

UNITED STATES DEPARTMENT OF THE INTERIOR

DRAFT ENVIRONMENTAL IMPACT STATEMENT

#7534176

1088069952

TN
872
.A45
1981
v.2



PROPOSED 1981 OUTER CONTINENTAL SHELF
OIL AND GAS LEASE SALE NO. 56

PREPARED BY:
THE BUREAU OF LAND MANAGEMENT
OUTER CONTINENTAL SHELF OFFICE

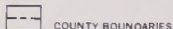
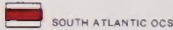
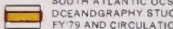
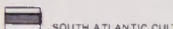
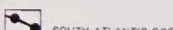
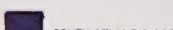
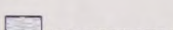
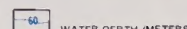
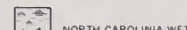
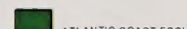
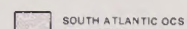
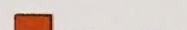

NEW ORLEANS, LA.

TN
872
.A45
1981
v.2

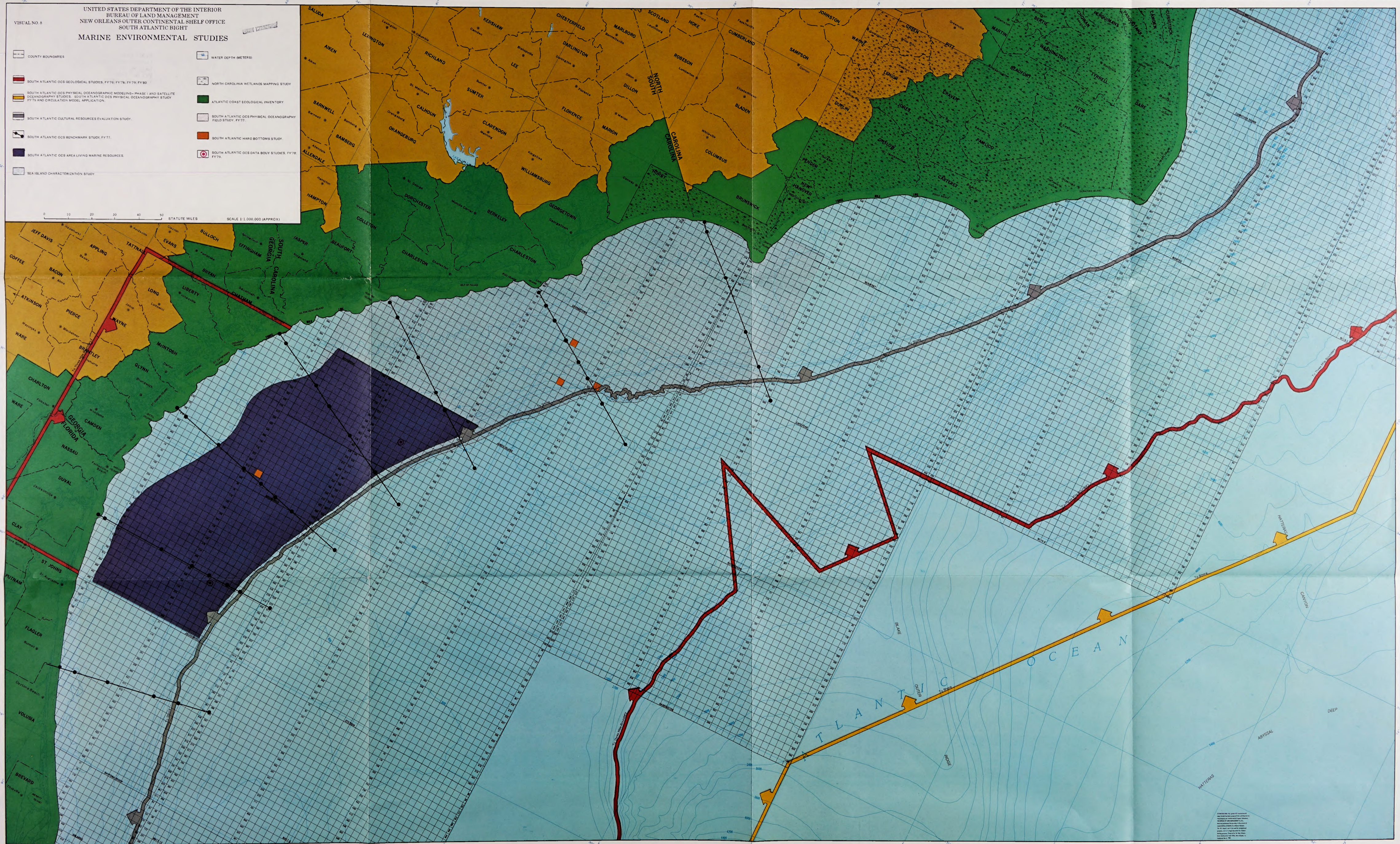
Bureau of Land Management
Library
Bldg. 50, Denver Federal Center
Denver, CO 80225

UNITED STATES DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE
 SOUTH ATLANTIC BIGHT
MARINE ENVIRONMENTAL STUDIES

VISUAL NO. 8

-  COUNTY BOUNDARIES
-  SOUTH ATLANTIC OCS GEOLOGICAL STUDIES, FY'76, FY'78, FY'79, FY'80
-  SOUTH ATLANTIC OCS PHYSICAL OCEANOGRAPHIC MODELING - PHASE I AND SATELLITE OCEANOGRAPHY STUDIES, SOUTH ATLANTIC OCS PHYSICAL OCEANOGRAPHY STUDY FY'79 AND CIRCULATION MODEL APPLICATION
-  SOUTH ATLANTIC CULTURAL RESOURCES EVALUATION STUDY
-  SOUTH ATLANTIC OCS BENCHMARK STUDY, FY'77
-  SOUTH ATLANTIC OCS AREA LIVING MARINE RESOURCES
-  SEA ISLAND CHARACTERIZATION STUDY
-  WATER DEPTH (METERS)
-  NORTH CAROLINA WETLANDS MAPPING STUDY
-  ATLANTIC COAST ECOLOGICAL INVENTORY
-  SOUTH ATLANTIC OCS PHYSICAL OCEANOGRAPHY FIELD STUDY, FY'77
-  SOUTH ATLANTIC HARBOR BOTTOMS STUDY
-  SOUTH ATLANTIC OCS DATA BOUY STUDIES, FY'78, FY'79

0 10 20 30 40 50 STATUTE MILES
 SCALE 1:1,000,000 (APPROX.)



THIS MAP IS THE PROPERTY OF THE BUREAU OF LAND MANAGEMENT, U.S. DEPARTMENT OF THE INTERIOR. IT IS LOANED TO YOU AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE BUREAU OF LAND MANAGEMENT.

07534176

ID. 9906 9952

TN
872
A45
1931
v. 2

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

#09584176

ID: 89069952

TN
872
-A45
1981
v.2

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

UNITED STATES DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE
 SOUTH ATLANTIC BIGHT

LEASE STATUS AND INFRASTRUCTURE

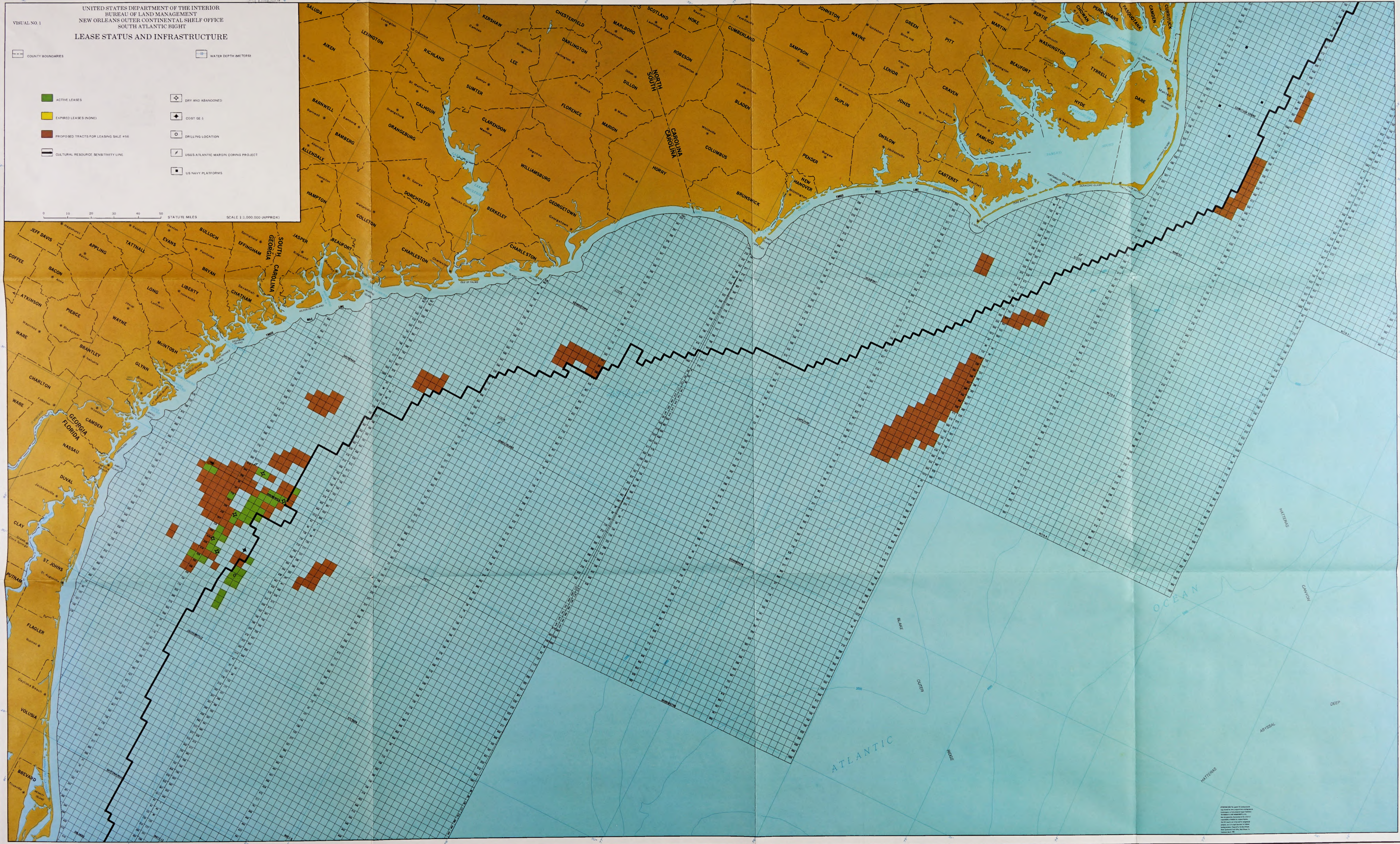
VISUAL NO. 1

--- COUNTY BOUNDARIES [0-10] WATER DEPTH (METERS)

■ ACTIVE LEASES
 ■ EXPIRED LEASES (NONE)
 ■ PROPOSED TRACTS FOR LEASING SALE #56
 --- CULTURAL RESOURCE SENSITIVITY LINE

⊕ DRY AND ABANDONED
 ⊕ COST GE-1
 ○ DRILLING LOCATION
 ⊕ USGS ATLANTIC MARGIN CORING PROJECT
 ⊕ US NAVY PLATFORMS

0 10 20 30 40 50 STATUTE MILES SCALE 1:1,000,000 (APPROX)



© 2008 U.S. Department of the Interior, Bureau of Land Management. All rights reserved. This map is a technical drawing and does not constitute a contract. It is subject to change without notice. The map is not to be used for navigation. The map is not to be used for any other purpose without the express written consent of the Bureau of Land Management. The map is not to be used for any other purpose without the express written consent of the Bureau of Land Management. The map is not to be used for any other purpose without the express written consent of the Bureau of Land Management.

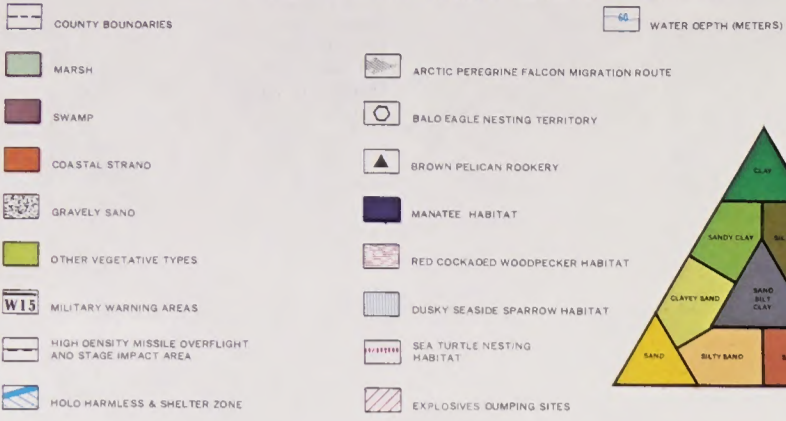
07534176 ID: 98064952

TN
872
.A95
1991
v. 2

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

BOTTOM SEDIMENTS, VEGETATION, ENDANGERED SPECIES AND MILITARY WARNING AREAS

VISUAL NO. 3



SOURCES: Charles D. Mohr, 1973 U.S.G. Professional Paper 829M; Peter Q. H. in BLM Environmental Studies Final 1977 Report, U.S. Geological Survey, Marine Geology Division; William H. L. and Bette P. R. in BLM South Atlantic Baseline Studies, 1977 Final Report, by Texas Instruments, Inc.

0 10 20 30 40 50
STATUTE MILES
SCALE 1:1,000,000 (APPROX)



© 1978 BLM. All rights reserved. This map is a reproduction of the original map. It is not to be used for navigation. The map is a reproduction of the original map. It is not to be used for navigation.

07534176

ID: 98069952

TN
872
.A45
1981
v.2

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

UNITED STATES DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE
 SOUTH ATLANTIC RIGHT
**RECREATION, CULTURE AND UNDERSEA FEATURES
 PELAGIC FISHERIES AND LIVEBOTTOMS**

VISUAL NO. 4

NOTE: Numbered Symbols Are Keved To Listings On Back Of Visual

LIVEBOTTOM TYPE ZONES

LOW RELIEF—1 meter of relief predominates; live bottom type in inner shelf zone (about 100-200M); but widely distributed across shelf.

HIGH RELIEF—2 meter of relief predominates; live bottom type in inner shelf zone (about 100-200M); but found as shallow as 30M.

MODERATE RELIEF—1-2 meter of relief predominates; live bottom type in midshelf zone (30-100M); common to cover 2/3 of the area; commonly found in inner and midshelf zones of North Carolina and North Florida.

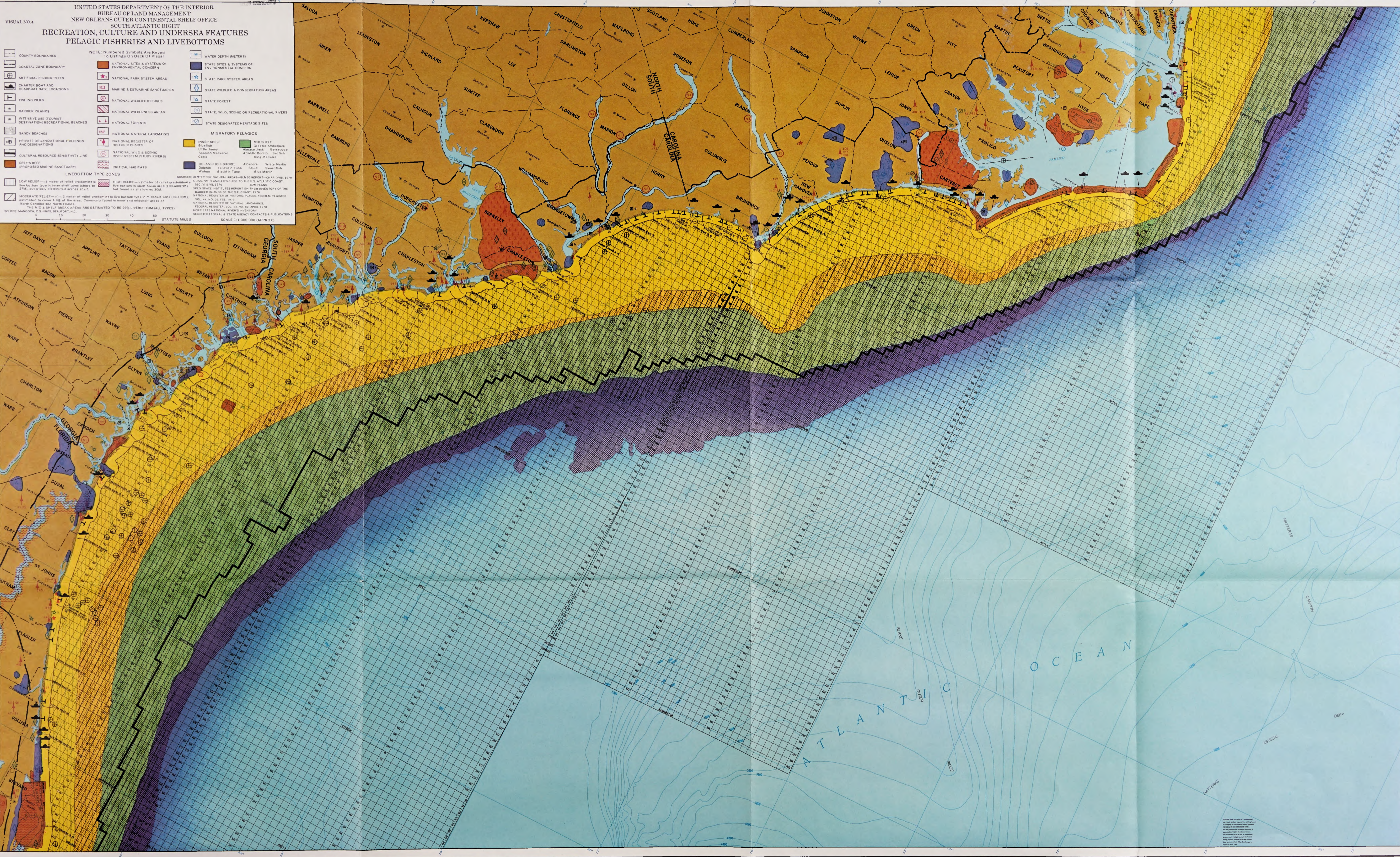
THE MID-SHELF BARE AREAS ARE ESTIMATED TO BE 2% LIVEBOTTOM (ALL TYPES).

SOURCE: MANDOOK, C.S. NIMS BEAUFORT, N.C.

MIGRATORY PELAGICS

SOURCES: CENTER FOR NATURAL AREAS—BIMC REPORT—CHAP. XVII, 1978
 NOAA NIMS ANGLER'S GUIDE TO THE U.S. ATLANTIC COAST
 SEC. VI & 1979, CDM PLANS
 GREEN SPACE INSTITUTES REPORT ON THEIR INVENTORY OF THE BARRIER ISLANDS OF THE S.E. COAST, 1976
 NATIONAL REGISTER OF HISTORIC PLACES, FEDERAL REGISTER VOL. 44, NO. 20, FEB. 1979
 NATIONAL REGISTER OF NATURAL LANDMARKS, FEDERAL REGISTER VOL. 43, NO. 41, APRIL 1978
 HORS 1978 NATIONAL RIVERS INVENTORY
 SELECTED FEDERAL & STATE AGENCY CONTACTS & PUBLICATIONS

SCALE 1:1,000,000 (APPROX.)



KEY TO ABBREVIATIONS		Dare County	STATE FORESTS	Charleston County	Beaufort County	NATIONAL NATURAL LANDMARKS	FLORIDA
AP - Aquatic Preserve	E - Eligible	36. Cape Hatteras Light Station	1. Hofmann SF	34. Grove Plantation	155. Anchoage, The (William Elliott House)	1. Lewis Island Tract	NATIONAL PARK SYSTEM AREAS
CT - Canoe Trail	GAPC - Geographic Area of Particular Concern	37. Caffey's Inlet Lifesaving Station		35. Willtown Bluff	156. Barnwell-Gough House	2. Wassaw Island	
EEL - Environmentally Endangered Lands	P - Proposed	37. Hatteras Weather Bureau Station		36. Sewee Mound	157. Barnwell, William House		
ES - Estuarine Sanctuary	UC - Under Consideration	38. Wright Brothers National Memorial	STATE DESIGNATED HERITAGE SITES (NHP)	37. Aiken, Gov. William House	158. Beaufort Historic District		
GMA - Game Management Area		39. Fort Raleigh National Historic Site	1. Pungo NWR	38. Aiken, William House and Associated Railroad Structures	159. Cutbrett, John A. House	NATIONAL MARINE and ESTUARINE SANCTUARIES	1. Canaveral NS
HPS - Heritage Preservation Sites		40. Nags Head Beach Cottages Historic District	2. Lake Mattamuskeett NWR	39. Bennett, Gov. Thomas House	160. The Marshlands	1. Grays Reef MS (UC)	2. Fort Caroline NM
HSS - Hallmark Status Sites		41. Chicamacomico Life Saving Station	3. Cape Lookout NS	40. Bethel Methodist Church	161. Smalls, Robert House	2. Sapelo Island ES	3. Castillo de San Marcos NM
MNA - Managed Natural Area		42. Oregon Inlet Station	4. Swanquarter NWR	41. Blacklock, William House	162. Tabby Manse (Thomas Fuller House)		4. Fort Matanzas NM
MS - Marine Sanctuary		43. Bodie Island Lifesaving/Coast Guard Station District (E)	5. Cedar Island NWR	42. Blake Tenements	163. Verrier, John Mark House		
NA - Natural Area		44. Site 31DR35 (E)	6. Goose Creek SP	43. Bradford-Horry House	164. Marine Corps Recruit Depot (E)	NATIONAL WILD & SCENIC RIVERS SYSTEM (STUDY RIVERS)	
NF - National Forests			7. Great Lake NA	44. Brewton, Miles House	165. Charles Forte	1. Savannah River (UC - So. C. also)	1. St. Johns River NWR
NHS - National Historic Site			8. Neuse River	45. Brewton, Robert House	166. Hunting Island State Park Lighthouse	2. Ogeechee River (Sec. 5a, P. L. 95-625)	2. Merritt Island NWR
NI - National Monument or Memorial			9. Bird Shoals Island Complex	46. Castle Pinckney	167. Parris Island Drydock and Commanding Generals House	3. Altamaha River (UC)	
NMP - National Military Park			10. White Oak River & Marsh	47. Central Baptist Church	168. Church of the Cross	4. Satilla River (UC)	CRITICAL HABITATS
NP - National Park			11. Shackleford Banks	48. Charleston Historic District	169. Coffin Point Plantation		
NRA - National Resource Area			12. Roosevelt SNA	49. Charleston's French Quarter District (Lodge Alley)	170. Penn Center Historic Distric (Penn School)		
NS - National Seashore			13. Croatan NF	50. Circular Congregational Church and Parish House	171. Tombee Plantation		
NWR - National Wildlife Refuge			14. Hofmann SF	51. Citizens and Southern National Bank of South Carolina	172. Sheldon Church Ruins		
PEA - Public Hunting Area			15. Hammock's Beach SP	52. College of Charleston	173. Sea Pines (Shell Rings)		
POG - Public Oyster Grounds			16. New River Inlet Reef	53. Dock Street Theatre (Planter's Hotel)	174. Green's Shell Enclosure		
RA - Restoration Area			17. Camp Lejeune Military Reservation	54. Exchange and Provost	175. Skull Creek (Hilton Head) (Shell Rings)		
RNA - Research Natural Area			18. Angola Bay WMA	55. Farmers and Exchange Bank	176. Chester Field (Shell Rings)		
SF - State Forest			19. Topsis Reef	56. Fireproof Building	177. Fort Frederic		
SGL - State Game Land			20. Holly Shelter SGL	57. Fort Sumter National Monument	178. Hasell Point Site (Shell Rings)		
SHS - State Historic Site			21. Masonboro Island SP	58. Gibbs, William House	179. Little Barnwell Island (Shell Rings)		
SNA - State Natural Area			22. Masonboro Reef	59. Heyward, Durose House	180. Indian Hill Site		
SP - State Park			23. Carolina Beach SP	60. Heyward-Washington House	181. Old Brass (Auldbrass)		
SRA - State Recreation Area			24. Orton Plantation & Orton Corners	61. Hibernian Hall			
SSA - State Shellfish Area			25. Bald Head Island SNA	62. Huguenot Church			
SSSA - Special Shellfish Seed Areas or Special State Shellfish Ground			26. Green Swamp	63. Kahal Kadosh Beth Elohim Synagogue			
SWR - State Wildlife Refuge				64. Lowdives Grove			
WMA - Wildlife or Waterfowl Management Area				65. Lucas, Jonathan House			
				66. Manigault, Joseph House			
Designators () Key				67. Market Hall and Sheds			
FCER - Federal Committee on Ecological Reserves				68. Meckady's Tavern and Long Room			
GHT - Georgia Heritage Trust				69. McLeod Plantation			
IBP - International Biological Program				70. Mills-Clyde Studio			
NAS - National Audubon Society				71. Nicholson, James House (Ashley Hall School)			
NHP - Natural Heritage Program				72. Old Bethel United Methodist Church			
LHS - Liberty County Historical Society				73. Old Marine Hospital			
SAF - Society of American Foresters				74. Old Slave Mart			
SCSA - Soil Conservation Society of America				75. Powder Magazine			
TNC - The Nature Conservancy				76. Presiding House			
YMS - Youth Museum of Savannah				77. Rheit, Robert Barnwell House			
				78. Roper, Robert William House			
				79. Rose, Thomas House			
				80. Russell, Nathaniel House			
				81. Rutledge, Edward House			
				82. Rutledge, Gov. John House			
				83. Simmons-Edwards House			
				84. South Carolina National Bank of Charleston			
				85. South Carolina State Arsenal (Old Citadel)			
				86. St. Mary's Roman Catholic Church			
				87. St. Michael's Episcopal Church			
				88. St. Philip's Episcopal Church			
				89. Sities-Hinson House			
				90. Stuart, Col. John House			
				91. Sward Gate Houses			
				92. U.S. Customhouse			
				93. U.S. Post Office and Courthouse			
				94. Unitarian Church			
				95. Vesey, Denmark House			
				96. Old Rice Mill (E)			
				97. 139 Ashley St. (E)			
				98. 268 Calhoun St. (E)			
				99. 274 Calhoun St. (E)			
				100. 316 Calhoun St. (E)			
				101. 316 R. Calhoun St. (E)			
				102. Ashe Island POG (GAPC)			
				103. 69 R. Barre St. (E)			
				104. Ashley Hall Plantation			
				105. East Branch Creek POG (GAPC)			
				106. Euhan Creek SSA (GAPC)			
				107. Habersham Creek SSA (GAPC)			
				108. Fort Johnson Powder Magazine			
				109. Last End Point POG (GAPC)			
				110. May River/Bull Creek POG (GAPC)			
				111. Moultrie GMA (GAPC)			
				112. Lucy Point Creek SSA			
				113. Alexander Sprunt Memorial Sanctuary (GAPC)			
				114. Folly River SSA (GAPC)			
				115. Folly River SSA (GAPC)			
				116. Mathews Cut POG (GAPC)			
				117. Sewee Bay POG (GAPC)			
				118. Hamlin Creek POG (GAPC)			
				119. Greer Creek, Cole Creek, Folly River SSA (GAPC)			
				120. Alligator Creek SSA (GAPC)			
				121. Mathews Cut POG (GAPC)			
				122. Sewee Bay POG (GAPC)			
				123. Hamlin Creek POG (GAPC)			
				124. Alligator Creek SSA (GAPC)			
				125. Mathews Cut POG (GAPC)			
				126. Sewee Bay POG (GAPC)			
				127. Hamlin Creek POG (GAPC)			
				128. Alligator Creek SSA (GAPC)			
				129. Mathews Cut POG (GAPC)			
				130. Sewee Bay POG (GAPC)			
				131. Hamlin Creek POG (GAPC)			
				132. Alligator Creek SSA (GAPC)			
				133. Mathews Cut POG (GAPC)			
				134. Sewee Bay POG (GAPC)			
				135. Hamlin Creek POG (GAPC)			
				136. Alligator Creek SSA (GAPC)			
				137. Mathews Cut POG (GAPC)			
				138. Sewee Bay POG (GAPC)			
				139. Hamlin Creek POG (GAPC)			
				140. Alligator Creek SSA (GAPC)			
				141. Mathews Cut POG (GAPC)			
				142. Sewee Bay POG (GAPC)			
				143. Hamlin Creek POG (GAPC)			
				144. Alligator Creek SSA (GAPC)			
				145. Mathews Cut POG (GAPC)			
				146. Sewee Bay POG (GAPC)			
				147. Hamlin Creek POG (GAPC)			
				148. Alligator Creek SSA (GAPC)			
				149. Mathews Cut POG (GAPC)			
				150. Sewee Bay POG (GAPC)			
				151. Hamlin Creek POG (GAPC)			
				152. Alligator Creek SSA (GAPC)			
				153. Mathews Cut POG (GAPC)			
				154. Sewee Bay POG (GAPC)			
				155. Hamlin Creek POG (GAPC)			
				156. Alligator Creek SSA (GAPC)			
				157. Mathews Cut POG (GAPC)			
				158. Sewee Bay POG (GAPC)			
				159. Hamlin Creek POG (GAPC)			
				160. Alligator Creek SSA (GAPC)			
				161. Mathews Cut POG (GAPC)			
				162. Sewee Bay POG (GAPC)			
				163. Hamlin Creek POG (GAPC)			
				164. Alligator Creek SSA (GAPC)			
				165. Mathews Cut POG (GAPC)			
				166. Sewee Bay POG (GAPC)			
				167. Hamlin Creek POG (GAPC)			
				168. Alligator Creek SSA (GAPC)			
				169. Mathews Cut POG (GAPC)			
				170. Sewee Bay POG (GAPC)			
				171. Hamlin Creek POG (GAPC)			
				172. Alligator Creek SSA (GAPC)			
				173. Mathews Cut POG (GAPC)			
				174. Sewee Bay POG (GAPC)			
				175. Hamlin Creek POG (GAPC)			
				176. Alligator Creek SSA (GAPC)			
				177. Mathews Cut POG (GAPC)			
				178. Sewee Bay POG (GAPC)			
				179. Hamlin Creek POG (GAPC)			
				180. Alligator Creek SSA (GAPC)			
				181. Mathews Cut POG (GAPC)			
				182. Sewee Bay POG (GAPC)			
				183. Hamlin Creek POG (GAPC)			
				184. Alligator Creek SSA (GAPC)			
				185. Mathews Cut POG (GAPC)			
				186. Sewee Bay POG (GAPC)			
				187. Hamlin Creek POG (GAPC)			
				188. Alligator Creek SSA (GAPC)			
				189. Mathews Cut POG (GAPC)			
				190. Sewee Bay POG (GAPC)			
				191. Hamlin Creek POG (GAPC)			
				192. Alligator Creek SSA (GAPC)			
				193. Mathews Cut POG (GAPC)			
				194. Sewee Bay POG (GAPC)			
				195. Hamlin Creek POG (GAPC)			
				196. Alligator Creek SSA (GAPC)			
				197. Mathews Cut POG (GAPC)			
				198. Sewee Bay POG (GAPC)			
				199. Hamlin Creek POG (GAPC)			
				200. Alligator Creek SSA (GAPC)			
				201. Mathews Cut POG (GAPC)			
				202. Sewee Bay POG (GAPC)			
				203. Hamlin Creek POG (GAPC)			
				204. Alligator Creek SSA (GAPC)			
				205. Mathews Cut POG (GAPC)			
				206. Sewee Bay POG (GAPC)			
				207. Hamlin Creek POG (GAPC)			
				208. Alligator Creek SSA (GAPC)			
				209. Mathews Cut POG (GAPC)			
				210. Sewee Bay POG (GAPC)			
				211. Hamlin Creek POG (GAPC)			
				212. Alligator Creek SSA (GAPC)			
				213. Mathews Cut POG (GAPC)			
				214. Sewee Bay POG (GAPC)			
				215. Hamlin Creek POG (GAPC)			
				216. Alligator Creek SSA (GAPC)			
				217. Mathews Cut POG (GAPC)			
				218. Sewee Bay POG (GAPC)			
				219. Hamlin Creek POG (GAPC)			
				220. Alligator Creek SSA (GAPC)			
				221. Mathews Cut POG (GAPC)			

UNITED STATES DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE
 GULF OF MEXICO AND ATLANTIC OCEAN
HURRICANES AND EARTHQUAKES
 SELECTED TROPICAL CYCLONES (1954-1979) AND SEISMS IMPACTING THE SOUTHEASTERN
 UNITED STATES ATLANTIC AND GULF COASTS AND CONTIGUOUS AREAS OF THE OUTER CONTINENTAL SHELF

TROPICAL CYCLONES

1. Carol 8/25-9/01/54	16. Helene 9/21-10/04/58	31. Alma 6/04-6/14/66	46. Dawn 9/05-9/14/72
2. Edna 9/02-9/15/54	17. No Name 6/18-6/23/59	32. Inez 9/21-10/11/66	47. Delia 9/01-9/07/73(1)
3. Hazel 10/05-10/18/54	18. Cindy 7/08-7/12/59	33. Bessie 9/05-9/26/67	48. Carmen 8/29-9/14/74
4. Connie 8/03-8/15/55	19. Gracie 9/20-10/02/59	34. Doris 9/08-9/21/67	49. Caroline 8/24-9/01/75
5. Diane 8/07-8/21/55	20. Donna 8/28-9/14/60	35. Abby 6/01-6/13/68	50. Eloise 9/13-9/24/75
6. Hilda 9/10-9/20/55	21. Ethel 9/14-9/17/60	36. Brenda 9/14-9/26/68	51. Gladys 9/23-10/04/75
7. Ione 9/10-9/24/55	22. Carla 9/03-9/13/61	37. Dolly 8/10-8/17/68	52. Belle 8/06-8/10/76
8. Janet 9/21-9/30/55	23. Alma 8/28-9/02/62	38. Camille 9/14-8/22/69	53. Anita 8/29-9/03/77
9. Anna 7/25-7/27/56	24. Clara 8/20-9/05/64	39. Gerda 9/05-9/10/69	54. Bette 9/03-9/09/77
10. Betty 8/09-8/20/56	25. Ginny 10/16-10/30/63	40. Laurie 10/17-10/27/69	55. Clara 9/05-9/12/77
11. Dora 9/10-9/12/56(1)	26. Clara 8/20-9/05/64	41. Alma 5/17-5/27/70	56. Amelia 7/30-8/01/78(1)
12. No Name 6/08-6/15/57(1)	27. Dora 8/28-9/16/64	42. Calia 7/31-8/05/70	57. Bess 8/08-8/08/78(1)
13. Audrey 6/25-6/29/57	28. Hilda 9/28-10/05/64	43. Edith 9/05-9/18/71	58. Debra 8/26-8/29/78(1)
14. Daisy 8/24-8/31/58	29. Isobel 10/08-10/17/64	44. Ginger 9/06-10/05/71	59. Bob 7/09-7/16/79
15. Ella 8/30-9/06/58	30. Betsy 8/27-9/13/65	45. Agnes 6/14-6/23/72	60. David 8/25-9/07/79
			61. Frederic 8/29-9/14/79

DAMAGING TROPICAL CYCLONES 1901-1955

0 1-5 6-10 11-15 16-20 21+

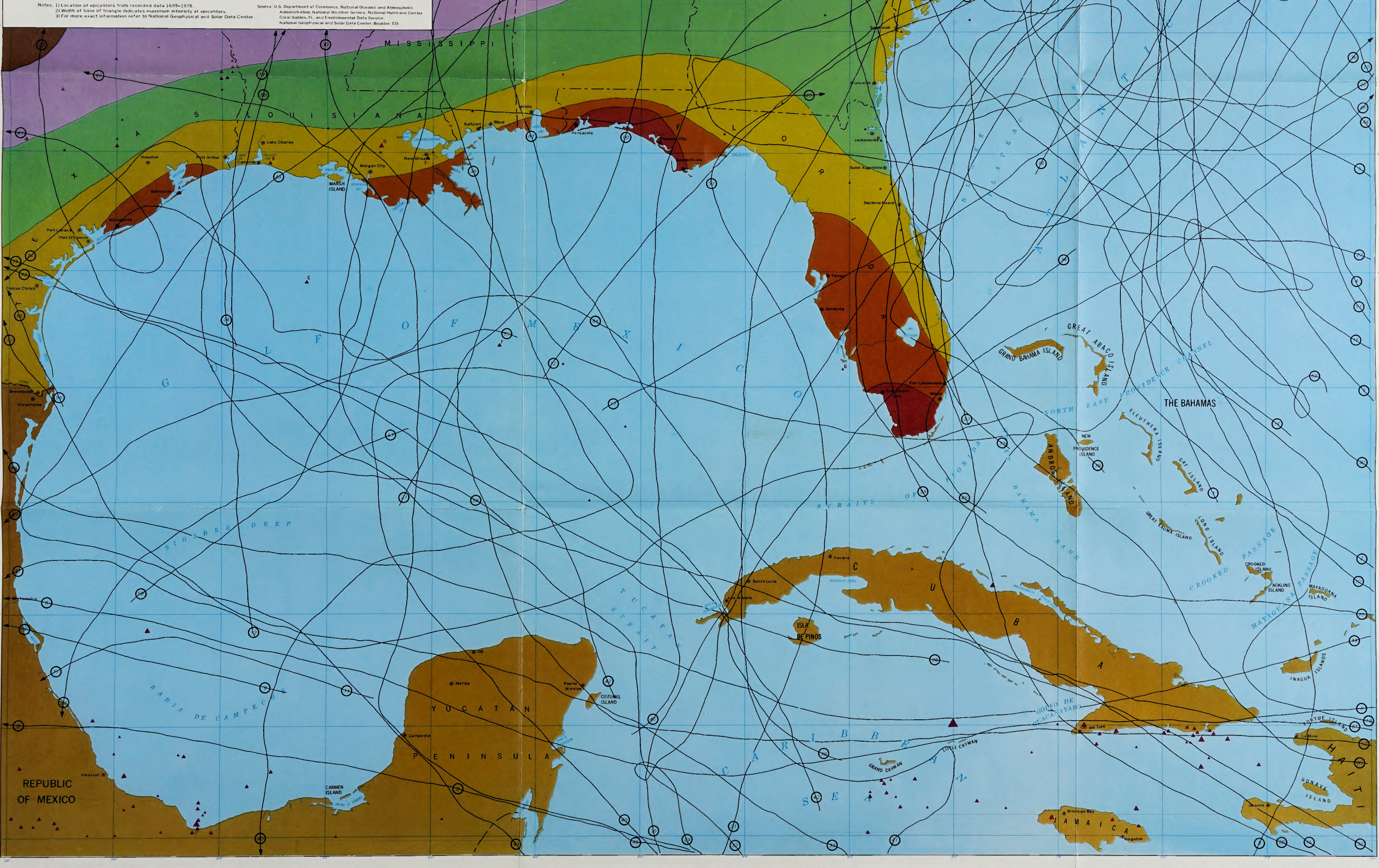
Notes: 1) Hurricane-Tropical Cyclone with sustained surface wind speeds of 64 km (39 mph) or more.
 2) Tropical Storm (TS)-Tropical Cyclone with sustained surface wind speeds of 34 to 63 km (19-73 mph).
 3) Storm tracks are somewhat generalized. For more exact information, refer to National Weather Service publications.

EARTHQUAKES

EPICENTER	LATITUDE	LONGITUDE	YEAR RECORDED	MAXIMUM INTENSITY	MAGNITUDE
A	29.3N	94.8W	1956	IV	<4.0
B	29.8N	93.1W	1959	IV	4.0
C	27.8N	92.1W	1963	IV	6.0
D	30.1N	91.0W	1939	VI	7.5
E	29.9N	90.1W	1982	III	8.5
F	26.7N	88.1W	1978	IV	
G	26.3N	82.1W	1948	IV	
H	30.2N	81.4W	1993	V	
I	32.9N	80.0W	1986	V	
J	33.0N	79.0W	1960	V	
K	34.6N	76.0W	1982	V	

Notes: 1) Location of epicenters from recorded data 1699-1978.
 2) Width of base of triangle indicates maximum intensity at epicenters.
 3) For more exact information refer to National Geophysical and Solar Data Center.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, National Hurricane Center, Coral Gables, FL, and Environmental Data Service, National Geophysical and Solar Data Center, Boulder, CO.



#07534176 ID: 86069952

TN
872
A45
1981
v.2

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE
SOUTH ATLANTIC RIGHT

PHYSICAL OCEANOGRAPHY AND METEOROLOGY

COASTAL CURRENTS, DIRECTIONS AND SPEED (KTS.)
0.0 0.1 0.2 0.3

WATER DEPTH (METERS)

ANNUAL CURRENT ROSES FOR 1° SQUARE
ARROW LENGTH PROPORTIONAL TO 1" = 20%
FREQUENCY OF CURRENT IN THAT DIRECTION

COASTAL CITIES WIND VELOCITY ROSES
TAIL OF ARROW INDICATES DIRECTION FROM WHICH WIND IS BLOWING
1" = 10% FREQUENCY (ARROW SCALE)

APPROXIMATE AXIS OF MAXIMUM STRENGTH OF GULF STREAM WITH SPEED IN KNOTS
FROM NAVY HYDRO. OFFICE PUB. NO. 700

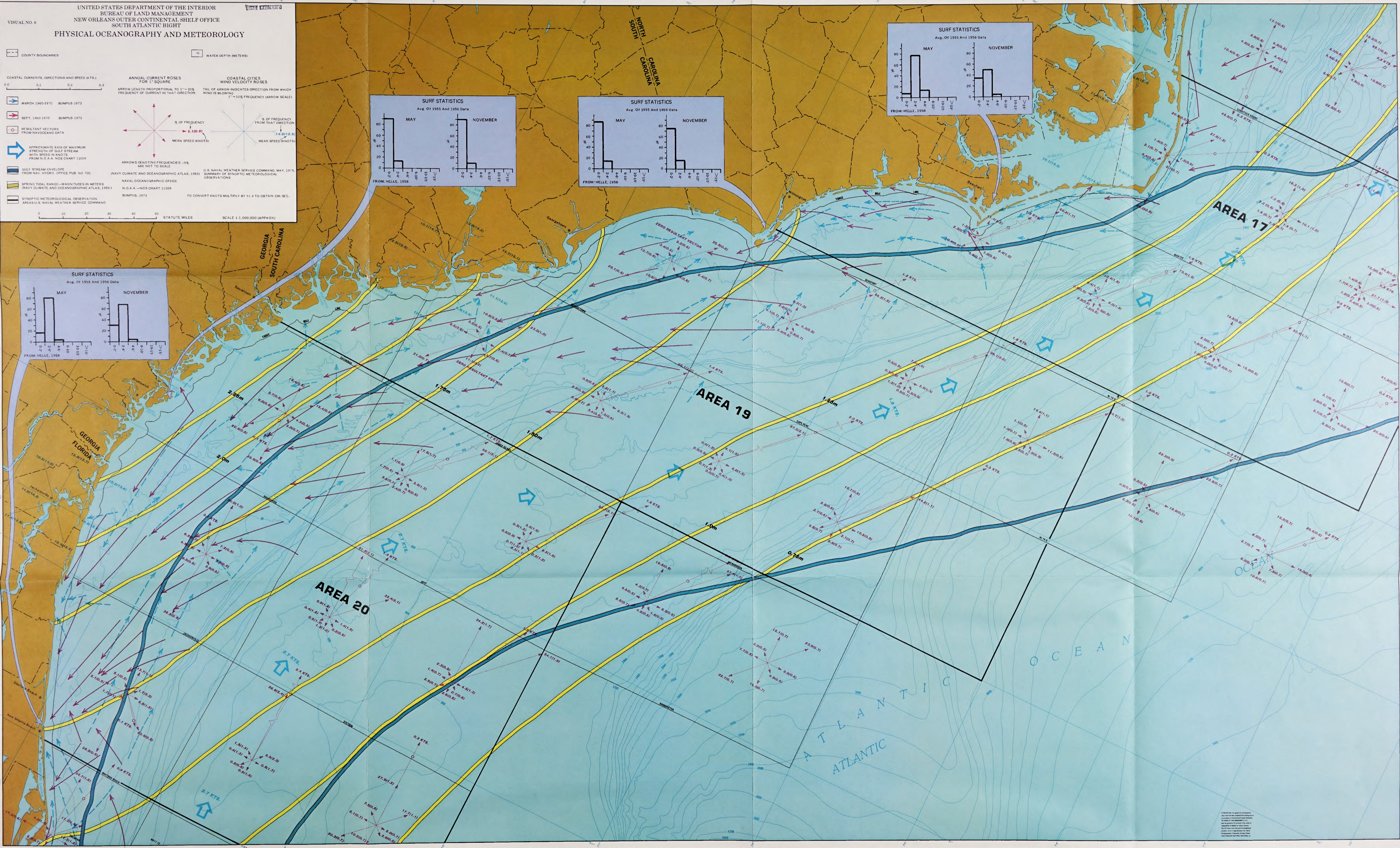
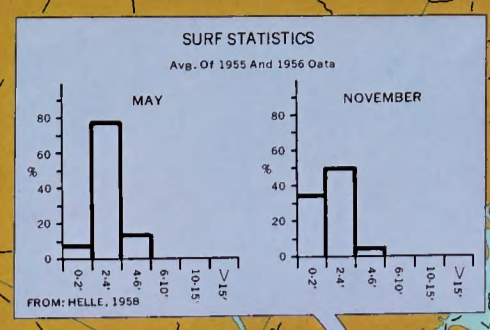
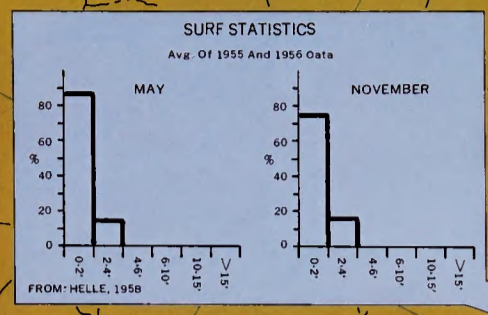
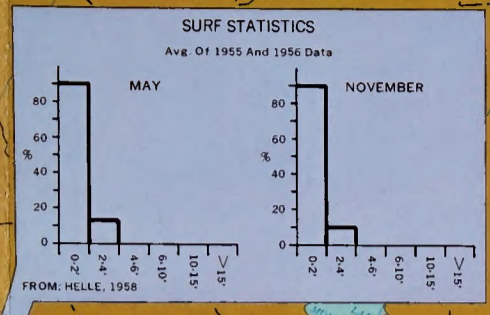
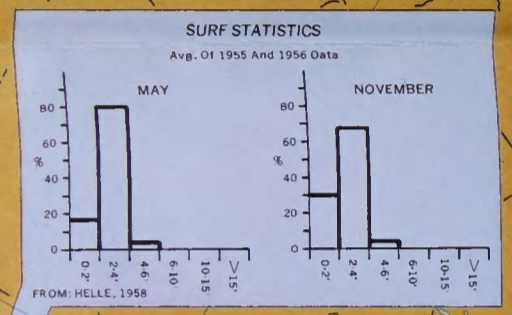
SPRING TIDAL RANGE—MAGNITUDES IN METERS
(NAVY CLIMATE AND OCEANOGRAPHIC ATLAS, 1959)

SYNOPTIC METEOROLOGICAL OBSERVATION AREAS U.S. NAVAL WEATHER SERVICE COMMAND

U.S. NAVAL WEATHER SERVICE COMMAND, MAY, 1973
SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS
N.O.A.—NOS CHART 13009
BUMPUS, 1973
TO CONVERT KNOTS MULTIPLY BY 0.514 TO OBTAIN CM/SEC.

SCALE 1:1,000,000 (APPROX)

STATUTE MILES



Copyright 1973 by the United States Government. All rights reserved. This map is a reproduction of the original map published by the United States Government Printing Office in 1973. The original map is available for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20540. Price \$1.50 per copy plus postage. Single copies of this map are available for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20540. Price \$1.50 per copy plus postage. Single copies of this map are available for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20540. Price \$1.50 per copy plus postage.

07534176 ID: 06009952

TN
072
.A45
1981
v.2

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

UNITED STATES DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE
 SOUTH ATLANTIC BIGHT
 DEMERSAL FISHERIES

VISUAL NO. 5

- | | |
|--|---|
| COUNTY BOUNDARIES | WATER DEPTH (METERS) |
| ROYAL RED SHRIMP GROUNDS | AMERICAN LOBSTER AND RED CRAB |
| -66% OF CATCH
34-65% OF CATCH | MID-DEPTH COMPLEX
Litt. Sculpin, Red Porgy, Speckled Hind |
| -66% OF CATCH
34-65% OF CATCH | DEEP-WATER COMPLEX
Snowy Groper, Lotion Tailfish, Red Porgy |
| -33% OF CATCH | WINTERING GROUNDS FOR MID-ATLANTIC STOCKS OF
Fluke, Grey Seatrout, Northward Spring Migration |
| -66% OF CATCH
34-65% OF CATCH | WINTERING GROUNDS FOR MID-ATLANTIC STOCKS OF
Scup, Butterfish, Black Seabass, Northward Spring Migration |
| -33% OF CATCH | WINTERING GROUNDS FOR MID-ATLANTIC STOCKS OF
Fluke |
| -33% OF CATCH | WINTERING GROUNDS FOR MID-ATLANTIC STOCKS OF
Fluke |
| INSHORE FISHERIES
Blue Crab, Oysters, Shad, Striped Bass, Mullet, Seatrouts (shoreward of line) | WINTERING GROUNDS FOR MID-ATLANTIC STOCKS OF
Scup, Butterfish, Black Seabass, Northward Spring Migration |
| CALICO SCALLOP GROUNDS
Hatchery variable—the locations shown are historical | |

0 10 20 30 40 50 STATUTE MILES SCALE 1:1,000,000 (APPROX)



Copyright © 1998 by the United States Department of the Interior, Bureau of Land Management. All rights reserved. This map is a reproduction of a map published by the Bureau of Land Management in 1998. It is not to be used for navigation. The map is a reproduction of a map published by the Bureau of Land Management in 1998. It is not to be used for navigation.

0753476 10:000992

TN
842
A45
1981
V.2

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

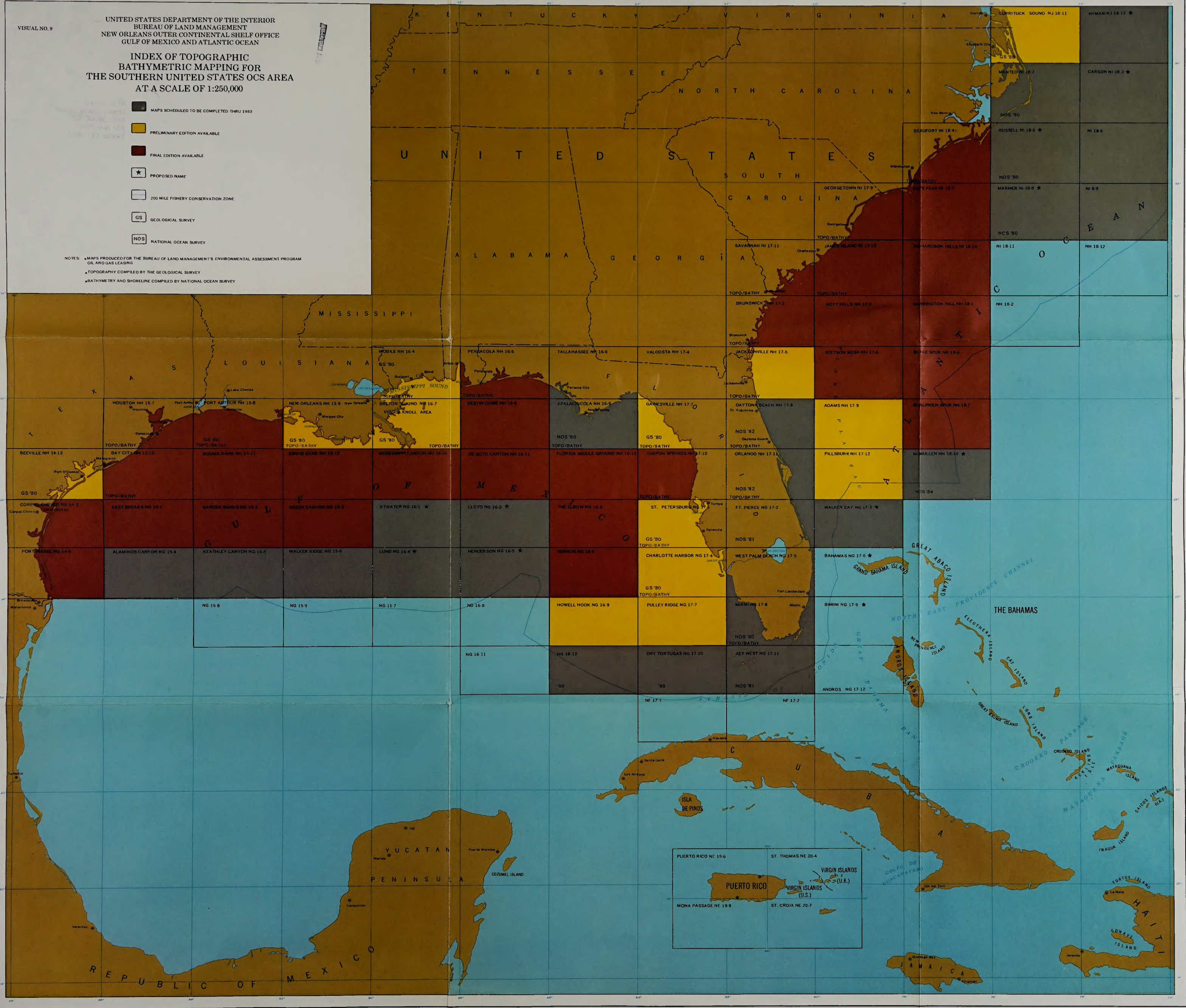
VISUAL NO. 9

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEW ORLEANS OUTER CONTINENTAL SHELF OFFICE
GULF OF MEXICO AND ATLANTIC OCEAN

INDEX OF TOPOGRAPHIC BATHYMETRIC MAPPING FOR THE SOUTHERN UNITED STATES OCS AREA AT A SCALE OF 1:250,000

- MAPS SCHEDULED TO BE COMPLETED THRU 1983
- PRELIMINARY EDITION AVAILABLE
- FINAL EDITION AVAILABLE
- PROPOSED NAME
- 200 MILE FISHERY CONSERVATION ZONE
- GS GEOLOGICAL SURVEY
- NOS NATIONAL OCEAN SURVEY

NOTES: * MAPS PRODUCED FOR THE BUREAU OF LAND MANAGEMENT'S ENVIRONMENTAL ASSESSMENT PROGRAM
OIL AND GAS LEASING
* TOPOGRAPHY COMPILED BY THE GEOLOGICAL SURVEY
* BATHYMETRY AND SHORELINE COMPILED BY NATIONAL OCEAN SURVEY



#07534176

10: 98064952

TN
872
.A45
1981
v2

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

SOUTH ATLANTIC BIGHT
OVERLAY

21947-1000
Darter, Tuleen Center
Box 40, CX-251
PO Box 5047
Denver, CO 80222

TRACT NUMBER

1-800-441-1111
or
303-733-2511
303-733-2511
303-733-2511



SOUTH ATLANTIC BIGHT
OVERLAY

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

SCALE NUMBER

BLM Library
Denver Federal Center
Bldg. 50, OC-521
P.O. Box 25047
Denver, CO 80225

