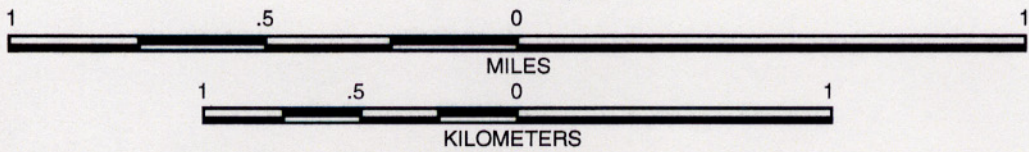


HILLSBORO INLET



SCALE 1 : 24,000



INLET SUMMARY SHEET

SITE: Hillsboro Inlet, Broward County, Florida

DATE AND TIME SURVEYED (TIDE): Low tide and high tide on 15 March 1994 (ground survey and overflight).
Flood tide on 16 March 1994 (boat).

RANKING (DEGREE OF DIFFICULTY): (see ranking scale)

B.

PRINCIPAL RESOURCES AT RISK:

Large number (+100) of Brown pelicans with roost on waterway. Manatees present. Atlantic green turtles and Atlantic loggerhead turtles nest on outer beaches. Patches of mangroves along waterway. Marina facilities, boats, and seawalls, revetments, docks, etc. on the Hillsboro River and the network of canals along the river.

PRELIMINARY PROTECTION STRATEGY:

The strategy for a flood tide would begin with an effort to collect oil coming into the inlet through the marginal flood channel to the south (landward of submerged rock ledge) and oil coming across the rocky ledge weir through the south jetty into the spillway basin created by the sand bypass dredge.

- 1) South Channel: A line of deflection boom is placed across the channel so as to divert the oil to the sand beach just south of the inlet, where it could be recovered manually.
- 2) Spillway Basin: Two options are suggested: a) boom attached to the jetty and strung across in front of the weir zone to the sand beach. Oil that accumulates in the spillway basin could be collected using a vacuum truck with a skimmer head; and b) anchor boom near the south end of the north jetty and string it down the

INLET SUMMARY SHEET

SITE: Hillsboro Inlet, Broward County, Florida (continued)

OTHER COMMENTS:

Currents of 5-6 knots are reported for the flood tide. We observed strong (± 3 kts) currents at the bridge, but the current dropped off appreciably in the Hillsboro River to the north and south of the inlet.

A sand bypass system that has been functioning since the early 1960's is located just inside the north jetty (a weir jetty). This system bypasses 60 percent of the sand that moves alongshore from north to south.

INLET SUMMARY SHEET

SITE: Hillsboro Inlet, Broward County, Florida (continued)

PRELIMINARY PROTECTION STRATEGY (continued):

center of the channel to an anchor point that defines the top of a configuration. The north limb of the configuration would deflect oil to a collection point in a small embayment on the north side of the channel that has a concrete (sand bag) revetment around it. A vacuum truck with a skimmer head could be used at that collection point.

NOTE: Both of these strategies would be difficult, if not impossible, if large waves are present.

Further inside the inlet, two lines of harbor deflection boom are used to deflect oil to a collection point against the concrete seawall in an embayment on the west side of the main channel. This is a quiet water area with relatively weak currents.

In the event of exceptionally strong flood currents in the main channel that would cause entrainment past the north limb of the Christmas tree, that line of boom could be extended at a smaller angle and attached to the seawall near the bridge.

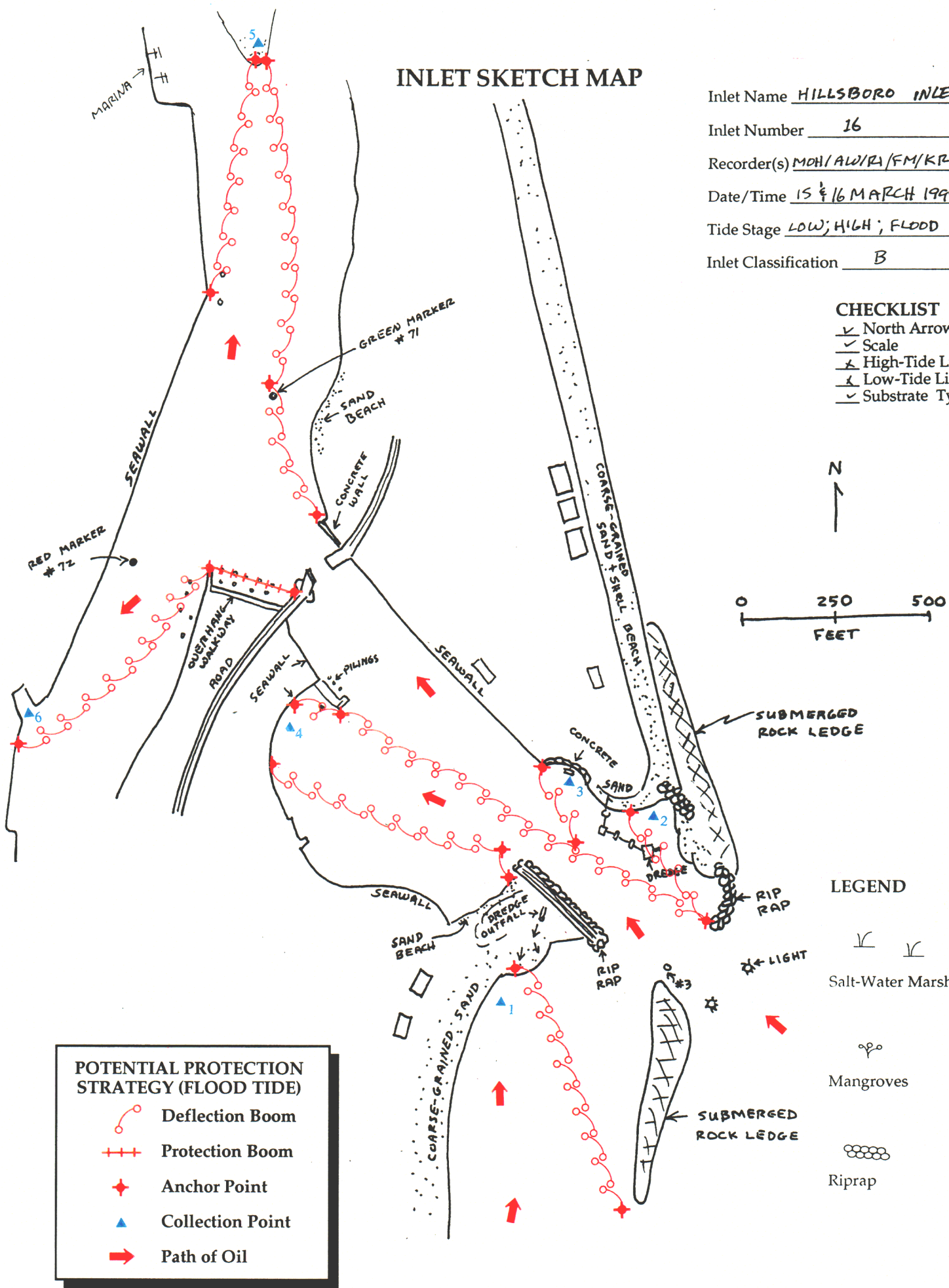
If entrainment past the Christmas tree were to be anticipated, lines of harbor deflection boom could be established north and south of the inlet in the Hillsboro River. These lines of boom would deflect oil to collection points located to the north and south (CPs 5 and 6; see sketch map).

The shoreline directly landward of the bridge could be lined with harbor boom. If the necessary footage of boom is not immediately available, that part of the shore could be left unprotected, because it is mostly a vertical concrete seawall.

INLET SKETCH MAP

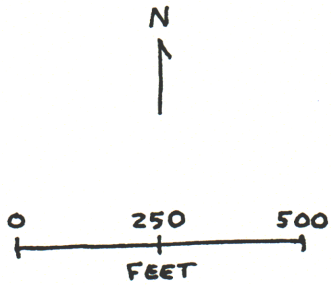
Inlet Name HILLSBORO INLET
 Inlet Number 16
 Recorder(s) MDH/AW/RA/FM/KR
 Date/Time 15 & 16 MARCH 1994
 Tide Stage LOW; HIGH; FLOOD
 Inlet Classification B

- CHECKLIST**
- North Arrow
 - Scale
 - High-Tide Line
 - Low-Tide Line
 - Substrate Type



POTENTIAL PROTECTION STRATEGY (FLOOD TIDE)

- Deflection Boom
- Protection Boom
- Anchor Point
- Collection Point
- Path of Oil



- LEGEND**
- Salt-Water Marsh
 - Mangroves
 - Riprap

Site Information Record

Inlet: Hillsboro

Recorder(s): RI, FM

Date / Time: 7/3/94; 0800

Site Name / #: South Jetty Beach Collection Site; #1

Site Type(s): Manual / Mechanical Collection

Contact Information: City of Pompano Beach, Parks and Recreation

Relative Location: South Jetty outer beach.

Address: Hillsboro, FL

Directions from Miami: I-95 N exit Atlantic Blvd., east to A1A north to side street on right for public beach access

Latitude: 26° 15.1'

Longitude: 80° 05.1'

Water Depth Description: 2' depth @ 25' off beach, 4' depth @ 50' out, 6' depth @ 75' out

Current / Tide Information: 1-3 knots maximum flood along shore, 2'-3' average tidal range.

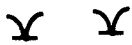
Shoreline Description: Fine to medium sand beach (100 yards wide)

Access Description: Paved to sand for 1/2 mile to collection point. Possible to pad beach for vac truck access on beach.

Support Equipment / Facilities: None.

Additional Comments: None.

LEGEND



Salt-Water Marsh



Mangroves



Riprap

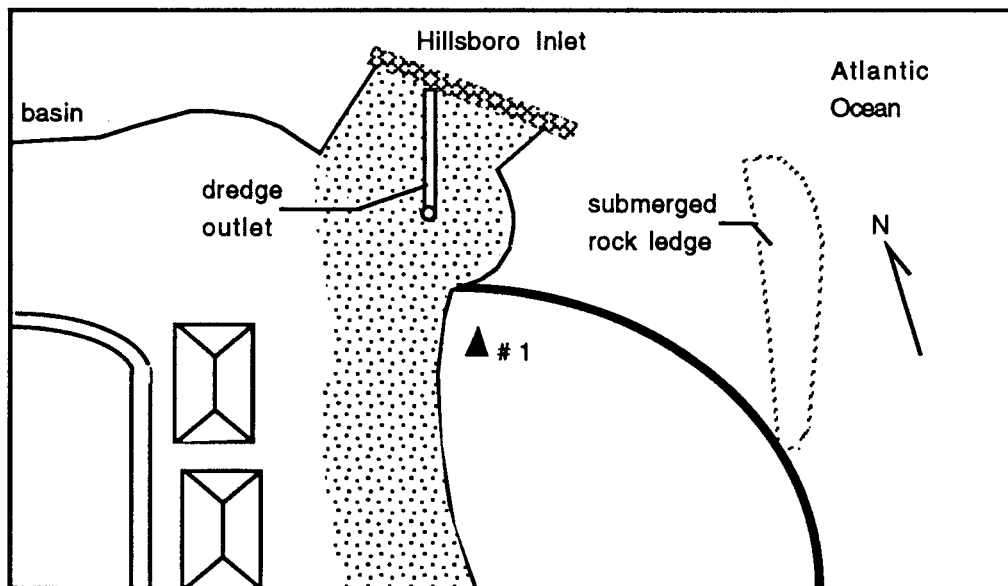


Sand beach

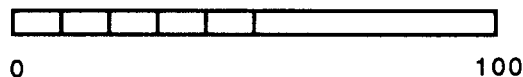


Collection Point

-Sketch-



Scale (yards)



Site Information Record

Inlet: Hillsboro

Recorder(s): RI, FM

Date / Time: 7/3/94

Site Name / #: North Jetty Collection Site; #2,3

Site Type(s): Mechanical Collection

Contact Information: City of Pompano Beach, Parks and Recreation

Relative Location: ~~South~~ ^{North} Jetty outer beach

Address: Hillsboro, FL

Directions from Miami: I-95 N exit Atlantic Blvd., east to A1A, north to Coast Guard facility (just north of Hillsboro Inlet Bridge on the east side of A1A).

Latitude: 26° 15.1'

Longitude: 80° 05.1'

Water Depth Description: 2' depth @ 25' off beach, 4' depth @ 50' out, 6' depth @ 75' out.

Current / Tide Information: 1-3 knots maximum flood along shore, 2'-3' average tidal range.

Shoreline Description: Fine to medium sand beach (100 yards wide).

Access Description: Paved to sand for 20' to water. Possible to pad beach for vac truck access on beach.

Support Equipment / Facilities: Water, electric, lighting.

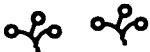
Additional Comments: Very difficult getting access into this facility.

-Sketch-

LEGEND



Salt-Water Marsh



Mangroves



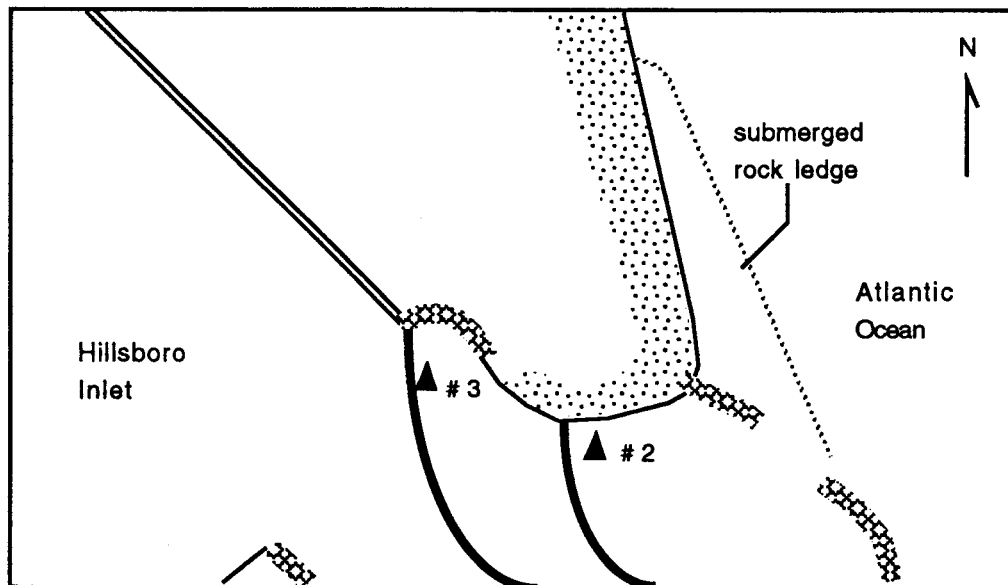
Riprap



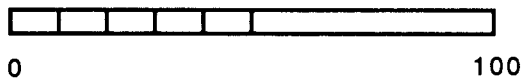
Sand beach



Collection Point



Scale (yards)



Site Information Record

Inlet: Hillsboro

Recorder(s): RI, FM

Date / Time: 7/2/94

Site Name / #: South Basin Collection Site; #4

Site Type(s): Mechanical Collection, Staging

Contact Information: Anita Wooldridge, MSRC (305)347-2200

Relative Location: SE corner of Hillsboro Bridge

Address: Corner of A1A and Bay Drive, Hillsboro FL

Directions from Miami: I-95 N exit Atlantic Blvd. east to A1A, north to southeast corner of Hillsboro inlet bridge

Latitude: 26° 15.7'

Longitude: 80° 05.0'

Water Depth Description: 5' depth @ 0-10' off bulkhead, 7' depth @ 20' out

Current / Tide Information: 1-2 knots maximum flood inside basin, 4-6 knots in channel; 2'-3' average tidal range

Shoreline Description: Concrete bulkhead, pilings

Access Description: Paved to hard / medium packed sand / grass (100 yards) to concrete bulkhead.

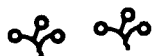
Support Equipment / Facilities: 1 1/2 acre sand lot (hard and medium packed) power possible and water, paved 2 acre lot across street to west (old marina) with docks, power and water.

Additional Comments: Barbed-wire, fenced lot, locked gate with chain. Bascule bridge with 13' vertical clearance and 60' horizontal clearance.

LEGEND



Salt-Water Marsh



Mangroves



Riprap

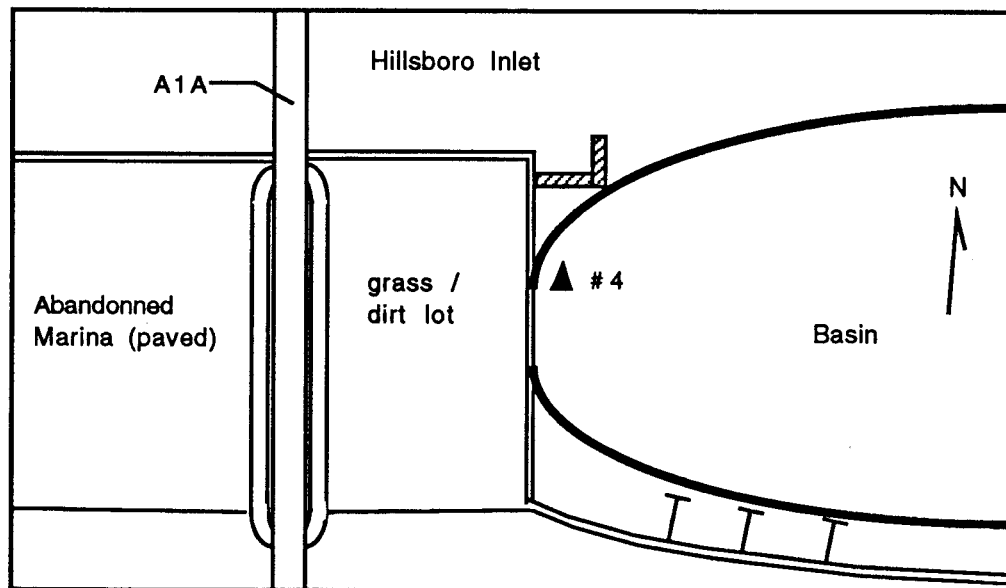


Sand beach

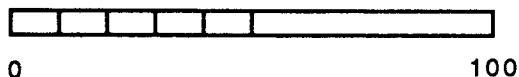


Collection Point

-Sketch-



Scale (yards)



Site Information Record

Inlet: Hillsboro Inlet

Recorder(s): RI, FM

Date / Time: 7/3/94

Site Name / #: North Peninsula Collection Site; #5

Site Type(s): Mechanical Collection

Contact Information: Lyn Donley, Intercostal Realty (305) 467-1448 (at this time)

Relative Location: South Point of Cap's Island Peninsula; north of inlet

Address: South end of NE 31st Avenue, Hillsboro, FL

Directions from Miami: I-95 N exit Atlantic Blvd., east to U.S 1 north, to south end of N.E 31st Ave

Latitude: 26° 16.0'

Longitude: 80° 05.0'

Water Depth Description: 1' depth @ 10' off beach, 2' depth @ 15' out, 4-6' depth @ 25' out

Current / Tide Information: 1-2 knots maximum flood @ point, 2'-3' average tidal range

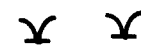
Shoreline Description: Sandy beach (10-15' wide) scattered mangrove at or above high tide line

Access Description: Paved to packed dirt (50 yards), to beach (10-15') to water

Support Equipment / Facilities: None

Additional Comments: Property for sale and undeveloped, adjacent marina with docks, gas, diesel, haul out, supply, food (across channel)

LEGEND

 Salt-Water Marsh

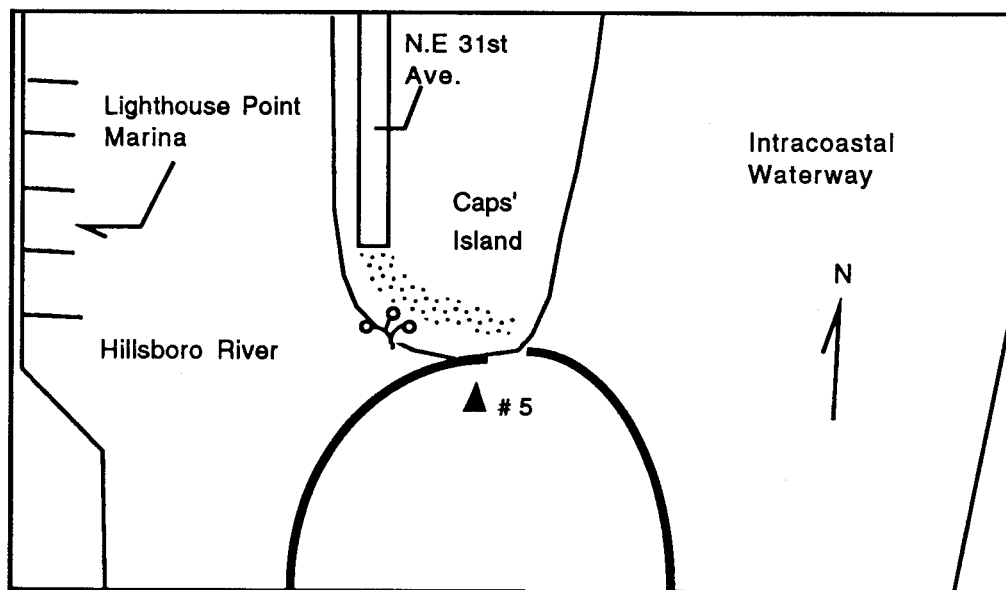
 Mangroves

 Riprap

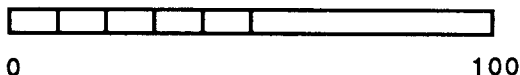
 Sand beach

 Collection Point

-Sketch-



Scale (yards)



Site Information Record

Inlet: Hillsboro

Recorder(s): RI, FM

Date / Time: 7/3/94; 1000

Site Name / #: Exchange Club Park Collection Site; #6

Site Type(s): Mechanical Collection, Staging

Contact Information: City of Pompano Beach / Light House Point

Relative Location: Exchange Club Park

Address: Across street from 2417 NE 24th Street

Directions from Miami: I-95 north, exit Atlantic Blvd. east to US 1 north to 24th street east to #2417

Latitude: 26° 15.7'

Longitude: 80° 05.4'

Water Depth Description: 2' depth @ 10' off beach, 4' depth @ 20' out, 6' depth @ 40' out

Current / Tide Information: 0-2 knots maximum flood along beach, 2'-3' average tidal range

Shoreline Description: Sandy beach, concrete bulkhead to north; rock, mangrove, concrete bulkhead to south

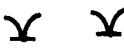
Access Description: Paved to hard packed grass / sand (50 yards) to beach (20') to water

Support Equipment / Facilities: Lavatories, shaded picnic area, gravel / grass lot (2 acres)

Additional Comments: Pelican Sanctuary 20 yards to south, may need pre-approval. 6' chain link fence with access gates, chain locked

-Sketch-

LEGEND

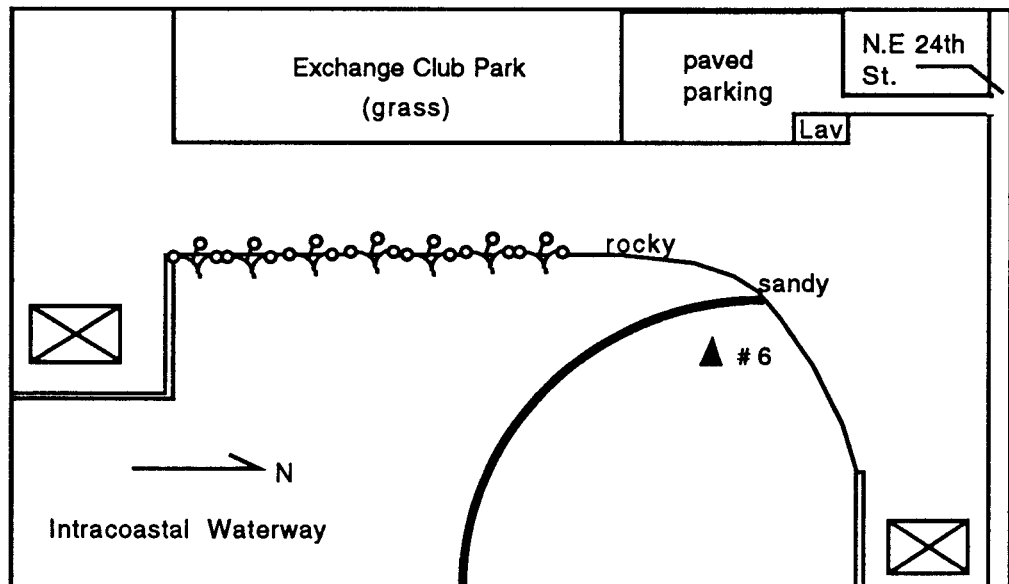
 Salt-Water Marsh

 Mangroves

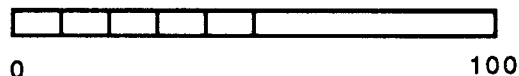
 Riprap

 Sand beach

 Collection Point



Scale (yards)



Site Information Record

Inlet: Hillsboro

Recorder(s): RI, FM

Date/Time: 7/2/94; 0900

Site Name / #: 14th Street Launch Ramp

Site Type(s): Secondary Staging, Launch

Contact Information: USCG Auxiliary, Flotilla 34, (305) 941-5781

Relative Location: 1/4 Mile NW of 14th Street Bridge

Address: NE 14th Street and Intracoastal Waterway

Directions from Miami: I-95 N. to Atlantic Blvd East exit to 14 Street Bridge, make left before crossing bridge

Latitude: 26° 15.1'

Longitude: 80° 05.5'

Water Depth Description: 5-6' depth off bulkhead

Current / Tide Information: 0-1 knot max flood, 2-3' average tidal range

Shoreline Description: Concrete bulkhead

Access Description: Paved to water.

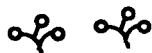
Support Equipment / Facilities: Light 2 acre paved lot, lavatories, water, power, dockage across canal

Additional Comments: USCG auxiliary 34, Florida Marine Patrol on premises 35' ramp (25' wide).

LEGEND



Salt-Water Marsh



Mangroves



Riprap

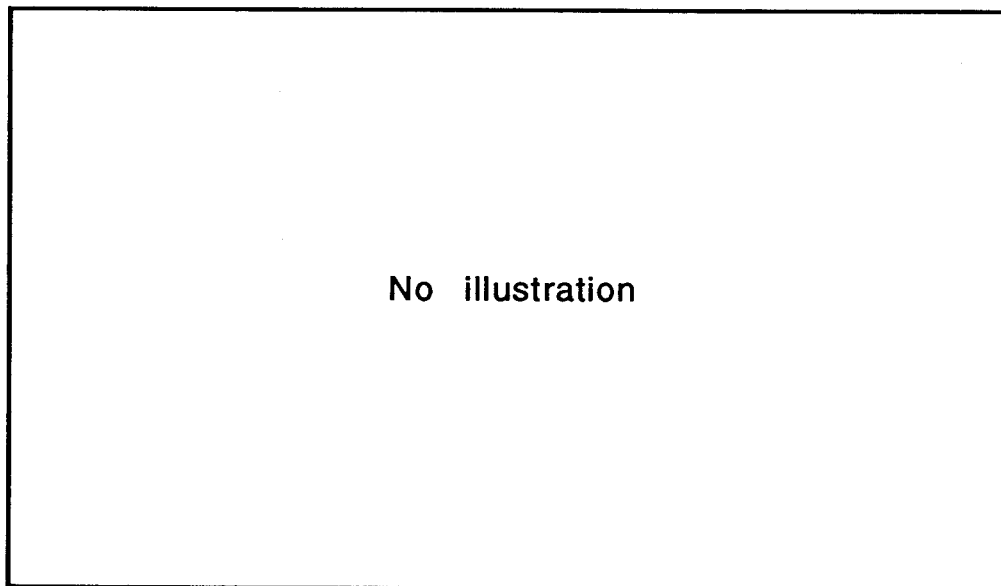


Sand beach



Collection Point

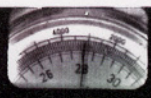
-Sketch-



Scale ()



0



8-30-92

1" = 500'

PD 4137-I-137



HILLSBORO INLET

1999 DOQQ
1:6,000



Hillsboro Inlet