

APPENDIX V



COORDINATION DOCUMENTATION



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

REPLY TO
ATTENTION OF

Construction-Operations Division
Public Notice Number PN-SLI-191

21 July 1994

PUBLIC NOTICE

TO WHOM IT MAY CONCERN: The District Engineer, Jacksonville District, U.S. Army Corps of Engineers, has forwarded a request to the State of Florida Department of Environmental Protection pursuant to Section 401 of the Clean Water Act of 1977. This Federal project is being evaluated and coordinated pursuant to 33 CFR 335 through 338.

Comments regarding the modification should be submitted in writing to the District Engineer at the above address within 30 days from the date of this notice. Any person who has an interest which may be affected by the construction of this project may request a public hearing. The request must be submitted in writing to the District Engineer within 30 days of the date of this notice and must clearly set forth the interest which may be affected and the manner in which the interest may be affected by this activity.

If you have any questions concerning this modification, you may contact Ms. Diana Bisher of this office, telephone 904-232-1131.

WATERWAY & LOCATION: St. Lucie Inlet, Martin County, Florida

WORK & PURPOSE: The purpose of the work is to maintain safe navigation in the channel. The work consists of routine maintenance dredging of an estimated 400,000 cubic yards of sand from portions of the entrance channel and impoundment basin as needed. The channel is 300 feet wide and 18 feet deep, tapering to 150 feet wide and 12 feet deep and then to 100 feet wide and 9 feet deep. The approximate length of the project is 9200 feet. The impoundment basin is 450 feet by 2500 feet and will be dredged to a required depth of 13 feet. Shoal material will be placed in a newly proposed nearshore disposal area located approximately 10 miles south of St. Lucie Inlet in accordance with the Water Quality Certificate.

PROJECT AUTHORIZATION:

Harbor and River Act, 31 May 1974, House Document 294/93/1.

EVALUATION

A preliminary determination of the impacts of the project has lead us to conclude that an Environmental Impact Statement pursuant to the National Environmental Policy Act is not required. A final determination will be made when all comments are reviewed and a final environmental assessment has been completed.

APPLICABLE LAWS: The following laws are, or may be, applicable to the review of the proposed disposal sites and to the activities affiliated with this Federal project:

1. Section 404 of the Clean Water Act of 1977 (PL 95-217) (33 U.S.C. 1344).
2. Section 302 of the Marine Protection, Research, and Sanctuaries Act of 1972 (PL 92-532, 86 Stat. 1052).
3. The National Environmental Policy Act of 1969 (PL 91-190) (42 U.S.C. 4321-4347).
4. Sections 307(c) (1) and (2) of the Coastal Zone Management Act of 1972 (16 U.S.C. 1456 (c) (1) and (2), 86 Stat. 1280).
5. The Fish and Wildlife Act of 1956 (16 U.S.C. 472a et seq.).
6. The Migratory Marine Game-Fish Act of 1959 (16 U.S.C. 760c-760g).
7. The Fish and Wildlife Coordination Act of 1958 (16 U.S.C. 661-666c).
8. The Endangered Species Act of 1973 (PL 93-205) (16 U.S.C. 668aa-668cc-6, 87 Stat. 884).
9. The National Historic Preservation Act of 1966 (16 U.S.C. 470, 80 Sta}. 915).
10. Section 313 of the Clean Water Act of 1977 (33 U.S.C. 1323, 82 Stat. 816).

COASTAL ZONE MANAGEMENT: The proposal has been evaluated in accordance with the Florida Coastal Zone Management Act and was determined to be consistent with the goals and intent of the appropriate State statutes. This determination is based on a Preliminary Environmental Evaluation, the Section 404(b) (1) Evaluation, and the Coastal Zone Consistency Determination. Full compliance will be achieved by issuance of the necessary permits from the State.

ENDANGERED SPECIES: Consultation with the National Marine Fisheries Service and the U.S. Fish and Wildlife Service pursuant to Section 7 of the Endangered Species Act will be conducted. West Indian Manatees (Trichechus manatus) could be located in the project area. Loggerhead, Hawksbill, Leatherback, and Green Sea Turtles could also be found in the project region.

OTHER IMPORTANT-RESOURCES: Other important resources considered in the environmental assessment include seagrasses, nearshore hardbottoms, migratory bird nesting, and recreation.

EVALUATION FACTORS: All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general, the needs and welfare of the people.

DISSEMINATION OF NOTICE: You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have an interest in this matter.

COORDINATION: This notice is being sent to, and coordinated with, the following agencies:

FEDERAL AGENCIES:

Commander, Seventh Coast Guard District, Miami, FL
Director, Atlantic Marine Cnt., NOAA, Norfolk, VA
FDA, Regional Shellfish Specialist, Atlanta, GA
Director, National Park Ser., Southeast Region, Atlanta, GA
Regional Director, National Park Ser., SE Region, Atlanta, GA
Regional Director, Fish & Wildlife Service, Atlanta, GA
Field Supervisor, Fish & Wildlife Service, Jacksonville, FL
Field Supervisor, Fish & Wildlife Service, Vero Beach, FL
Regional Hydrologist, U.S. Geological Survey, Atlanta, GA
District Chief, U.S. Geological Survey, WRD, Tallahassee, FL
Regional Hydrologist, NOAA, National Weather Ser., Fort Worth, TX
Southeast River Forecast Cnt., NOAA, National Weather Service, Atlanta, GA
Environmental Protection Agency, Office of Federal Activities, Washington, D.C.
Environmental Protection Agency, Region IV, Atlanta, GA
Federal Energy Regulatory Commission, Atlanta, GA
National Marine Fisheries Service, EA Branch, Panama City, FL
National Marine Fisheries Service, EA Branch, St. Petersburg, FL
Federal Maritime Commission, Office of Environmental Impact, Washington, D.C.
USDA, Soil Conservation Service, Gainesville, FL
Federal Highway Administration, Tallahassee, FL

Water Resources Coordinator, National Marine Fisheries Service,
Tallahassee, FL

STATE AGENCIES :

Executive Director, DEP, Tallahassee, FL
DEP, Division of Beaches and Shores, Tallahassee, FL
Florida Game & Fresh Water Commission, Lakeland, FL
Secretary, Dept-of Environmental Protection, Tallahassee, FL
Department of Agriculture, Bureau of Soil & Water Conservation,
Gainesville, FL
Director, Div of Archives, History & Records Management,
Tallahassee, FL
Secretary, Department of Transportation, Tallahassee, FL
State Clearinghouse, Office of Planning & Budgeting,
Tallahassee, FL
South Florida Water Management District, West Palm Beach, FL

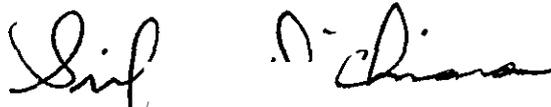
ENVIRONMENTAL ORGANIZATIONS :

Executive Director, Florida Audubon Society, Maitland, FL
Executive Director, Florida Wildlife Federation,
West Palm Beach, FL
Tampa Bay Regional Planning Council, St. Petersburg, FL
National Estuary Program, St. Petersburg, FL

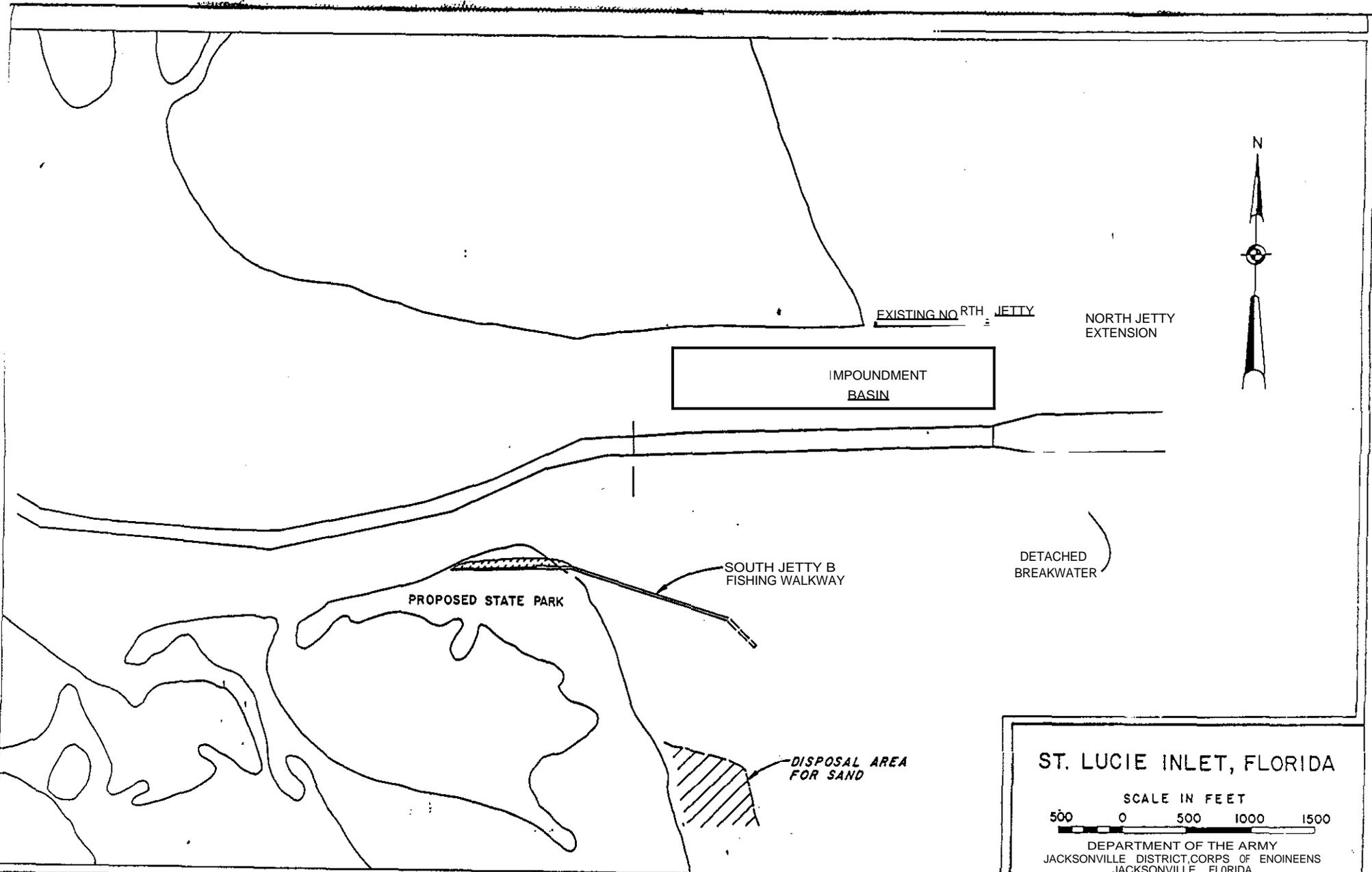
LOCAL GOVERNMENTS

Board of County Commissioners, Martin County, FL
Florida Inland Navigation District, Jupiter, FL
Town of Jupiter Island, Hobe Sound, FL

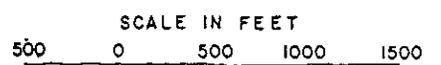
FOR THE COMMANDER:



GIRLANDO ~ D ~ CCRARA
Chief Construction-Operations
Division

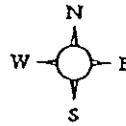


ST. LUCIE INLET, FLORIDA



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

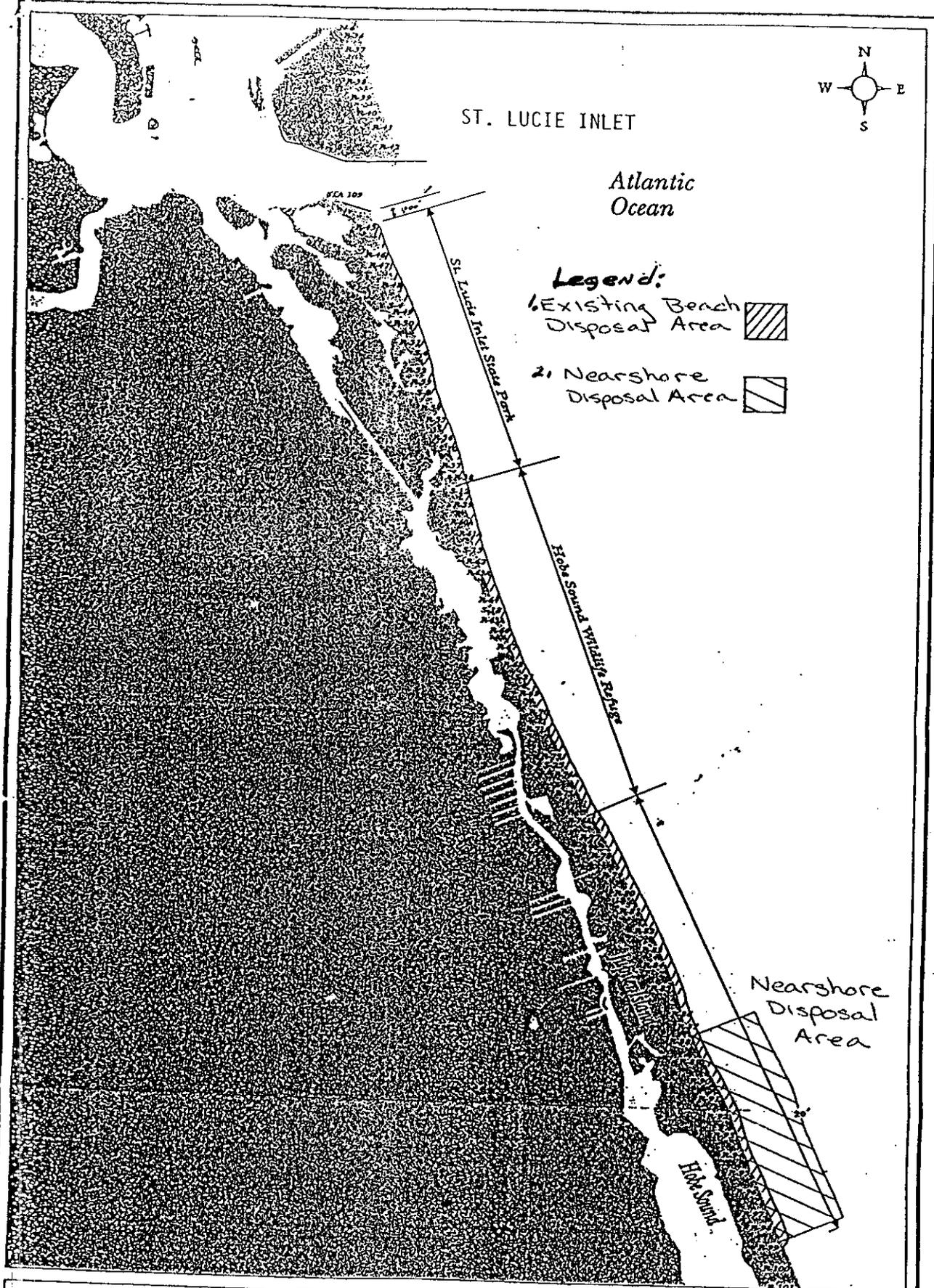
9-30-83



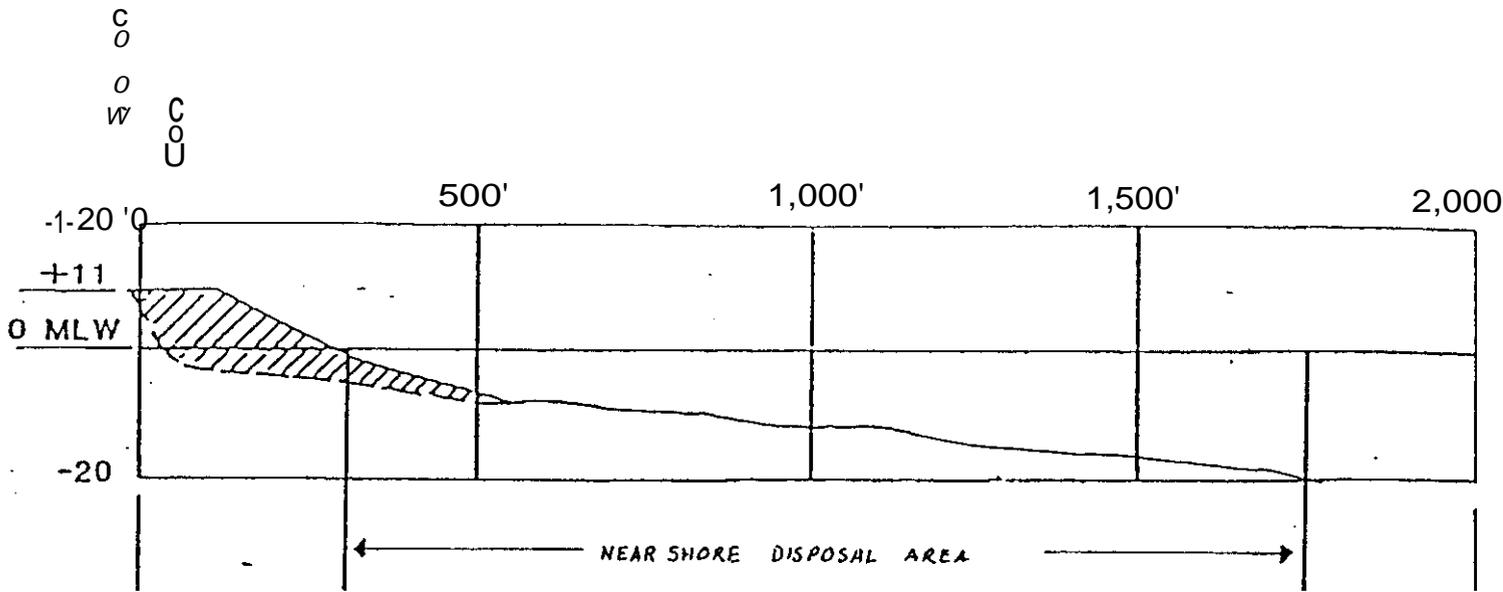
ST. LUCIE INLET

Atlantic Ocean

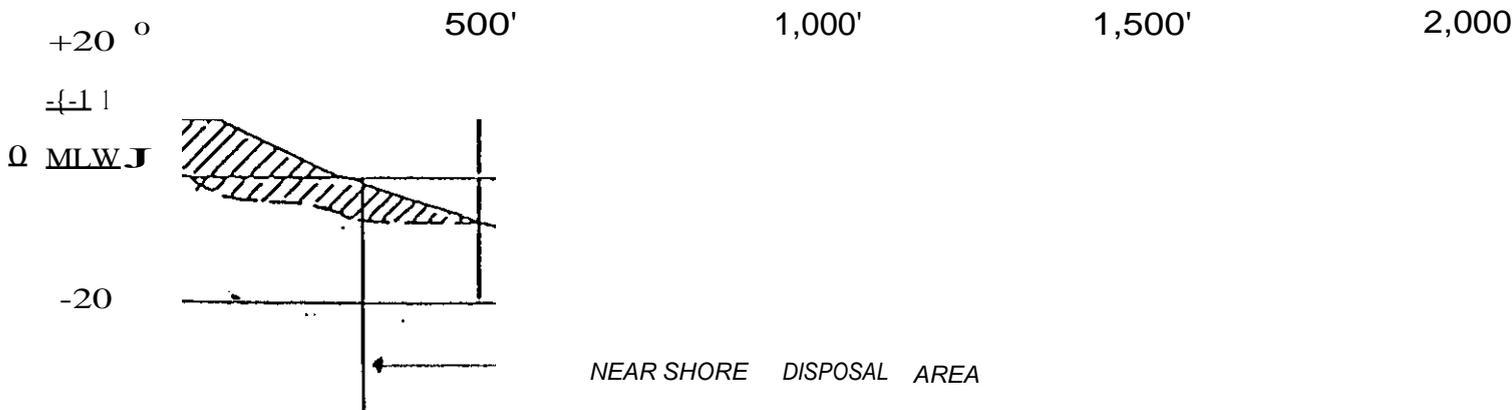
- Legend:**
- 1. Existing Beach Disposal Area 
 - 2. Nearshore Disposal Area 



ST. LUCIE INLET DISPOSAL AREA MAP

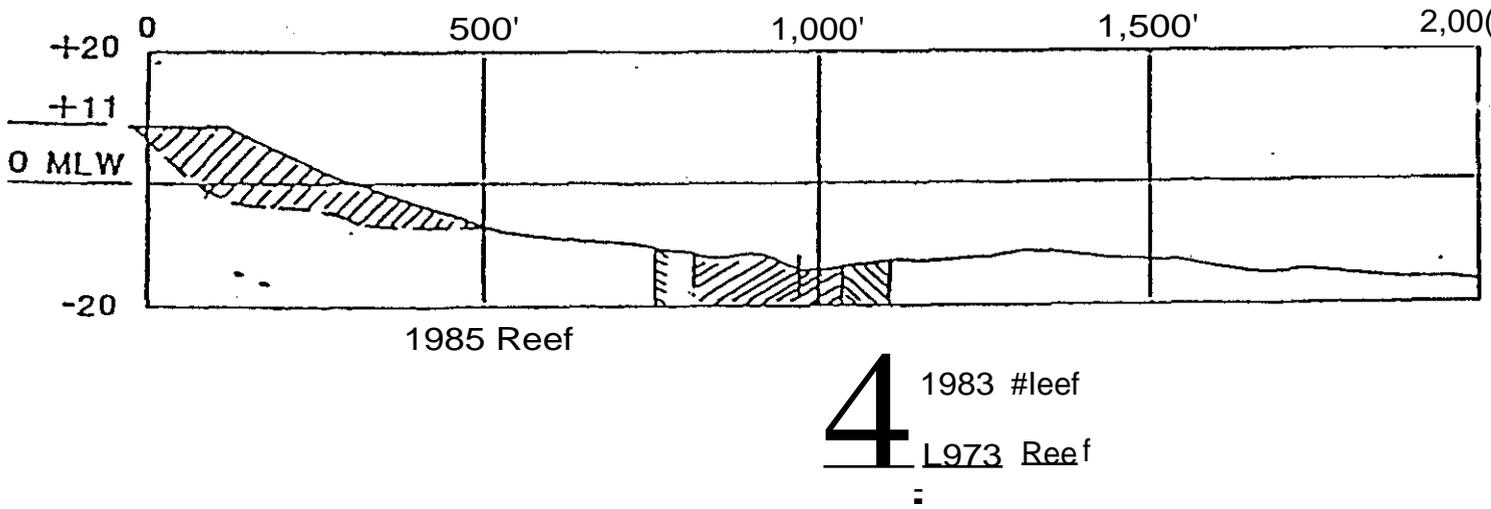
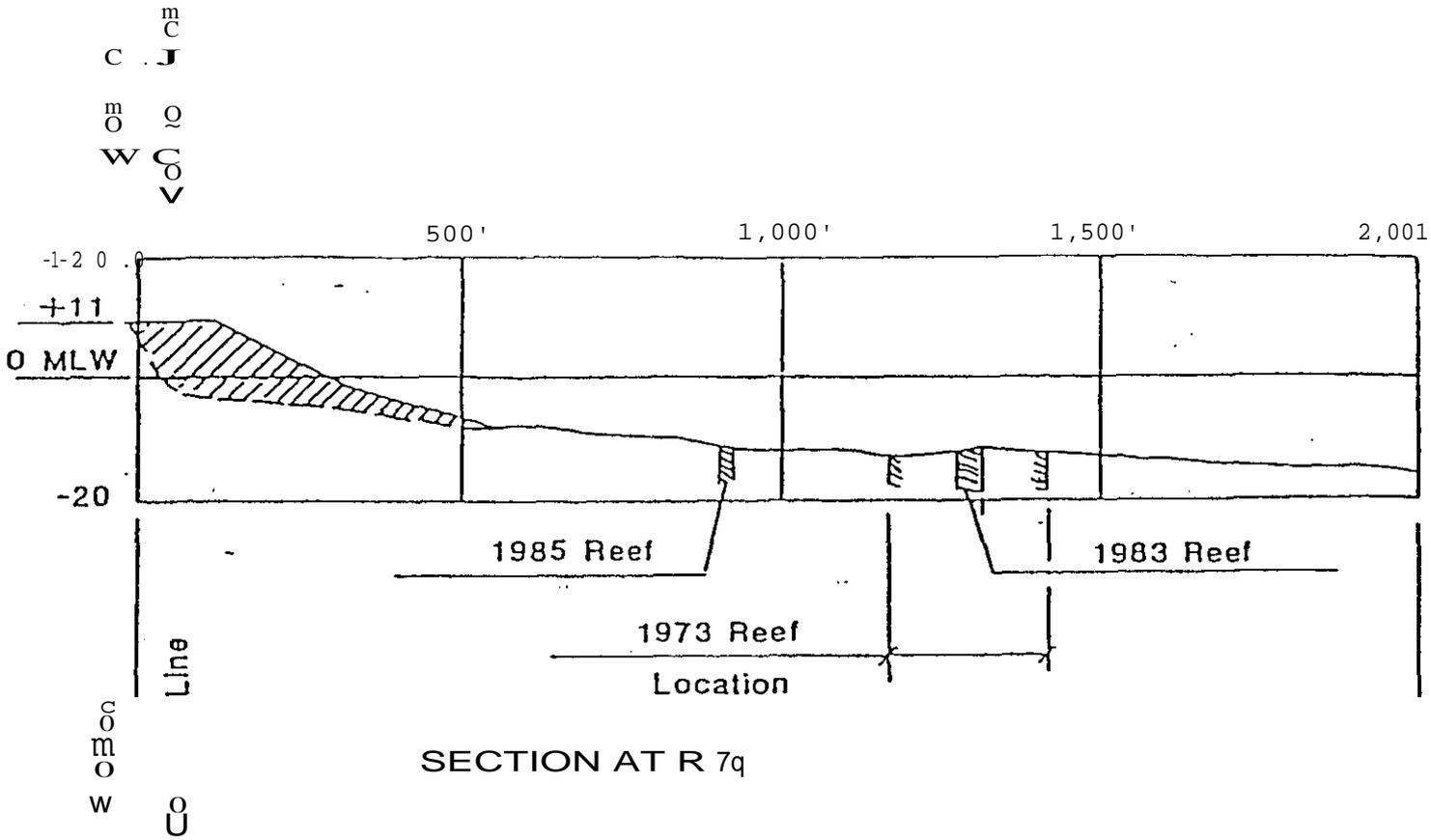


SECTION AT D90



SECTION AT D 16

Note: All Elevations Refer To
 (INLW) Mean Low Water DATUM
 0_0' MLW Is Referenced To -1_0' NGVD



Note: All Elevations Refer To
 (MLW) Mean Low Water DATUM
 0.0' MLW Is Referenced To -1.0' NGVD

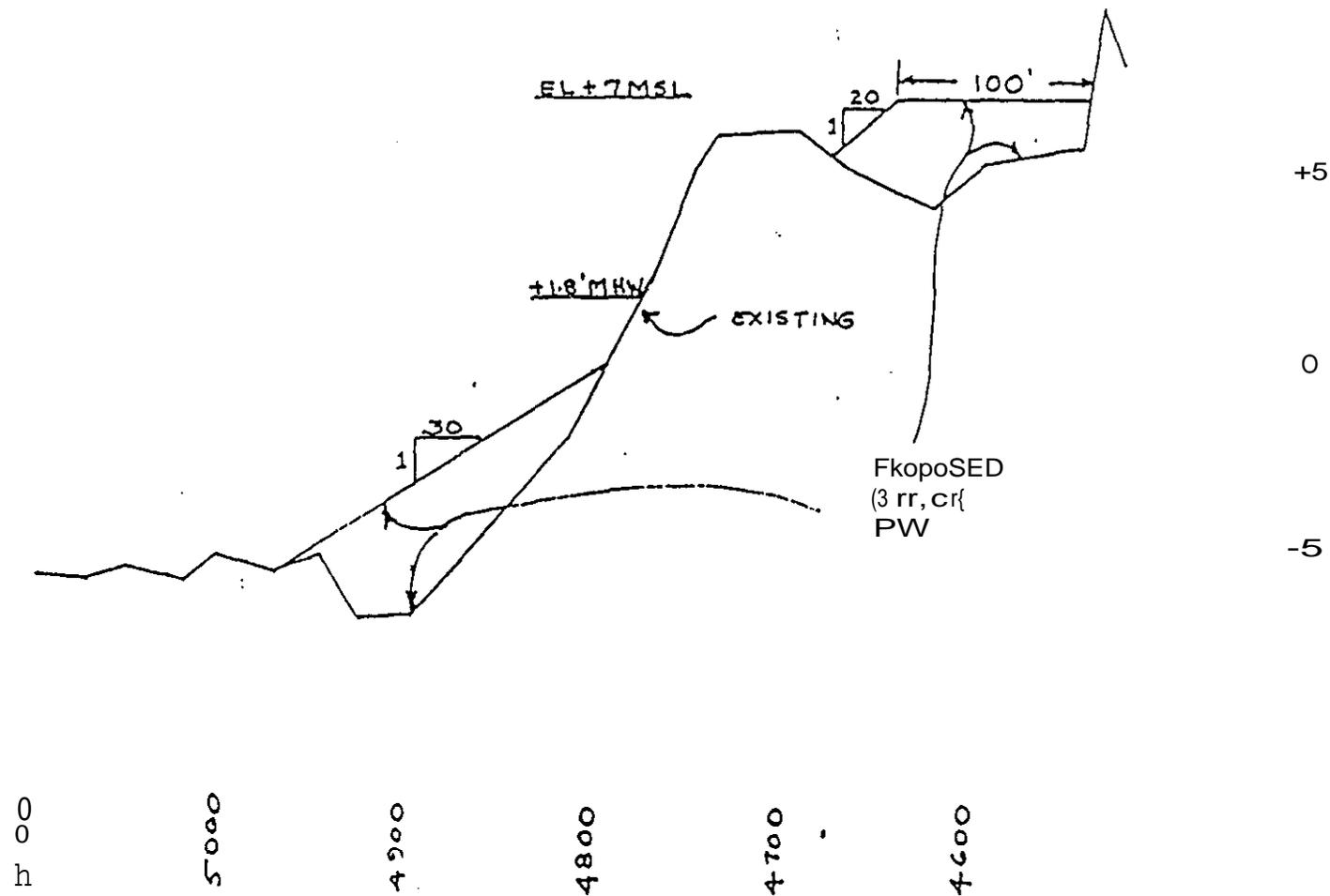
5 T L Vcl 6 1Nt_ET

P/L 1 - S-5

z 4000' -Qom 5 7cr,y

SiAQvcYs rAKWN

MSL

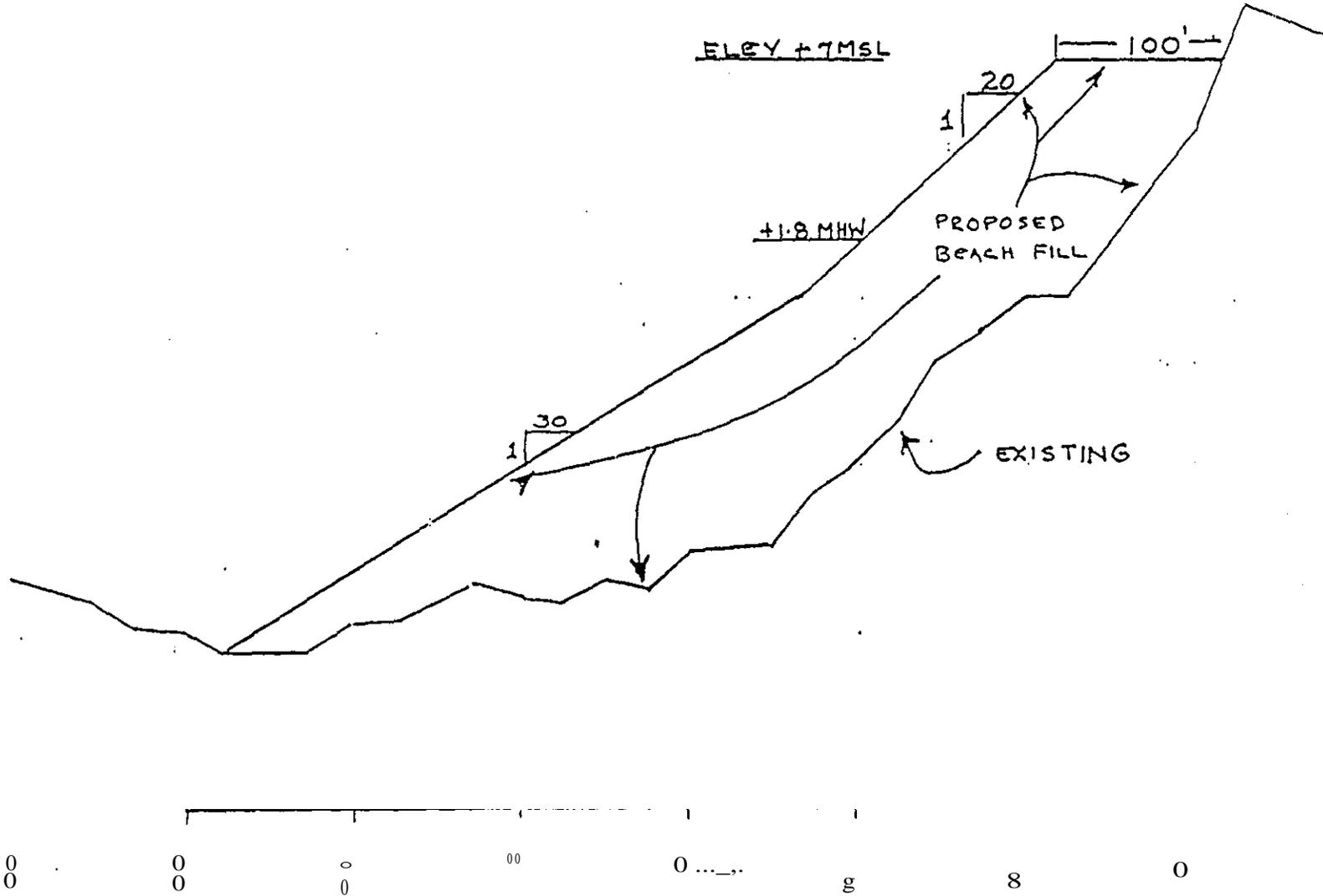


Beach Disposal Location

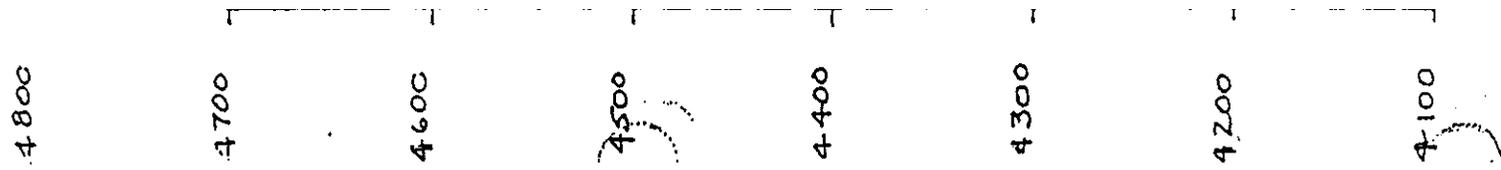
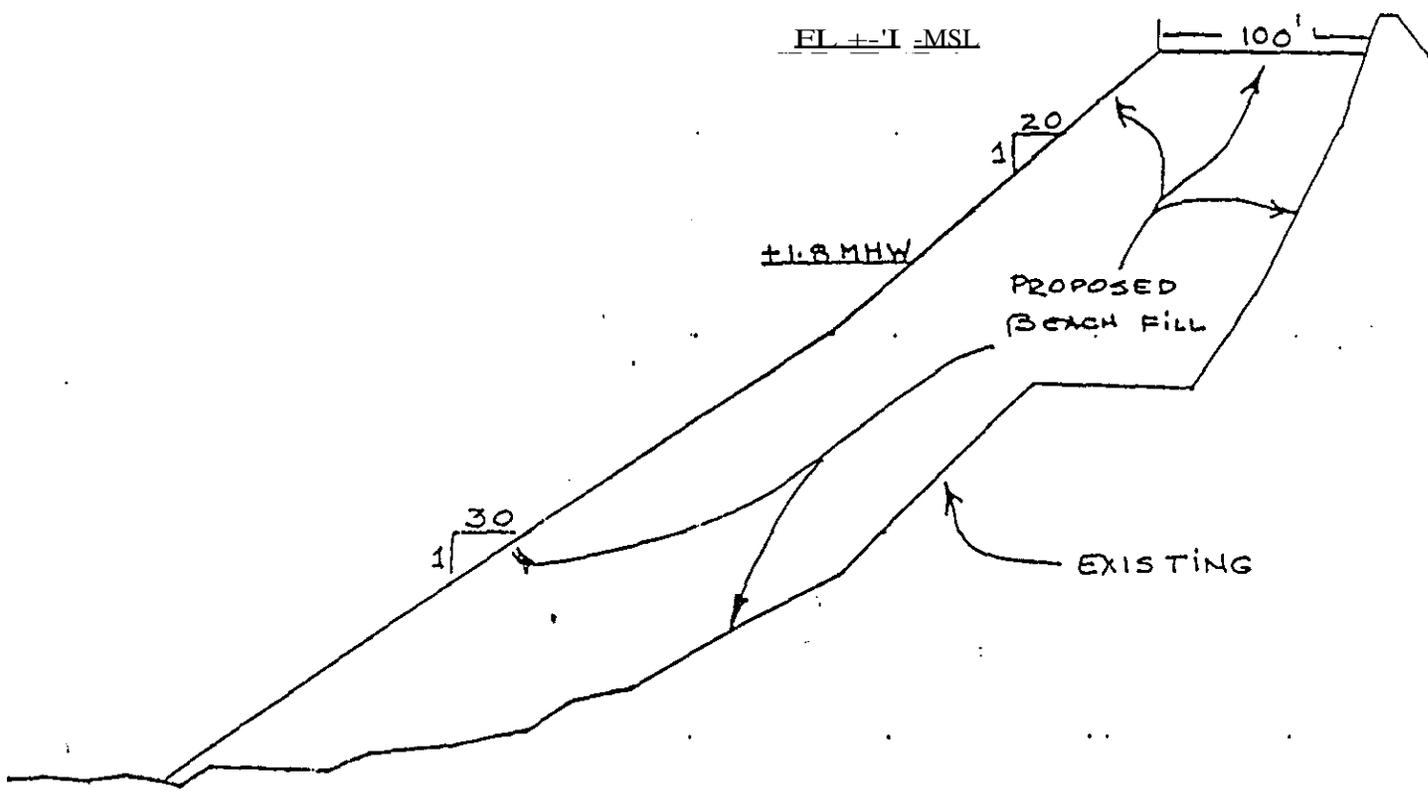
pm z - s - z

Gmo' ~> OM 5 Ferry

SVRV ~ / 5 "TA K" CGT 83



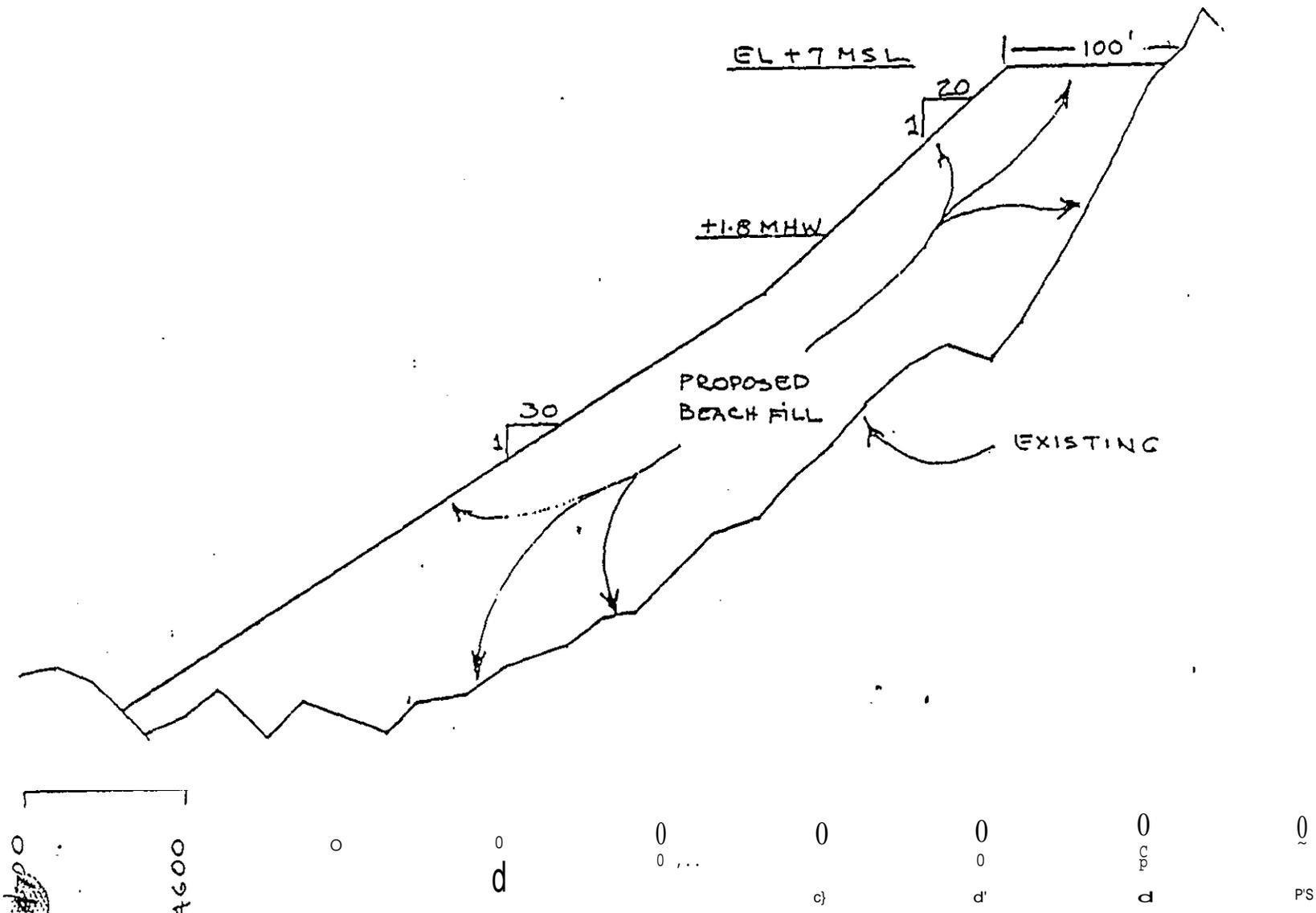
a00c' feoM S TcTry
5u2veys -rp.KCn~ Oc-r 83



Existing Beach Disposal Location

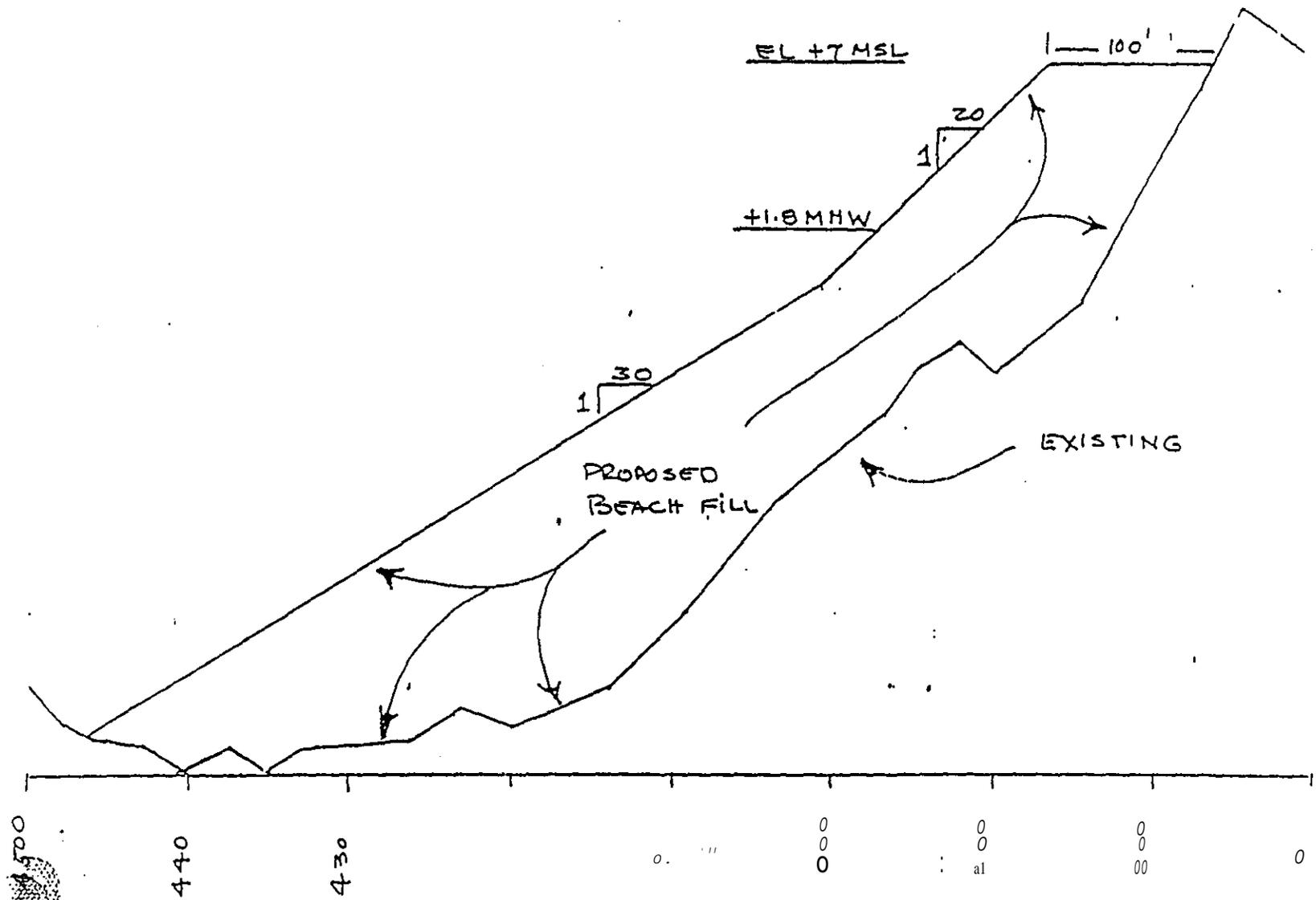
10,000' FROM S. T~"1TY

Suevc`fs Ta~Ca'til OCT 83

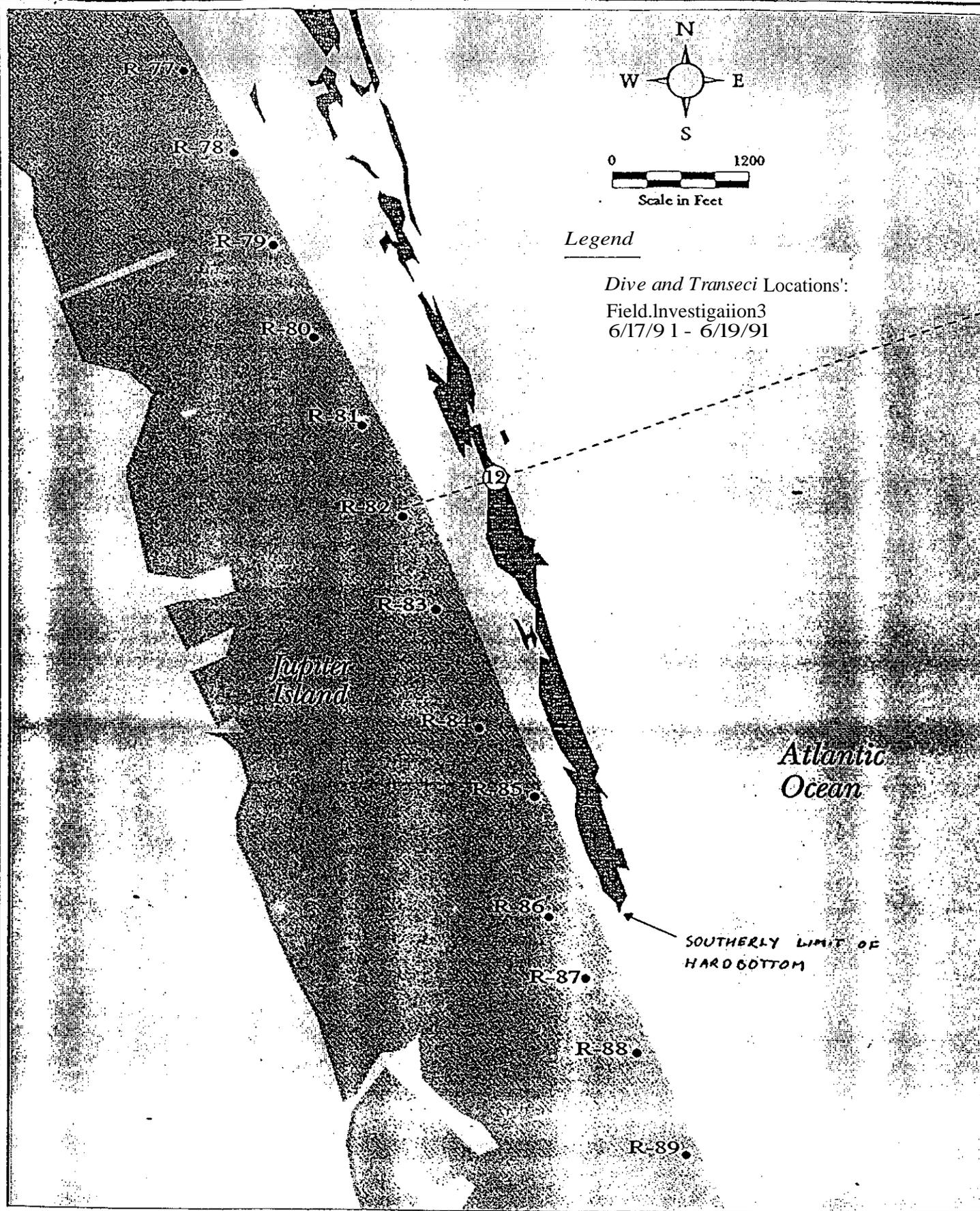


FWS~VcY "~~o.c_k D=as EO so,~- ~oeV,~~c~r~

SN 12 ve 1 5 TAFEV UGT 2b'3



Existing Beach Disposal Location

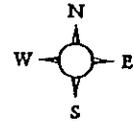


Legend

Dive and Transect Locations:
 Field Investigation 3
 6/17/91 - 6/19/91

349F6307.CDR 9/24/93

Hardbottom Communities South of St. Lucie Inlet



ST. LUCIE INLET

Atlantic Ocean

NEARSHORE DISPOSAL AREA



St. Lucie Inlet State Park

Hobbs Sound & Whiting Bay

APPROXIMATELY 50,000 FEET

R-89

X=791,250
Y=993,080

20 FT MLW CONTOUR

R-99

X=794,620
Y=984,620

ST. LUCIE INLET
NEARSHORE DISPOSAL AREA HAP



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

REPLY TO
ATTENTION OF

Construction-Operations Division
Public Notice No. IWW/OWW158

November 16, 1988

PUBLIC NOTICE

TO WHOM IT MAY CONCERN : The District Engineer, Jacksonville District, U.S. Army Corps of Engineers, has forwarded an application to the State of Florida Department of Environmental Regulation pursuant to Section 404 of the Clean Water Act of 1977. This Federal project is being evaluated and coordinated pursuant to 33 CFR, 209.145.

Comments regarding the application should be submitted in writing to the District Engineer at the above address within 30 days from the date of this notice. Any person who has an interest which may be affected by the disposal of this dredged material may request a public hearing. The request must be submitted in writing to the District Engineer within 30 days of the date of this notice and must clearly set forth the interest which may be affected and the manner in which the interest may be affected by this activity.

If you have any questions concerning this application, you may contact Steve Berry or Brian Blake of this office, telephone 904-791-1131.

WATERWAY & LOCATION: Intracoastal Waterway (IWW) and Okeechobee Waterway (OW), in the vicinity of St. Lucie Inlet; Martin County, Florida.

WORK & PURPOSE: The proposed work consists of maintenance dredging of portions of the IWW and the OM/St. Lucie River channels in the vicinity of St. Lucie Inlet. The IWW portion of the project will be dredged to a required depth of 12 feet mean low water (MLW) and the OW portion will be dredged to a required depth of 10 feet MLW. Material to be dredged is predominantly fine quartz, slightly Shelly, light gray sand and will be placed along the currently permitted beach disposal site south of St. Lucie Inlet as indicated on the attached drawings. An upland disposal site, MSA-5, is available if any future shoal material dredged from the project is not beach quality. Only beach quality material will be placed on the beach. It is estimated that approximately 150,000 cubic yards of shoal material accumulates within these channels over a 3-year period. Dredging and disposal will be accomplished by pipeline dredge or clamshell bucket and barge. The application for the State permit/water quality certification is for a 10-year period.

PROJECT AUTHORIZATION: Intracoastal Waterway - House Document 740, 79th Congress, 2nd Session, modified by Chief of Engineers Report 22 July 1960. Okeechobee Waterway - House Document 696, 76th Congress, 3rd Session, Rivers and Harbors Act of 2 March 1945.

EVALUATION:

a. Disposal Alternatives: The proposed beach disposal area is the primary disposal site based upon current economic conditions, since the shoal material is beach quality sand and the area is within a reasonable distance to the areas to be dredged. No upland disposal sites closer than the beach disposal alternative have been identified for the OWW shoal material. An upland site, MSA-5, has been provided for the IWW material by the Florida Inland Navigation District, the local sponsor for the IWW. Nearshore disposal is an alternative if beach disposal is not available. This alternative is less favorable than beach disposal due to difficulties in sand placement. Ocean disposal is the last alternative if conditions preclude use of the above disposal alternatives. In any case, the selected disposal alternative will comply with the applicable Federal regulations for disposal of dredged materials.

b. Historical Resources: The National Register of Historic Places and the latest supplement to the Register were consulted. No resources have been listed in the Register that may be affected by the project's operations. Existing historical, archaeological, and cultural resources within the work area will be so designated by the Corps and precautions taken to preserve all such resources as they existed at the time they were located. If during construction activities the Corps observes unusual items that might have historical or archaeological value, such observations shall be reported as soon as practicable.

c. Fish and Wildlife Resources: Both the IWW and OWW in the vicinity of St. Lucie Inlet are located near environmentally sensitive areas. The IWW from Jensen Beach to Jupiter Inlet is a State-designated aquatic preserve. The projects' impacts to the region's fish and wildlife resources have been evaluated and no significant adverse impacts are expected. This evaluation is based on past similar projects in the area and anticipated impacts of the proposed project. Construction activities will be kept under surveillance, management, and control to minimize interference with, disturbance to, and damage of fish and wildlife. The surveillance, management, and control will be performed by the Contractor performing the work. Contract work is under the supervision of the Corps.

d. Threatened or Endangered Species: The Contractor will monitor and instruct all personnel associated with the construction of the project about the presence of manatees and/or sea turtles in the area and the need to avoid collisions. All vessels associated with the project will be required to operate at "no wake" speeds at all times while in shallow waters, or channels, where the draft of the boat provides less than 3 feet clearance of the bottom. Boats used to transport personnel will be shallow-draft vessels, preferably of the light-displacement category, where navigational safety permits. Vessels transporting personnel between the landing and the dredge shall follow routes of deep water to the extent possible. The Contractor will brief his personnel concerning the civil and criminal penalties for harming, harassing, or killing manatees and/or sea turtles, which are protected under the Endangered Species Act and the Marine Mammal Protection Act. The Contractor will be held responsible for any manatee and/or sea turtles harmed, harassed, or killed as a result of the

construction of the project. The Contractor will keep a log detailing all sighting, collisions, damage, or killing of manatees and/or sea turtles which have occurred during the maintenance dredging period. Any collision with a manatee and/or sea turtle resulting in death or injury to the animal shall be reported immediately to the Corps' Environmental Resources Branch. Following project completion, the Corps will submit a report summarizing the above incidents to the U.S. Fish and Wildlife Service.

e. Need for Environmental Impact Statement. A Preliminary 404(b) Evaluation has been prepared for this project. Based upon this evaluation and information available in the project files for this and similar projects, the proposed dredging will have no significant impact on the quality of the human environment and does not require an Environmental Impact Statement. An Environmental Assessment is being prepared for this project::

f. Impact on the Coastal Zone. Pursuant to the memorandum of Understanding of-1979 (amended.1983) signed by the State of Florida and the Corps of Engineers, the Preliminary 404(b) Evaluation was prepared as a basis for determination of consistency. The disposal alternatives and impacts to historical resources, fish and wildlife, and threatened or endangered, species have been summarized above. The proposed project will benefit, navigation, providing safer passage for commercial and recreational vessels utilizing the area. The proposed beach disposal site, as the primary disposal alternative, will replenish sand lost by erosion and provide useful habitat to wildlife utilizing the area. It has been the Corps' determination that the proposed project **is** consistent with the State's Coastal Zone Management Plan to the maximum extent possible.

APPLICABLE LAWS: The following laws are, or may be, applicable to the review of the proposed disposal sites and to the activities affiliated with this Federal project:

1. Section 404 of the Clean Water Act of 1977 (PL 95-217) (33 U.S.C. 1344).
2. Section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972 (PL 92-532) (33 U.S.C. 1413, 86 Stat. 1052).
3. Section 302 of the Marine Protection, Research, and Sanctuaries Act of 1972 (PL 92-532, 86 Stat. 1052).
4. The National Environmental Policy Act of 1969 (PL 91-190) (42 U.S.C. 4321-4347).
5. Sections 307(c) (1) and (2) of the Coastal Zone Management Act of 1972 (16 U.S.C. 1456(c)(1) and (2), 86 Stat. 1280).
6. The Fish and Wildlife Act of 1956 (16 U.S.C. 472a et seq.).
7. The Migratory Marine Game-Fish Act of 1959 (16 U.S.C. 760c-760g).

8. The Fish and Wildlife Coordination Act of 1958 (16 U.S.C. 661-666c).
9. The Endangered Species Act of 1973 (PL 93-205) (16 U.S.C. 668aa-668cc-6, 87 Stat. 884).
10. The National Historic Preservation Act of 1966 (16 U.S.C. 470, 80 Stat. 915).
11. Section 313 of the Clean Water Act of 1977 (33 U.S.C. 1323, 82 Stat. 816).

DISSEMINATION OF NOTICE: You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have an interest in this matter.

-COORDINATION:, This notice is being sent to, and coordinated with, the following agencies:

FEDERAL AGENCIES:

CECW-D, Office of Chief of Engineers, Washington, D.C.
Commander, Seventh Coast Guard District, Miami, FL
Director, Atlantic Marine Center, National Ocean Service, Norfolk, VA
FDA, Regional Shellfish Specialist, Atlanta, GA
" Director, National Park Service, Southeast Region, Atlanta, GA .
Regional Director, National Park Service, Southeast Region, Atlanta, GA
Regional Director, Fish & Wildlife Service, Atlanta, GA
Field Supervisor, Fish & Wildlife Service, Jacksonville, FL
Field Supervisor, Fish and Wildlife Service, Vero-Beach, FL
Regional Hydrologist,, U. S. Geological Survey, Atlanta, GA
District Chief, U. S. Geological Survey, WRD, Tallahassee, FL
Regional Hydrologist, NOAA, National Feather Service, Ft. worth, TX
Southeast River Forecast Center, NOAA, National Weather Service, Atlanta, GA
Environmental Protection Agency, EA Branch,, Review Section, Atlanta, GA
Environmental Protection Agency, Ofc of Fed Activities; Washington, DC
Federal Energy Regulatory Commission, Atlanta, CA
National Marine Fisheries Service, EA Branch, Panama City, FL
National Marine Fisheries Service, EA Branch, St. Petersburg, FL
Federal Maritime Commission, Ofc of Phergy & Environ. Impact, Wash, DC
USDA, Soil Conservation Service, Gainesville, FL

STATE AGENCIES:

Executive Dir, DNR, Tallahassee, FL
DNR, Div of Beaches & Shores, Tallahassee, FL
Fla. Game & Fresh Water Fish Comm, Lakeland, FL
Secretary, Dept of Environmental Regulation, Tallahassee, FL
Dept of Agriculture, Bureau of Soil & Water Conservation, Gainesville, FL
Director, Florida Game & Fresh Water Fish Commission, Tallahassee, FL
Dir, Div of Archives, History & Records Management, Tallahassee, FL
Secretary, Dept of Transportation, Tallahassee, FL
Sanitary Engineer, Dept of HRS, Jacksonville, FL
Federal Highway Admin, Tallahassee, FL

ENVIRONMENTAL ORGANIZATIONS:

Executive Director, Florida Audubon Society, Maitland, FL
Executive Director, Florida Wildlife Federation, [Akst Palm Beach, FL

LOCAL GOVERNMENTS:

Florida Inland Navigation District, Jupiter, FL
South Florida Water Management District, Wbst Palm Beach, FL
Chairman, Board of County Commissioners, Martin County
Martin County Engineering Department, Stuart, FL
Martin County Administrator, Stuart, FL
Martin County Commissioner, Stuart, FL

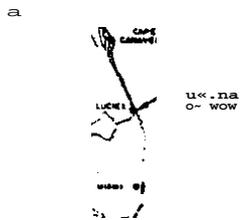
FOR THE COMMANDER:



GAIL G. GREN
Chief, Construction-Operations Division

— 77 —
NORTHERLY LIMIT

20
az \ mo



OCEAN

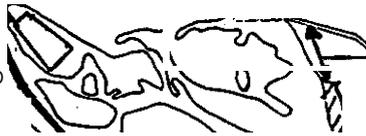
DREDGING AREA

0



ST. LUCIE INLET

EXISTING UPLAND
DISPOSAL SITE
(MSA-5)



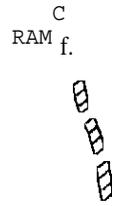
BEACH D/A BEGINS 1000' SOUTH OF
SOUTH JETTY

SOUTHERLY-LIMIT

JUPITER
ISLAND

INTRACOASTAL
WATERWAY

PERMITTED BEACH DISPOSAL AREA
(18,500 FEET)



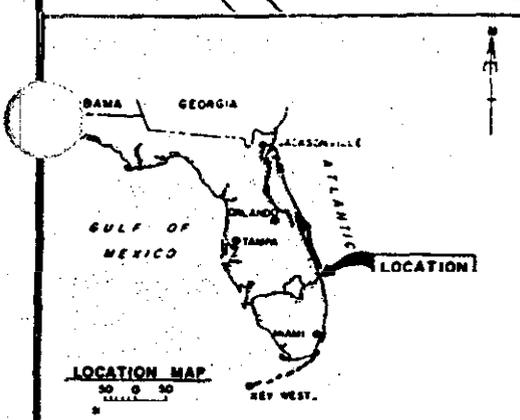
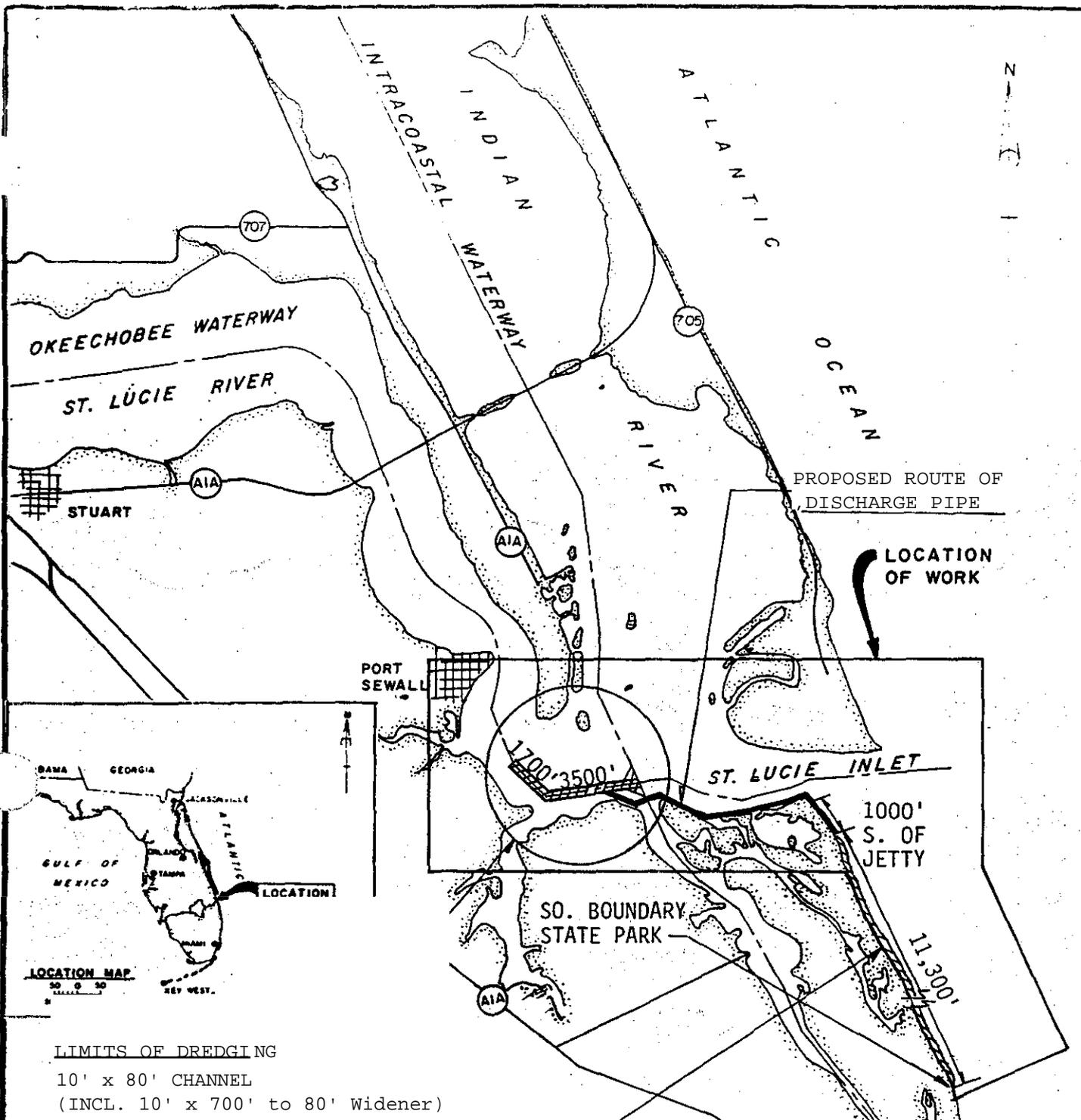
U.S. ARMY CORPS OF ENGINEERS
IWW VICINITY ST. LUCIE INLET
LOCATION-MAP

0,1 I

SCALE IN FEET

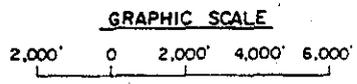
2000 0 2000 6000

SCALE AS SHOWN FEB. 1988



LIMITS OF DREDGING
 10' x 80' CHANNEL
 (INCL. 10' x 700' to 80' Widener)
 (10' M.L.W. IS REQUIRED DEPTH)

PERMITTED BEACH DISPOSAL AREA



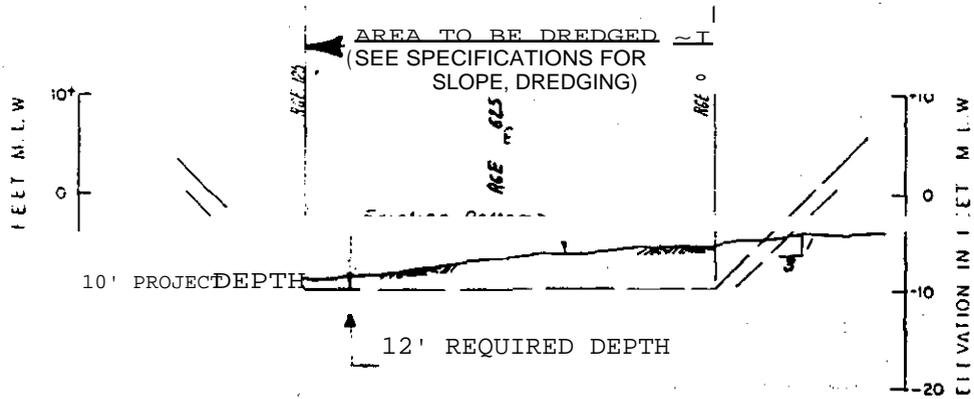
OKEECHOBEE WATERWAY, FLORIDA

8 - FOOT PROJECT

MAINTENANCE DREDGING
 AND BEACH DISPOSAL

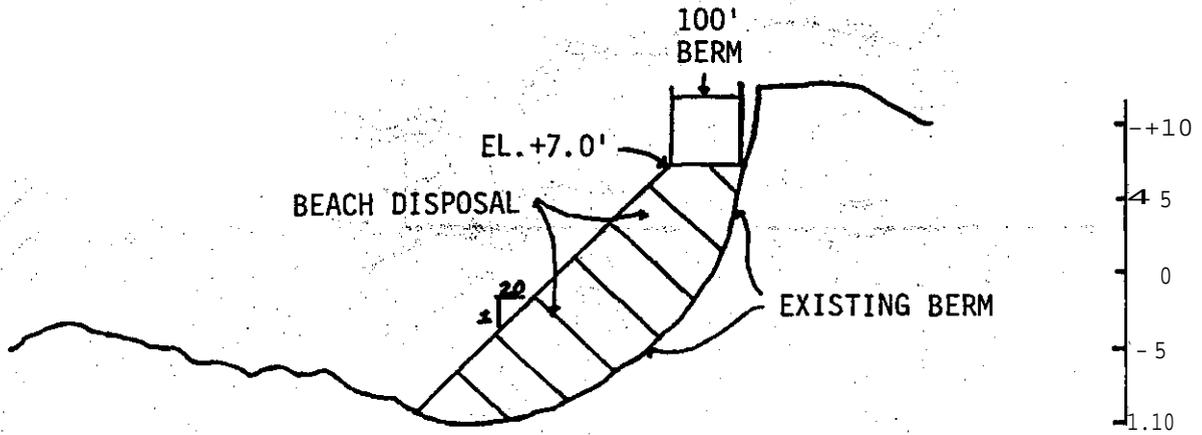
VICINITY MAP AND PLAN VIEW

JACKSONVILLE DISTRICT
 CORPS OF ENGINEERS



TYPICAL DREDGING SECTION

ABOVE ELEVATIONS REFER TO MEAN LOW WATER (MLW) WHICH IS 0.7' BELOW N.G.V.D. of 1929.



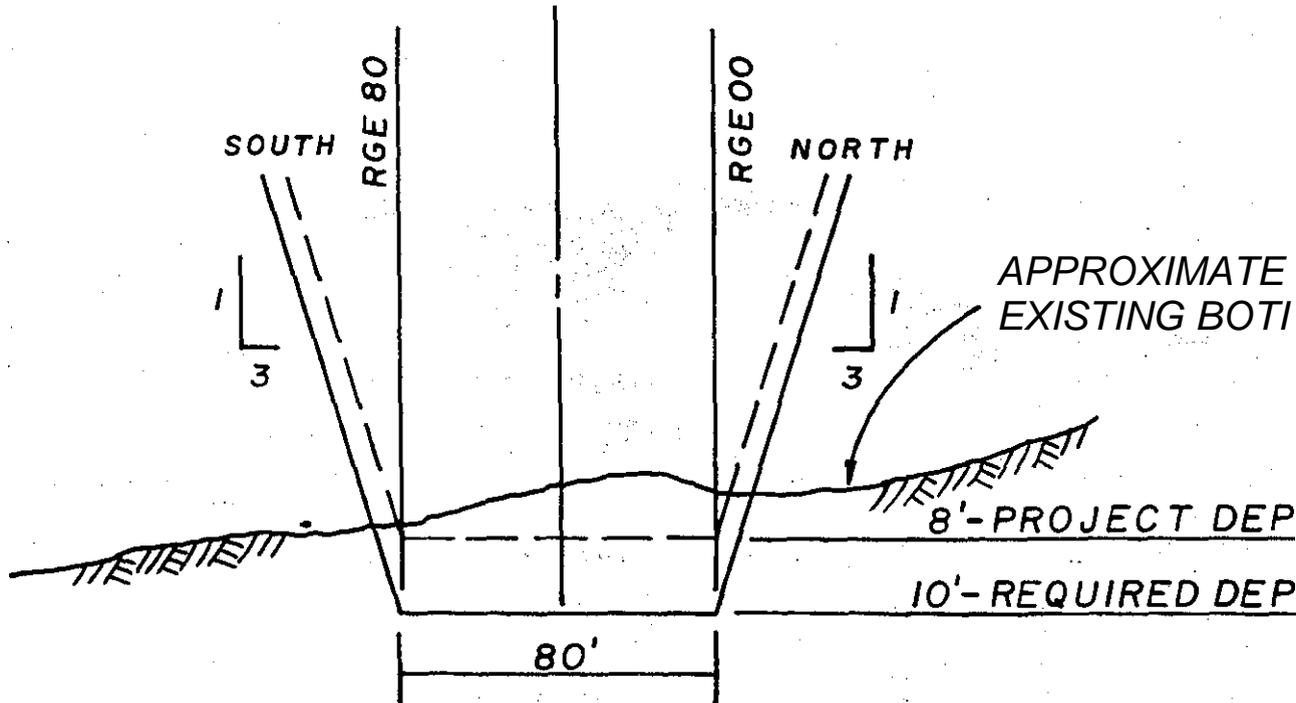
TYPICAL BEACH PROFILE.

ELEVATIONS IN FT. (M.L.W.)

ABOVE BEACH PROFILE ELEVATIONS REFER TO MEAN LOW WATER (MLW) WHICH IS 1.1' BELOW N.G.V.D. OF 1929.

~ / rt EXISTING CHANNEL

ELEVATION IN FEET - M.L.W.
5
0
-5
-10
-15
-20



NOTE: ELEVATIONS REFER TO MEAN LOW WATER (MLW) WHICH IS 0.4 FEET BELOW N.G.V.D. OF 1929.

TYPICAL DREDGING SECTION

(FOR STATIONS 4+00 CUT-1 TO 17+00 CUT 2)

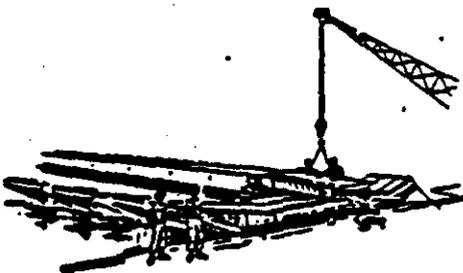
GRAPHIC SCALES: 1" = 50' HORZ.

1" = 5' VERT.

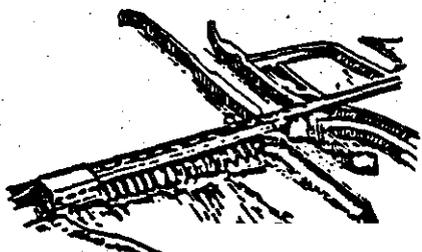
U.S. ARMY CORPS OF ENGINEERS
O.W.W. VICINITY OF ST. LUCIE INLE

TYPICAL DREDGING SECTION
SCALE AS SHOWN

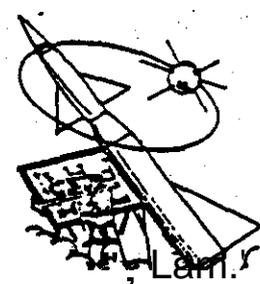
DEFENDING OUR FREEDOM, DEVELOPING OUR RESOURCES



A FIGHTING ARM



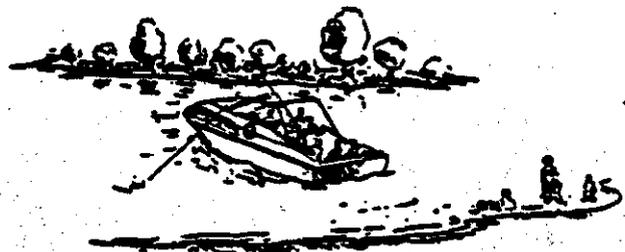
NAVIGATION, POWER & FLOOD CONTROL



RESEARCH & DEVELOPMENT



MILITARY CONSTRUCTION



RECREATION & WATER SUPPLY



MAPPING THE WORLD



U.S. ARMY
CORPS OF ENGINEERS



ula3rI3 e ION si si|gl

INVI80dWI

00C2 *29M 3LLVAIYWI 004 "7•N30
ssaNrsra Iv*uso

6100-ZEZZE varao1s'3nI ANOSazvr

9-9 'ON J.I Wa3d
AMY 3HI dO IH V4A)dVd30
QIVd S333 *8 30V,1.SOd
t+dIZ

3'jnjANCsAOvr"L7ttuSjc a33NrvN3 ~waw s ri
AWUV 3HI JO 1N3wIbvd3Q