

FIGURES



Alabama

Georgia

Tallahassee

Jacksonville

Hernando Beach

Tampa

Florida

Miami

Gulf of Mexico

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U.S. ARMY ENGINEER DISTRICT
JACKSONVILLE FLORIDA



HERNANDO BEACH
NAVIGATION STUDY



Figure 1 - Location Map



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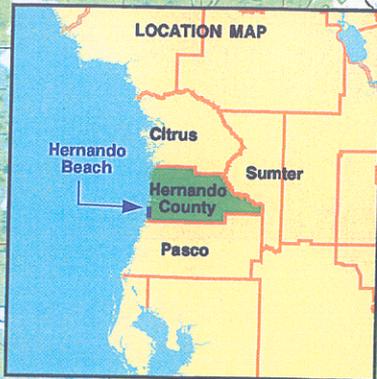
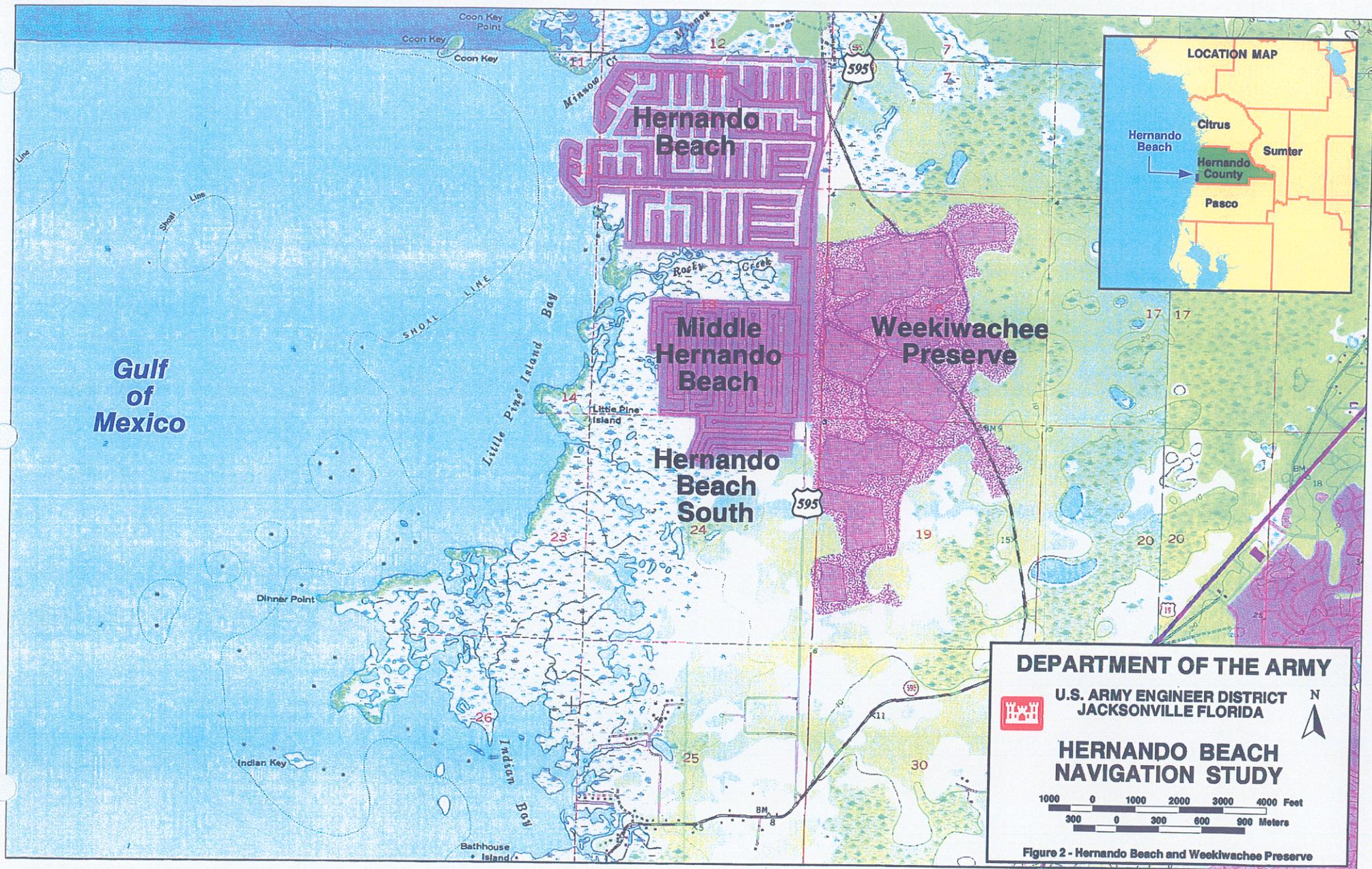
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**HERNANDO BEACH
NAVIGATION STUDY**

0 0 000 1200 Feet

Figure 10 - Facility Locations



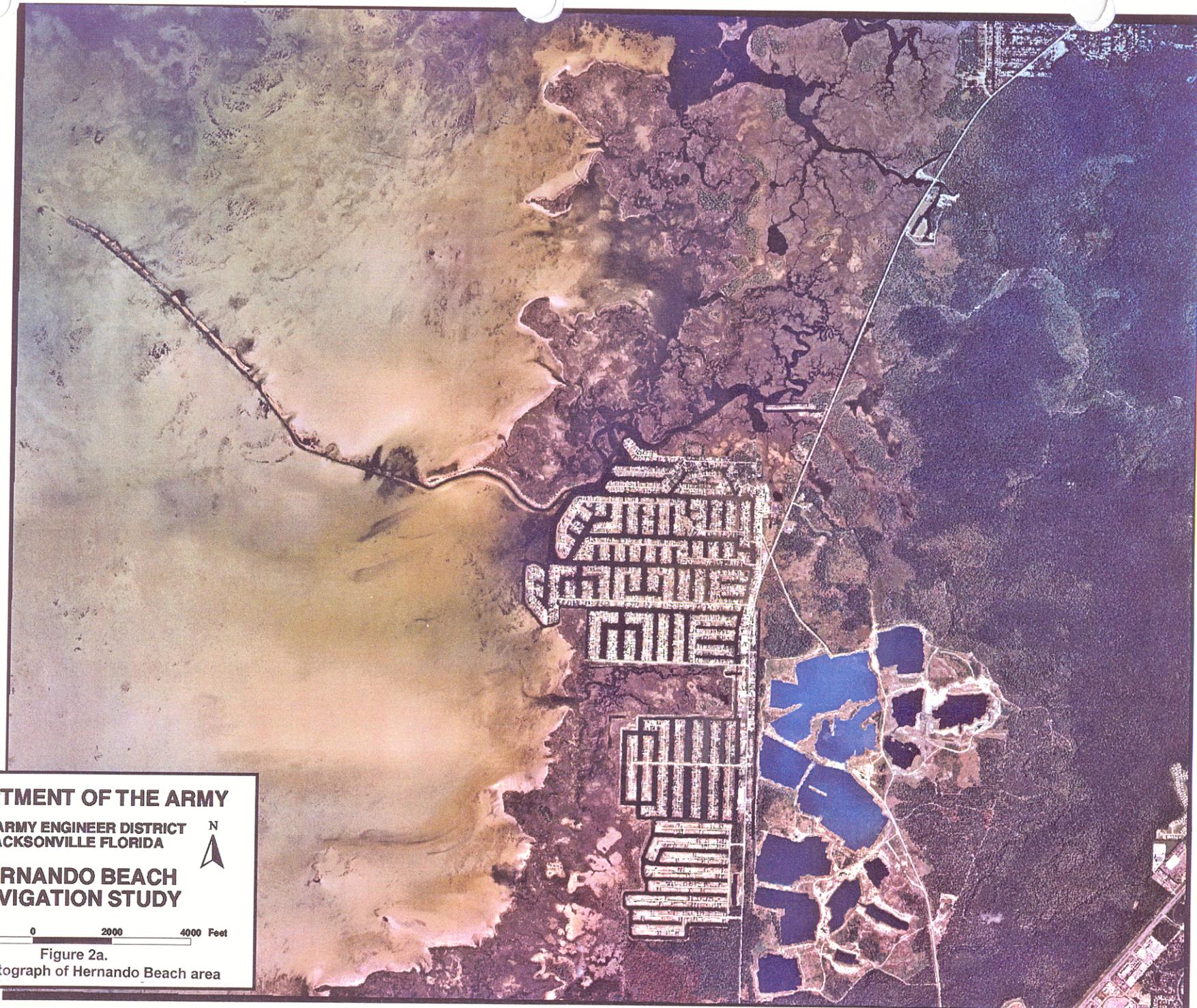
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1000 0 1000 2000 3000 4000 Feet
 300 0 300 600 900 Meters

Figure 2 - Hernando Beach and Weekiwachee Preserve



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2000 0 2000 4000 Feet

Figure 2a.

Aerial photograph of Hernando Beach area

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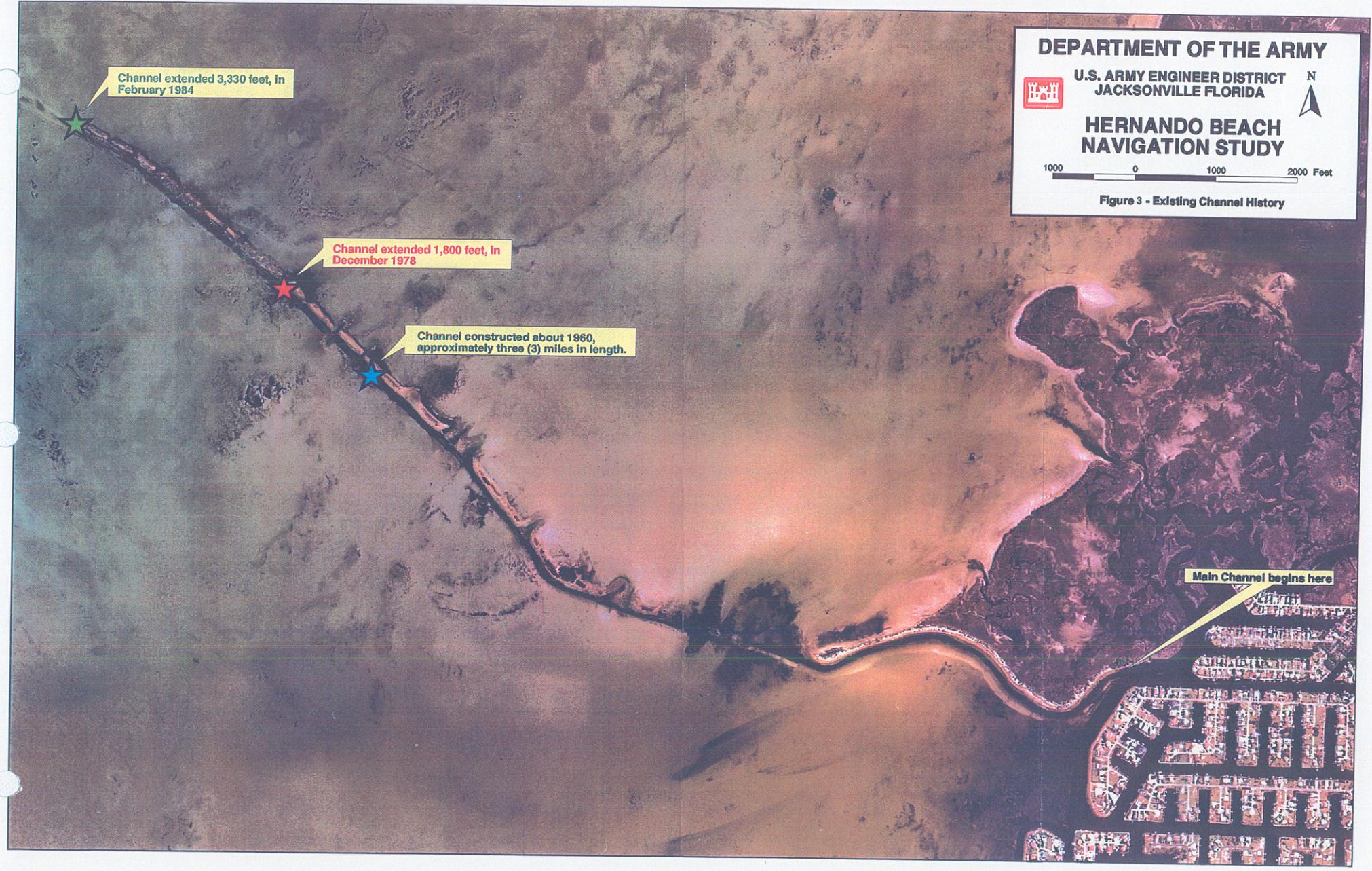
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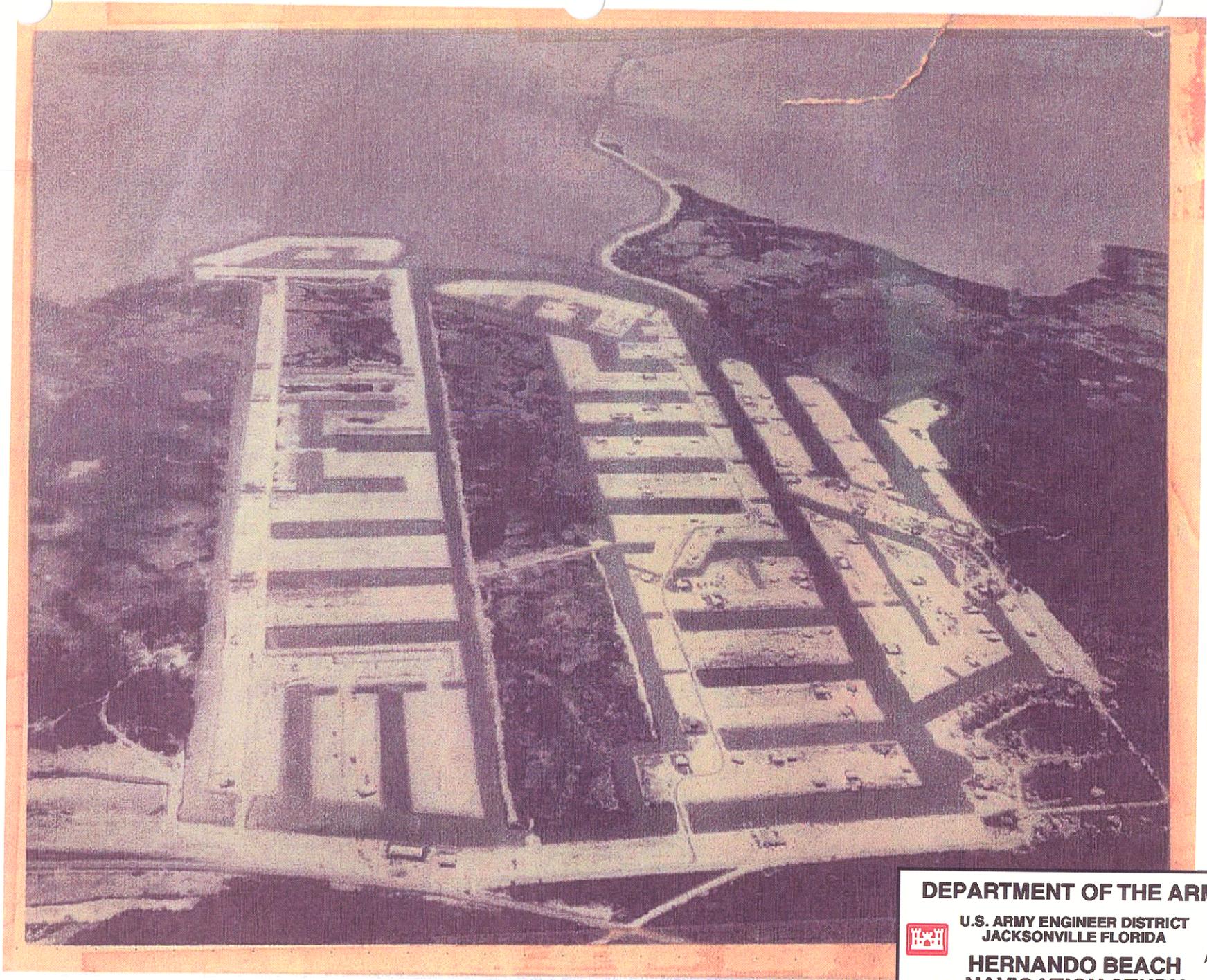


**HERNANDO BEACH
NAVIGATION STUDY**



Figure 3 - Existing Channel History





This oblique aerial (facing west) shows the channel at the thime of construction.

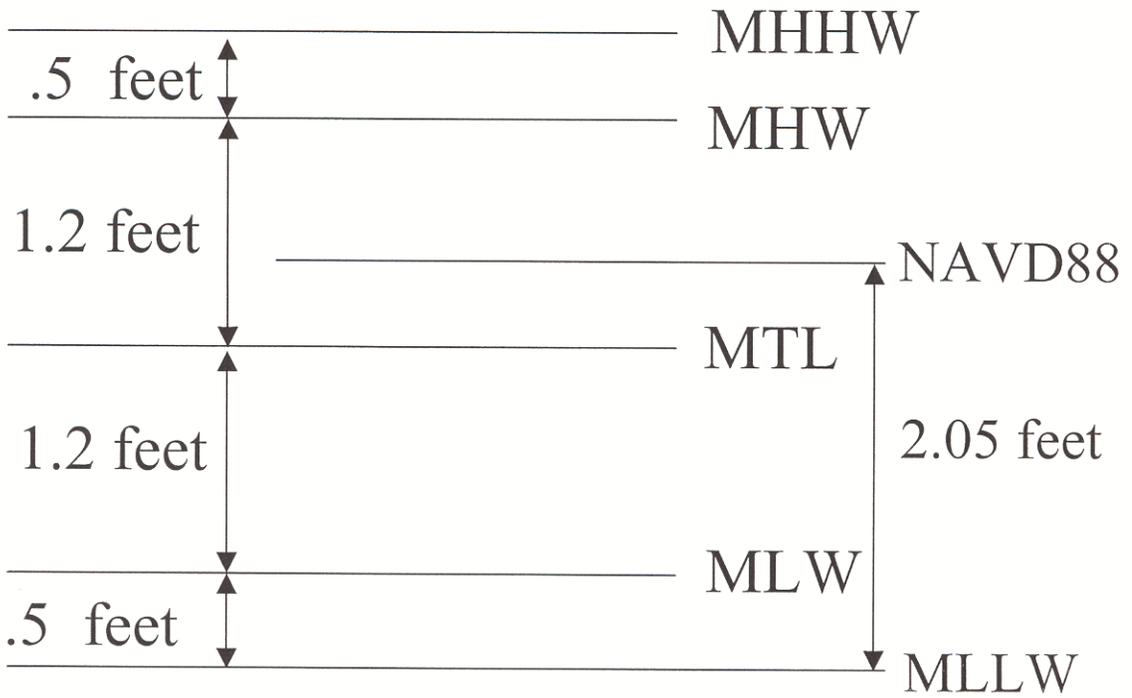
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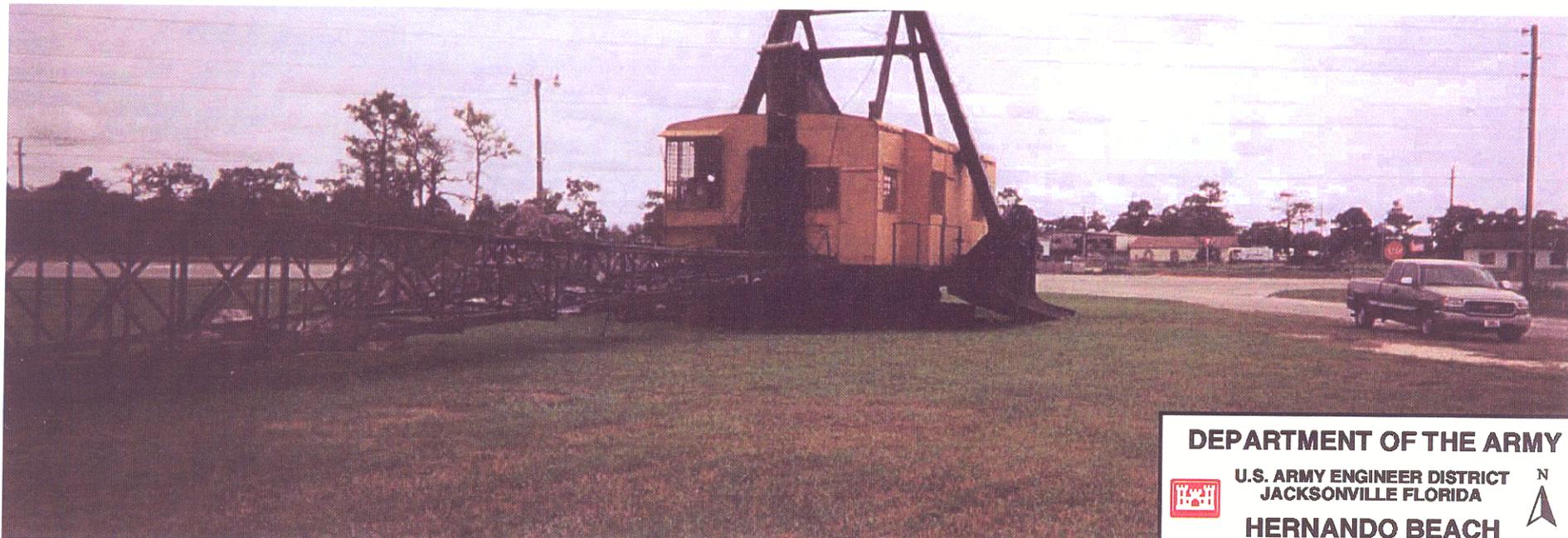
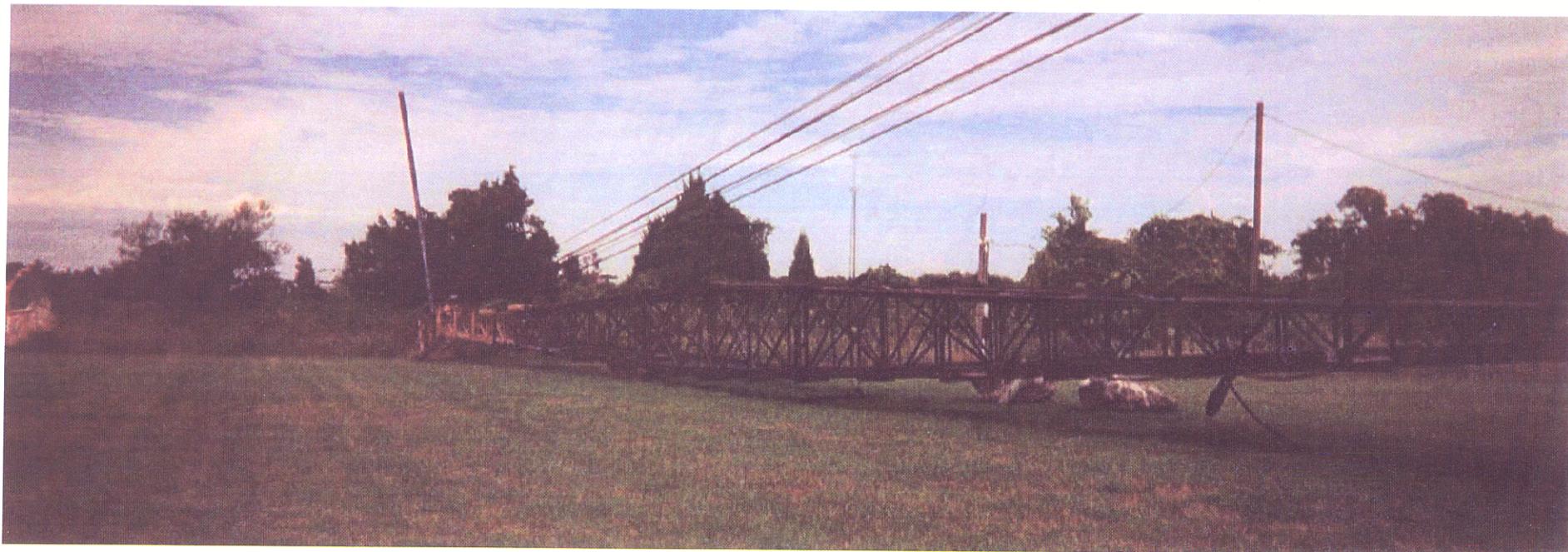
Figure 4. Hernando Beach, 1960



Abbreviations: MHHW Mean Higher High Water
 MHW Mean High Water
 MTL Mean Tide Level
 MLLW Mean Lower Low Water
 NAVD88 North American Vertical Datum of 1988

Not To Scale

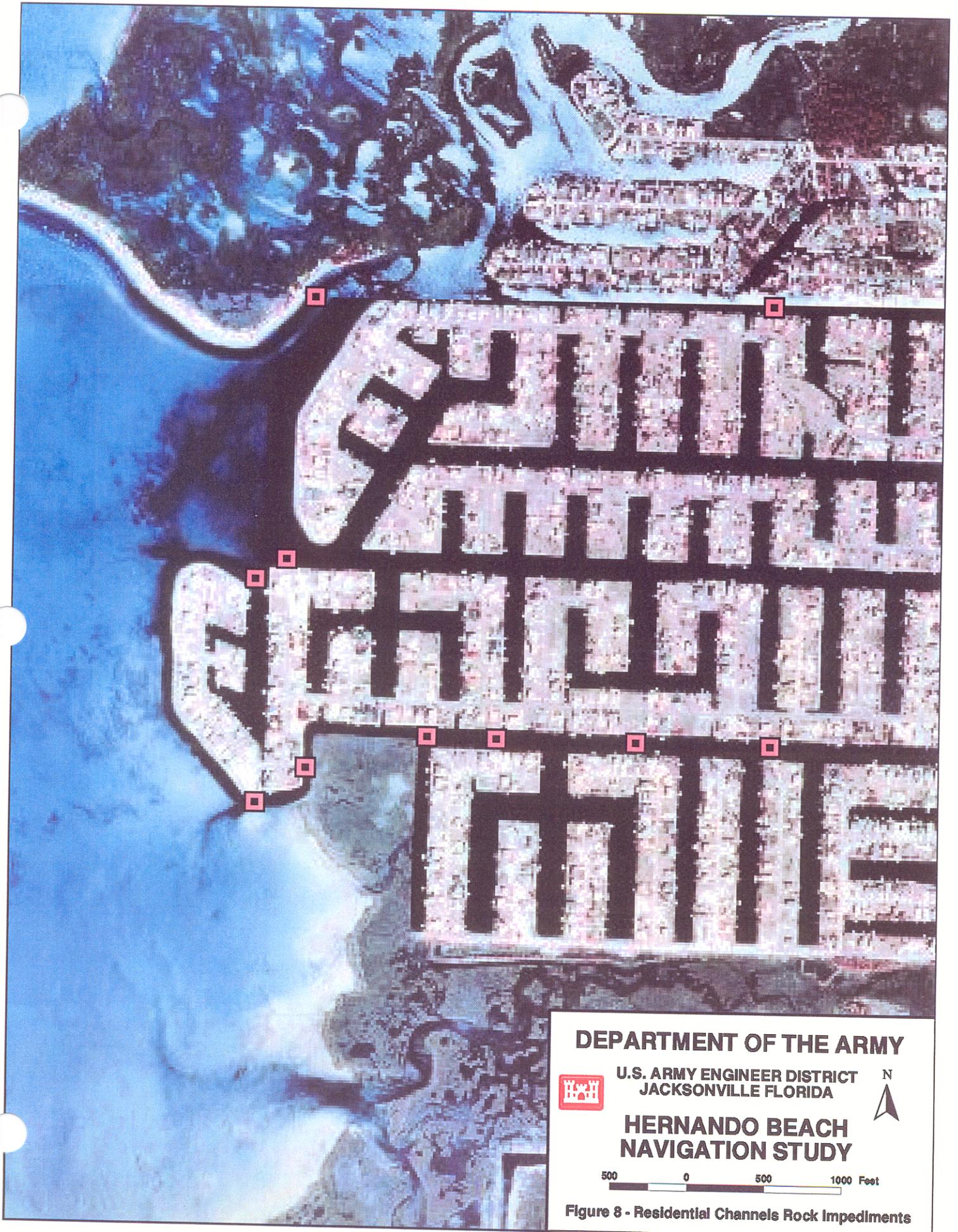
**Schematic Showing
 Water Levels
 7/23/2002
 Figure 5.**



Dragline used in channel operations

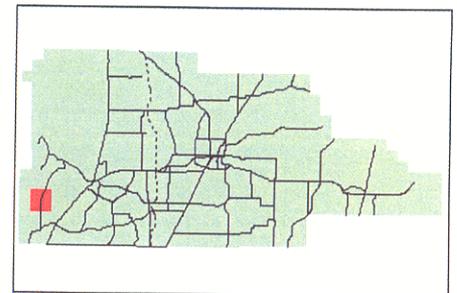
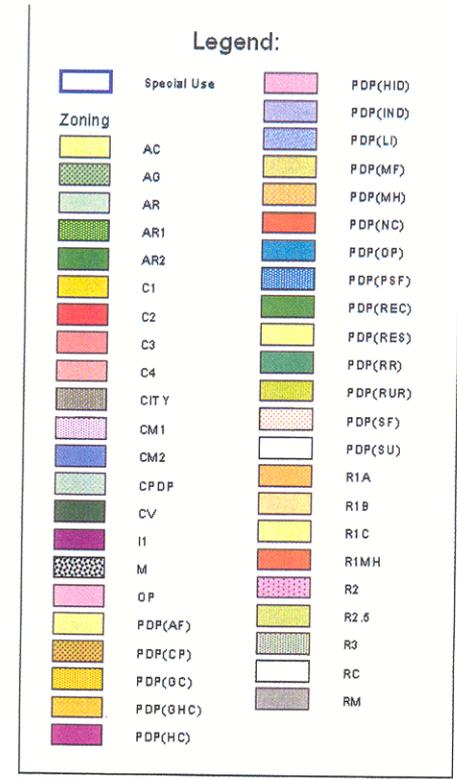
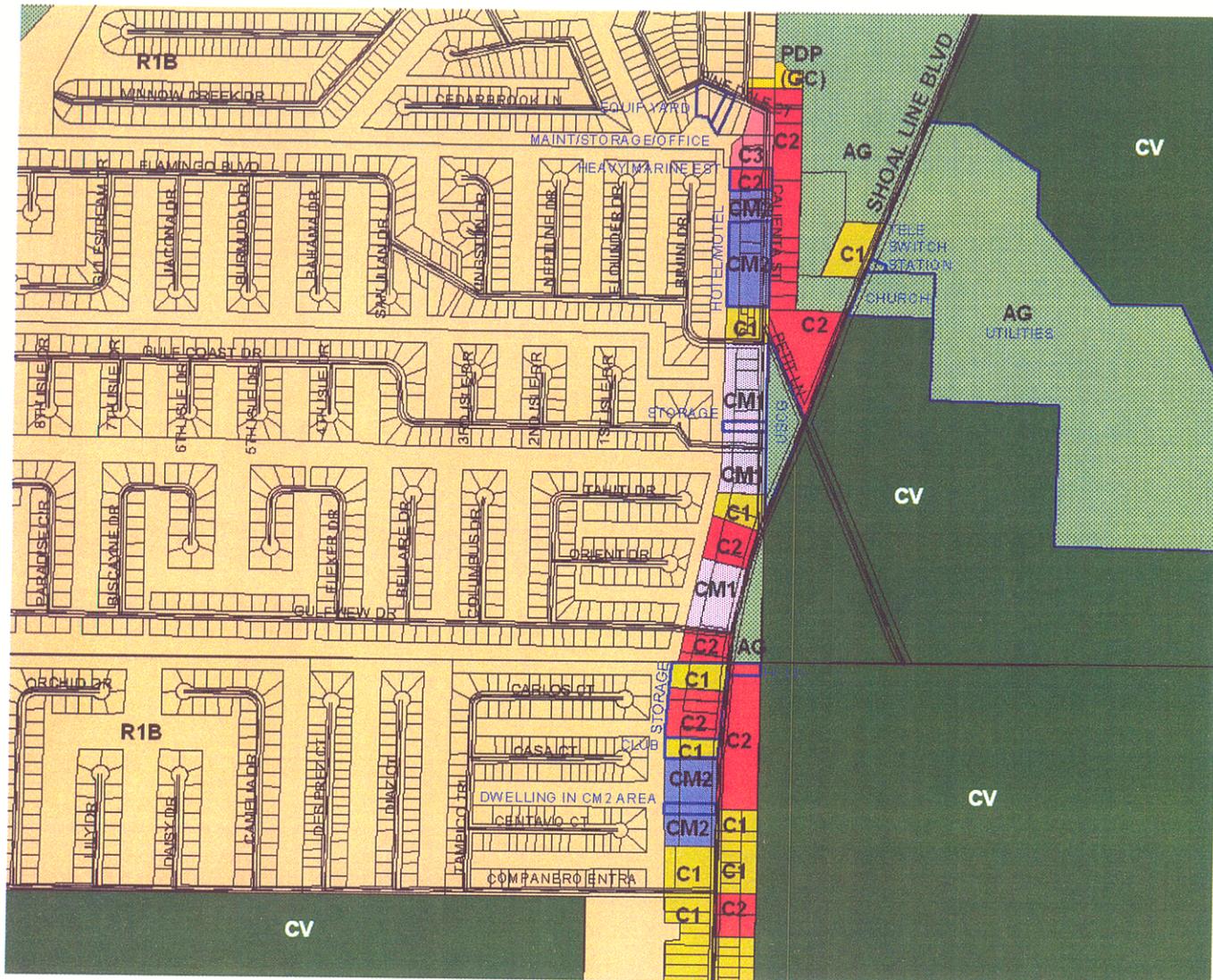
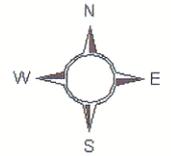
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Figure 6





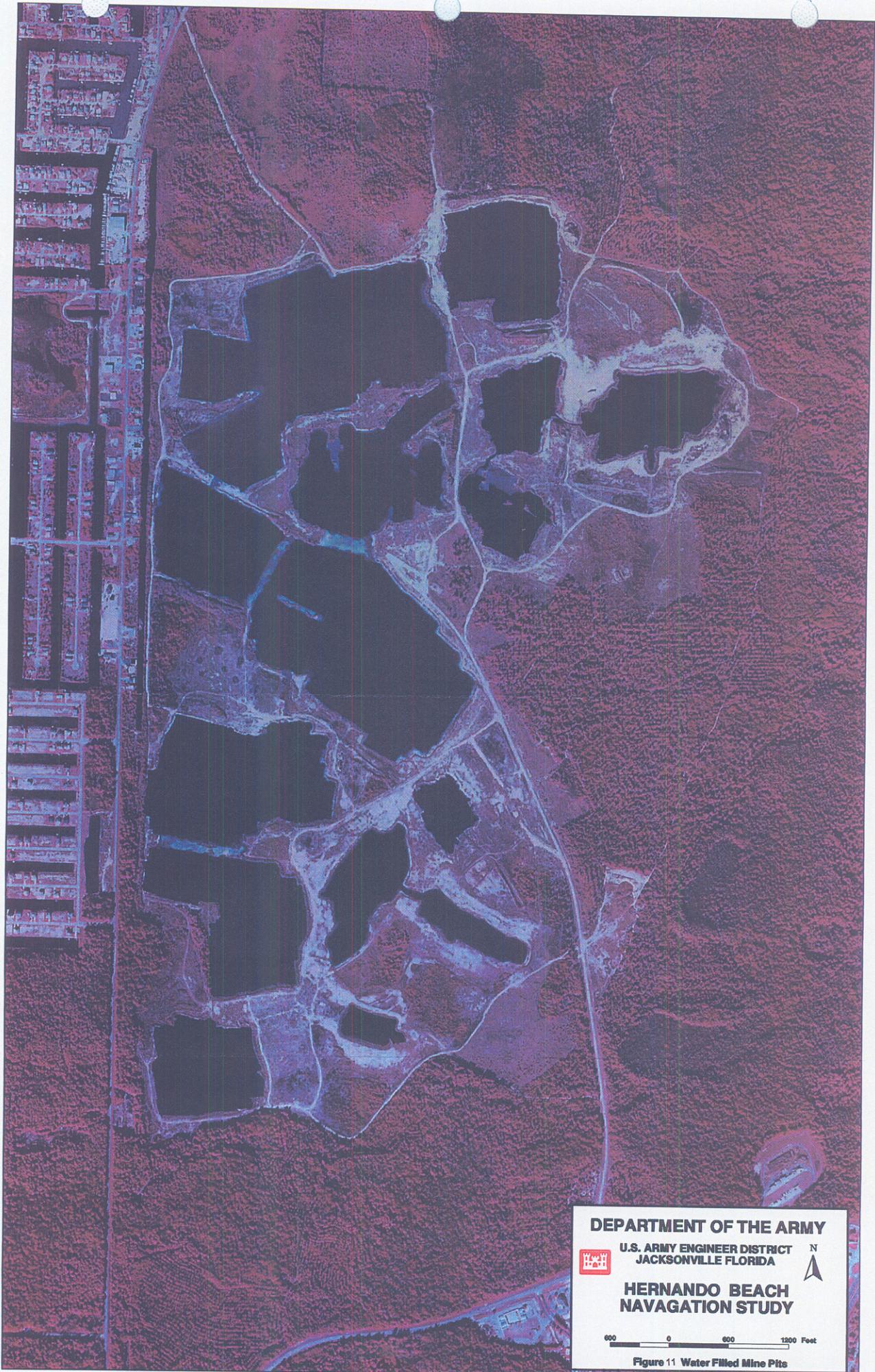
Zoning Customer Map

PREPARED BY THE HERNANDO COUNTY PLANNING DEPARTMENT
Print date: August 9, 2002



HERNANDO COUNTY PLANNING DEPARTMENT GEOGRAPHIC INFORMATION SYSTEM (GIS) DATA MAP DISCLAIMER:
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Figure 9. Zoning



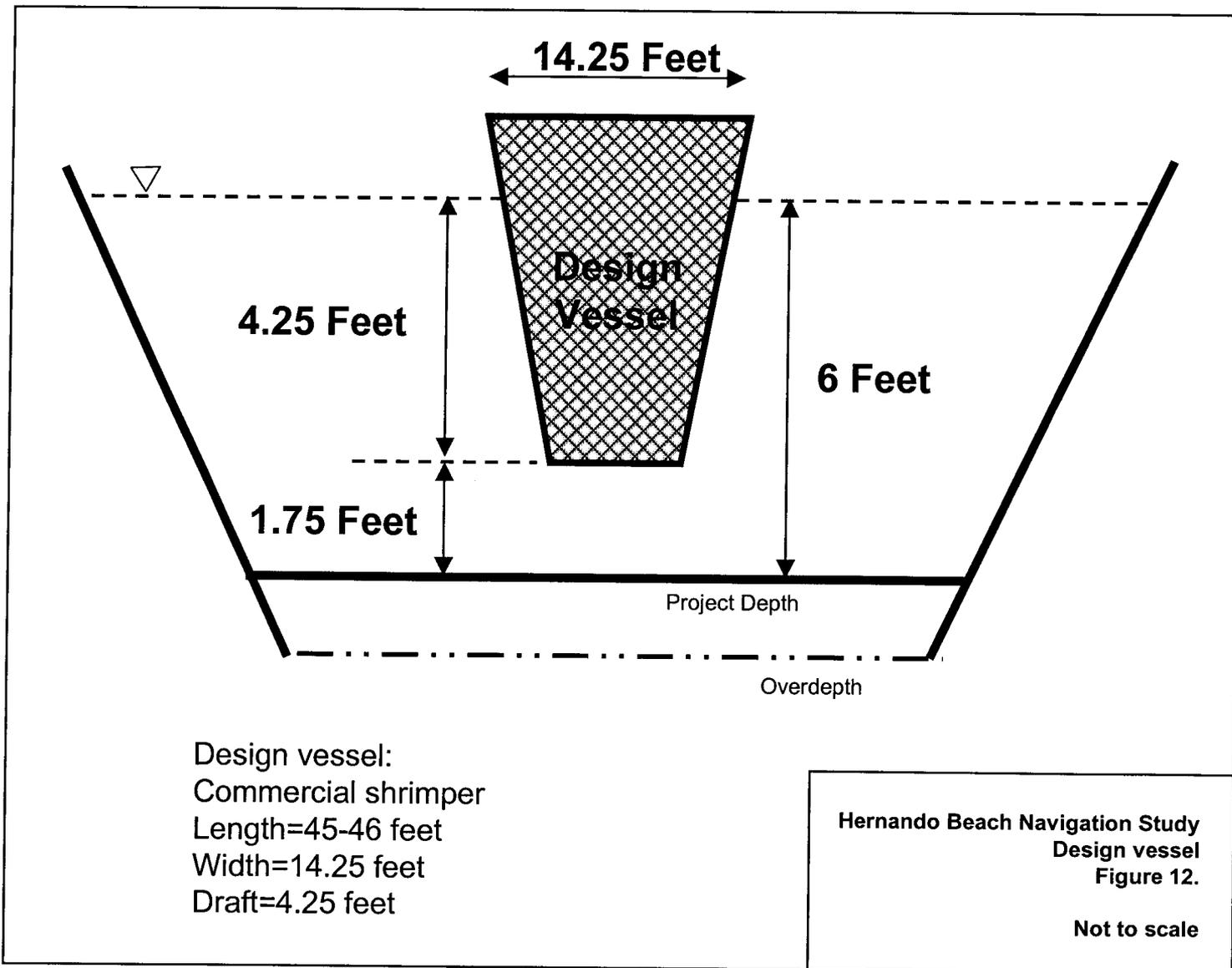
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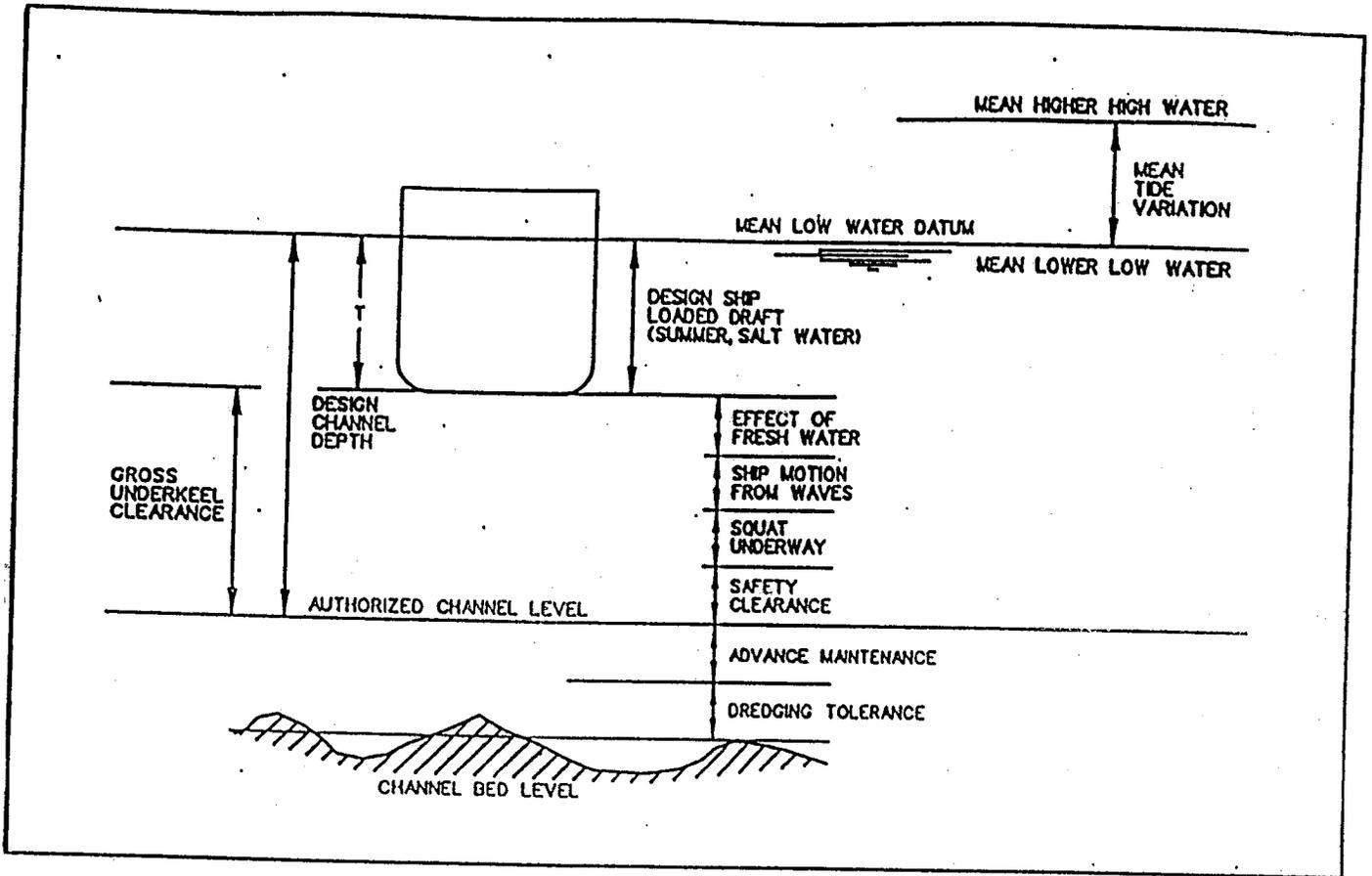
 

HERNANDO BEACH
NAVIGATION STUDY

0 600 1200 Feet

Figure 11 Water Filled Mine Pits





Hernando Beach Navigation Study
 Figure 13. Zero-risk depth

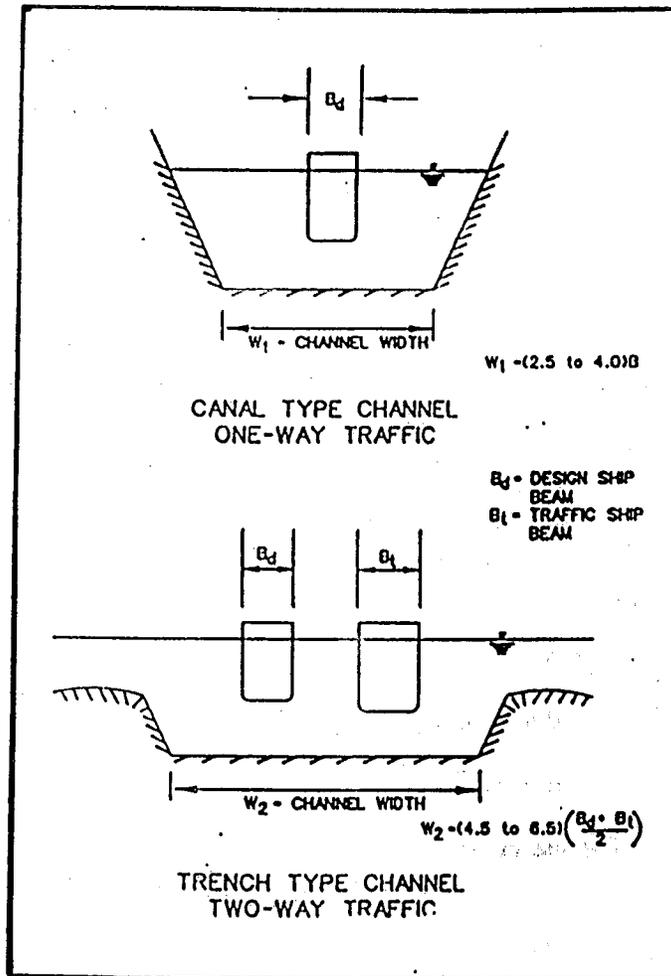
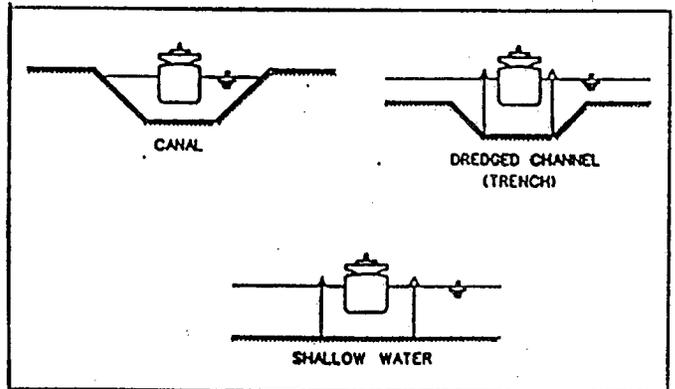


Table 8-3
Two-Way Ship Traffic Channel Width Design Criteria

Channel Cross Section, Constant Cross Section	Design Ship Beam Multipliers for Maximum Current, Knots		
	0.0 to 0.5	0.5 to 1.5	1.5 to 3.0
Best Aids to Navigation			
Shallow	5.0	6.0	8.0
Canal	4.0	4.5	5.5
Trench	4.5	5.5	6.5



Hernando Beach Navigation Study
Figure 14. Channel dimensions