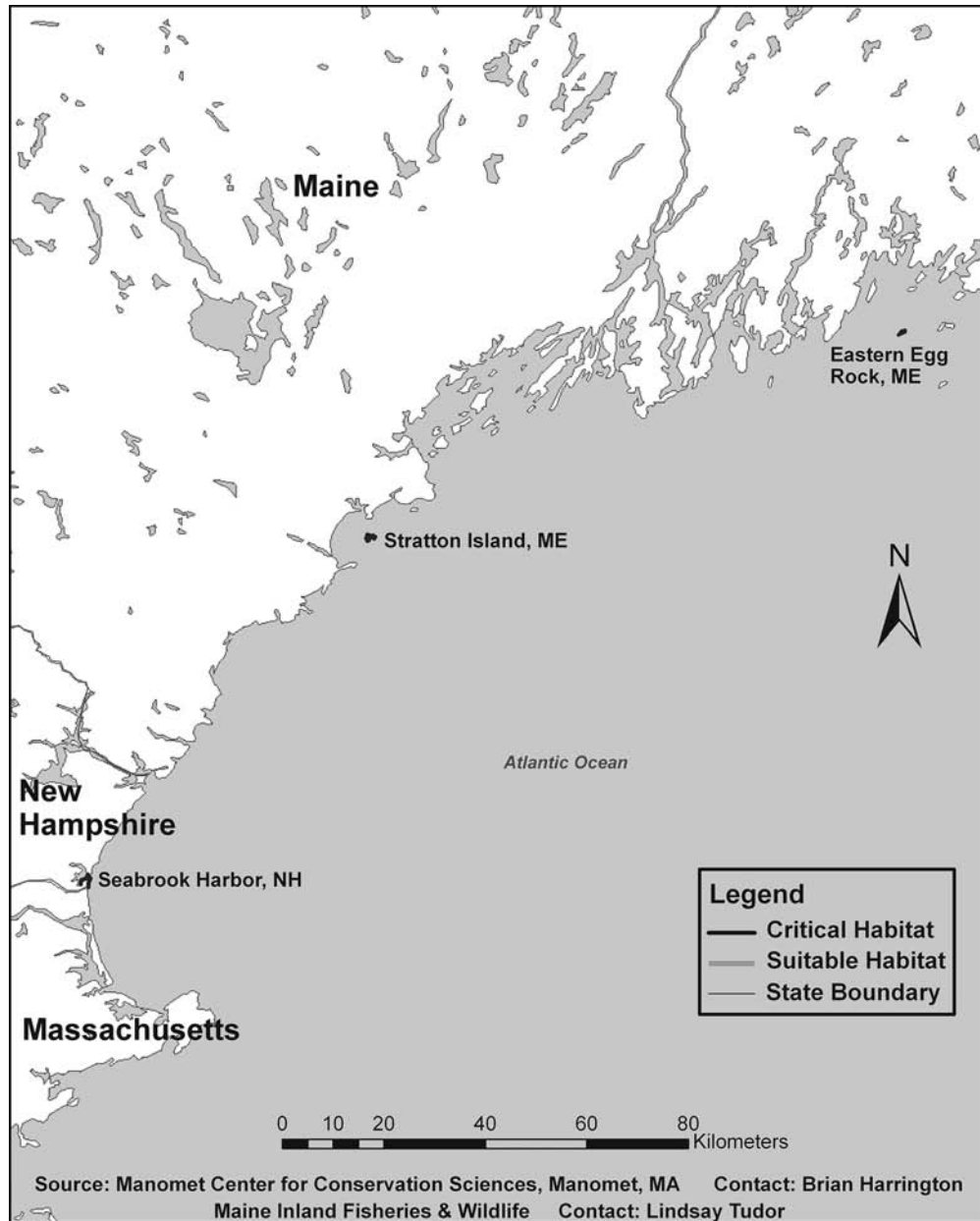


MAP 24. Critical habitat in Maine and New Hampshire.





MAP. 25. Critical habitat in northern Maine.



MAP 26. Critical habitat in southern Maine and New Hampshire.



MAP 27. Critical habitat in Canada.

APPENDIX 2. PEAK COUNTS OF RED KNOTS DURING SPRING AND FALL MIGRATION AT VARIOUS SITES IN FLORIDA. INTERSTITIAL PERIODS NOT INCLUDED. ISS = INTERNATIONAL SHOREBIRD SURVEY.

Fall Migration (1 Jul-31 Oct)				Spring Migration (1 Apr-10 Jun)			
Location	Peak Count	Year	Source	Location	Peak Count	Year	Source
5 Phosphate Mines	1	1992	ISS	5 Phosphate Mines	-	-	-
Alligator Point	132	1988	ISS	Alligator Point	-	-	-
Anclote Key	-	-	-	Anclote Key	-	-	-
Bald Point	10	1975	ISS	Bald Point	1	1981	ISS
	1	1977	ISS		4	1982	ISS
	6	1979	ISS		15	1983	ISS
	2	1981	ISS		11	1993	ISS
	5	1993	ISS		49	1993	ISS
	1	1994	ISS		87	1994	ISS
					15	1995	ISS
Bayway and Ft. Desoto	2	1975	ISS	Bayway and Ft. Desoto	-	-	-
Bell Glade Farm	9	1976	ISS	Bell Glade Farm	-	-	-
	1	1977	ISS		-	-	-
	2	1980	ISS		-	-	-
Caladesi Island	-	-	-	Caladesi Island	-	-	-
Cape Romano	15	1980	ISS	Cape Romano	25	1981	ISS
	95	1981	ISS		55	1982	ISS
	1,375	1982	ISS		1,050	1983	ISS
	1,300	1983	ISS		414	1984	ISS
	1,530	1984	ISS		300	1985	ISS
	1,250	1985	ISS		690	1986	ISS
	1,250	1986	ISS		1,205	1987	ISS
	915	1987	ISS		420	1988	ISS
	1,348	1988	ISS		1,000	1989	ISS
Cape San Blas	6	1981	ISS	Cape San Blas	16	1999	ISS
	8	1988	ISS				
Capri Pass	-	-	-	Capri Pass	-	-	-
Carl Ross Key	-	-	-	Carl Ross Key	-	-	-
Carrabelle Beach (CB)	160	1988	ISS	Carrabelle Beach	109	1993	ISS
	98	1992	ISS		6	1994	ISS
	102	1993	ISS		90	1995	ISS
	6	1994	ISS				
	50	1995	ISS				
CB Lighthouse	64	1995	ISS				
CB W picnic	45	1993	ISS				
Casey Key Beach	72	1977	ISS	Casey Key Beach	5	1978	ISS
	41	1978	ISS		21	1980	ISS
	460	1979	ISS		168	1981	ISS
	31	1981	ISS		7	1982	ISS
	13	1983	ISS		34	1983	ISS
CC Causeway	7	1977	ISS	CC Causeway	-	-	-
Clear Springs	-	-	-	Clear Springs	1	1981	ISS
Crooked Island	-	-	-	Crooked Island	-	-	-
Ding Darling NWR	28	1999	ISS	Ding Darling NWR	14	2003	ISS
Dunedin	-	-	-	Dunedin	-	-	-
East of Bay North	-	-	-	East of Bay North	-	-	-
Englewood	-	-	-	Englewood	-	-	-
FSU Marine Lab	-	-	-	FSU Marine Lab	27	1993	ISS
					4	1994	ISS
Ft. Desoto	800	1999	B. A. Harrington, (unpubl. data)	Ft. Desoto	-	-	-
	330	2004	B. A. Harrington, (unpubl. data)				
Ft. George Inlet	500	2003	B. A. Harrington, (unpubl. data)	Ft. George Inlet	1,500	2004	B. A. Harrington, (unpubl. data)

## APPENDIX 2. CONTINUED.

Fall Migration (1 Jul-31 Oct)				Spring Migration (1 Apr-10 Jun)			
Location	Peak Count	Year	Source	Location	Peak Count	Year	Source
Ft. Myers	351	1999	B. A. Harrington, (unpubl. data)	F.t Myers Beach	-	-	-
	400	2003	B. A. Harrington, (unpubl. data)				
Ft. Myers North	800	1999	B. A. Harrington, (unpubl. data)				
Ft. Pierce Inlet	2	1978	ISS	Ft. Pierce Inlet	-	-	-
	2	1979	ISS				
	5	1982	ISS				
Georgestone State Park	20	1979	ISS	Georgestone State Park	-	-	-
Hickory Mound Impound	-	-	-	Hickory Mound Impound	-	-	-
Honeymoon Island	4	1986	ISS	Honeymoon Island	200	1987	ISS
	8	1987	ISS		500	1988	ISS
	500	1989	ISS		250	1990	ISS
	40	1990	ISS		450	1993	ISS
	800	1992	ISS		500	1994	ISS
	500	1993	ISS		450	1995	ISS
	1,500	1994	ISS		20	1996	ISS
	700	1995	ISS		200	1997	ISS
	400	1996	ISS		350	1998	ISS
	400	1997	ISS		10	1999	ISS
	550	1998	ISS		180	2000	ISS
	1,100	1999	ISS		240	2001	ISS
	1,750	2000	ISS		146	2002	ISS
	360	2001	ISS		250	2003	ISS
	162	2002	ISS				
	1,140	2003	ISS				
(Honeymoon Isl. South Beach	12	1992	ISS				
Hooker's Point	200	1979	ISS	Hooker's Point	300	1980	ISS
	10	1980	ISS				
Hugenot State Park, Ward's Bank	2	1977	ISS	Hugenot State Park, Ward's Bank	35	1980	ISS
	5	1978	ISS				
	400	1979	ISS				
	2,069	1980	ISS				
Island N	-	-	-	Island N	-	-	-
Bunces Pass	-	-	-	Bunces Pass	-	-	-
Kennedy Space Center	-	-	-	Kennedy Space Center	-	-	-
Lake Ingraham	-	-	-	Lake Ingraham	-	-	-
Lake Woodruff NWR	-	-	-	Lake Woodruff NWR	1	2003	ISS
Lanark Reef	-	-	-	Lanark Reef	-	-	-
Lido Beach	-	-	-	Lido Beach	-	-	-
Little Estero	-	-	-	Little Estero	-	-	-
Longboat Key	1,700	1977	ISS	Longboat Key	39	1981	ISS
	700	1979	ISS		2	1982	ISS
	1,300	1981	ISS		60	1983	ISS
	750	1982	ISS				
	250	1983	ISS				
	400	1999	B. A. Harrington, (unpubl. data)				
Marco Island, Tigertail Beach	-	-	-	Marco Island, Tigertail Beach	-	-	-
Marco River	300	1974	ISS	Marco River	258	1981	ISS
	80	1975	ISS		138	1982	ISS

## APPENDIX 2. CONTINUED.

Fall Migration (1 Jul-31 Oct)				Spring Migration (1 Apr-10 Jun)			
Location	Peak Count	Year	Source	Location	Peak Count	Year	Source
Marco River	70	1976	ISS	Marco River	500	1983	ISS
(continued)	120	1977	ISS	(continued)	600	1984	ISS
	410	1978	ISS		474	1985	ISS
	300	1979	ISS		450	1986	ISS
	216	1980	ISS		360	1987	ISS
	298	1981	ISS		353	1988	ISS
	279	1982	ISS		172	1989	ISS
	247	1983	ISS				
	291	1984	ISS				
	1,211	1985	ISS				
	598	1986	ISS				
	301	1987	ISS				
	282	1988	ISS				
Mayport Naval Stn., Jetties Beach	1	2003	ISS	Mayport Naval Stn., Jetties Beach	-	-	-
Mckay Bay, Tampa	-	-	-	Mckay Bay, Tampa	80	1993	ISS
Merritt Island NWR (10D)	-	-	-	Merritt Island NWR (10D)	-	-	-
N. Sarasota Bay	1	1978	ISS	N. Sarasota Bay	-	-	-
Naples	10	1981	ISS	Naples	33	1981	ISS
					1	1982	ISS
Nassau Sound	15	2004	B. A. Harrington, (unpubl. data)	Nassau Sound	-	-	-
Nevarre Beach, Pensacola	7	1977	ISS	Nevarre Beach, Pensacola	-	-	-
New Smyrna Beach	6	1975	ISS	New Smyrna Beach	-	-	-
Palm Island Resort	-	-	-	Palm Island Resort	-	-	-
Palm Key	-	-	-	Palm Key	-	-	-
Passage Key	-	-	-	Passage Key	-	-	-
Phipps Preserve	-	-	-	Phipps Preserve	-	-	-
Port Orange	-	-	-	Port Orange	-	-	-
Spoil Islands				Spoil Islands			
Sanibel Island	292	1975	ISS	Sanibel Island	41	1986	ISS
	198	1979	ISS	Ramada to Lighthouse	10	1988	ISS
	150	2001	B. A. Harrington, (unpubl. data)		200	1989	ISS
					109	1990	ISS
					200	1992	ISS
Sarasota	550	1981	Harrington and Leddy (1982)	Sarasota	-	-	-
Shell Island Inlet, W	-	-	-	Shell Island Inlet, W	3	1993	ISS
Snake Bight	-	-	-	Snake Bight	-	-	-
St Marks NWR	2	1988	ISS	St Marks NWR	-	-	-
	4	1993	ISS				
St. Petersburg	800	1981	Harrington and Leddy 1982	St. Petersburg	-	-	-
	450	1999	B. A. Harrington, (unpubl. data)				
St. Vincent NWR	75	1988	ISS	St. Vincent NWR	22	1988	ISS
					7	2000	ISS
					120	2001	ISS

## APPENDIX 2. CONTINUED.

Fall Migration (1 Jul-31 Oct)				Spring Migration (1 Apr-10 Jun)			
Location	Peak Count	Year	Source	Location	Peak Count	Year	Source
St. George Island	25	1978	ISS	St. George Island	7	1981	ISS
	11	1979	ISS		4	1983	ISS
	3	1982	ISS				
Three Rooker Bar				Three Rooker Bar			
Turkey Point Venice	-	-	-	Turkey Point Venice	1	1993	ISS
	6	1977	ISS		-	-	-
	9	1978	ISS				
West Lake Virginia Key mudflats	26	1984	ISS	West Lake Virginia Key Mudflats	10	1985	ISS
	8	1985	ISS				
	17	1986	ISS				
sewage	12	1984	ISS				
sewage	5	1985	ISS				
sewage	6	1986	ISS				
Yent Bayou	2	1994	Sprandel et al. (1997)	Yent Bayou	22	1994	Sprandel et al. (1997)

APPENDIX 3. PEAK COUNTS OF RED KNOTS DURING WINTER AT VARIOUS SITES IN FLORIDA. INTERSTITIAL PERIODS NOT INCLUDED. ISS = INTERNATIONAL SHOREBIRD SURVEY.

Winter (1 Nov -28 Feb)			
Location	Peak count	Year	Source
5 Phosphate Mines	1	1990	ISS
Alligator Point	62	1988	ISS
	42	1989	ISS
North Anclote Key	1	1993	Sprandel et al. (1997)
	12	1994	Sprandel et al. (1997)
South Anclote Key	53	1994	Sprandel et al. (1997)
Bald Point	20	1977	ISS
	16	1994	ISS
Bayway and Ft Desoto	-	-	-
Bell Glade Farm	-	-	-
North Caladesi Island	300	1994	Sprandel et al. (1997)
Dunedin Pass	165	1994	Sprandel et al. (1997)
Cape Romano	600	1980	ISS
	902	1981	ISS
	1,025	1982	ISS
	1,625	1983	ISS
	1,800	1984	ISS
	2,000	1985	ISS
	1,410	1987	ISS
	1,170	1988	ISS
	650	1989	ISS
	200	2003	B. A. Harrington (unpubl. data)
Morgan Beach	1,550	1993	ISS
Cape San Blas	37	1988	ISS
	120	1993	ISS
Capri Pass	30	1993	ISS
	286	1994	Sprandel et al. (1997)
Carl Ross Key	4	1993	ISS
Carrabelle Beach	203	1992	ISS
	114	1993	ISS
	69	1994	Sprandel et al. (1997)
	105	1995	ISS
	24	1996	ISS
Casey Key Beach	300	1977	ISS
	195	1978	ISS
	6,500	1979	ISS
	402	1980	ISS
	365	1981	ISS
	200	1983	ISS
	844	1984	ISS
CC Causeway	20	1977	ISS
	39	1994	Sprandel et al. (1997)
	19	1994	ISS
Clear Springs Phosphate Mine	-	-	-
Crooked Island	4	1993	ISS
Ding Darling NWR	1,000	1990	ISS
	30	1994	Sprandel et al. (1997)
	35	2000	ISS
	31	2003	ISS
Dunedin	3,000	2001	B. A. Harrington (unpubl. data)
East of Bay North	1	1993	ISS
	5	1995	ISS
Englewood	1,125	1982	Harrington and Leddy (1982)
FSU Marine Lab	1	1978	ISS
Ft. Desoto	400	2003	B. A. Harrington (unpubl. data)
	125	2004	B. A. Harrington (unpubl. data)
Ft. Desoto East and North	9	1994	Sprandel et al. (1997)



## APPENDIX 3. CONTINUED.

Location	Winter (1 Nov -28 Feb)		
	Peak count	Year	Source
Ft. Desoto North	6	1993	ISS
Ft. George Inlet	-	-	-
Ft. Myers Lagoon	30	1993	ISS
Ft. Pierce Inlet	1	1979	ISS
Georgestone State Park	16	1979	ISS
Hickory Mound Impoundment	15	1995	ISS
Honeymoon Island	10	1986	ISS
	30	1988	ISS
	200	1989	ISS
	100	1990	ISS
	1,000	1992	ISS
	1,520	1993	ISS
	1,500	1994	ISS
	2,300	1995	ISS
	1,000	1996	ISS
	300	1997	ISS
	400	1998	ISS
	700	1999	ISS
	550	2000	ISS
	300	2001	ISS
	140	2002	ISS
	191	2003	ISS
	4	2004	ISS
Honeymoon Island north of toll booth	1	1993	ISS
Hooker's Point, Tampa	-	-	-
Hugenot State Park, Ward's Bank	402	1977	ISS
	603	1978	ISS
	156	1979	ISS
	500	1980	ISS
	4	1980	ISS
	2	1981	ISS
Island N Bunces Pass	280	1994	Sprandel et al. (1997)
Kennedy Space Center	2	1994	Sprandel et al. (1997)
Lake Ingraham	10	1993	Sprandel et al. (1997)
	122	1994	Sprandel et al. (1997)
Lake Woodruff NWR	-	-	-
Lanark Reef	212	1993	ISS
	147	1994	Sprandel et al. (1997)
Lido Beach	7	1994	Sprandel et al. (1997)
Little Estero	241	1993	Sprandel et al. (1997)
	164	1994	Sprandel et al. (1997)
Longboat Key	1,400	1982	Harrington and Leddy (1982)
	3,000	2000	B. A. Harrington (unpubl. data)
	2,300	2004	B. A. Harrington (unpubl. data)
North Longboat Key	100	1977	ISS
	2,000	1978	ISS
	1,000	1979	ISS
	700	1980	ISS
	550	1981	ISS
	140	1993	ISS
Beer Can Island	100	1977	ISS
Beer Can Island	100	1978	ISS
Marco Island, Tigertail Beach	25	1993	ISS
Marco River	150	1974	ISS
	20	1975	ISS
	5	1976	ISS
	1	1977	ISS

## APPENDIX 3. CONTINUED.

Location	Winter (1 Nov -28 Feb)		
	Peak count	Year	Source
Marco River	100	1978	ISS
(continued)	35	1979	ISS
	60	1980	ISS
	130	1981	ISS
	89	1982	ISS
	70	1983	ISS
	25	1984	ISS
	487	1985	ISS
	490	1986	ISS
	2	1986	ISS
	800	1987	ISS
	275	1988	ISS
	200	1989	ISS
Mayport Naval Station, Jetties Beach	-	-	-
Mckay Bay, Tampa	-	-	-
Merritt Island NWR 10D	9	1999	ISS
	140	2002	ISS
Merritt Island NWR Black Point Dr	31	1993	ISS
	164	1994	Sprandel et al. (1997)
Merritt Island NWR T10B	53	1999	ISS
	3	2000	ISS
	7	2002	ISS
	47	1999	ISS
N. Sarasota Bay	-	-	-
Naples	19	1981	ISS
	12	1982	ISS
Nassau Sound	-	-	-
Nevarre Beach, Pensacola	-	-	-
New Smyrna Beach	-	-	-
Palm Island Resort	1	1993	Sprandel et al. (1997)
	223	1994	Sprandel et al. (1997)
Palm Key	22	1993	ISS
	65	1994	Sprandel et al. (1997)
Passage Key	300	1994	Sprandel et al. (1997)
Phipps Preserve	42	1993	ISS
Port Orange Spoil Islands	6	1993	ISS
Sanibel Island A	50	1980	ISS
	75	2004	B. A. Harrington (unpubl. data)
Sarasota	900	1981	Harrington and Leddy (1982)
	4,200	1981	Harrington and Leddy (1982)
	200	2004	B. A. Harrington (unpubl. data)
Shell Key	775	1994	Sprandel et al. (1997)
	3,000	2000	B. A. Harrington (unpubl. data)
	3,000	2001	B. A. Harrington (unpubl. data)
Snake Bight	120	1993	ISS
	60	1994	Sprandel et al. (1997)
St Marks NWR	10	1989	ISS
(Lighthouse)	10	1988	ISS
(Lighthouse)	3	1993	ISS
St. Petersburg	325	2004	B. A. Harrington (unpubl. data)
St. Vincent Island - Indian Pass	15	1994	ISS
St. George Island	80	1978	ISS
	1	1982	ISS
	3	1983	ISS
Three Rooker Bar (North)	59	1994	Sprandel et al. (1997)
(Southeast)	20	1994	Sprandel et al. (1997)
Turkey Point	-	-	-

## APPENDIX 3. CONTINUED.

Location	Winter (1 Nov -28 Feb)		
	Peak count	Year	Source
Venice	125	1977	ISS
	11	1978	ISS
	56	1979	ISS
West Lake	1	1994	ISS
Virginia Key Mudflats	-	-	-
Yent Bayou	31	1993	ISS
	116	1994	Sprandel et al. (1997)
	81	1995	ISS
	118	1996	ISS

APPENDIX 4. SUMMARY TABLE OF LAND OWNERSHIP AND EXISTING HABITAT PROTECTION FOR POPULATIONS OF RED KNOTS IN THE WESTERN HEMISPHERE.

Country and province/state	Area	Ownership	Approximate percent of habitat under protection
Chile			
Region XII-Magallanes y la Antártica Chilena	Bahía Lomas	1. Federal—Chilean Navy— Dirección del Territorio Marítimo y Marina Mercante 2. Private	100%
Argentina			
Tierra del Fuego	Río Grande	1. Reserva Costa Atlántica de Tierra del Fuego 2. Private	100%
	Bahía San Sebastián	1. Reserva Costa Atlántica de Tierra del Fuego 2. Private	100%
Santa Cruz	Río Gallegos Estuary	1. Reserva Urbana Costera del Río Chico 2. Reserva Provincial de Río Chico Para Aves Playeras Migratorias	100%
Chubut	Bahía Bustamante	1. Public 2. Private	100%
	Península Valdés	1. Public 2. Private	100%
Río Negro	San Antonio Oeste	Bahía San Antonio Natural Protected Area	100%
Buenos Aires	Bahía Samborombón	1. Provincial Integral Natural Reserve with restricted access 2. Provincial Integral Natural Reserve Rincón de Ajó 3. Campos del Tuyú Private Reserve- Fundación Vida Silvestre Argentina 4. Punta Rasa Biological Station— (Argentinean Navy) and the Fundación Vida Silvestre Argentina 5. Punta Rasa Traveled Municipal Ecological Reserve	100%
Brazil			
Maranhão	Baía de Turiaçu	Protected Environmental Area of Reentrâncias Maranhenses	~50%
	Baía dos Lençóis	Protected environmental area of Reentrâncias Maranhenses	~50%
Río Grande do Sul	Lagoa do Peixe National Park	1. Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis 2. Municipal- São José do Norte, Mostardas and Tavare	2,971.44 ha, or 8.6% of total area
United States			
Franklin County Florida	Yent Bayou	Private land— part of the Hidden Beaches and Victorian Village developments	0%
	Carrabelle Beach	State and county land	
	Lanark Reef	State and private land	~50%
Brevard County Florida	Merritt Island NWR- Black Point Drive	USFWS	100%
	Kennedy Space Center	NASA	100%
Pinellas County Florida	Anclote Key	Florida Park Service	100%
	Three Rooker Bar	Florida Park Service	100%
	Honeymoon Island	Florida Park Service	100%
	Caladesi Island- Hurricane Pass	Florida Park Service	100%

## APPENDIX 4. CONTINUED.

Country and province/state	Area	Ownership	Approximate percent of habitat under protection
	Caladesi Island-Dunedin Pass	Florida Park Service	100%
	Courtney Campbell Causeway SE	Department of Transportation	0%
	Shell Key	Owned by the state of Florida but leased by Pinellas County	100%
	Island north of Bunces Pass	Owned by the state of Florida but leased by Pinellas County	100%
	Fort Desoto- NW end	Pinellas County	~50%
	Fort Desoto- east end	Pinellas County	~50%
	Passage Key	USFWS	100%
Sarasota County Florida	Lido Beach	Sarasota County	0%
	Palm Island	State and private resort	~50%
Lee County Florida	Ding Darling NWR-Back bay of Sanibel Is.	USFWS	~50%
	Little Estero Island	State	100%
Collier County Florida	Capri Pass (Key Island)	State and federal	~50%
Monroe County Florida	Lake Ingraham- SE end	National Park Service (NPS)	100%
	Snake Bite Channel	NPS	100%
	Area NW of Palm Key	NPS	100%
Chatham County Georgia	Little Tybee Island	State government	~50%
	Wassaw Island	Federal government	100%
	Ogeeche River Bar	State government	100%
Bryan County Georgia	Ossabaw Island	State government	100%
Liberty County Georgia	St. Catherines Island	Private—St. Catherines Island Foundation	100%
	St. Catherines Bar	State	100%
	Grass Island	State	100%
McIntosh County Georgia	Blackbeard Island	Federal government	100%
	Sapelo Island	State government	100%
	Wolf Island	Federal government	100%
	Little Egg Island Bar	State government	100%
Glynn County Georgia	Little St. Simons Island	Private—resort	~50%
	Sea Island	Private	0%
	St. Simons Island-Gould's Inlet	Municipality	0%
	Jekyll Island	State park	~50%
Camden County Georgia	Little Cumberland Island	Private	~50%
	Cumberland Island	Federal government	100%
Horry County South Carolina	Waite's Island	State—coastal Carolina University segment	~50%
	Myrtle Beach State Park	State	~50%
Georgetown County South Carolina	Huntington Beach State Park	State	~50%
	North Island	State—Tom Yawkey Wildlife Center South Carolina Department of Natural Resources (SCDNR) Heritage Preserve	100%
	Sand/South Island	State—Tom Yawkey Wildlife Center SCDNR Heritage Preserve	100%
	Cedar Island	State—SCDNR Santee Coastal Reserve	100%

## APPENDIX 4. CONTINUED.

Country and province/state	Area	Ownership	Approximate percent of habitat under protection	
Charleston County South Carolina	Murphy Island	State—SCDNR Santee Coastal Reserve	100%	
	Cape/Lighthouse Islands National	Federal—Cape Romain Wildlife Refuge (NWR)	100%	
	Raccoon Key	Federal—Cape Romain NWR	100%	
	Bull Island	Federal—Cape Romain NWR	100%	
	Capers Island	State—SCDNR Heritage Preserve	100%	
	Isle of Palms County Park	County	~50%	
	Folly Beach County Park north end	County	~50%	
	Folly Beach County Park south end	County	~50%	
	Beachwalker County Park at Kiawah Island	County	~50%	
	Botany Bay Island	Private—conservation easement held by SC Nature Conservancy	100%	
	Botany Bay Plantation (Edisto Island)	State	100%	
	Colleton County South Carolina	Edisto Beach State Park	State	100%
		Pine Island	State—SCDNR	100%
	Beaufort County South Carolina	Otter Island	State—SCDNR Heritage Preserve	100%
Hunting Island State Park		State	100%	
Pritchards Island		State—University of South Carolina	100%	
Jasper County South Carolina	St. Phillips Island	Private—conservation easement held by SC Nature Conservancy	100%	
	Turtle Island	State—SCDNR Heritage Preserve	100%	
Dare County North Carolina	Pea Island	Federal—NWR	100%	
Hyde County North Carolina	Clam Shoal	Private—remote due to remote nature	100%	
	Cape Hatteras National Seashore	Federal—NPS	100%	
Carteret County North Carolina	Bird Shoals	State—NC National Estuarine Research Reserve	100%	
Rachel Carson	State—NC National Estuarine Research Reserve	100%		
Onslow County North Carolina	Cape Lookout National Seashore	Federal—NPS	100%	
	Bear Island/Bogue Inlet	State—NC State Parks	100%	
	Tubbs Inlet	1. Private—not protected 2. State	~50%	
Brunswick County North Carolina	Assateague Island	Chincoteague National Wildlife Refuge (CNWR)	100%	
Accomack County Virginia	Wallops Island	NASA	100%	
	Assawoman Island	CNWR	100%	
	Metompkin Island	1. TNC 2. CNWR	100%	
	Cedar Island	1. CNWR 2. TNC	80%	
	Parramore Island	1. TNC 2. Virginia Department of Conservation and Recreation (VDCR)	100%	
	Hog Island	TNC	95%	
Northampton County, Virginia	Cobb Island	TNC	100%	

## APPENDIX 4. CONTINUED.

Country and province/state	Area	Ownership	Approximate percent of habitat under protection
	Little Cobb Island	TNC	100%
	Wreck Island	VDCR – Division of Natural Heritage	100%
	Ship Shoal Island	TNC	100%
	Myrtle Island	TNC	100%
	Smith Island	TNC	100%
	Fisherman Island	Fisherman's Island NWR	100%
Baltimore County Maryland	Hart-Miller Island	State- Maryland State Park	100%
Talbot County Maryland	Poplar Island	1. U.S. Army Corps of Engineers 2. MD Port Administration	100%
Worcester County Maryland	Assateague Island	1. Assateague Island National Seashore – NPS 2. Chincoteague NWR 3. Assateague State Park – Maryland Department of Natural Resources	100%
Kent County Delaware	Bombay Hook	Federal – NWR	100%
	Port Mahon	State	0%
	Little Creek	State	100%
	Wildlife Area		
	Ted Harvey	State	100%
	Wildlife Area		
	Pickering beach	Private – not protected	0%
	Kitts Hummock	Private – not protected	0%
	North Bowers Beach	Private – not protected	0%
	South Bowers Beach	Private – not protected	0%
	Bennetts Pier	Delaware Wildlands	100%
	Big Stone Beach- Conch Bar	1. TNC 2. State	75%
	Mispiration Inlet	Private – not protected	0%
Sussex County Delaware	Slaughter beach	State and private – not protected	~50%
	Prime Hook	State Park	100%
	Cape Henlopen	State Park	100%
Cumberland and Cape May Counties New Jersey	Delaware Bay shoreline	1. Dennis Creek Wildlife Management Area (WMA) 2. Heislerville WMA 3. Egg Island WMA 4. USFWS – Cape May NWR	30%
Cape May County New Jersey	Hereford Inlet	Municipal	0%
Atlantic County New Jersey	Brigantine	North Brigantine Natural Area	50%
New York City- Jamaica County New York	Jamaica Bay Wildlife Refuge	1. Federal – Gateway National Recreation Area 2. Private	~50%
Middlesex County Connecticut	Sandy Point	Private	0%
New Haven County Connecticut	Milford Point	Stewart McKinney NWR	100%
Fairfield County Connecticut	Long Beach	Private	0%
	Cockenoe Island	Private	0%
Newport County Rhode Island	Quicksand Pond	Goosewing Beach Preserve	100%
Washington County Rhode Island	Ninigret Pond	Ninigret NWR	100%
Essex County Massachusetts	Napatree Point Plum Island	Napatree Point Conservation Area Federal – NWR	100% 75%

## APPENDIX 4. CONTINUED.

Country and province/state	Area	Ownership	Approximate percent of habitat under protection
	Newbury Port	Private—municipal (part of Plum Island)	0%
Plymouth County Massachusetts	Scituate	1. Municipal 2. Private	50%
	Duxbury Beach	1. Private—Duxbury Beach Reservation, Inc. 2. Municipal	~50%
	Plymouth Beach	1. Private—not protected 2. Municipal	0%
Barnstable County Massachusetts	Nauset Coast Guard Beach	National Park Service—Cape Cod National Seashore	100%
	Sandy Neck	1. Private-TNC 2. Municipal—Town of Barnstable	100%
	South beach Island	1. Federal—Monomoy NWR 2. Municipal	100%
Rockingham County New Hampshire	Monomoy NWR	Federal—USFWS	100%
Washington County Maine	Seabrook Harbor Flats and Beaches	1. County and Municipal 2. Private	85%
	Lubec Flats	Maine Department of Inland Fisheries and Wildlife (MDIFW)	100%
	Sprague Neck and Holmes Bay	U.S. Navy Ecological Reserve—Cutler Naval Station	100%
	West River (Indian River)	1. Private 2. MDIFW	25%
	Mash Harbor	Private—not protected	0%
	Flat Bay	1. Private 2. MDIFW	25%
	Petit Manan Island and Petit Manan Point	Federal—Petit Manan NWR	100%
	Over Point	Private—not protected	0%
Hancock County Maine	Ship Island	Maine Coastal Island NWR	100%
Waldo County Maine	Hog Bay	Private—farmland	0%
Lincoln County Maine	Spruce Island	Private—not protected	0%
Cumberland County Maine	Eastern Egg Rock	MDIFW—managed by National Audubon Society	100%
York County Maine	Scarborough Marsh	MDIFW	100%
	Stratton Island	National Audubon Society	100%
	Bluff Island	National Audubon Society	100%
	Biddeford Pool	Private—not protected	0%
Canada Nunavut	King William Island	Inuit-owned lands (Nunavut Land Claims Agreement)—Canadian Wildlife Service (CWS)	100%
	Southampton Island	1. Inuit-owned lands (Nunavut Land Claims Agreement) 2. CWS—East Bay Bird Sanctuary and Harry Gibbons Bird Sanctuary	100%
Ontario	Western James Bay	Unknown	?%
New Brunswick	Northern Bay of Fundy-Chignecto Bay	Fundy National Park	?%
Nova Scotia	Northern Bay of Fundy-Minas Basin	Boot Island National Wildlife Area	?%