

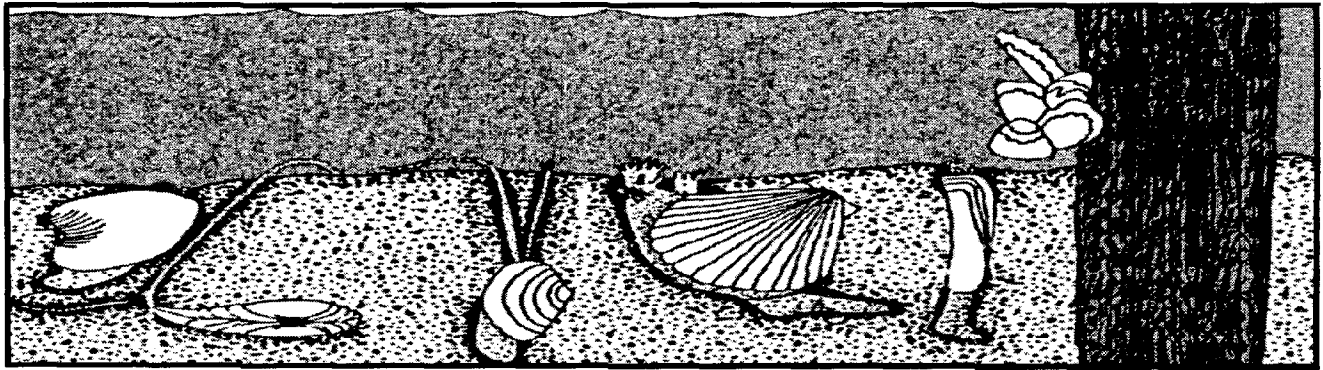
# NOAA STATUS AND TRENDS

## Mussel Watch Project

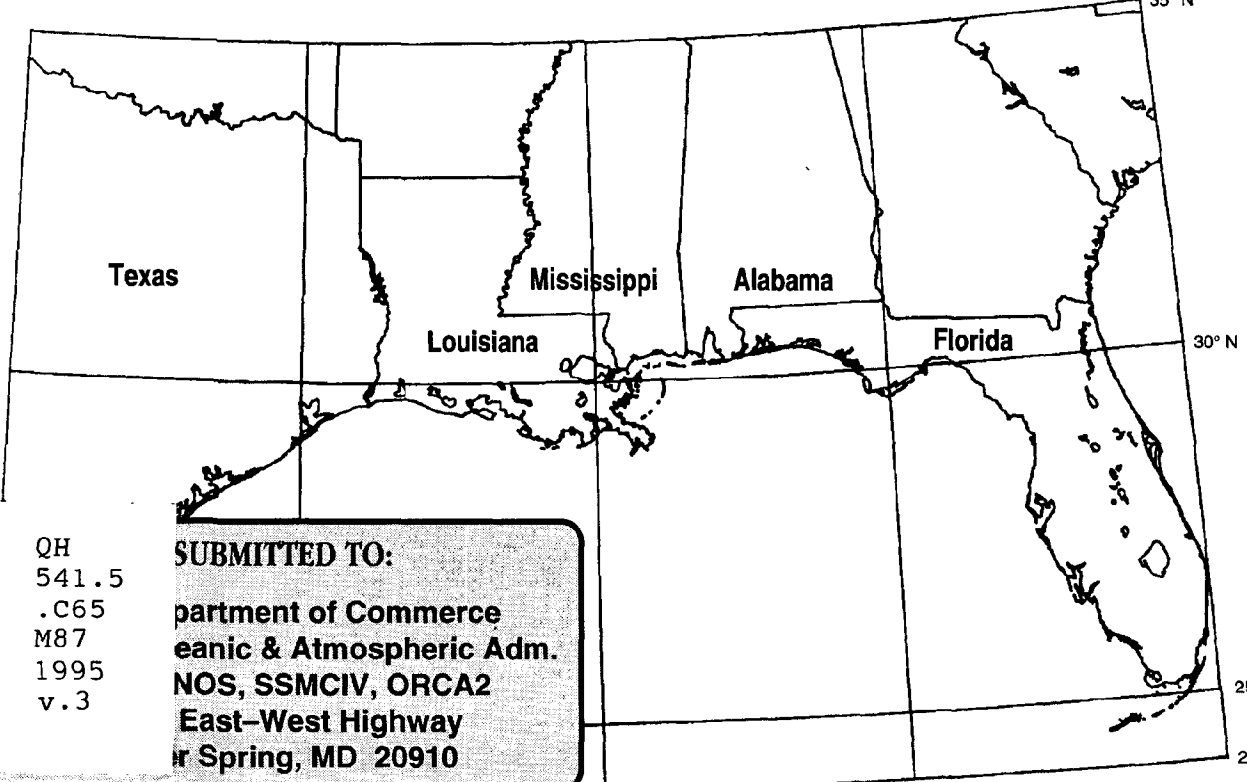
*Volume 3: Gulf Coast Florida–Louisiana Site Descriptions*



The Geochemical & Environmental Research Group



100° W      95° W      90° W      85° W      80° W      35° N



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Mussel Watch Program  
Volume 3 - Gulf Coast  
Florida - Louisiana Site Descriptions

1995

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VOLUME 3 - GULF COAST  
FLORIDA - LOUISIANA SITE DESCRIPTIONS

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## SITE DESCRIPTION OVERVIEW

The location of the Caribbean and Gulf of Mexico (Florida through Louisiana) NS&T Mussel Watch Program sampling sites are shown in Figures 1 through 11. Detailed descriptions for each of the individual sites are given in the following pages.

Each of the NS&T sites has a unique site number and designating code. The code is a four letter code, that is taken from the site's name and location, eg. EVFU - Faka Union Bay Everglades. The nominal site center is calculated from the mean of the three station locations at each of the sites. GPS navigation units were used to record all the site locations. These figures are a great deal more accurate and stable than the old Loran C figures, and generally tend to coincide with the map locations. The site descriptions include information that will enable an individual to easily find the site, and the boat ramp if so necessary.

For each site, the following components are included:

- Detailed description
- Road map to the site
- Nautical chart of the site
- Photographs of the site. Photographs, when available, are arranged in a clockwise manner starting in the upper left hand corner with an aerial view and then Stations 1, 2 and 3, respectively.

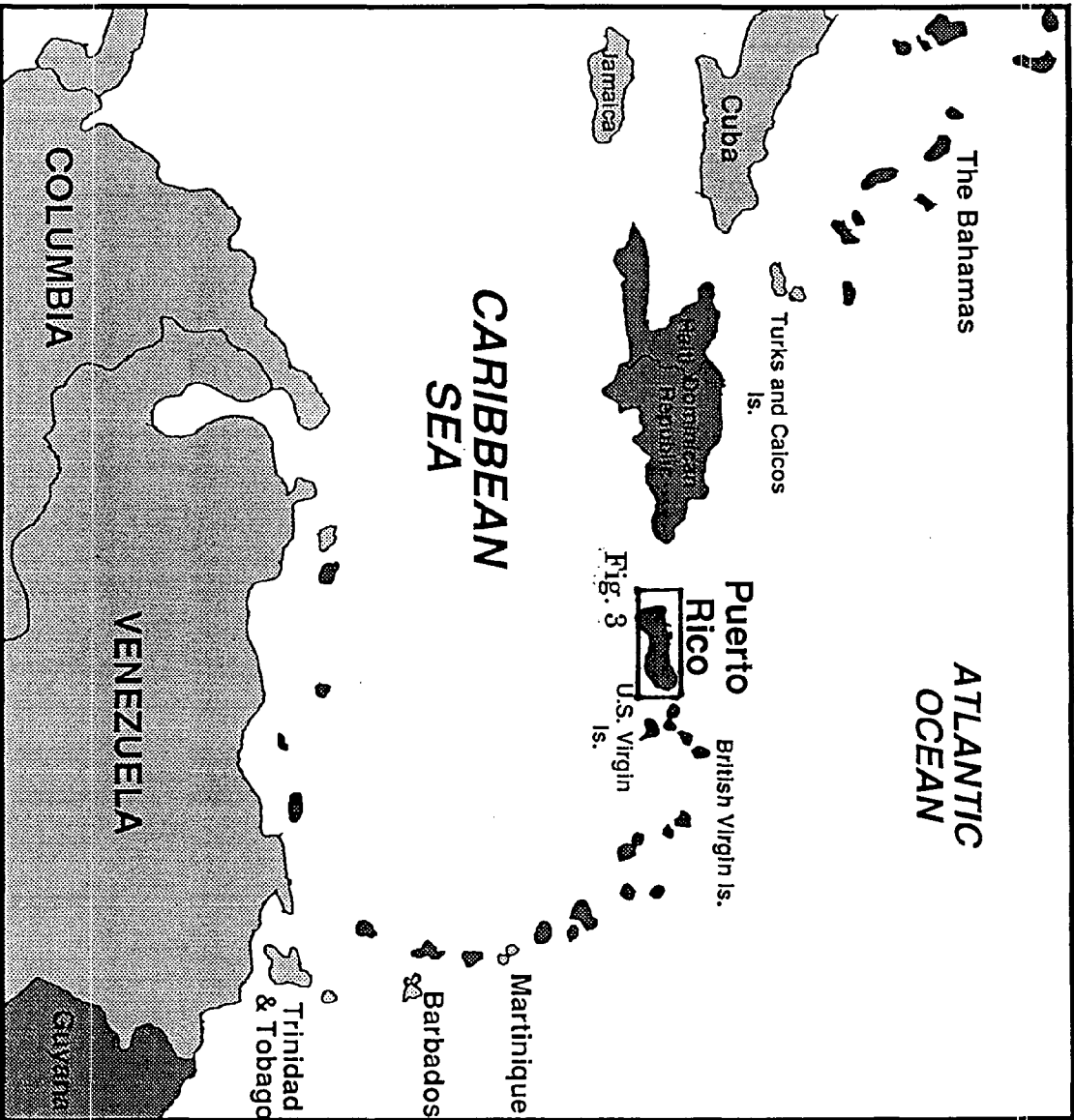


Figure 1. Location of the Caribbean Sampling Sites.

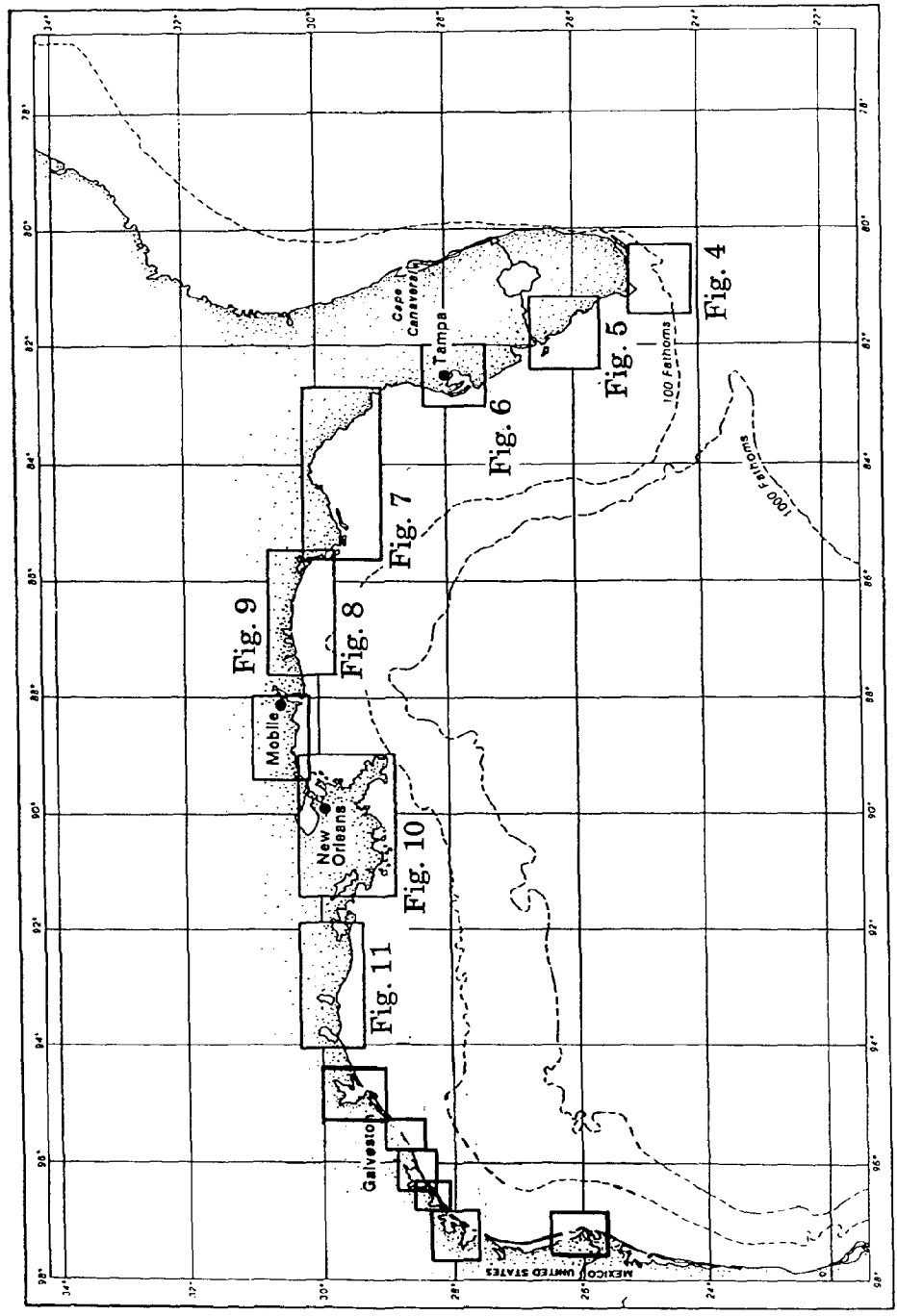


Figure 2. Location of the Gulf of Mexico Sampling Sites.

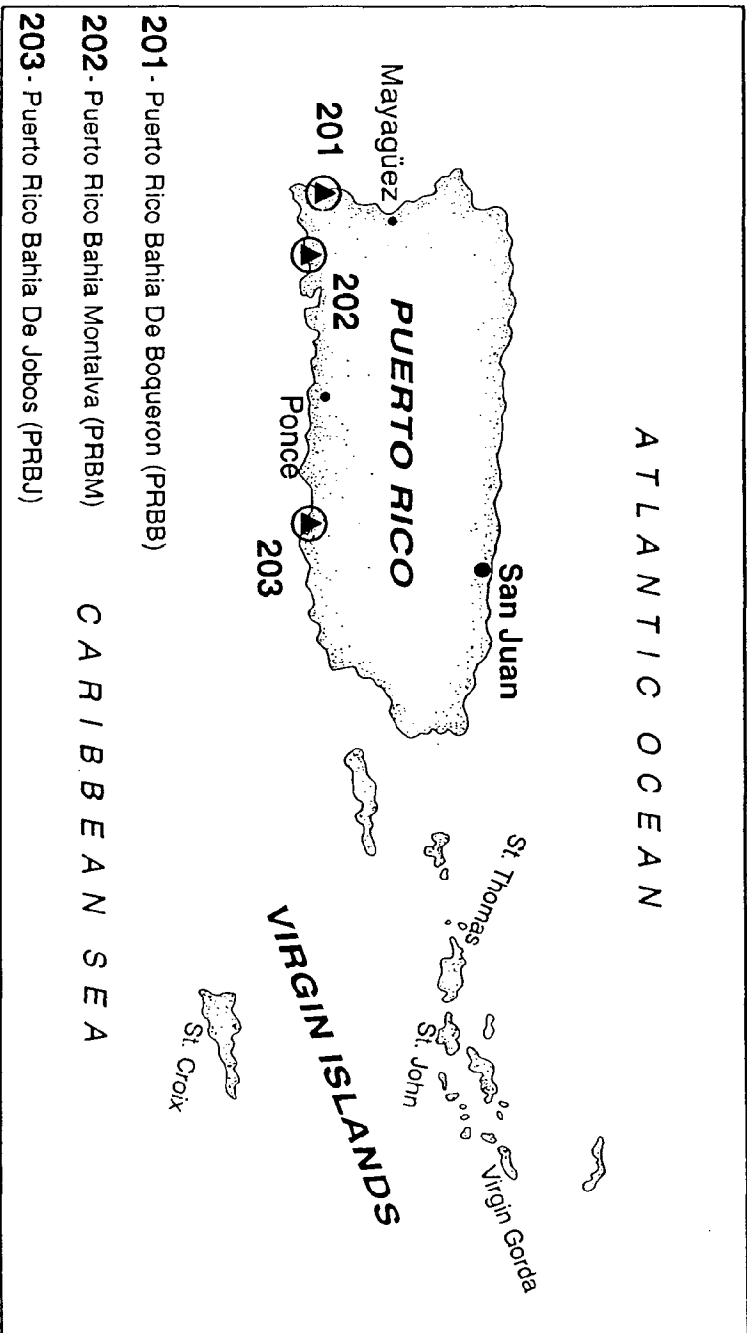


Figure 3. Location of the Puerto Rico Sites (see Figure 1 for the location in the Caribbean).

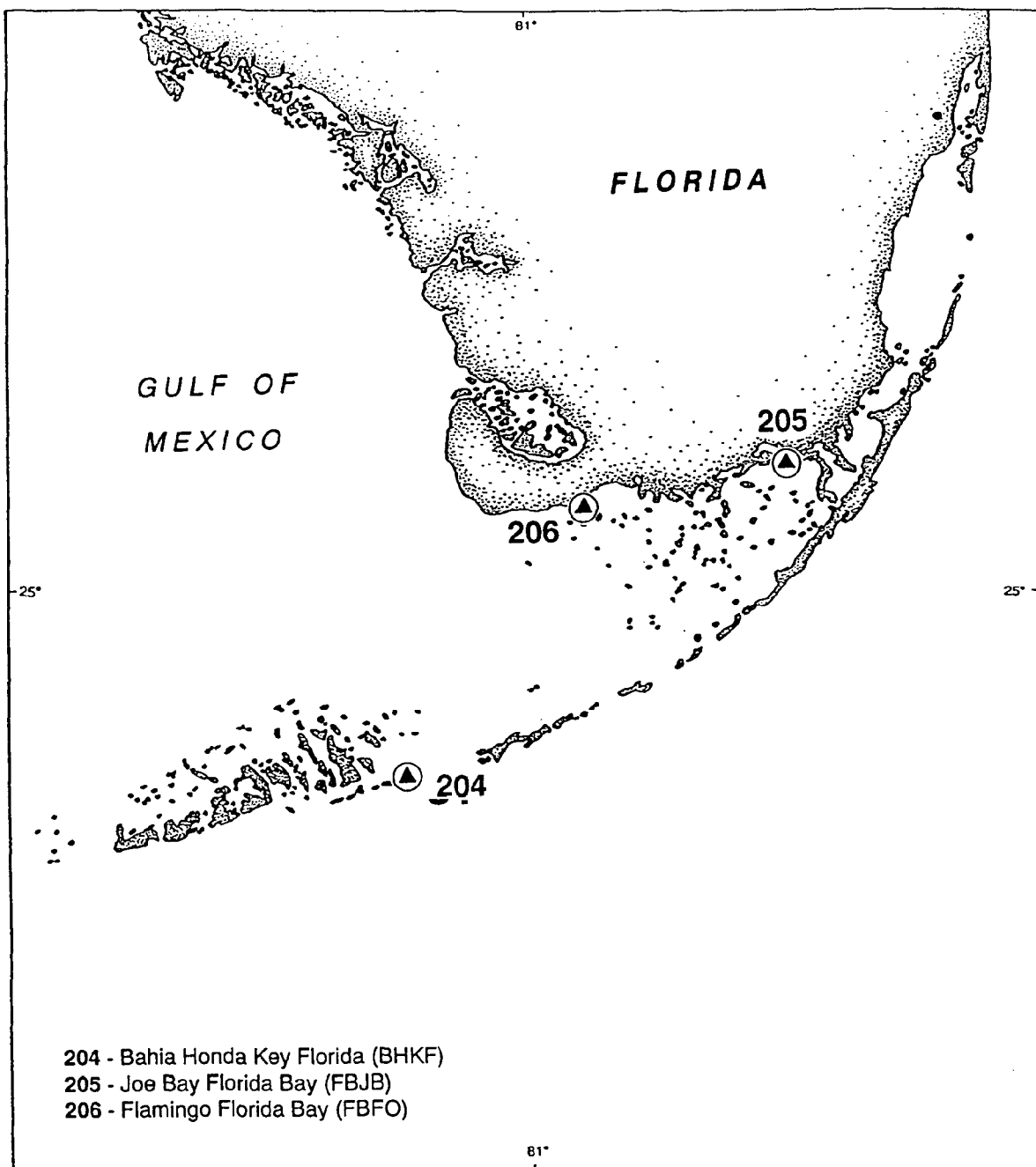


Figure 4. Location of the Florida Key Sites (see Figure 2 for the location in the Gulf of Mexico).



Figure 5. Location of the South Florida Sites (see Figure 2 for the location in the Gulf of Mexico).



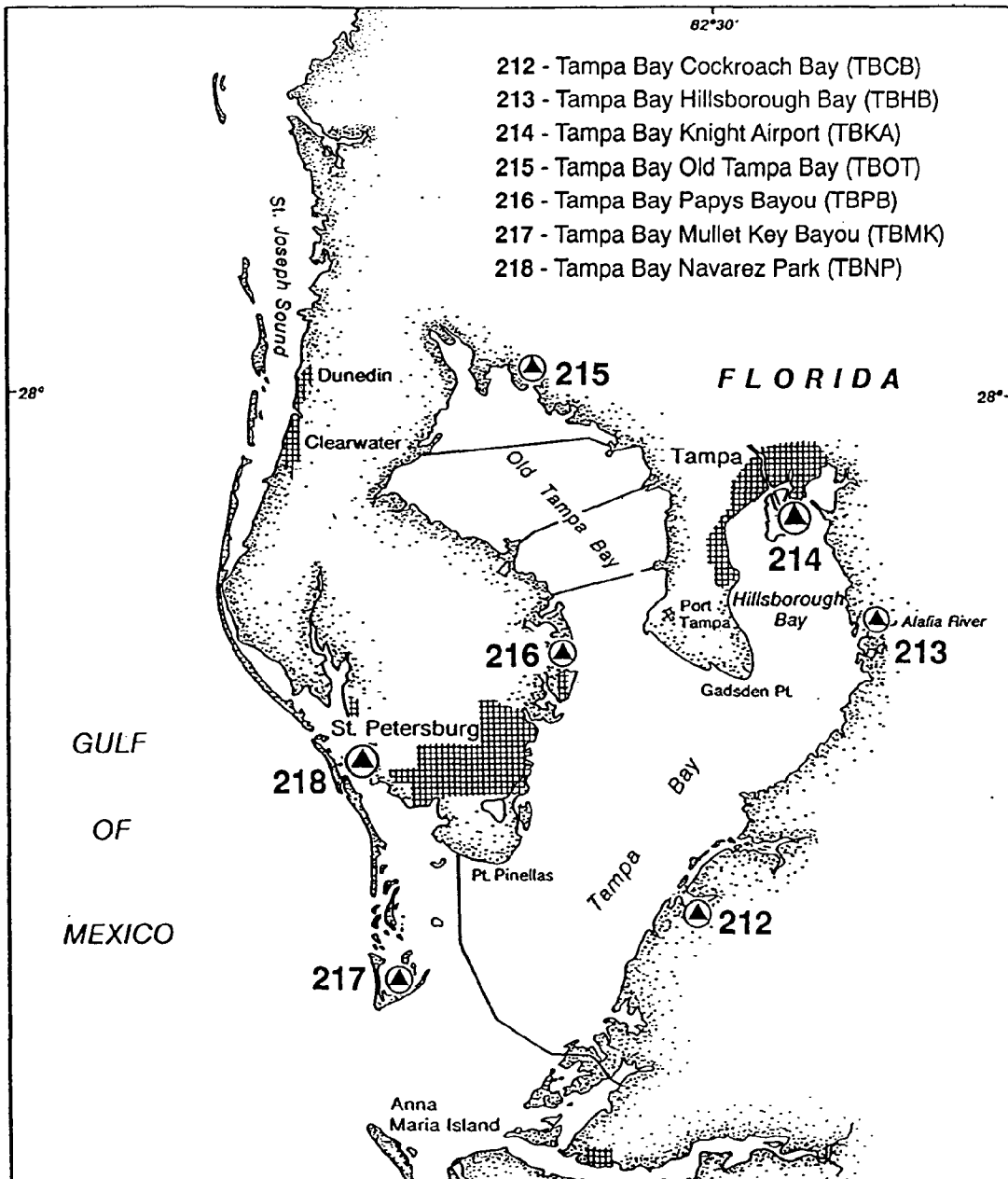


Figure 6. Location of the Tampa Bay Sites (see Figure 2 for the location in the Gulf of Mexico).

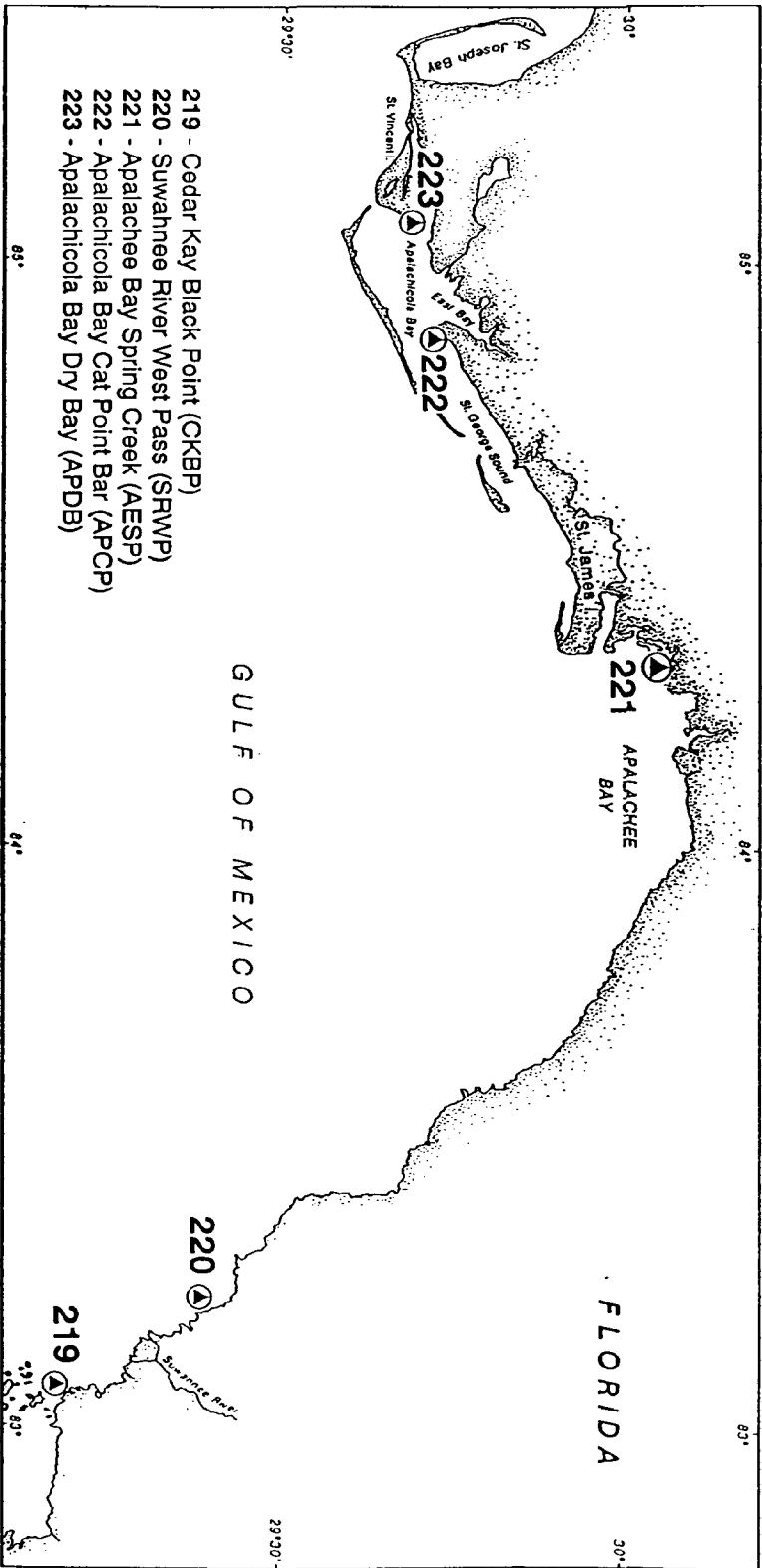


Figure 7. Location of the West Central Florida Sites (see Figure 2 for the location in the Gulf of Mexico).

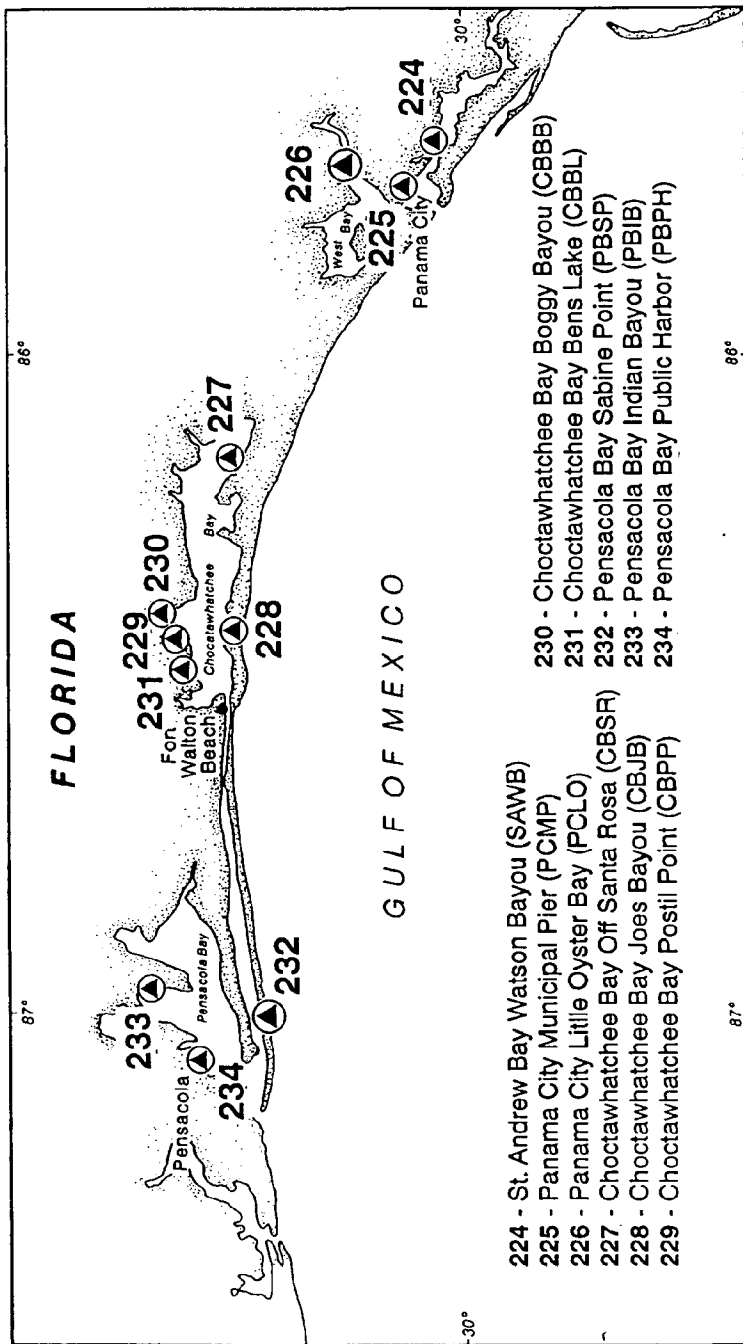


Figure 8. Location of the Western Florida Sites (see Figure 2 for the location in the Gulf of Mexico).

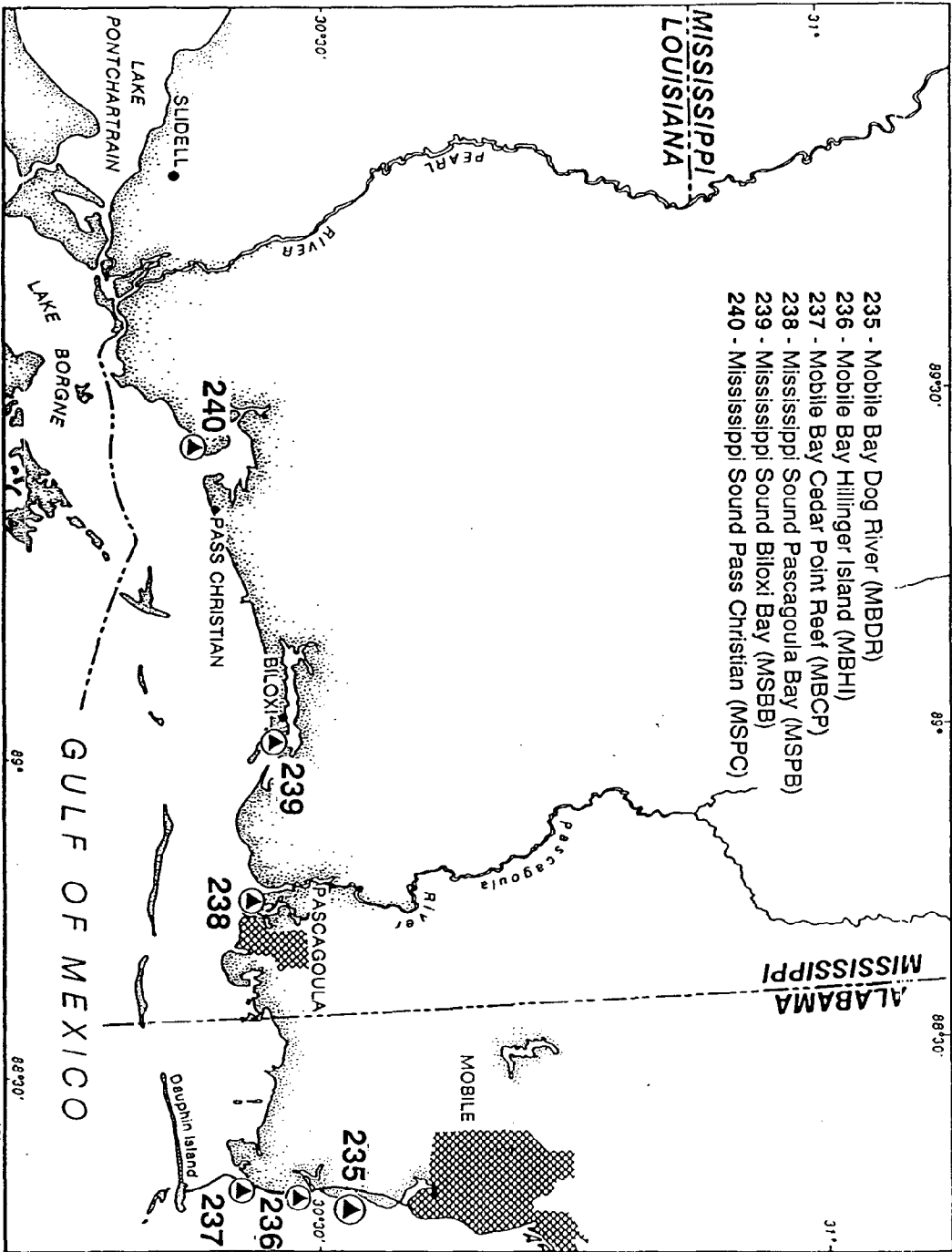


Figure 9. Location of the Mississippi/Alabama Sites (see Figure 2 for the location in the Gulf of Mexico).



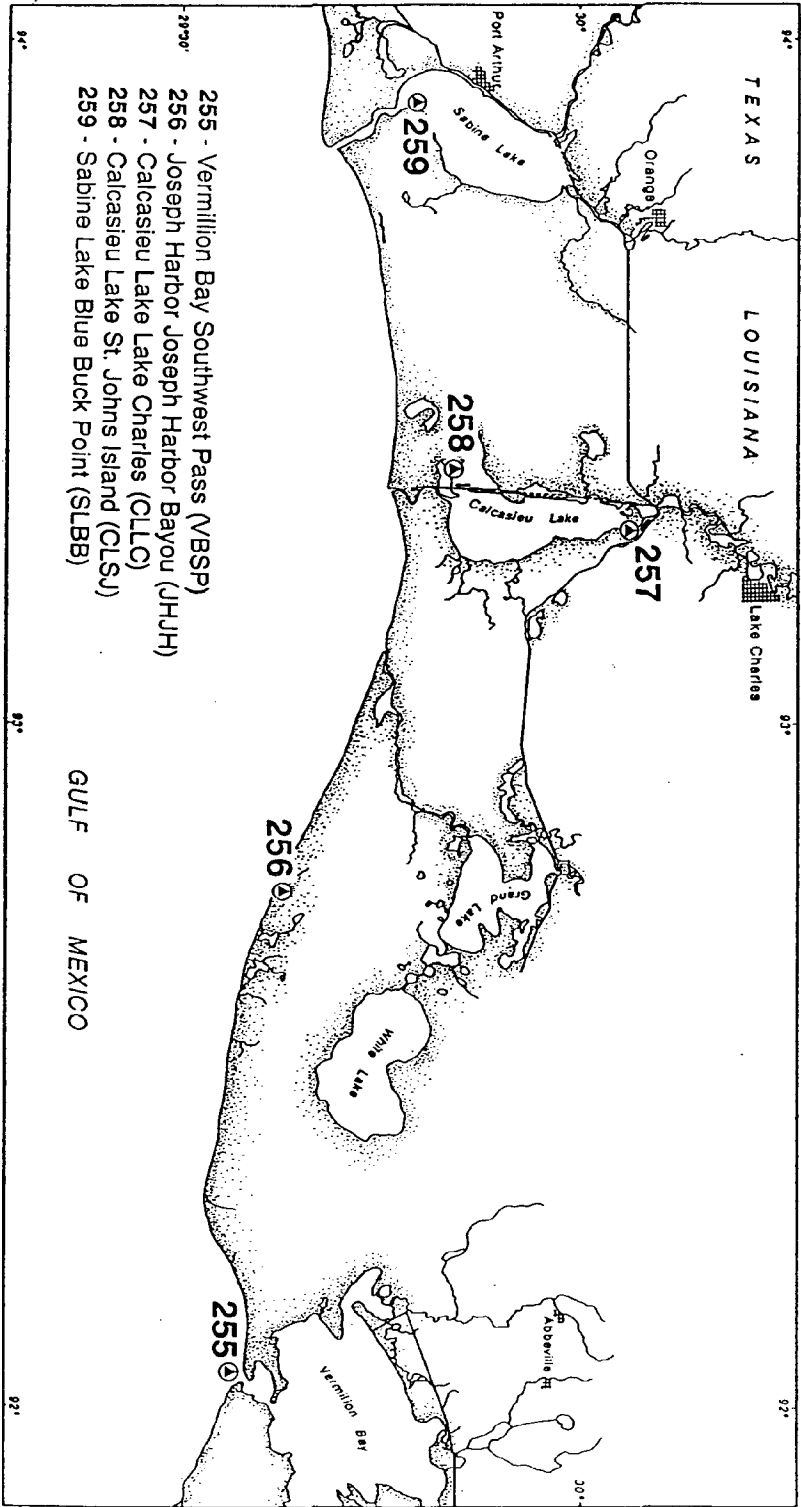


Figure 11. Location of the Western Louisiana Sites (see Figure 2 for the location in the Gulf of Mexico).

## PUERTO RICO SITES

**GERG SITE NUMBER** - 201

**DESIGNATOR** - PRBB

**SITE** - BAHIA DE BOQUERON, PUERTO RICO, PR

**NOMINAL SITE CENTER** - 18°00.44'N 67°10.72'W

**LOCATED ON NOS CHART #** - 25671

**SITE ACCESS** - The site is accessible only by boat. A boat and operator is available for rent in the town of Boqueron. To reach the site, travel from the boat dock in Boqueron across Bahia de Boqueron (Boqueron Bay) on a course of 150° to the entrance of a smaller bay. Pass through mouth of the unnamed bay, turn to a heading of 50°, and proceed to the east side of the bay. All three stations are located in the small bay system on the south side of Boqueron Bay

**SITE DESCRIPTION** - Station 1 is located along the east shoreline across from the marine police boat dock (295° back to the dock). Station 2 is located on the north side of the small island, near the mouth of the bay. The island is south of a small channel running to the west, and west of the main channel which runs to the southeast. Landmarks from the site are the Boqueron pier (55°) and the beach cottages (90°). Station 3 is farther west down the channel at the end of the cove. There are no good reference landmarks. Oysters at all three stations were collected from the roots of red mangrove trees.

### OYSTER COLLECTIONS

*1995* The site was not scheduled to be sampled this year.

### SEDIMENT COLLECTIONS

*1995* No sediments were collected this year.

### SAMPLING METHOD

Oysters - hand  
Sediment - N/A

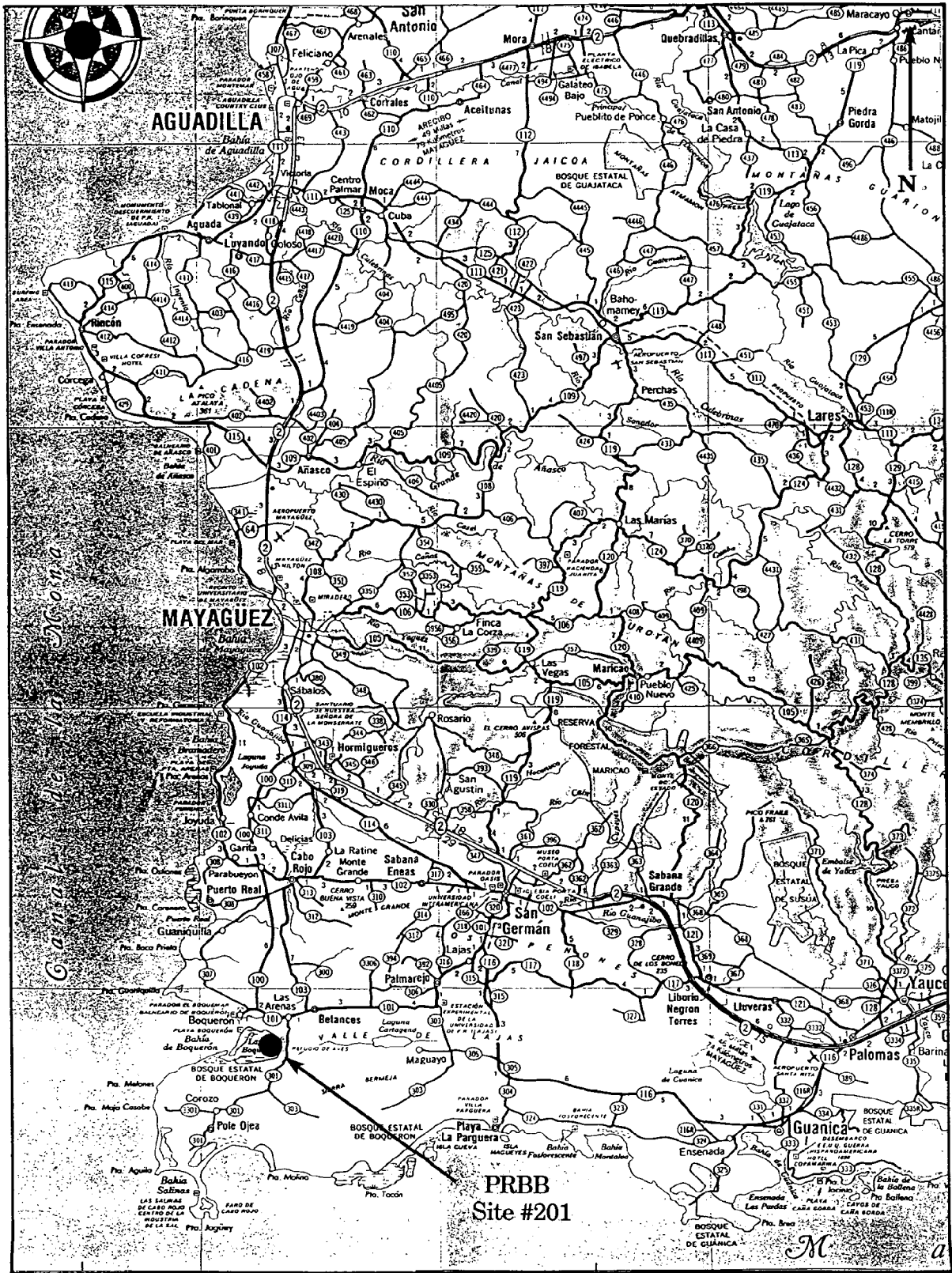
**WATER DEPTH** - intertidal, 0.2 - 0.6 m

**POSSIBLE CONTAMINANTS** - A possible source of contamination was fresh water runoff from a nearby garbage dump.

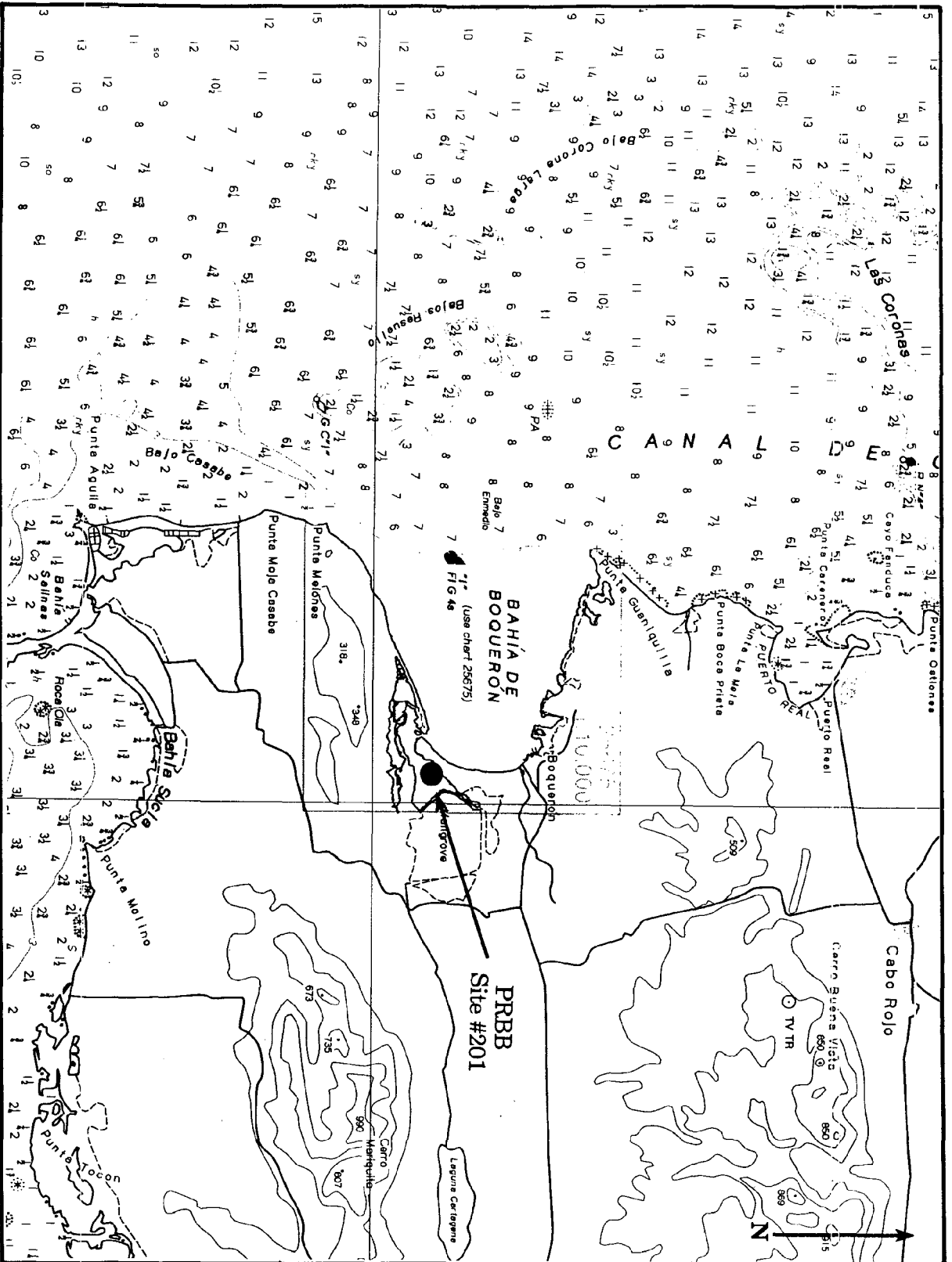
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A





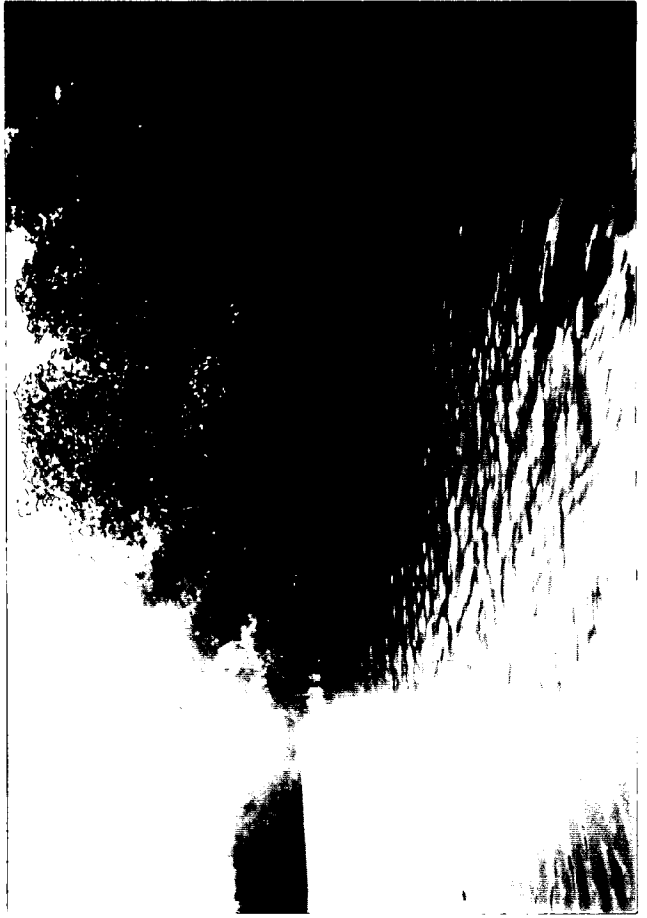
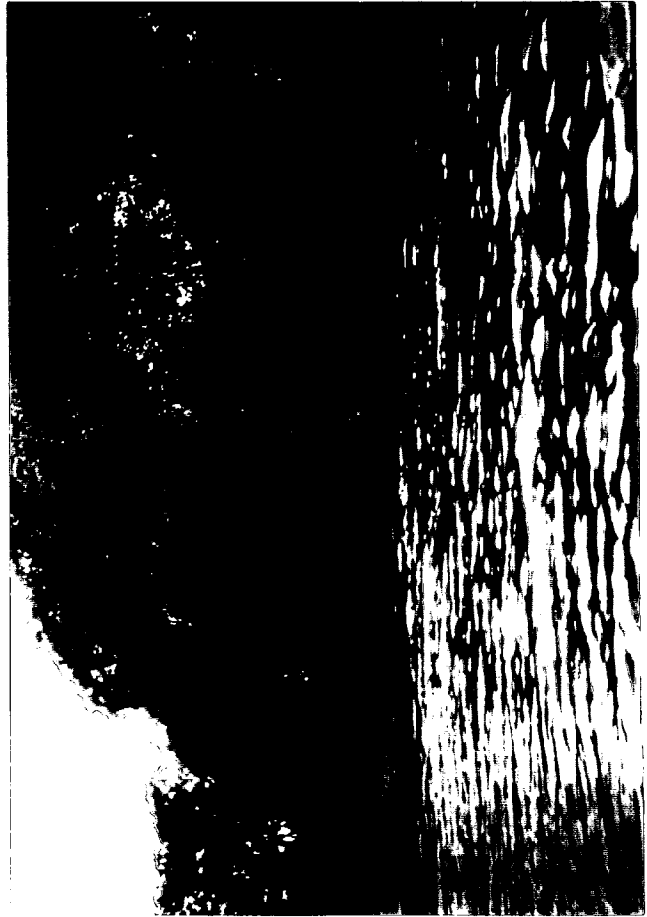
Site #201 (PRBB), Bahía de Boqueron, Puerto Rico.



Site #201 (PRBB), Bahía de Boqueron, Puerto Rico (from chart 25675).



Site #201 (PRBB), Bahía de Boqueron, Puerto Rico.



**GERG SITE NUMBER - 202**

**DESIGNATOR - PRBM**

**SITE - BAHIA MONTALVA, PUERTO RICO, PR**

**NOMINAL SITE CENTER - 17°58.23'N 66°59.43'W**

**LOCATED ON NOS CHART # - 25671**

**SITE ACCESS** - This site is a walkup site and is reached by automobile. Travel from the La Parguera area, north on Highway 304 to Highway 324. Take Highway 324 towards Ensenada, past the Highway 323 turn off. Continue on for approximately 200 meters on Highway 324, to the first dirt road past the white house with a pink roof. Turn right and follow the dirt road past the pole barn with the rusty roof, and cross the salt pond to the edge of Bahia Montalva (Montalva Bay).

**SITE DESCRIPTION** - All three stations are located along the north shoreline. Station 1 is directly south of the pole barn adjacent to the boat anchoring area. Station 2 is 50 meters east of Station 1. Station 3 is 50 meters west of Station 1. The oysters were all attached to the roots of red mangroves, rubble and wooden pilings.

**OYSTER COLLECTIONS**

*1995* The site was not scheduled for collection this year.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

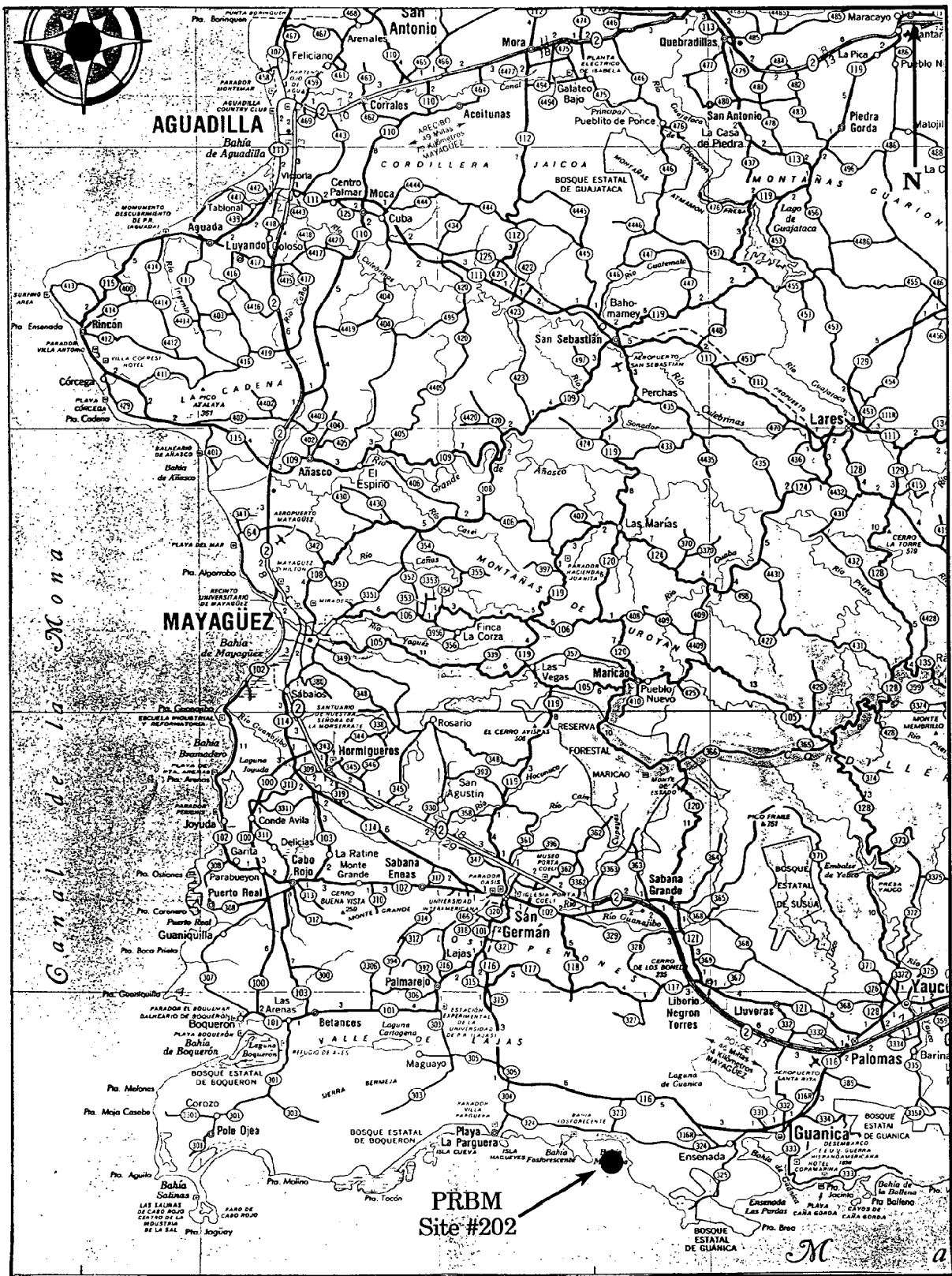
**WATER DEPTH** - intertidal, 0.2 m

**POSSIBLE CONTAMINANTS** - There were no obvious point sources of contamination, as the area is very rural with no industry nearby.

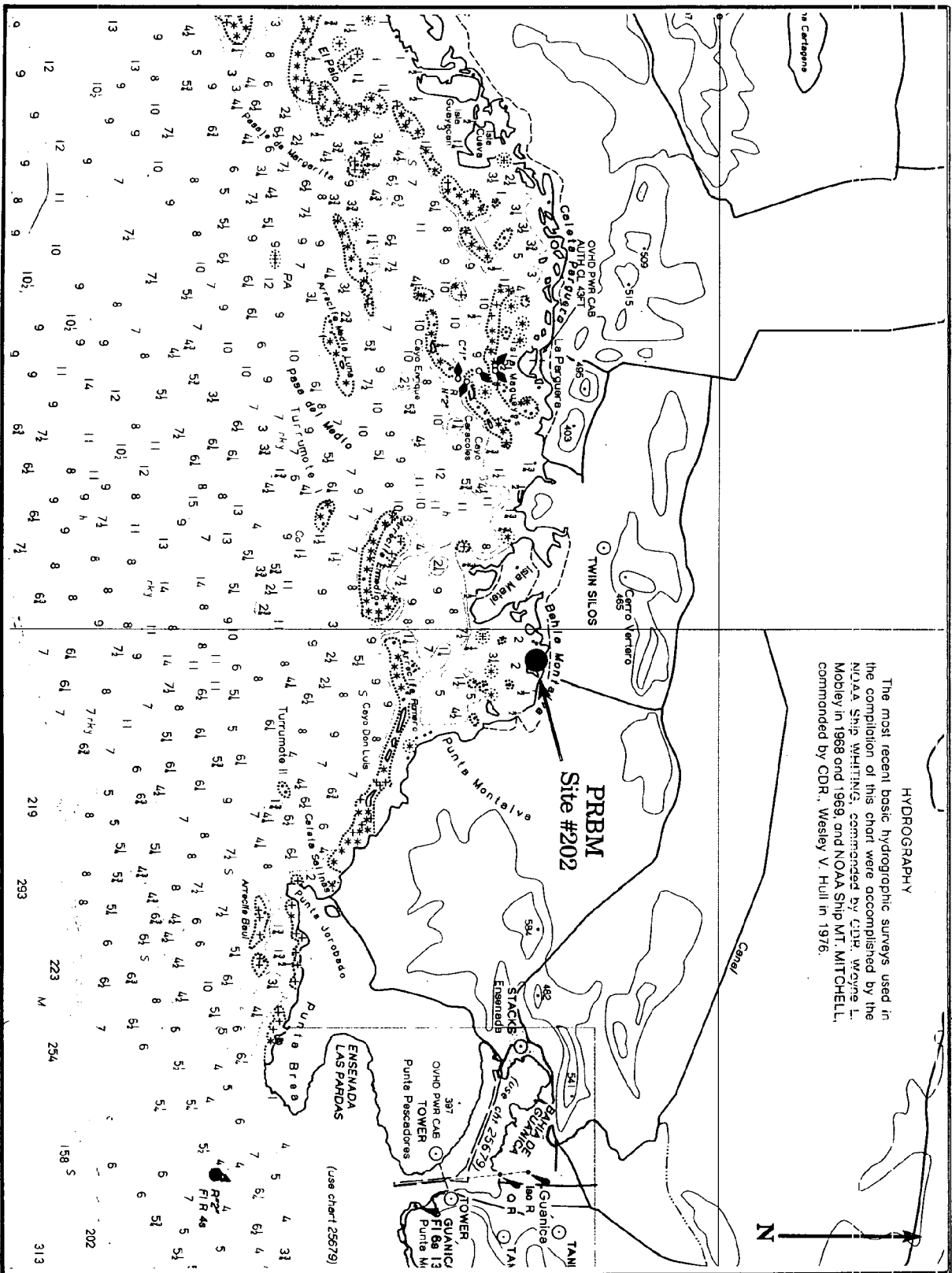
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A





Site #202 (PRBM), Bahía Montalva, Puerto Rico.



HYDROGRAPHY  
 The most recent basic hydrographic surveys used in the compilation of this chart were accomplished by the NOAA Ship WHITING, commanded by CDR, Wayne L. Mobley in 1968 and 1969, and NOAA Ship MT MITCHELL, commanded by CDR, Wesley V. Hull in 1976.

Site #202 (PRBM), Bahia Montalva, Puerto Rico (from chart 25671).



Site #202 (PRBM), Bahía Montalva, Puerto Rico.





**GERG SITE NUMBER - 203**

**DESIGNATOR - PRBJ**

**SITE - BAHIA DE JOBOS, PUERTO RICO, PR**

**NOMINAL SITE CENTER - 17°56.33'N 66°10.95'W**

**LOCATED ON NOS CHART # - 25677**

**SITE ACCESS** - This site is located in the east end of Bahia de Jobos (Jobos Bay) and can only be reached by boat. There are no boats available for rent in the area, so arrangements must be made with a local fisherman. To reach the boat anchorage, proceed down Highway 7710 from Jobos toward Pozuelo, and go to the second small bay where there are boats anchored. By boat, go through the mangroves into the bay and then turn east. Proceed to the east end of the bay, and into the inlet into Laguna de las Mareas.

**SITE DESCRIPTION** - All three stations are located at the east end of Bahia de Jobos. Station 1 is approximately 100 meters west of the inlet into Laguna de las Mareas on the south shoreline. Station 2 is at the inlet into Laguna de las Mareas. Station 3 is 100 meters north of the inlet. in a small cove. The oysters at all three stations were found growing on the roots of red mangrove trees. Turtle and manatee grass was abundant throughout the bay, starting near the edge of the mangrove roots. An obvious landmark is the electric power station at Aguirre, at the opposite end of the bay.

#### **OYSTER COLLECTIONS**

*1995* The site was not scheduled to be sampled this year.

#### **SEDIMENT COLLECTIONS**

*1995* No sediment samples were collected this year.

#### **SAMPLING METHOD**

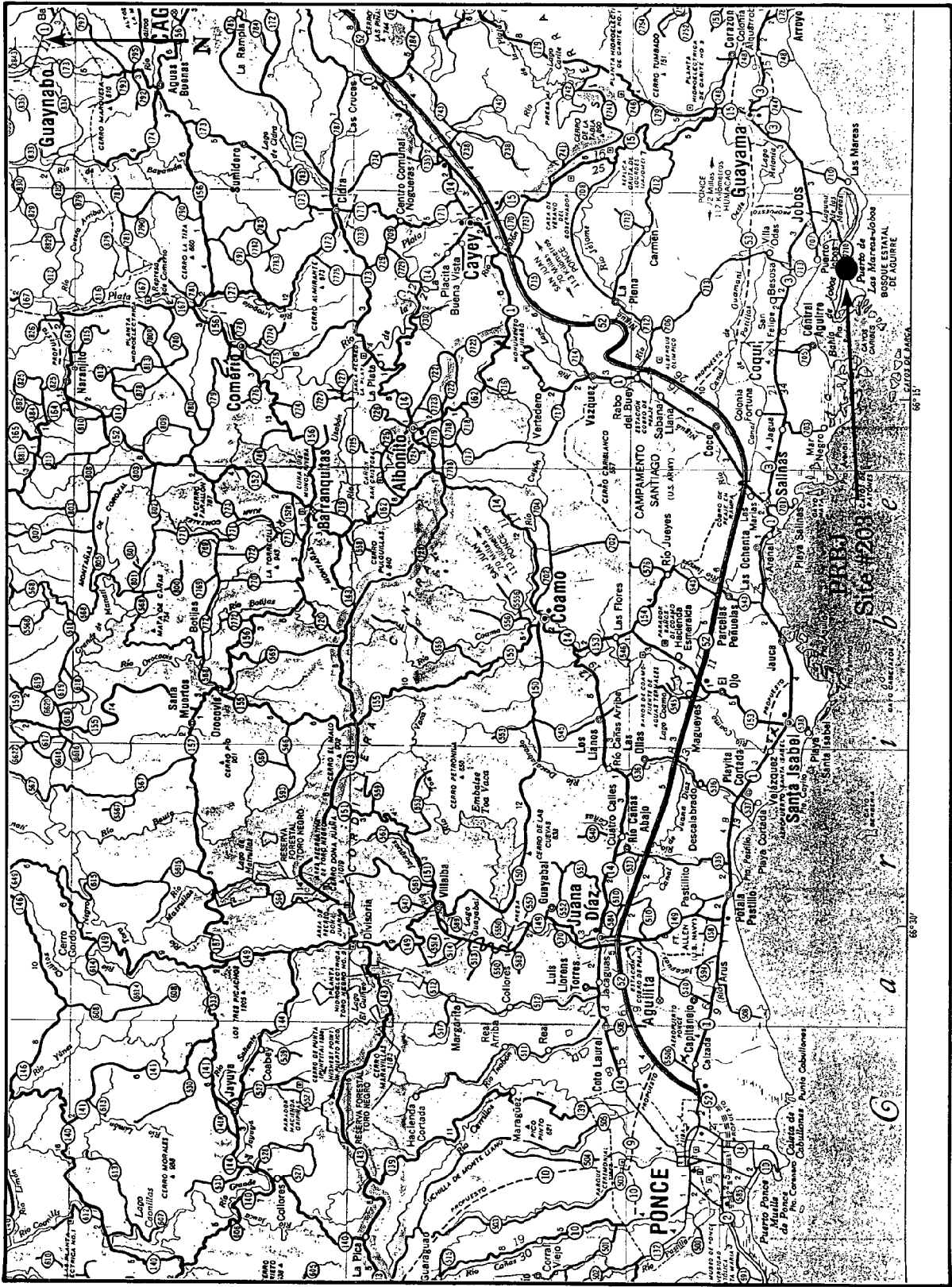
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.1 - 0.2 m

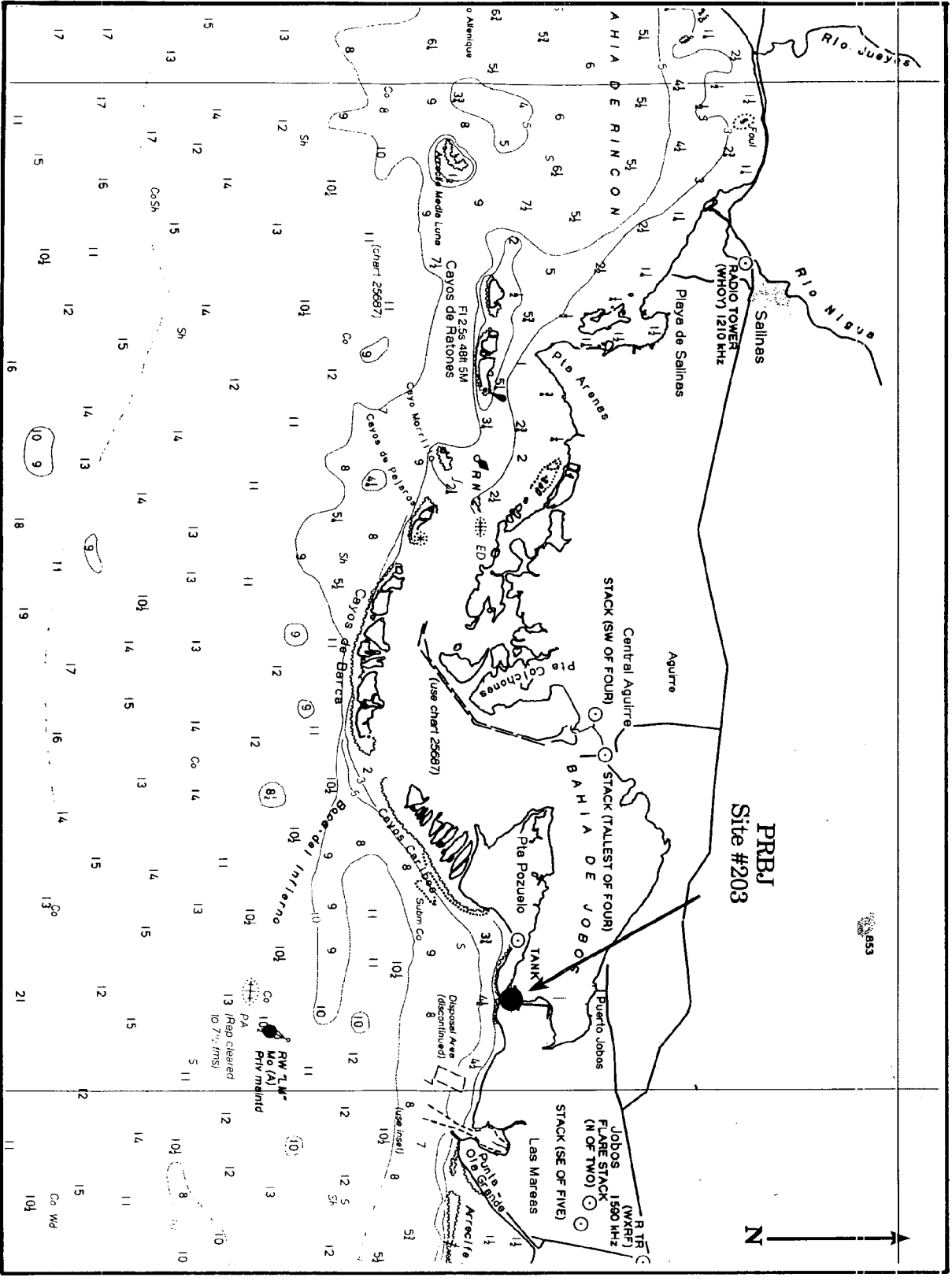
**POSSIBLE CONTAMINANTS** - There were no obvious visible nearby point sources of contamination. Potential contamination is possible from the opposite end of the bay, from the power plant. Local fisherman have commented that there had been a mercury spill in the bay, but did not remember exactly when or where the incident occurred.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



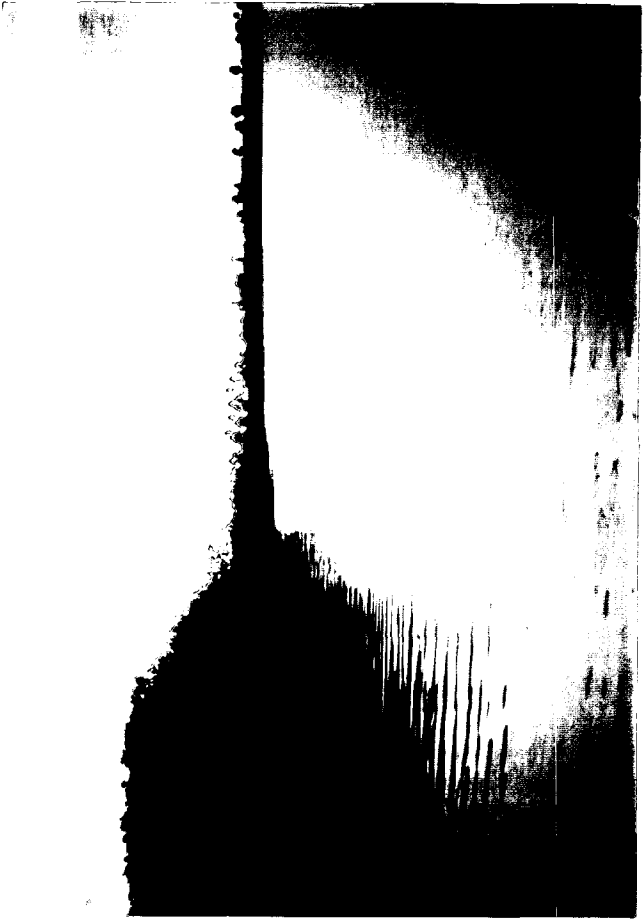
Site #203 (PRBJ), Bahía de Jobs, Puerto Rico.



Site #203 (PRBJ), Bahía de Jobos, Puerto Rico (from chart 25671).



Site #203 (PRBJ), Bahía de Jobos, Puerto Rico.



## FLORIDA SITES

**GERG SITE NUMBER** - 204

**DESIGNATOR** - BHKF

**SITE** - BAHIA HONDA KEY, FL

**NOMINAL SITE CENTER** - 24°39.52'N 81°16.43'W

**LOCATED ON NOS CHART #** - 11445

**SITE ACCESS** - This bivalve collection site is located directly north of the entrance to the Bahia Honda Recreation Area, and can be reached by driving to the site and walking to the shoreline. The sediment collection site has to be accessed by a boat.

**SITE DESCRIPTION** - There are no oysters present in the area, therefore an alternate bivalve, the smooth-edge jewel box (*Chama sinuosa*), of the family Chamidae, is collected for analysis. The bivalves are found attached to the edge of the vertical face of a hard carbonate wall, which is on the northeast side of a U-shaped cove. All three stations are collected along the carbonate wall. Station 1 is in the center of the northeast shoreline, Station 2 is seaward (west) of Station 1 and Station 3 is inside of the cove towards the road. The site is easily accessible from the shore, and best sampled using a mask and snorkle.

### OYSTER COLLECTIONS

1995 This site was not scheduled to be sampled this year.

### SEDIMENT COLLECTIONS

1995 Sediments were not scheduled to be collected this year. The sediments collection sites are along the mangrove shoreline 0.65 miles to the east of the bivalve sites, at latitude 24°40.17'N and longitude 81°15.90'W. Station 1 is on the point of land that extends into the bay, Station 2 is 100 meters to the east and Station 3 is 100 meters to the west of Station 1.

### SAMPLING METHOD

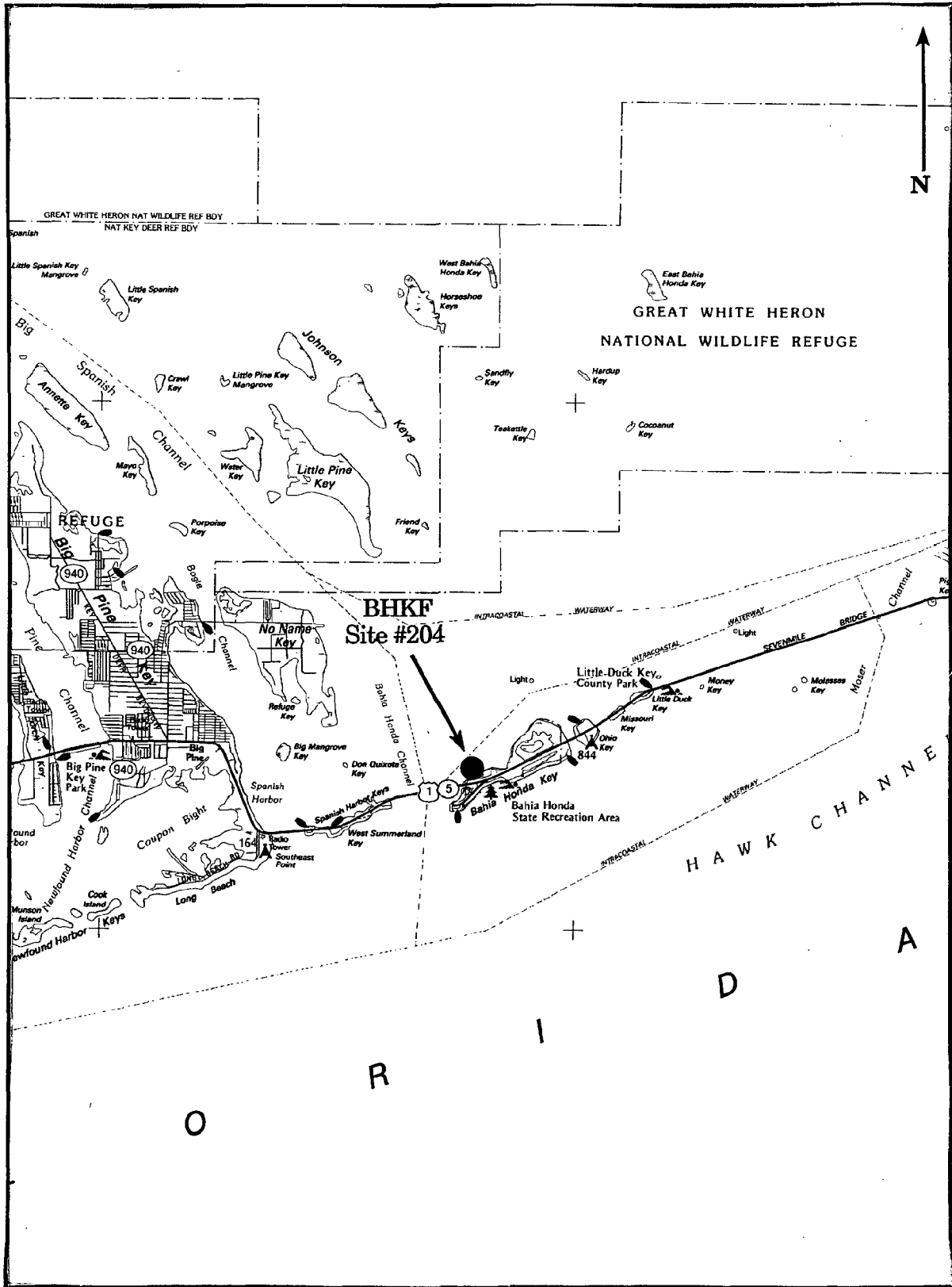
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - No obvious visible point sources of contamination were identified in the surrounding area.

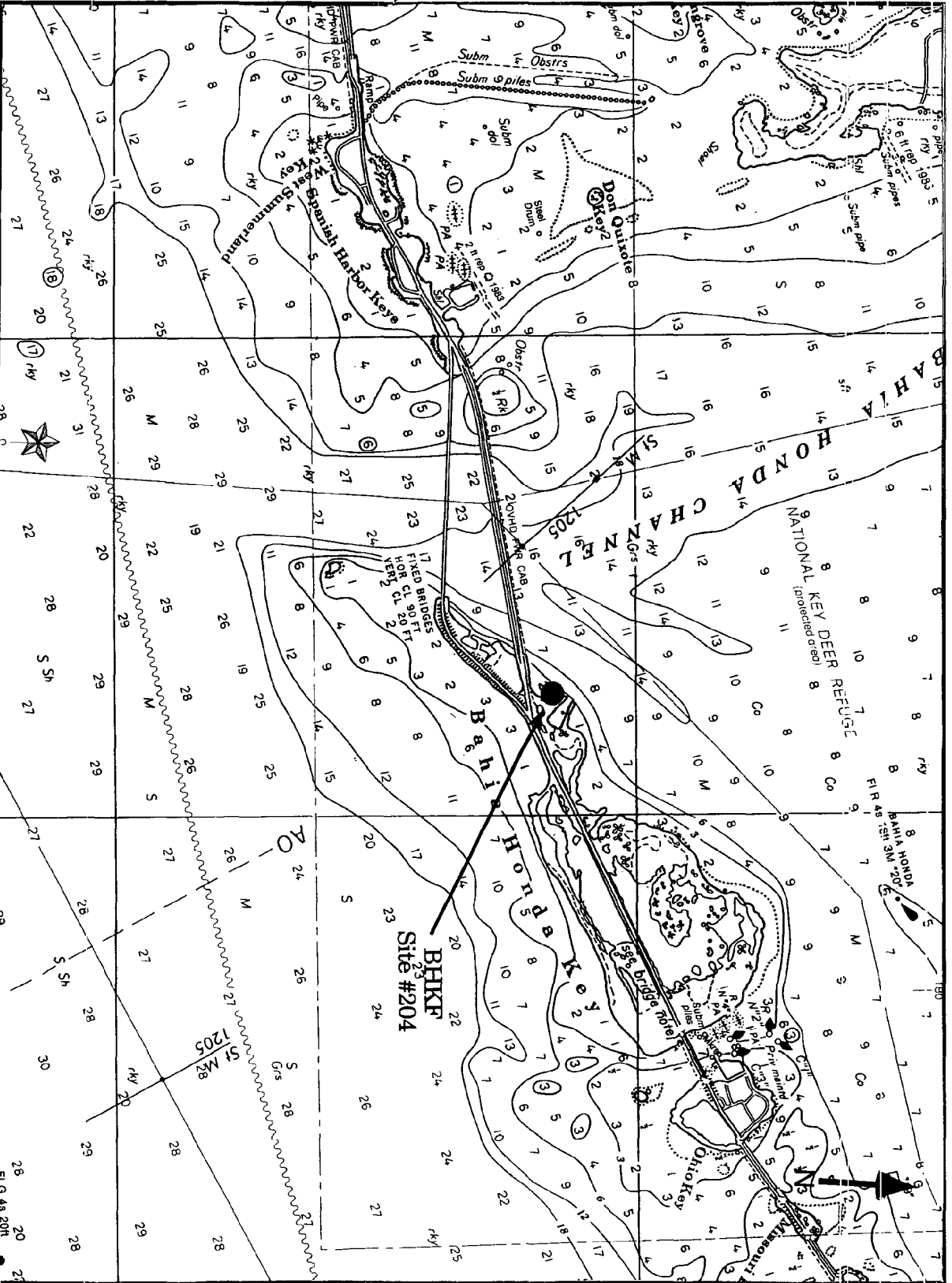
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A

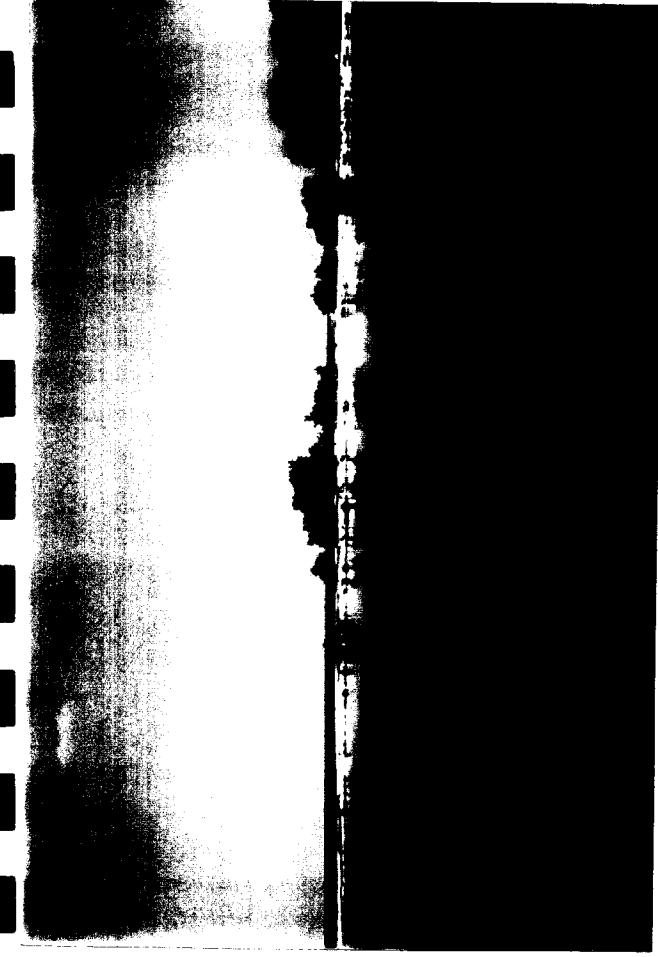


Site #204 (BHKF), Bahia Honda Key, Florida Keys.

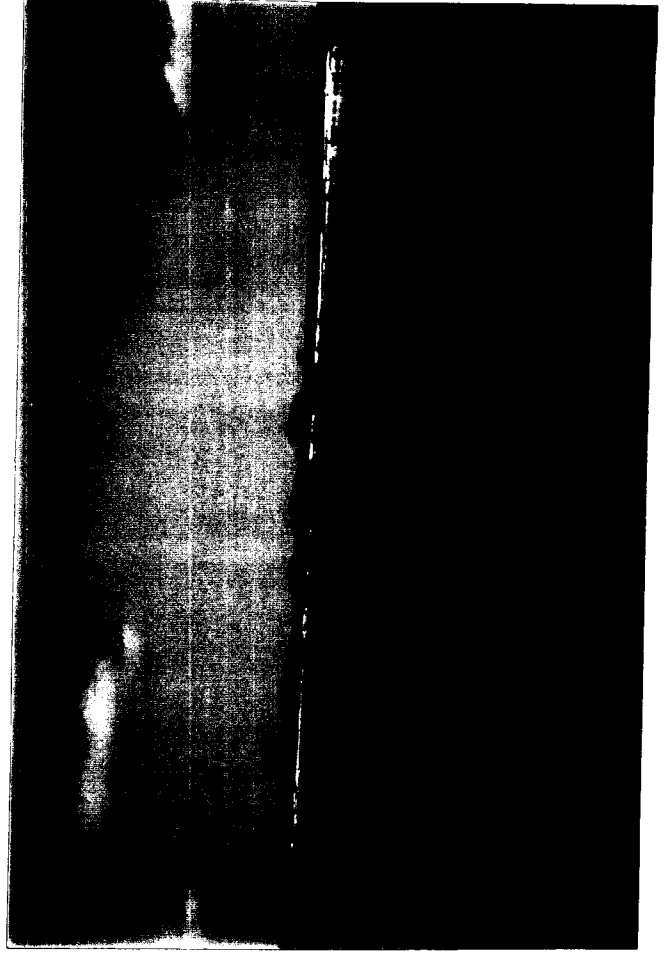
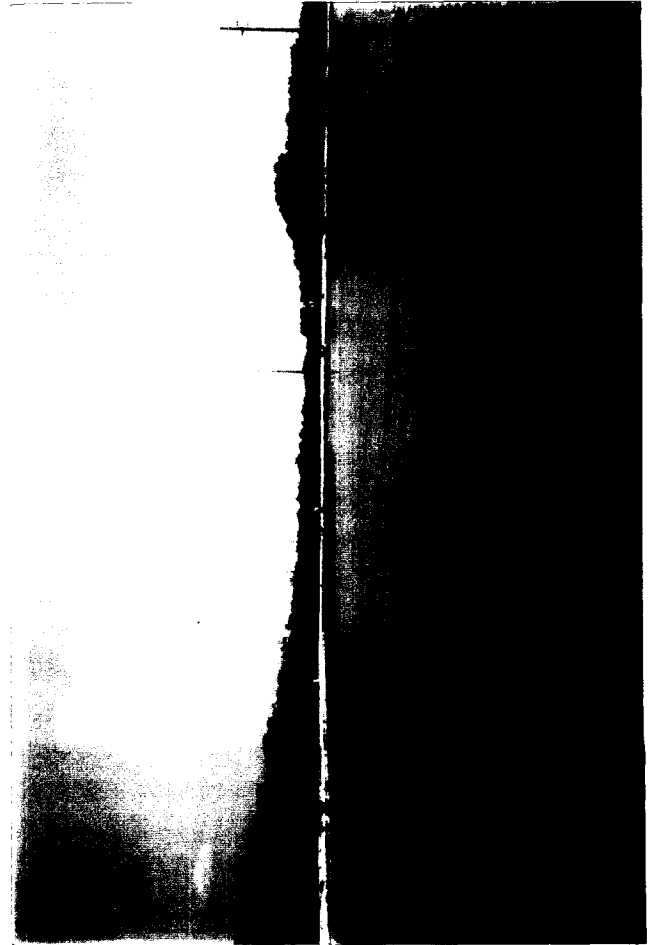




Site #204 (BHKF), Bahia Honda Key, Florida Keys (from chart 11445).



Site #204 (BHKF), Bahia Honda Key, Florida Keys.



**GERG SITE NUMBER** - 205

**DESIGNATOR** - FBJB

**SITE** - JOE BAY, FLORIDA BAY, FL

**NOMINAL SITE CENTER** - 25°12.53'N 80°32.00'W

**LOCATED ON NOS CHART #** - 11451

**SITE ACCESS** - The boat can be launched in south Florida Bay, at the Key Largo Ranger Station. To reach the Ranger Station, proceed down Hwy 1 to mile marker 98.7. The Ranger Station is on the right hand side of the road, and the boat ramp is behind the station. The ramp is a rough coral one, which is adequate for small boats. Check with the Rangers for an update on local conditions. The oyster site is approximately 10 miles away, at a heading of 330° to the marked channel into Joe Bay.

**SITE DESCRIPTION** - The original site is situated along the cut into Joe Bay, and along the eastern side of Joe Bay. Station 1 is located within the cut into Joe Bay, Station 2 is located within Joe Bay along the eastern shoreline ~ 50 meters north of Station 1, and Station 3 is located approx. 50 meters north of Station 2 along the same shoreline. The oysters are all attached to mangrove roots. The area is a closed to the public, as it is an American Crocodile breeding ground.

#### **OYSTER COLLECTIONS**

*1995* No oysters were found at any of the original stations, as there had been excessive fresh water flooding further north in the Everglades, resulting in a localized oyster die-off. A new oyster site was found some 200 meters further to the south, next to the tide-gauge at a small island in Trout Cove (25°12.97'N, 80°31.99'W). Station 1 oysters were collected from the tide-gauge pilings, Station 2 oysters from mangrove roots just south of Station 1 and Station 3 oysters were collected from mangrove roots about 50 meters west of Station 1. There were very few live small to medium sized oysters to be found in the area, growing on the mangrove roots.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

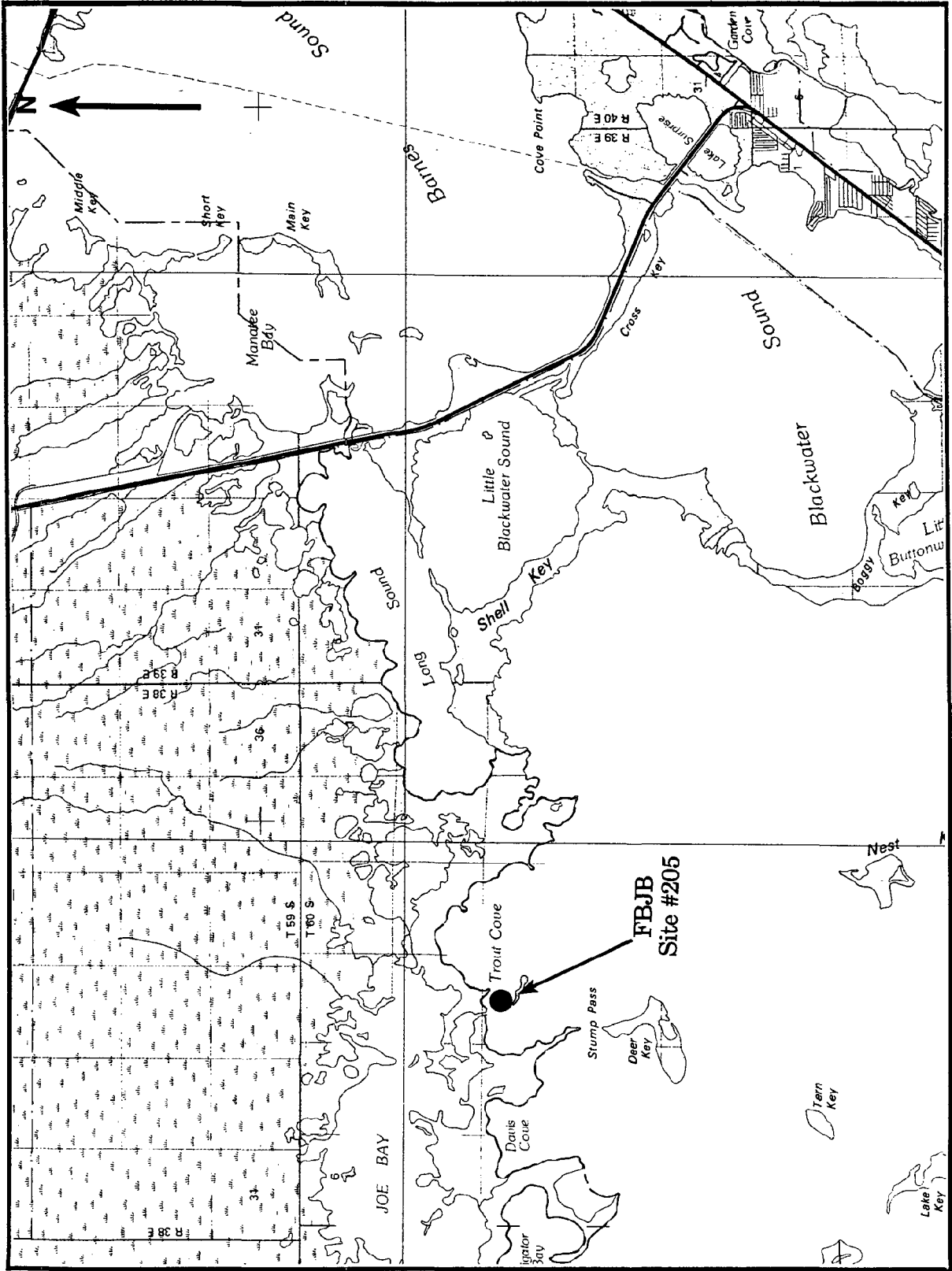
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - No sources of contaminants were identified, other than that from passing boat traffic and fishermen.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	2.0	18.0	24 January 1995



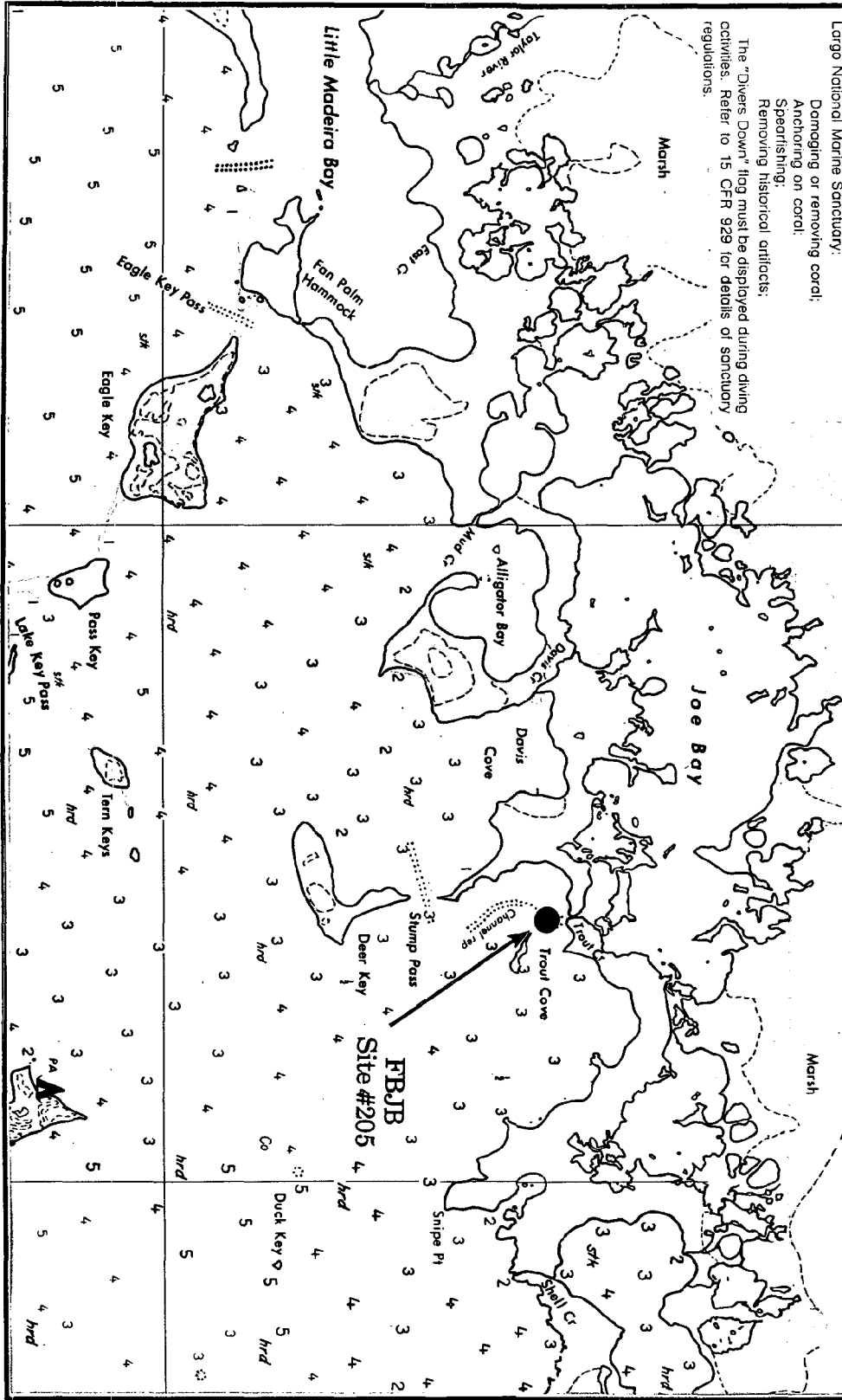
Site #205 (FBJB), Joe Bay, Florida Bay.

Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilot appendix for addresses of EPA offices.

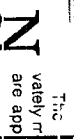
NOTE J  
 (protected area: 15 CFR 929)  
 The following activities are prohibited within Key Largo National Marine Sanctuary:  
 Damaging or removing coral;  
 Anchoring on coral;  
 Spearfishing;  
 Removing historical artifacts;  
 The "Divers Down" flag must be displayed during diving activities. Refer to 15 CFR 929 for details of sanctuary regulations.

SHOALS AND PASSES  
 Mariners are advised to use caution. The shoals (dash blue areas) and passes (heavy dotted lines) were obtained from reports and have not been verified by field surveys. Shoals and piles, marking passes, are not shown due to their frequent change in position.

CAUTION  
 Improved channels shown by broken lines are subject to shoaling, particularly at the edges.  
 EVERGLADES NATIONAL F (protected area: 36 CFR 7.45; see



Site #205 (FBJB), Joe Bay, Florida Bay (from chart 11451).





Site #205 (FBJB), Joe Bay, Florida Bay.



**GERG SITE NUMBER - 206**

**DESIGNATOR - FBFO**

**SITE - FLAMINGO, FLORIDA BAY, FL**

**NOMINAL SITE CENTER - 25°08.47'N 80°55.43'W**

**LOCATED ON NOS CHART # - 11451**

**SITE ACCESS** - The boat can be launched at the Flamingo Marina Bay Side boat ramp in Flamingo City, in the Everglades National Park. A special collecting permit is required from the National Park for this site, and must be obtained well in advance of the collecting trip. To reach the ramp, take Florida Hwy. 9336 west from Homestead, towards the Everglades National Park. Once in the Park, follow the main road to the visitors center in Flamingo.

**SITE DESCRIPTION** - The site is located within and just outside the small boat basin. The stations are all within 100 meters of each other, and can be collected by hand at low tide. Station 1 is located within the boat basin next to the Florida Bay boat ramp. The oysters were collected by hand from the boat - along the concrete bulkheads and wooden pilings. Station 2 is located ~ 100 meters south of Station 1, in the outside small boat basin surrounded by tall concrete walls. The oysters were taken by hand from the northeast wall by the Visitors Center. Station 3 is located ~ 80 meters southwest of Station 2, along the opposing wall and rock area. The oysters were attached to the rocks and wall. Note - the oysters may be hard to spot, due to the heavy algae growth along the rocks and concrete walls.

#### **OYSTER COLLECTIONS**

*1995* Small to medium sized oysters were scarce inside the small boat basin, while there was an abundance of large oysters at Stations 2 & 3. The oysters were all covered by a heavy growth of barnacles.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

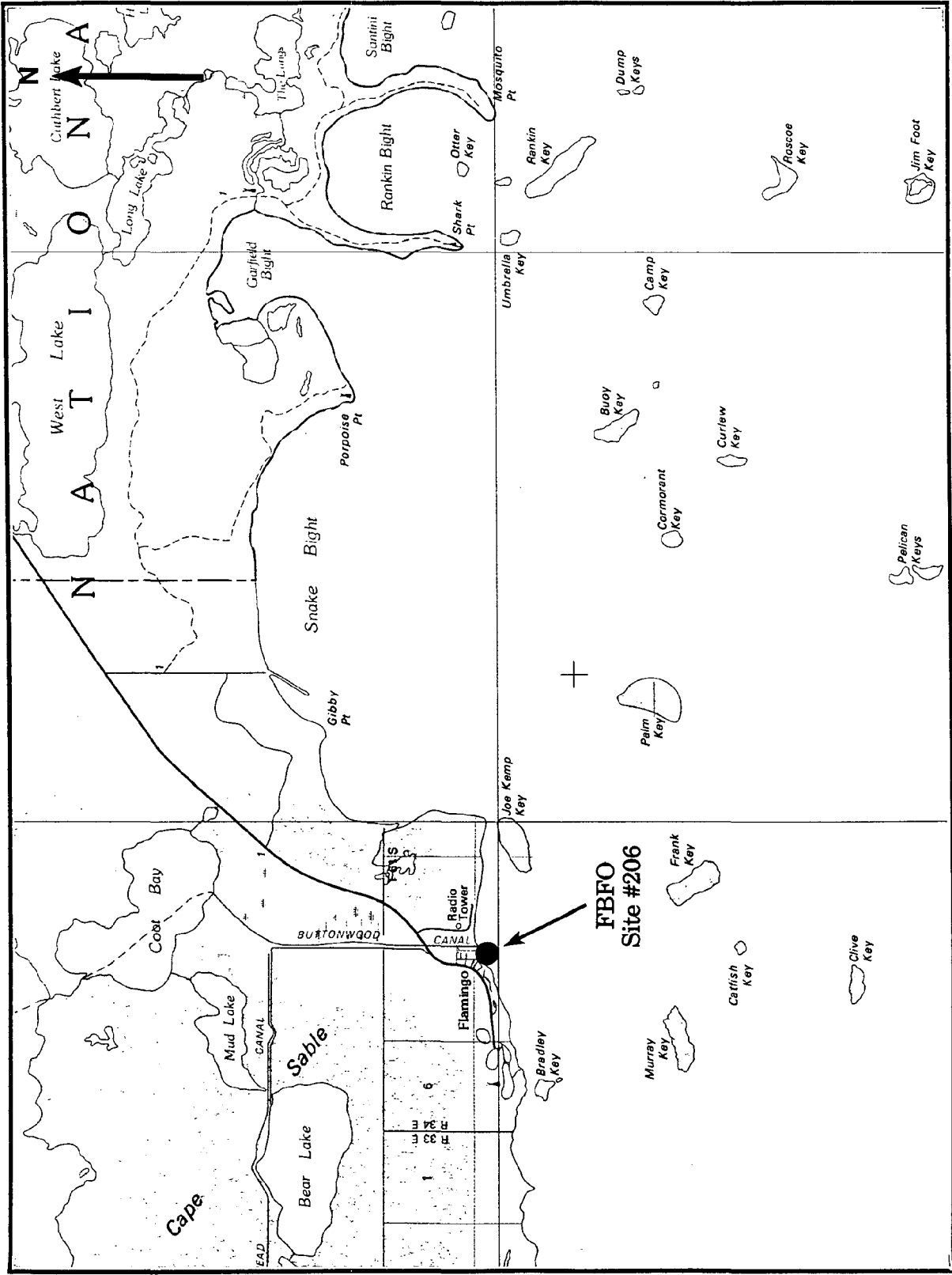
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - No sources of contaminants were identified, other than from passing boats and ground water run-off from the Visitors Center and Restaurant.

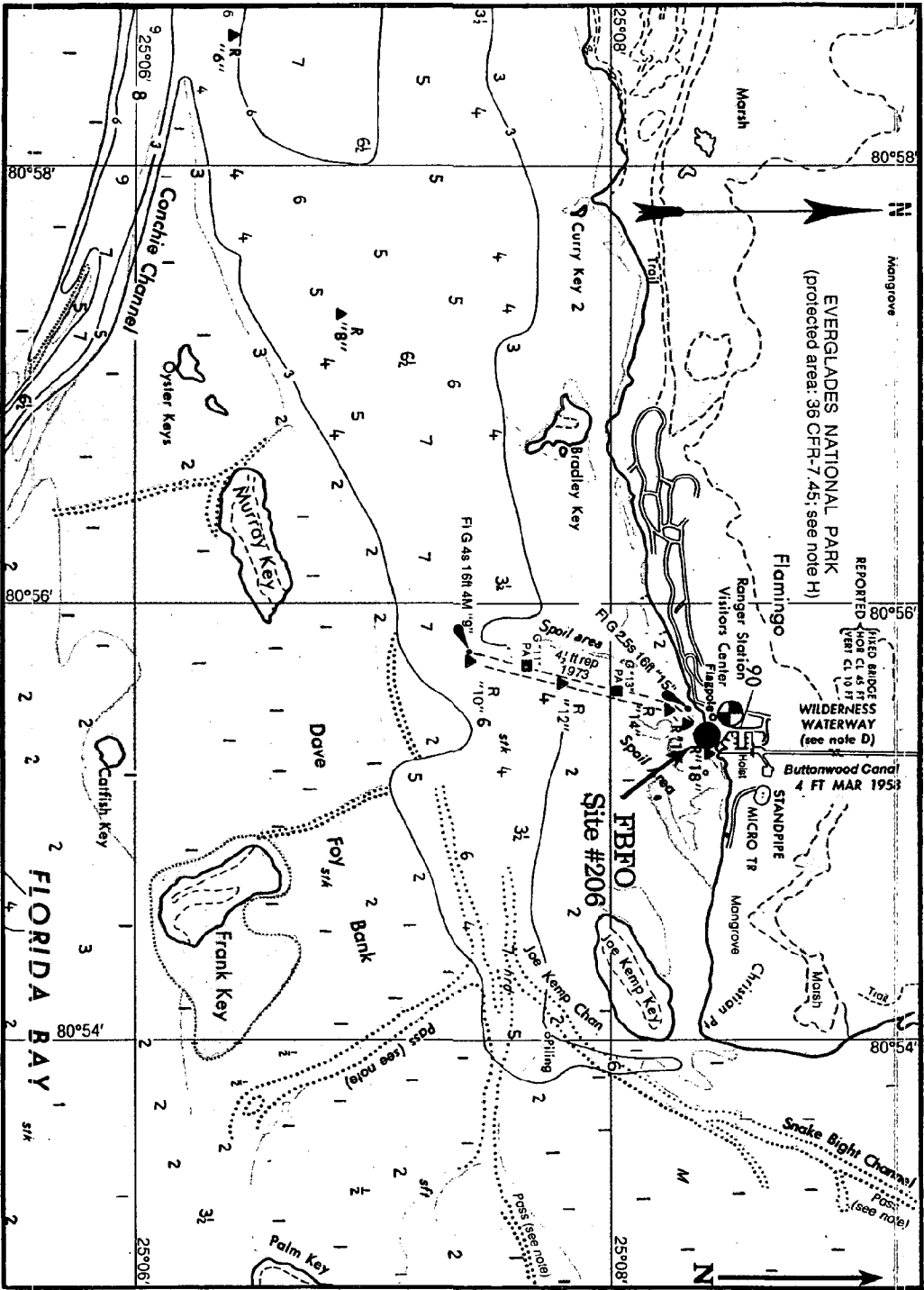


**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	28.0	24.5	24 January 95



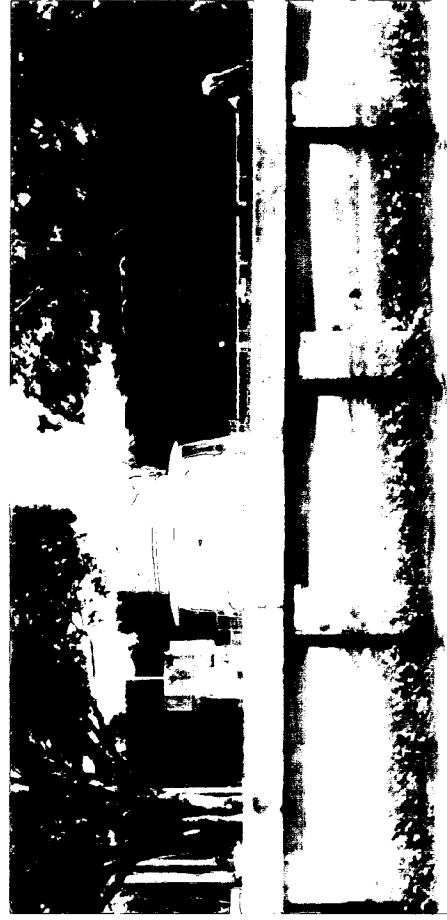
Site #206 (FBFO), Flamingo, Florida Bay.



Site #206 (FBFO), Flamingo, Florida Bay (from chart 11451).



Site #206 (FBFO), Flamingo, Florida Bay.



**GERG SITE NUMBER - 207**

**DESIGNATOR - EVFU**

**SITE - FAKA UNION BAY, EVERGLADES, FL**

**NOMINAL SITE CENTER - 25°54.16'N 81°30.84'W**

**LOCATED ON NOS CHART # - 11430**

**SITE ACCESS** - The site is accessed by driving to the Port of the Islands Resort, south of Naples on Florida Highway 41, and launching a small boat at the resort marina. Proceed south along a man-made channel to Faka Union Bay, observing the posted speed limit and keeping a good watch out for Manatees. The sample site is on a mangrove island, near green channel marker "53".

**SITE DESCRIPTION** - Faka Union Bay is located in the Cape Romano-Ten Thousand Islands Aquatic Preserve. An intertidal reef surrounds a small mangrove island, 25 meters north of green channel marker "53". The oysters were abundant, and no observable contamination factors were noted.

#### **OYSTER COLLECTIONS**

*1995* The reef is a small one, so discrete stations were not distinguished. Small to medium sized oysters were abundant, occurring in singles and clusters on the mangrove roots.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

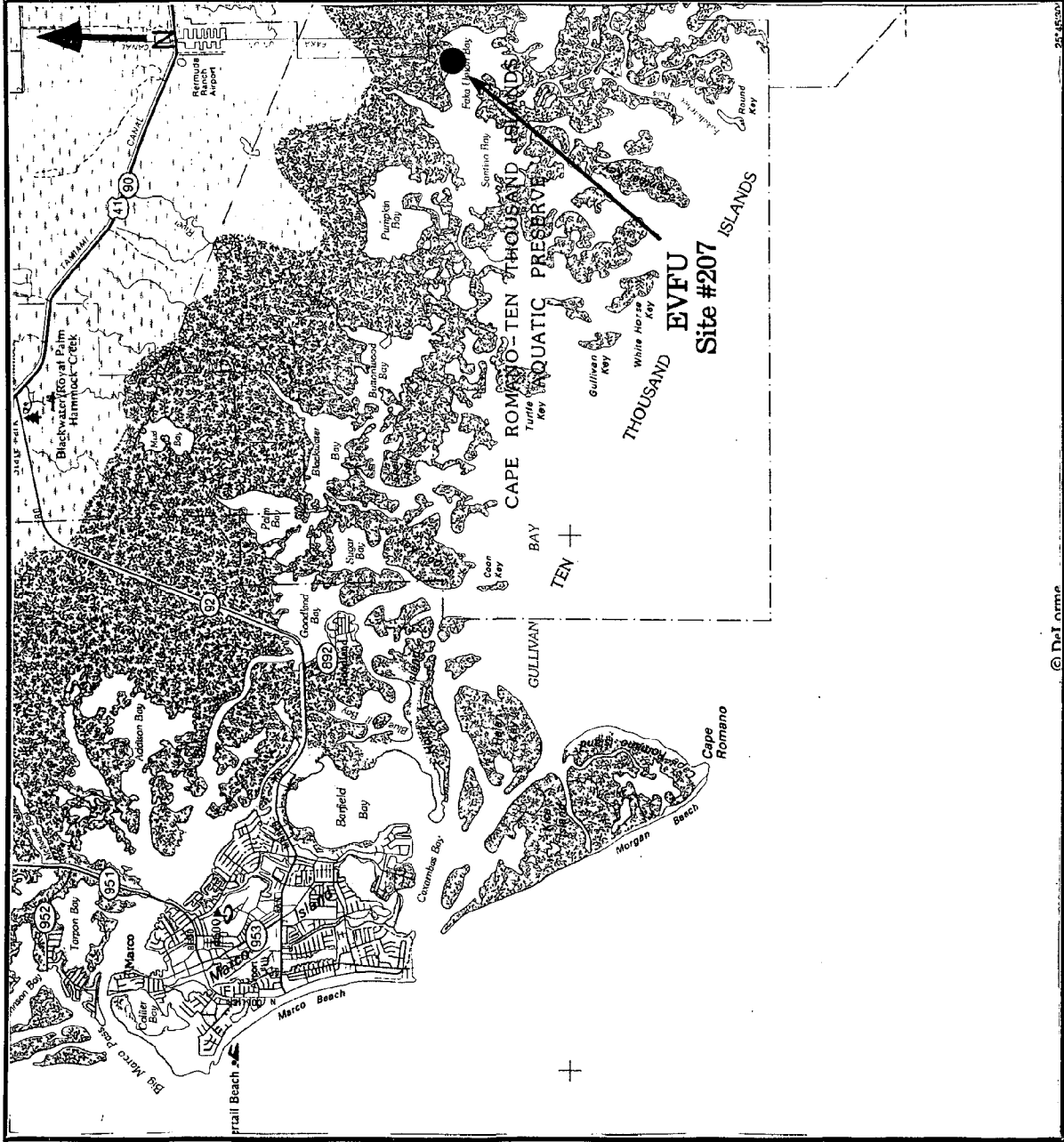
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There were no obvious visible sources of point contamination in the area. There is a potential for contamination from the Port of the Islands Marina Complex, as well as from the numerous local sport fishermen.

#### **ENVIRONMENTAL DATA**

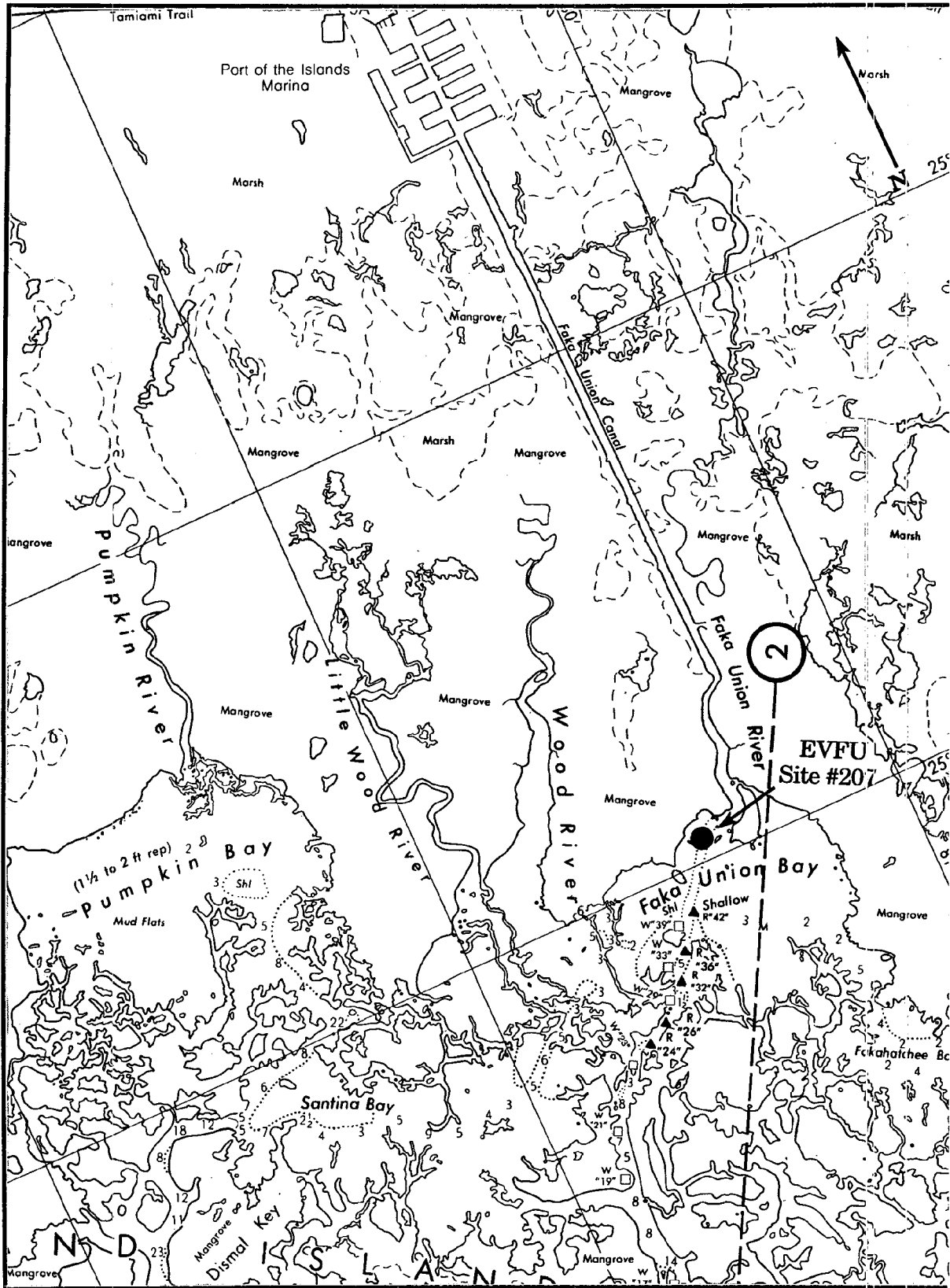
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	7.0	16.0	23 January 1995





© DeForme

Site #207 (EVFU), Faka Union Bay, Everglades.

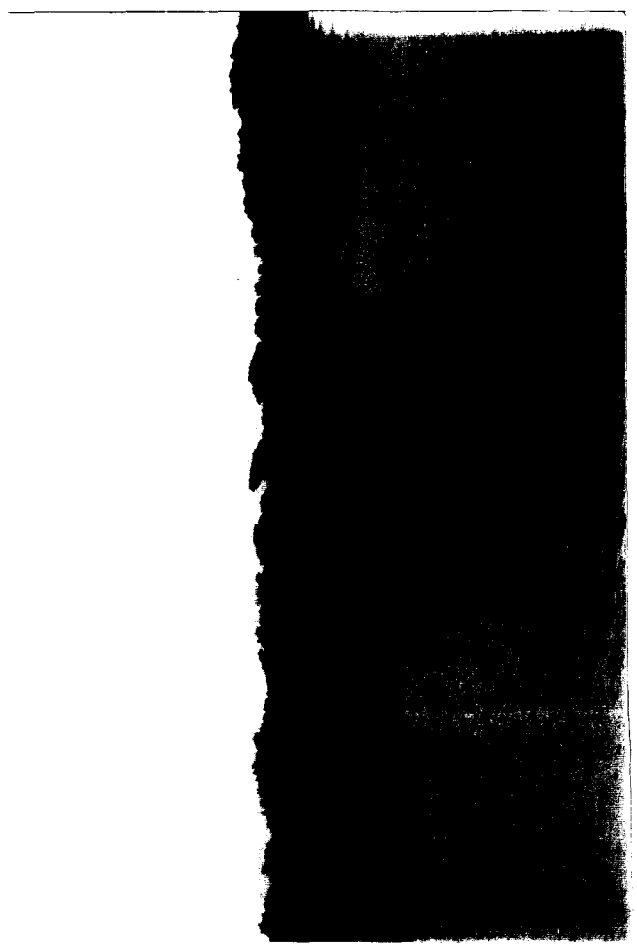
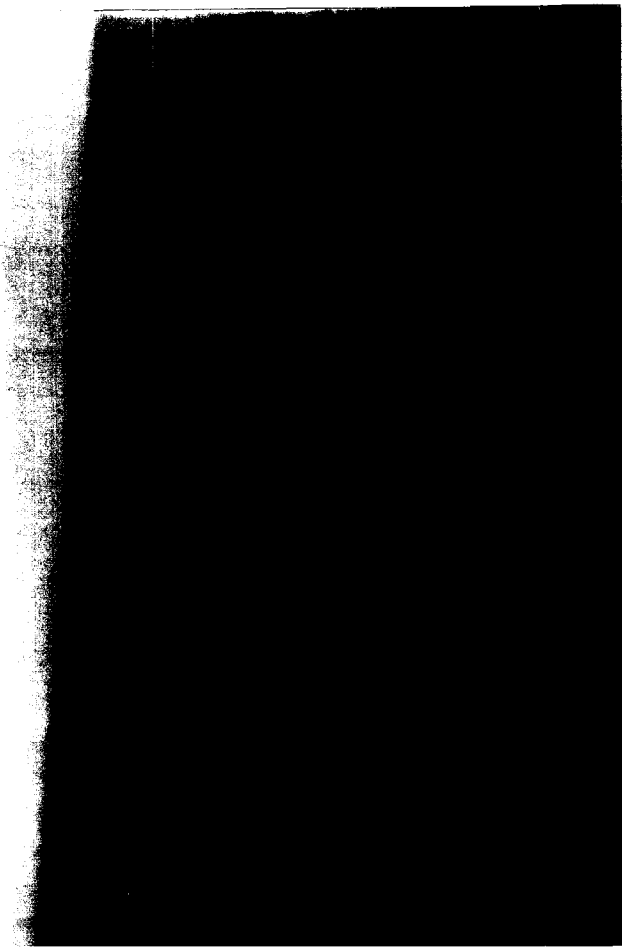


Site #207 (EVFU), Faka Union Bay, Everglades (from chart 11430).





Site #207 (EVFU), Faka Union Bay, Everglades.



**GERG SITE NUMBER - 208**

**DESIGNATOR - RBHC**

**SITE - HENDERSON CREEK, ROOKERY BAY, FL**

**NOMINAL SITE CENTER - 26°01.50'N 81°44.20'W**

**LOCATED ON NOS CHART # - 11430**

**SITE ACCESS** - The site is accessed from I-75 by driving west (or south) on Florida 951, ~ 2.6 miles past the intersection of U.S. Highway 41, Turn right on Shell Island Road. Shell Island Road is marked by a sign for the Briggs Nature Conserancy and Marine Research Lab. Proceed to the Rookery Monument, past the Rookery Headquarters and to the boat ramp at the end of the road.

**SITE DESCRIPTION** - The site is located in Rookery Bay Aquatic Preserve, in Henderson Creek. All three oyster Stations are near the mouth of the creek, in the vicinity of the Childrens Monument. Station 1 is on the same shoreline as the monument, approximately 150 meters to the south at the first bare reef patch in the mangroves. Station 2 is located on the shore opposite the monument, at a small cove in the mangroves, next to a manatee sign. Station 3 is located on the shoreline opposite the monument, approximately 200 meters to the northeast at the bare patch in the mangroves, where the channel begins to constrict from the passage out of Henderson Reef into Rookery Bay.

#### **OYSTER COLLECTIONS**

*1995* This site was not scheduled to be sampled this year.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

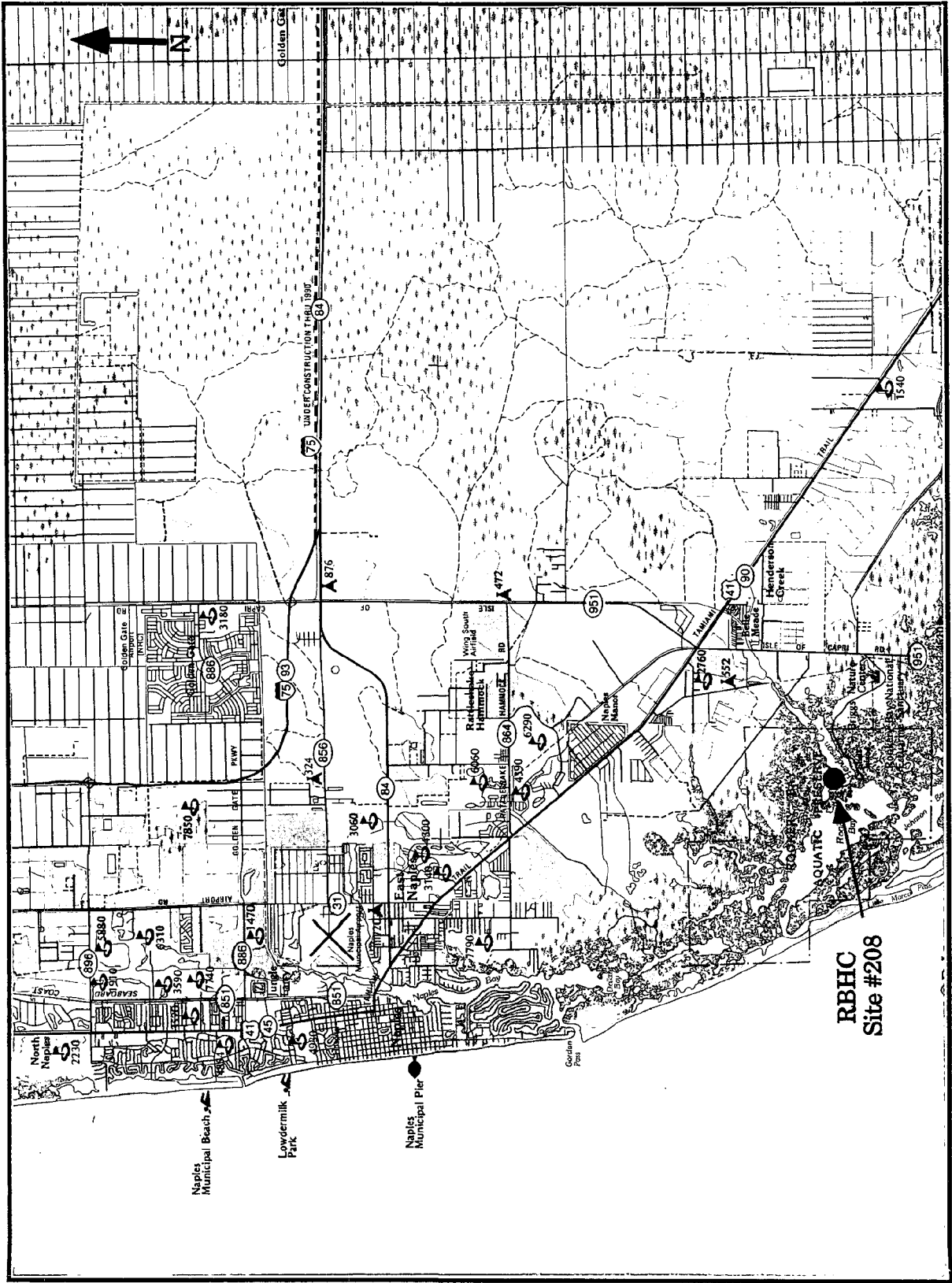
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There were no obvious visible point sources of contamination in the area.

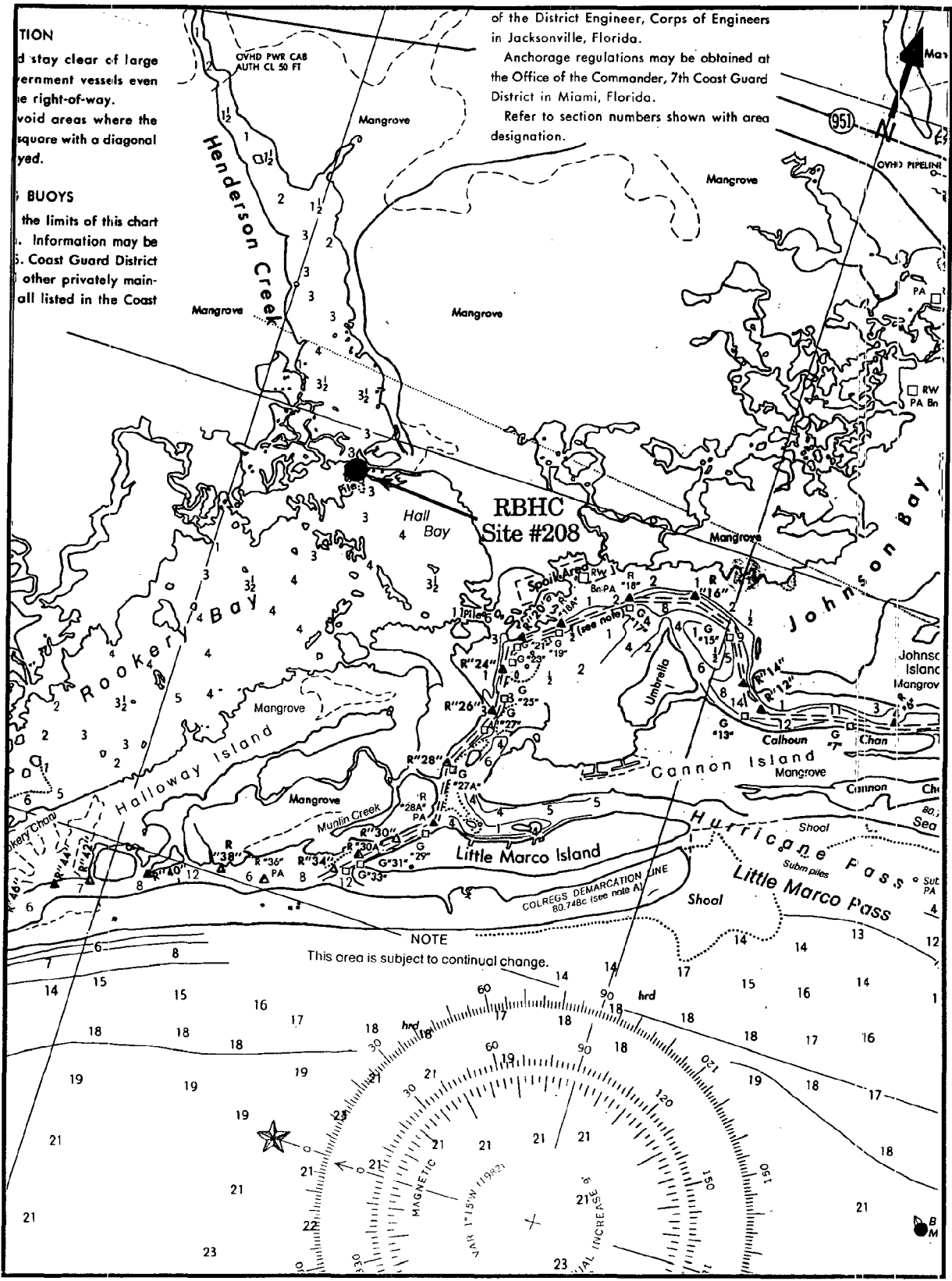
#### **ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A

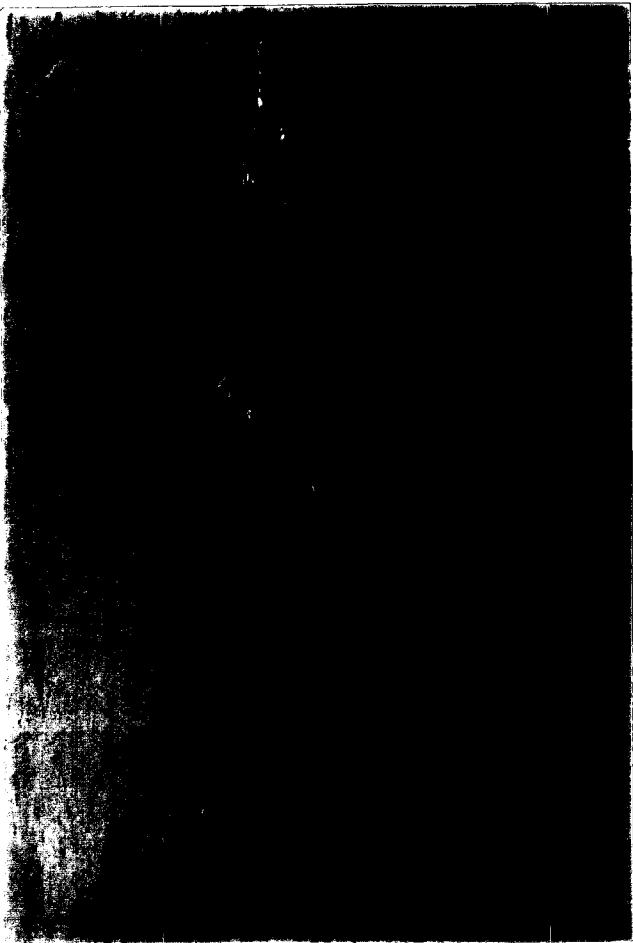




Site #208 (RBHC), Henderson Creek, Rookery Bay.



Site #208 (RBHC), Henderson Creek, Rookery Bay (from chart 11430).



Site #208 (RBHC), Henderson Creek, Rookery Bay.



**GERG SITE NUMBER - 209**

**DESIGNATOR - NBNB**

**SITE - NAPLES BAY, NAPLES BAY, FL**

**NOMINAL SITE CENTER - 26°06.75'N 81°47.13'W**

**LOCATED ON NOS CHART # - 11430**

**SITE ACCESS** - The site is accessed off U.S. I-95, at the Hwy. 951 exit for Marco island. Proceed south to Hwy. 864, and then turn left onto Rattlesnake Hummock Road. Turn right (north) onto Hwy. 41 and the left onto Thommason Road at the Hess gas station. Thommason road dead-ends, go left onto Fern Road and then right on Danford Road. Follow the signs to the Bayview Park boat ramp.

**SITE DESCRIPTION** - The oyster reefs are located to the east and adjacent to the red channel marker "24". The area has a number of old reefs that are primarily consolidated and cemented shell fragments. The nominal site center is around a small shell reef with a few mangroves, 50 meters southeast of the channel marker. Station 1 is located around the mangroves, Station 2 is to the east of the mangroves and Station 3 is to the west of the mangroves.

#### **OYSTER COLLECTIONS**

*1995* The small to medium sized oysters were found in clusters on the reef, which was built up of old shell. Very few spat were noted along with some barnacles.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

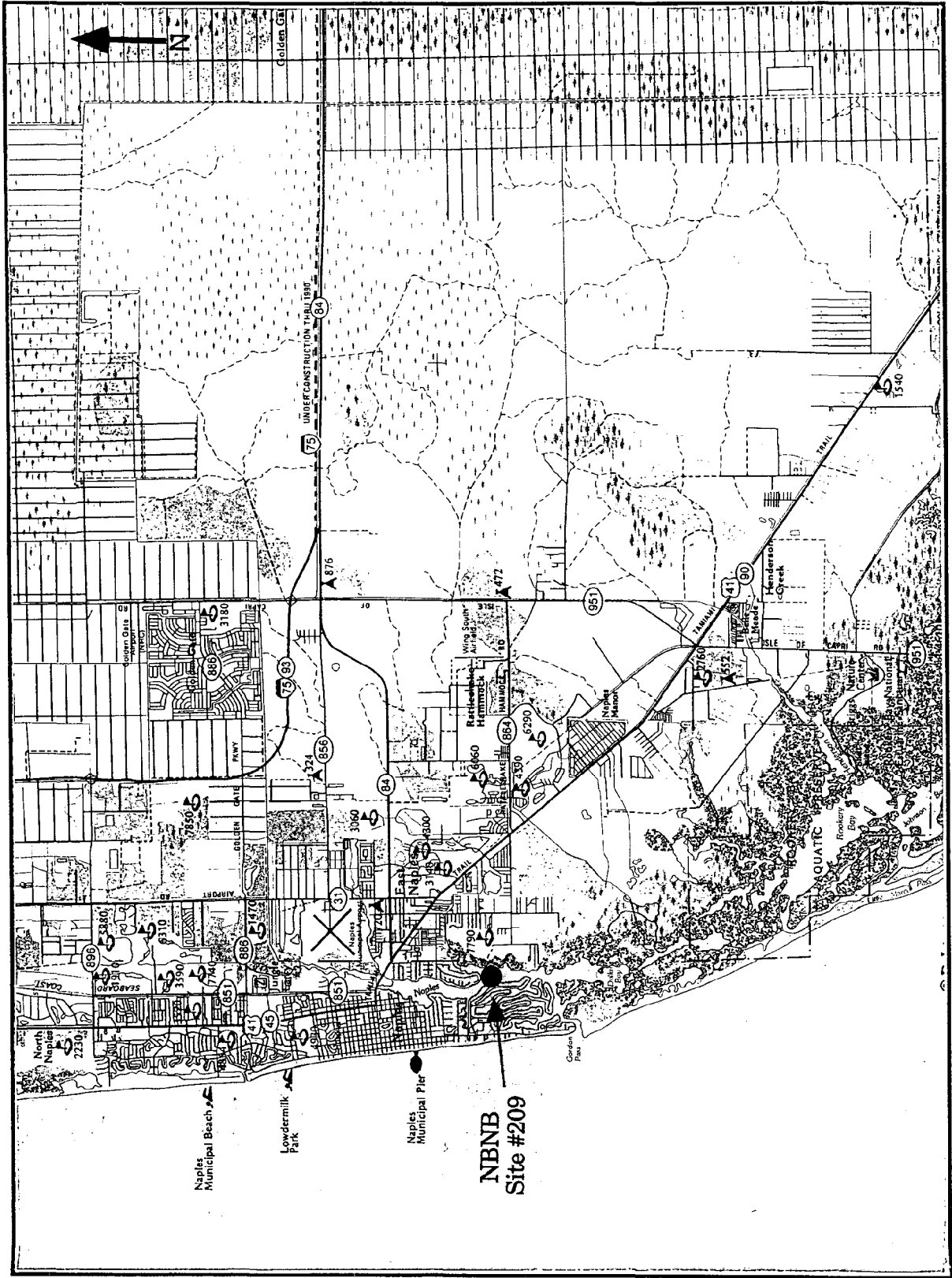
**POSSIBLE CONTAMINANTS** - Sources of contamination could be from the very heavy recreational boating and dense residential development along, and farther upstream of the waterfront.

#### **ENVIRONMENTAL DATA**

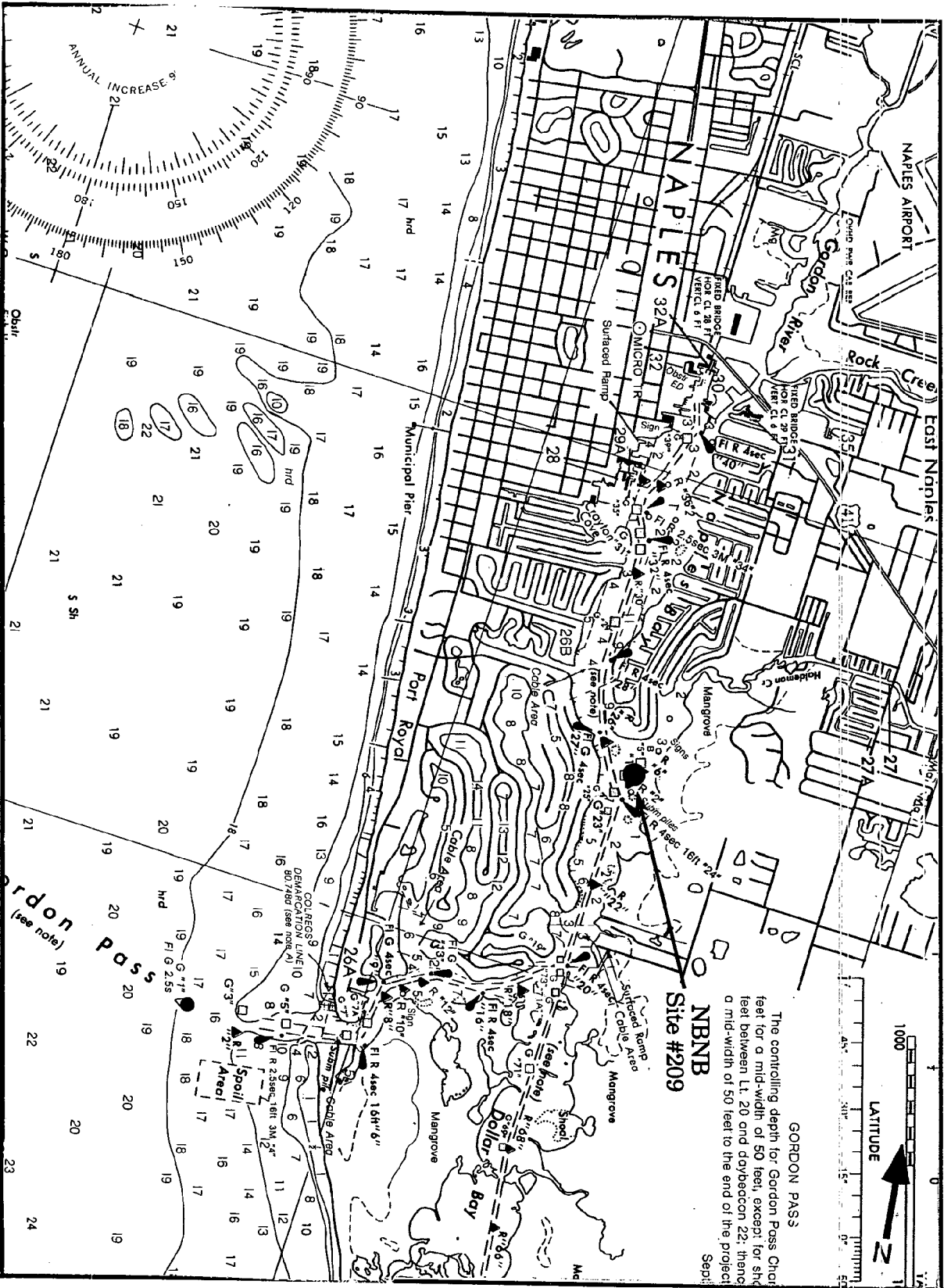
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	20.0	22 January 1995



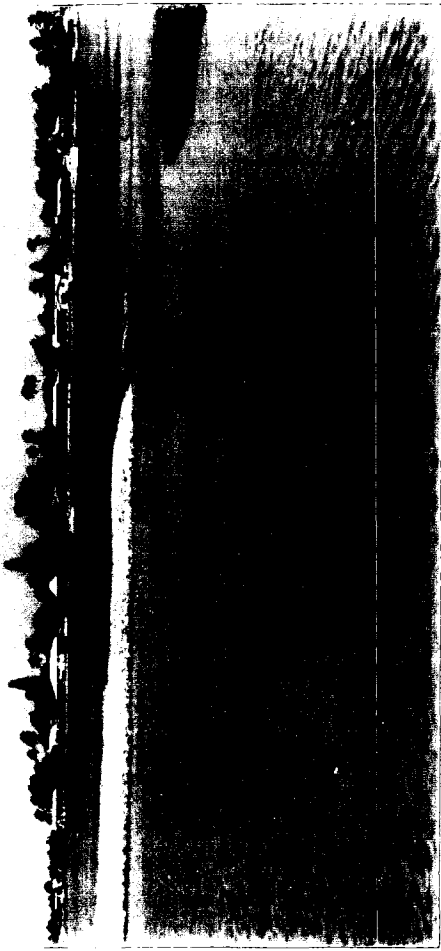




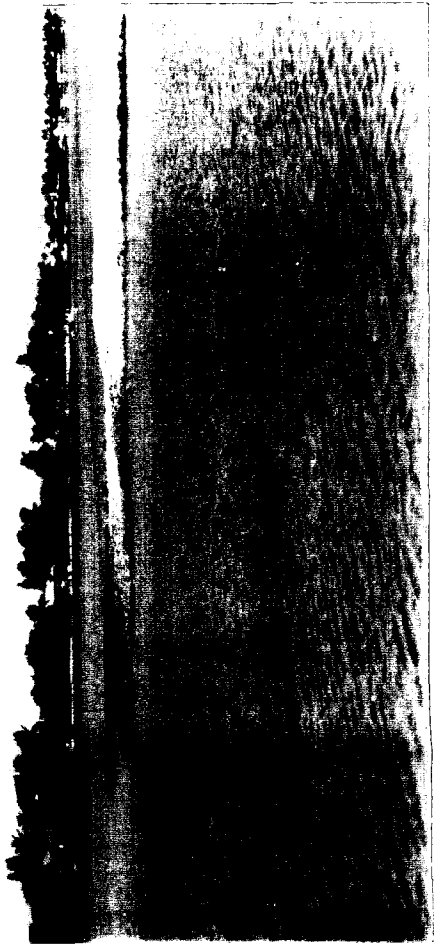
Site #209 (NBNB), Naples Bay, Naples Bay.



Site #209 (NBNB), Naples Bay, Naples Bay (from chart 11430).



Site #209 (NBNB), Naples Bay, Naples Bay.



**GERG SITE NUMBER - 210**

**DESIGNATOR - CBBI**

**SITE - BIRD ISLAND, CHARLOTTE HARBOR, FL**

**NOMINAL SITE CENTER - 26°30.86'N 82°02.07'W**

**LOCATED ON NOS CHART # - 11427**

**SITE ACCESS** - The site is accessed off U.S. I-75, taking the Hwy. 78 exit and going west. Cross over Hwy. 41 and then turn left onto Hwy. 867A (Del Prado Blvd.). Proceed south along the boulevard and continue on when the road goes into El Dorado. Turn left at the stop sign onto Coronado, then left again onto Lucerne. Follow the signs to the Yacht club and boat ramp. The boat launch site is at the public ramp at Red Fish Point, in Cape Coral. To reach the site, proceed west down the Calooshattee River along the ICWW past Big Shell Island. Turn north at the red channel markers "2" and "2A". This will take you to the west of Bird Island. An alternate launch site is at the Punta Rassa Ramp.

**SITE DESCRIPTION** - The site is located in San Carlos Bay in the Matlacha Pass National Wildlife Refuge. The site is on a reef, which is directly north of Bird Island and northeast of Merwin Key. Oysters are plentiful on the subtidal portions of the reef and can be collected either by hand or with tongs. Station 1 is at the southeast end of the reef, just north of the small mangrove island. Station 2 is 100 meters farther northwest, and Station 3 is 100 meters farther north of Station 2.

**OYSTER COLLECTIONS**

*1995* Small to medium sized oysters were abundant across the entire reef, occurring in clusters in the subtidal portions of the reef. No spat were observed, but there were large numbers of barnacles and some mussels growing on the oysters.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHOD**

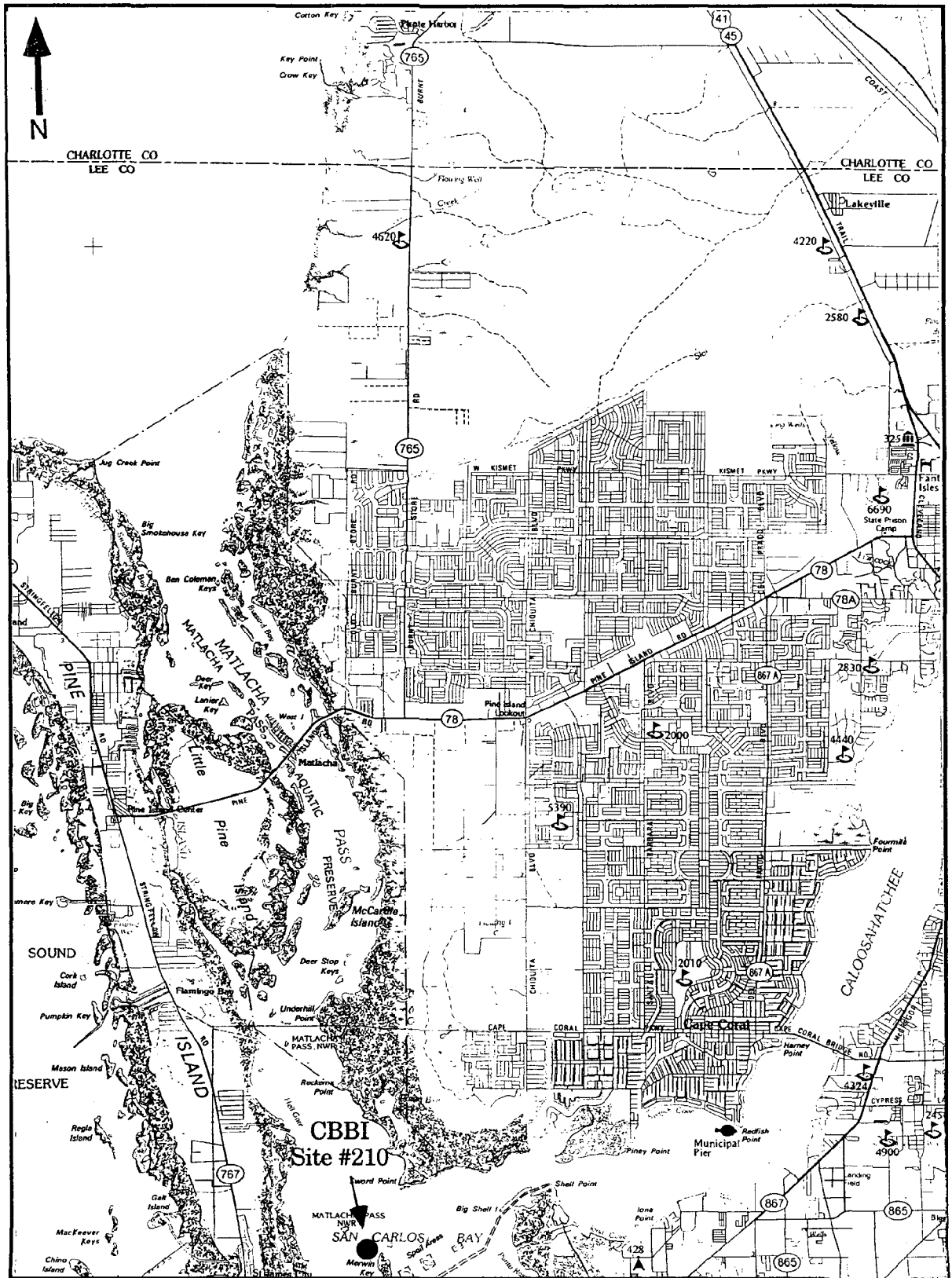
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

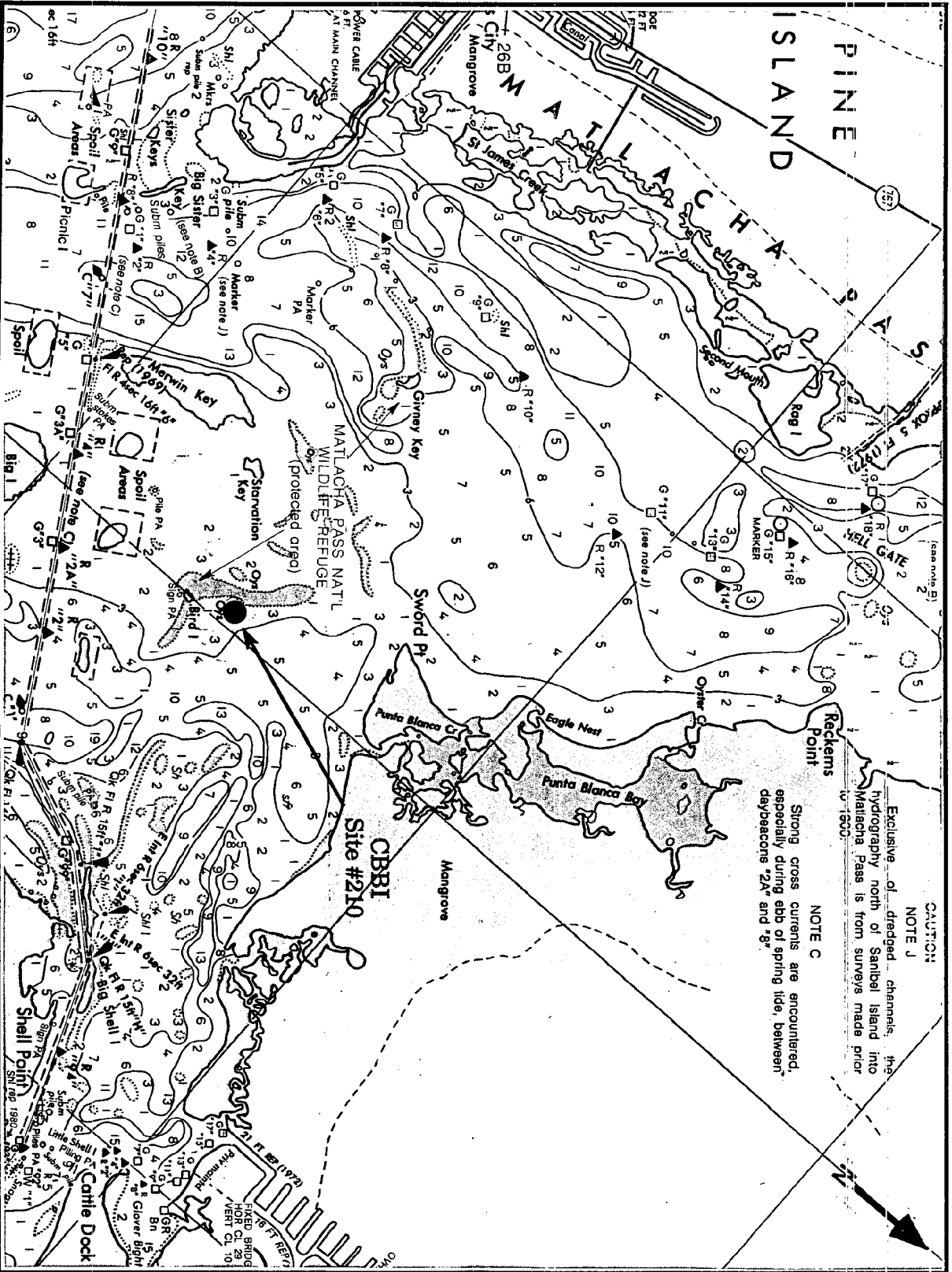
**POSSIBLE CONTAMINANTS** - There were no obvious sources of contamination at the Bird Island site. The site was in the open in a large bay.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	10.0	17.5	22 January 1995



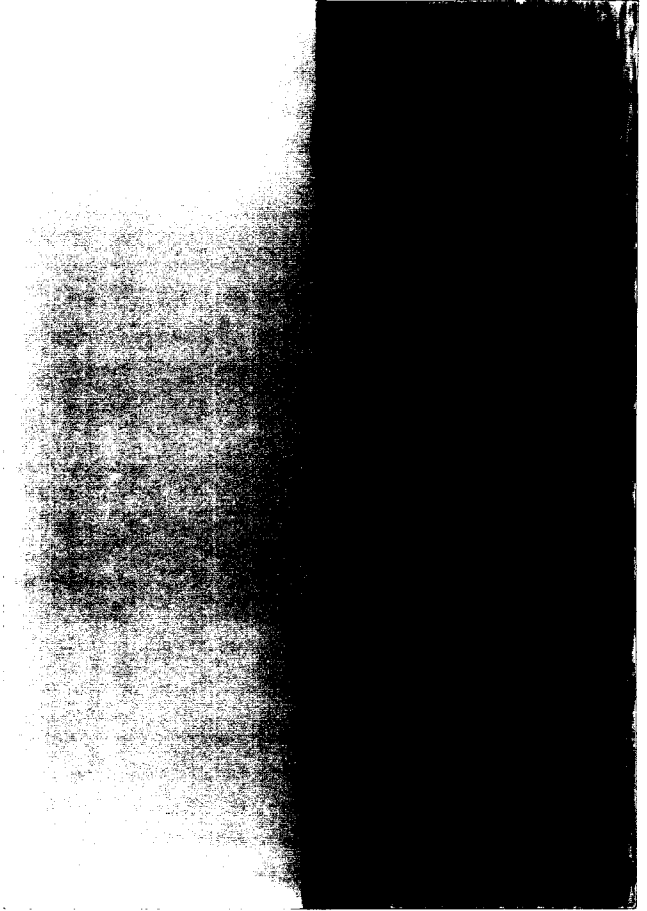
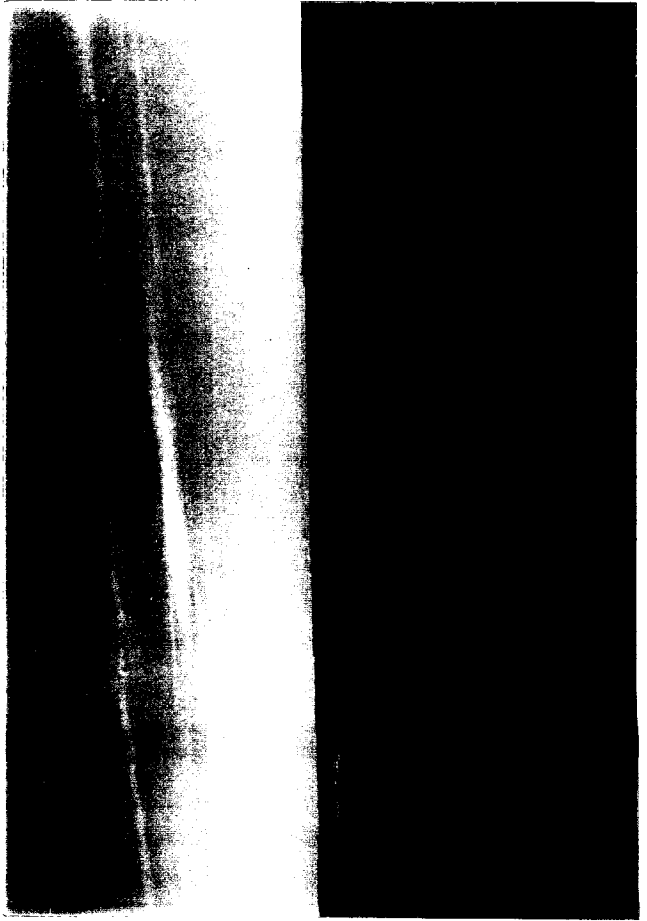
Site #210 (CBBI), Bird Island, Charlotte Harbor.



Site #210 (CBBID), Bird Island, Charlotte Harbor (from chart 11427).



Site #210 (CBB1), Bird Island, Charlotte Harbor.





**GERG SITE NUMBER - 211**

**DESIGNATOR - CBFM**

**SITE - FORT MEYERS, CHARLOTTE HARBOR, FL**

**NOMINAL SITE CENTER - 26°33.50'N 81°55.37'W**

**LOCATED ON NOS CHART # - 11427**

**SITE ACCESS** - The site is accessed off U.S. I-75, taking the exit for Hwy. 78 and going west. Cross over Hwy. 41 and then turn left onto Hwy. 867A (Del Prado Blvd.). Proceed south along the boulevard and continue on when the road goes into El Dorado. Turn left at the stop sign onto Coronado, then left again onto Lucerne. Follow the signs to the Yacht club and boat ramp. The boat launch site is at the public ramp at Red Fish Point, in Cape Coral. Proceed east up the Calooshattee River, along the ICWW to the Cape Coral Bridge. The site is at the east end of the bridge.

**SITE DESCRIPTION** - The site is located on the east end of the bridge on both sides of the highway. Small clumps of small oysters, along with clams and barnacles were attached along the base of the bridge, rip-rap and in clumps on the sand and shell bottom. Station 1 is located on the east end of the Cape Coral bridge on the northeast side. Station 2 is on the south side of the bridge and Station 3 is 100 meters to the south along the rip-rap bulkhead.

#### **OYSTER COLLECTIONS**

*1995* There were very few live oysters to be found in the entire area, as there had been a recent "Kill" associated with a cold weather freeze. There were a number of barnacles and mussels along with the few small live oysters.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHODS**

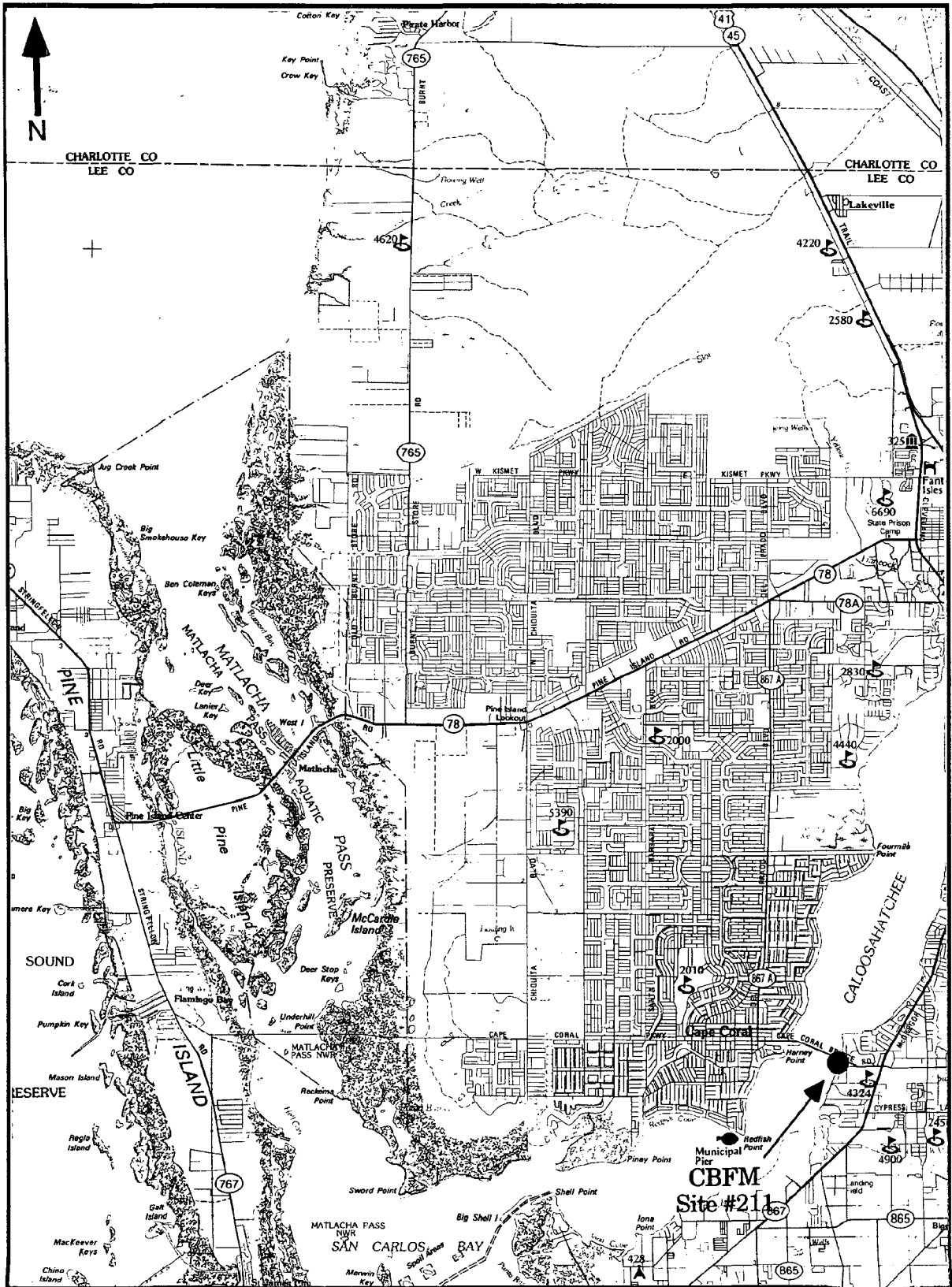
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

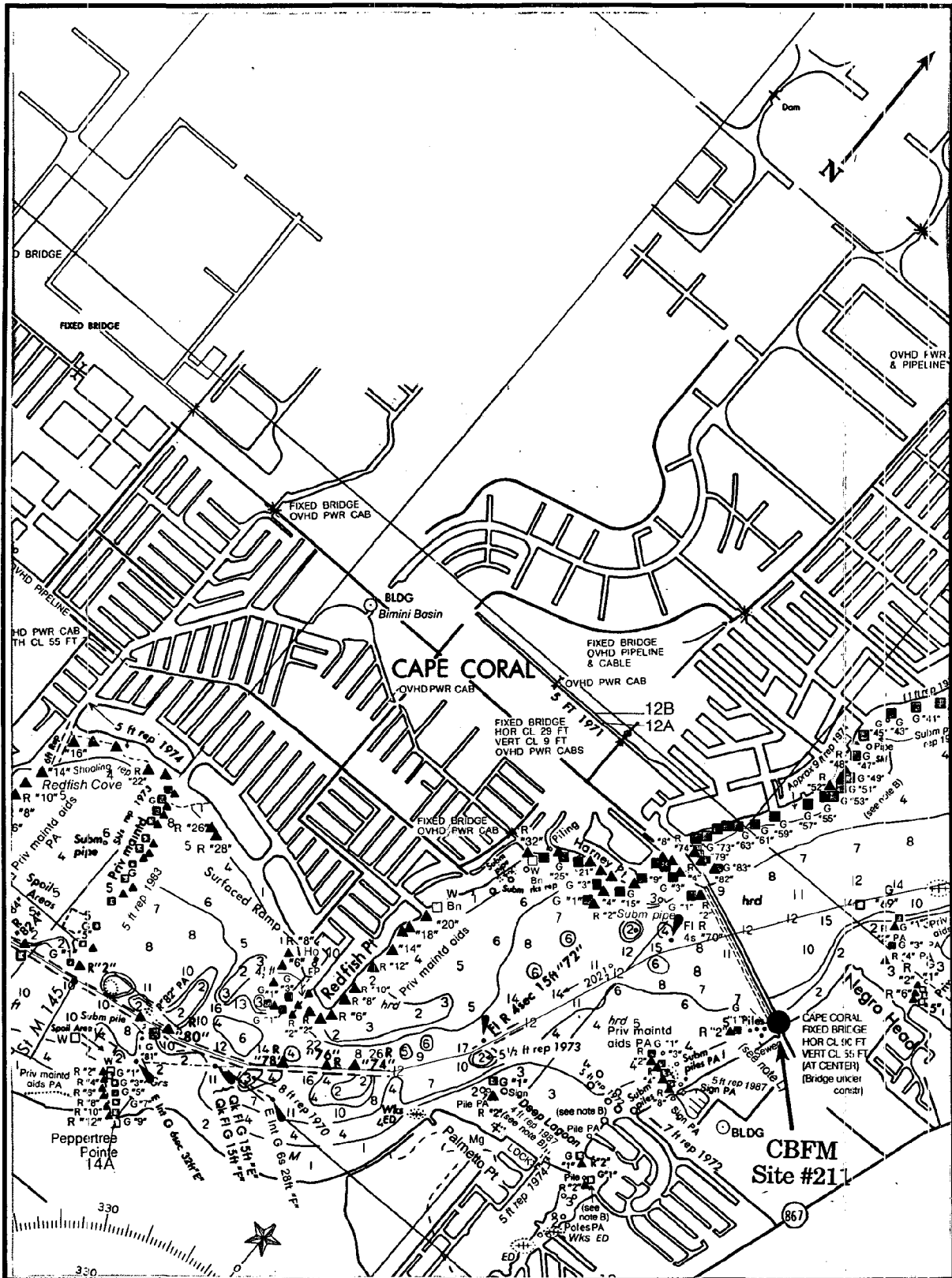
**POSSIBLE CONTAMINANTS** - Contamination was present from highway drainage and possibly from septic systems in the surrounding residential area.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	1.0	16.0	22 January 1995



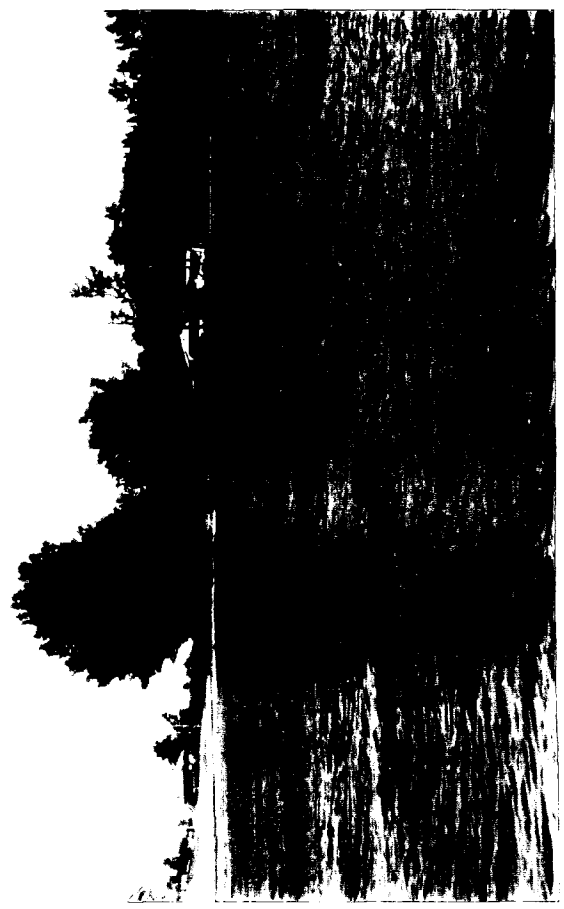
Site #211 (CBFM), Fort Meyers, Charlotte Harbor.



Site #211 (CBFM), Fort Meyers, Charlotte Harbor (from chart 11427).



Site #211 (CBFM), Fort Meyers, Charlotte Harbor.



**GERG SITE NUMBER - 212**

**DESIGNATOR - TBCB**

**SITE - COCKROACH BAY, TAMPA BAY, FL**

**NOMINAL SITE CENTER - 27°40.55'N 82°30.56'W**

**LOCATED ON NOS CHART # - 11414**

**SITE ACCESS** - The site is accessed by driving to Highway 41 and taking the Cockroach Bay Road to the west. The launch ramp is at the end of the road. A shallow draft boat, with a tilt motor and jack-up plate, is required to get access to the site. The trip to the site requires winding around numerous small islands to the open bay at the east end of Cockroach Bay. Upon entering the open bay, proceed east to a very small island (mostly subtidal), near the southeast shore.

**SITE DESCRIPTION** - The site is located on an exposed reef on the south side of Cockroach Bay. Oysters were collected by hand from the subtidal portions of the reef. Neither the sediments nor oyster collection stations can easily be differentiated geographically around the small island.

**OYSTER COLLECTIONS**

*1995* This site was not scheduled to be collected this year.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

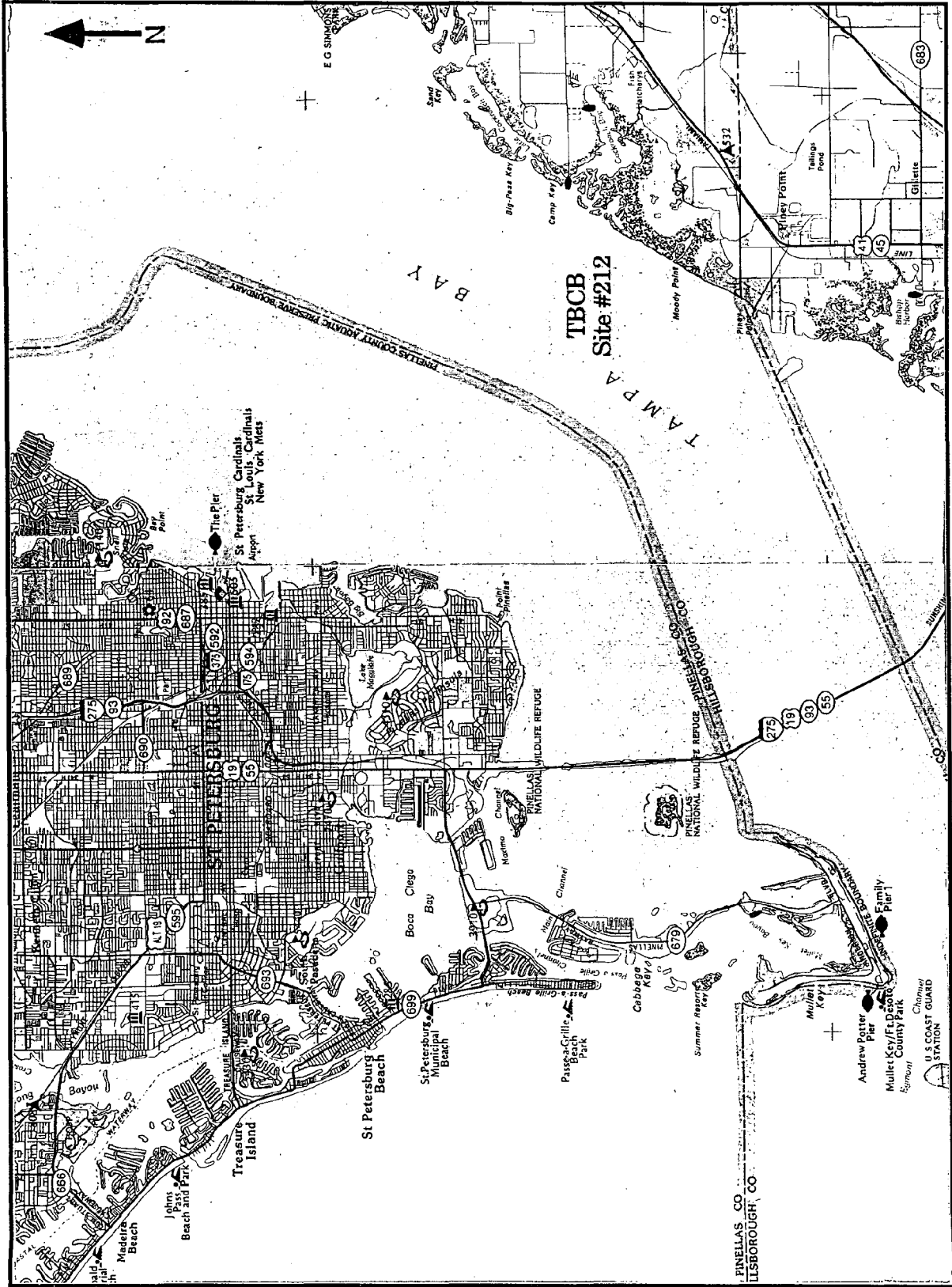
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There were no obvious visible point sources of contamination around this very secluded site, although the surrounding area appeared to support vegetable and fruit farms.

**ENVIRONMENTAL DATA**

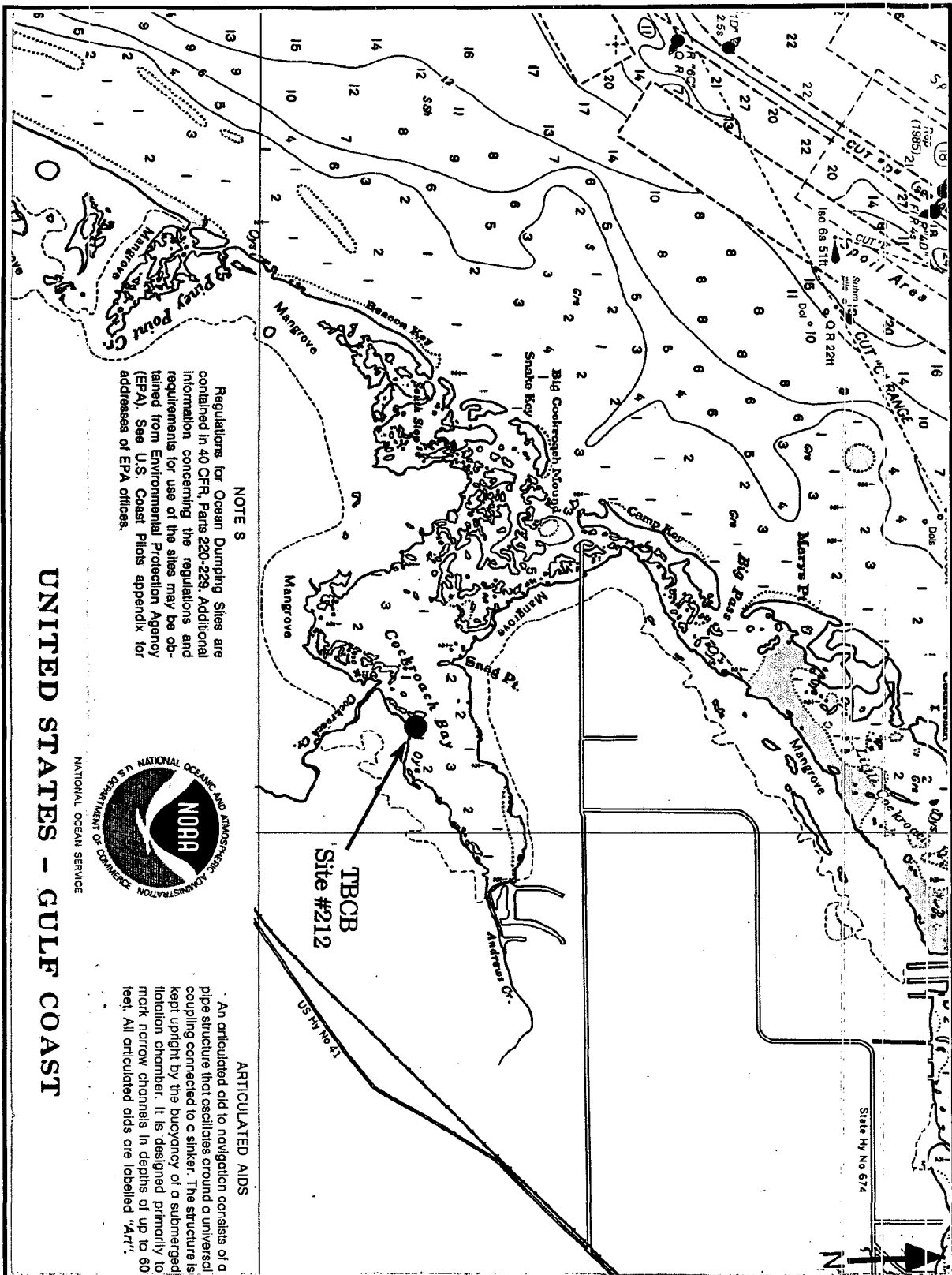
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A





Site #212 (TBCB), Cockroach Bay, Tampa Bay.





**NOTE S**  
 Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

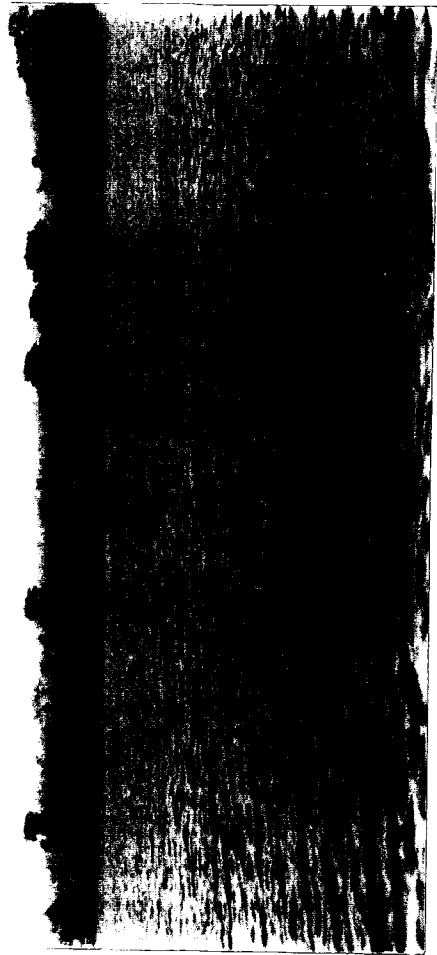


**UNITED STATES - GULF COAST**

**ARTICULATED AIDS**

An articulated aid to navigation consists of a pipe structure that oscillates around a universal coupling connected to a sinker. The structure is kept upright by the buoyancy of a submerged flotation chamber. It is designed primarily to mark narrow channels in depths of up to 80 feet. All articulated aids are labelled "Art".

Site #212 (TBCB), Cockroach Bay, Tampa Bay (from chart 11414).



Site #212 (TBCB), Cockroach Bay, Tampa Bay.



**GERG SITE NUMBER - 213**

**DESIGNATOR - TBHB**

**SITE - HILLSBOROUGH BAY, TAMPA BAY, FL**

**NOMINAL SITE CENTER - 27°51.28'N 82°23.75'W**

**LOCATED ON NOS CHART # - 11413**

**SITE ACCESS** - The boat is launched at the ramp on the northwest corner of the Highway 41 bridge, over the Alafia River.

**SITE DESCRIPTION** - This site is located on the north bank of the Alafia River, to the west of the Hwy. 41 road bridge. The oyster collection stations are established along the riprap shoreline just to the east of green channel marker "15". Discrete stations were not observed due to the scarcity of the oysters.

**OYSTER COLLECTIONS**

*1995* This site was not scheduled for sampling this year.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

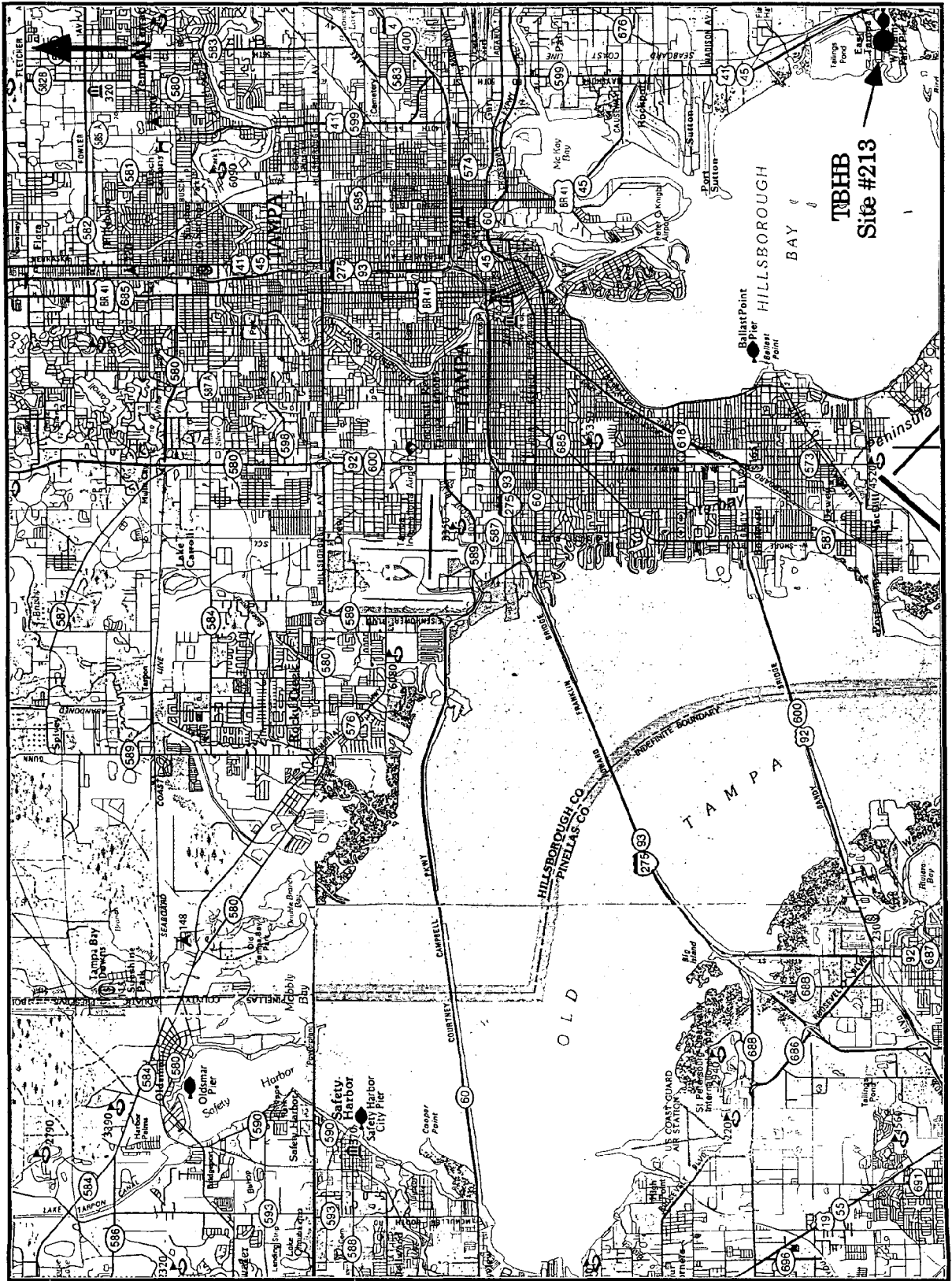
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - One obvious source of contamination is the phosphate plant, which is directly adjacent to the oyster collection site.

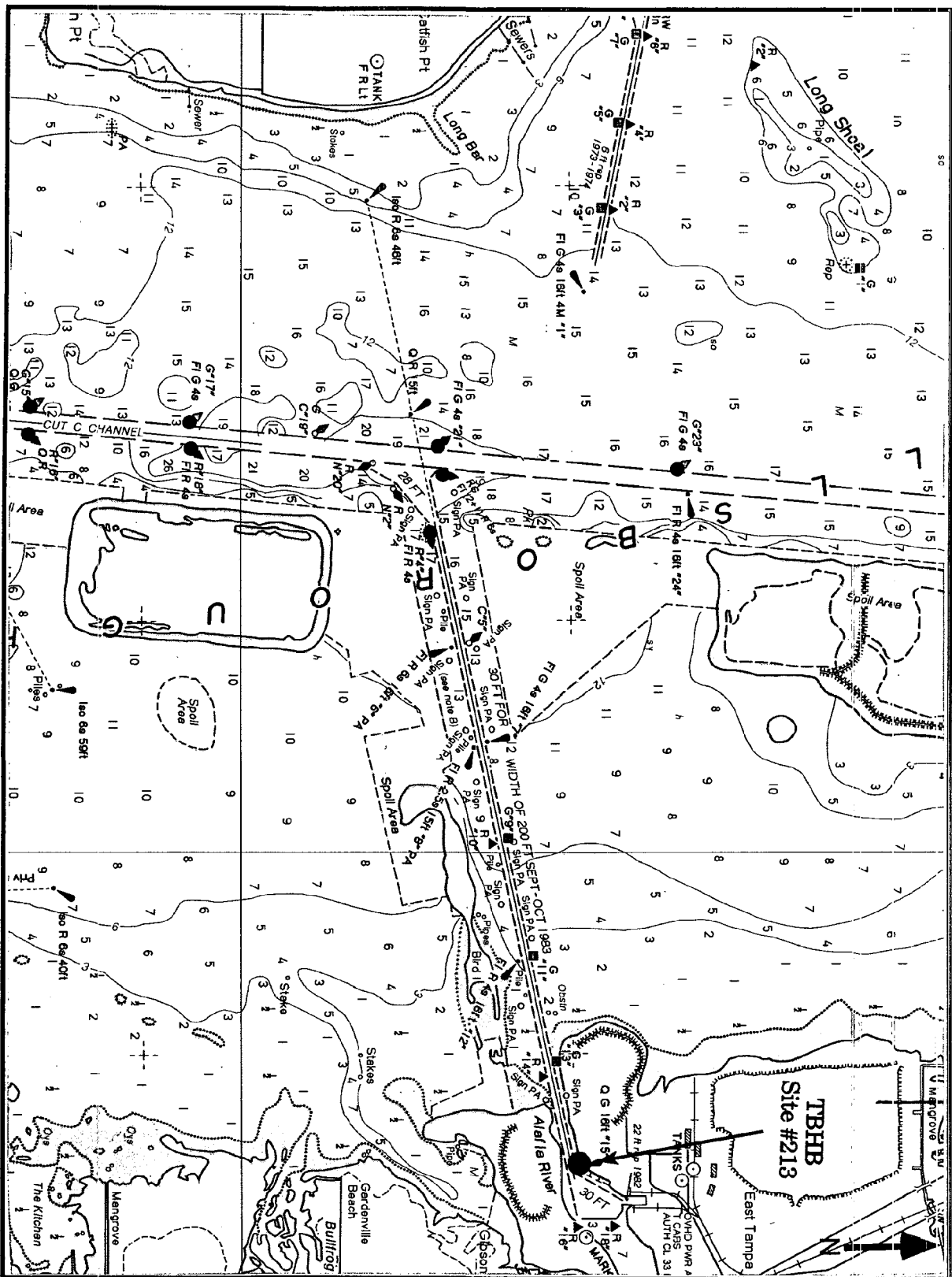
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A

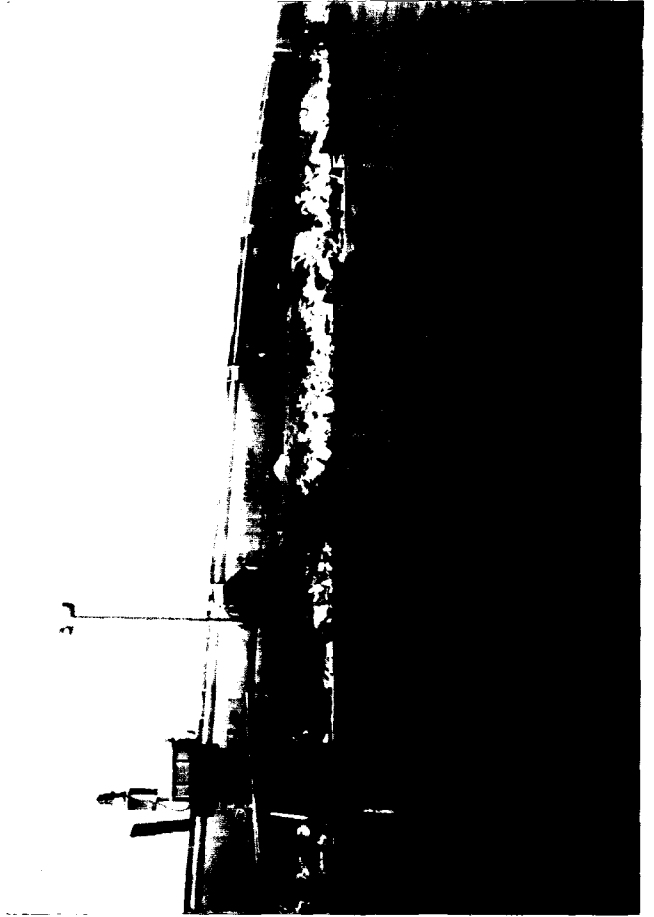




Site #213 (TBHB), Hillsborough Bay, Tampa Bay.



Site #213 (TBHB), Hillsborough Bay, Tampa Bay (from chart 11413).



Site #213 (TBHB), Hillsborough Bay, Tampa Bay.



**GERG SITE NUMBER - 214**

**DESIGNATOR - TBKA**

**SITE - KNIGHT AIRPORT, TAMPA BAY, FL**

**NOMINAL SITE CENTER - 27°54.46'N 82°27.29'W**

**LOCATED ON NOS CHART # - 11413**

**SITE ACCESS** - The site is located on the south end of the Davis Islands, adjacent to the Peter O. Knight airport and the Davis Islands Yacht Club. To reach this site from St. Petersburg, take I-275 east and then take exit 24, go south on Armenia to Swann Ave., then east to join Bayshore Blvd. Cross over the bridge to the Davis Islands. Stay on west Davis Blvd. and then exit right onto Airport then to Marinique, which follows the seawall.

**SITE DESCRIPTION** - Oysters were intertidal and were attached to the rocks of the jetty, which extends from the end of the runway into the bay. Station 1 is located along the seawall beginning at the junction of the seawall and jetty on the east side of the jetty. Station 2 is at the bay end of the jetty, and Station 3 is on the west side of the jetty, beginning at the seawall.

**OYSTER COLLECTIONS**

*1995* The site was not scheduled for collection this year.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediments - N/A

**WATER DEPTH** - intertidal, 0.5 m

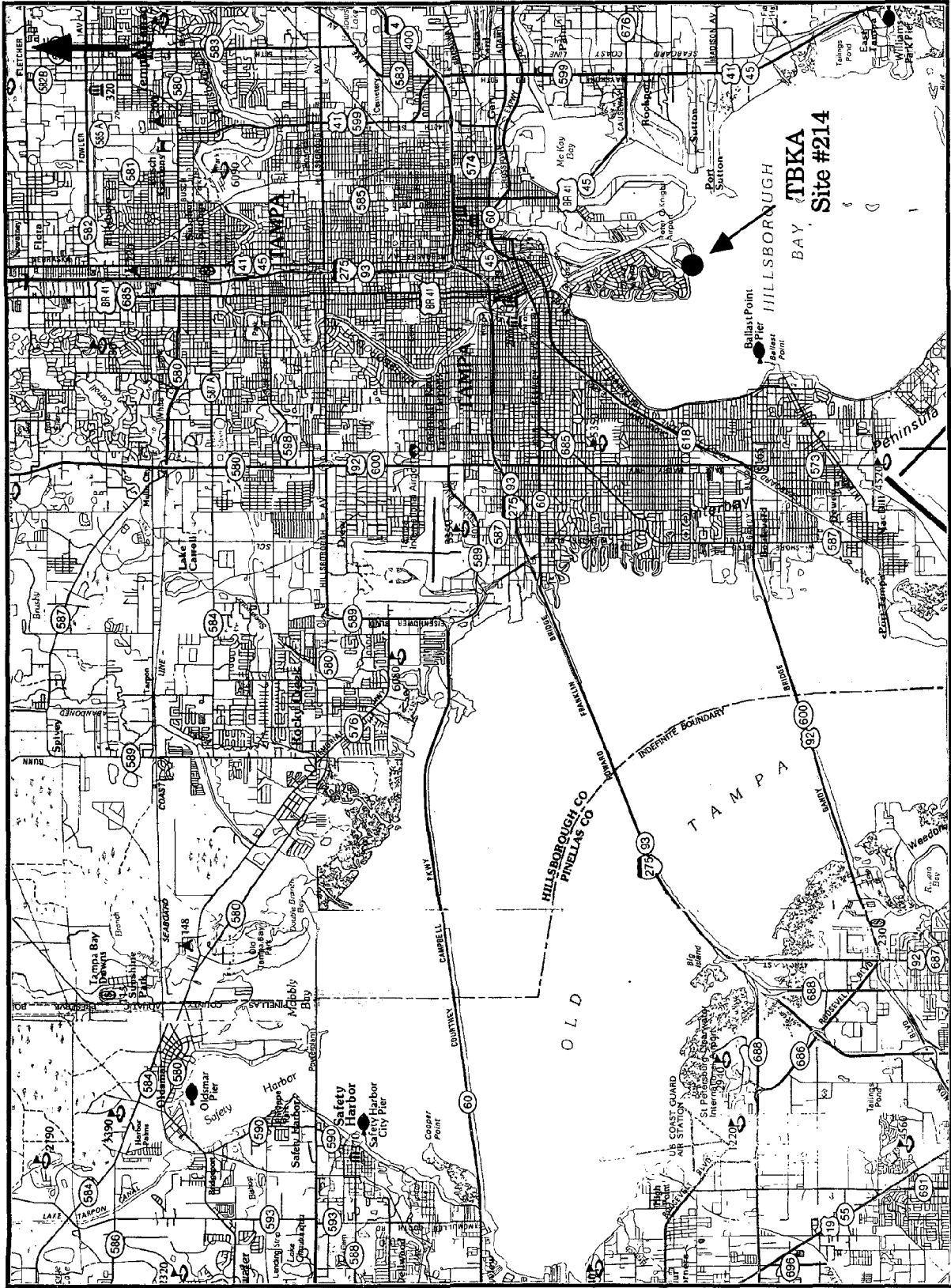
**POSSIBLE CONTAMINANTS** - No sources of contaminants were identified, apart from run-off from the runway.

**ENVIRONMENTAL DATA**

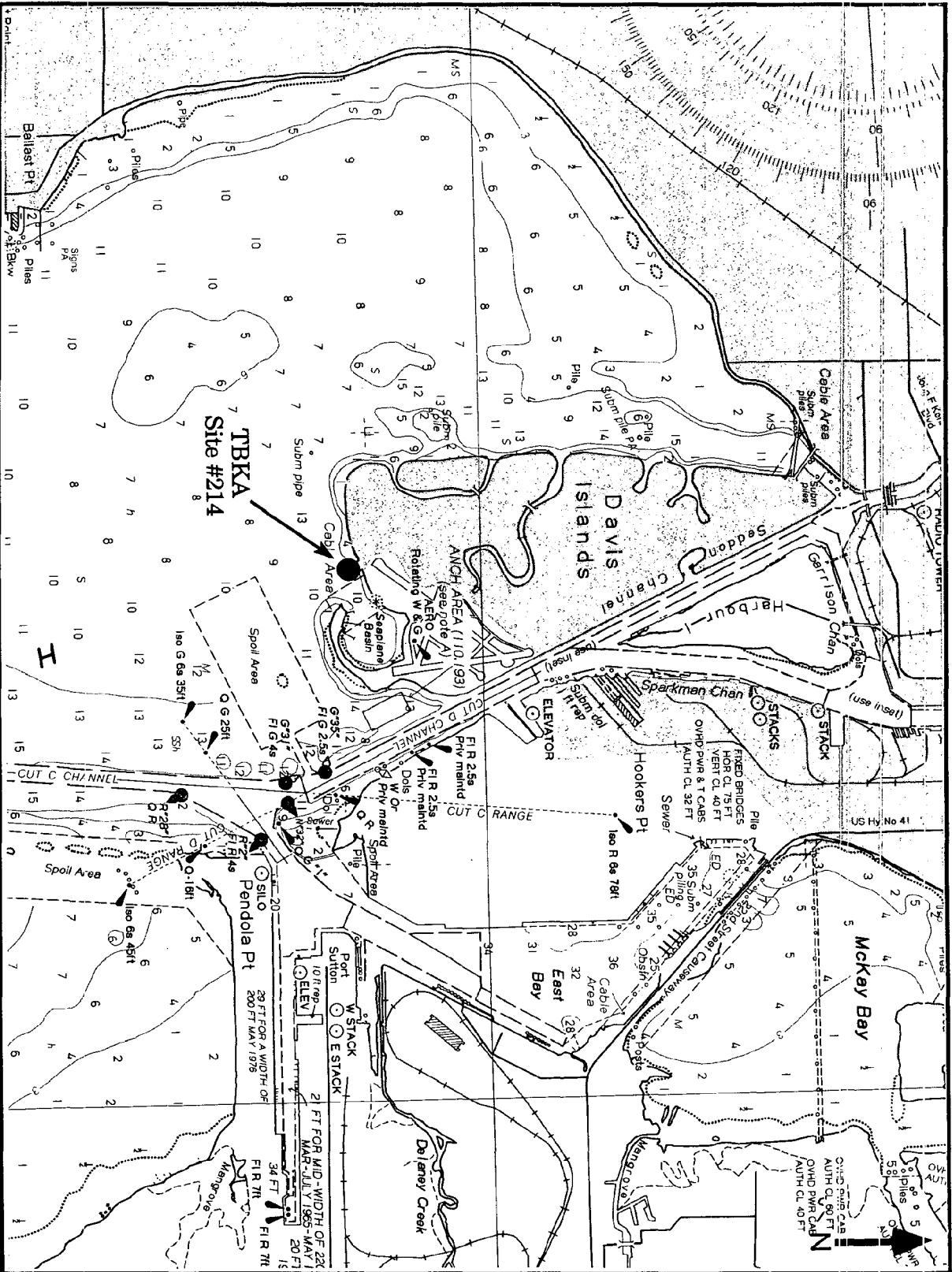
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



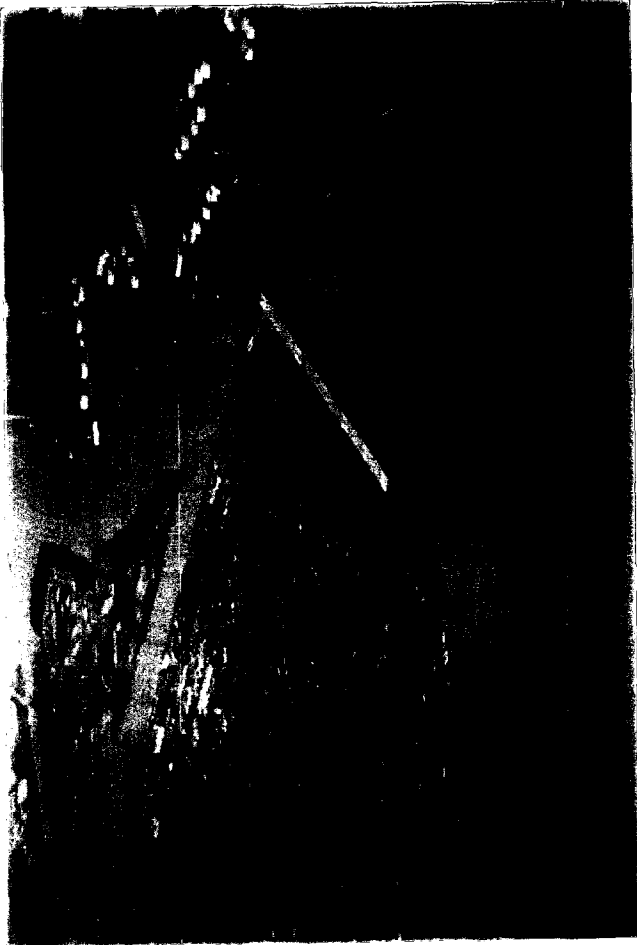




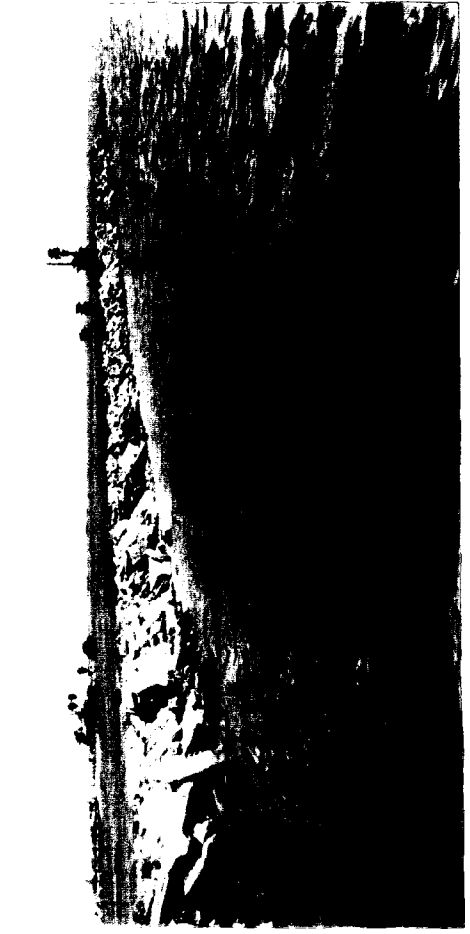
Site #214 (TBKA), Knight Airport, Tampa Bay.



Site #214 (TBKA), Knight Airport, Tampa Bay (from chart 11413).



Site #214 (TBKA), Knight Airport, Tampa Bay.



**GERG SITE NUMBER - 215**

**DESIGNATOR - TBOT**

**SITE - OLD TAMPA BAY, TAMPA BAY, FL**

**NOMINAL SITE CENTER - 28°01.48'N 82°37.95'W**

**LOCATED ON NOS CHART # - 11413**

**SITE ACCESS** - To reach the site, take Highway 275 to Hwy. 92 west, and then take Hillsborough Avenue toward Tampa Bay Downs. Turn south on Double Branch Road and proceed to State Street, turn left and go to the boat ramp at the end of the street.

**SITE DESCRIPTION** - Station 1 is located ~ 50 meters north of the boat ramp. The reef extends underwater from east to west and is exposed at low tide. Station 2 is a small subtidal reef ~ 10 meters east of the end of the boat ramp. Station 3 is 50 meters southeast of the boat ramp, where the creek forks on the east side of the channel.

**OYSTER COLLECTIONS**

*1995* This site was not scheduled to be sampled this year.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

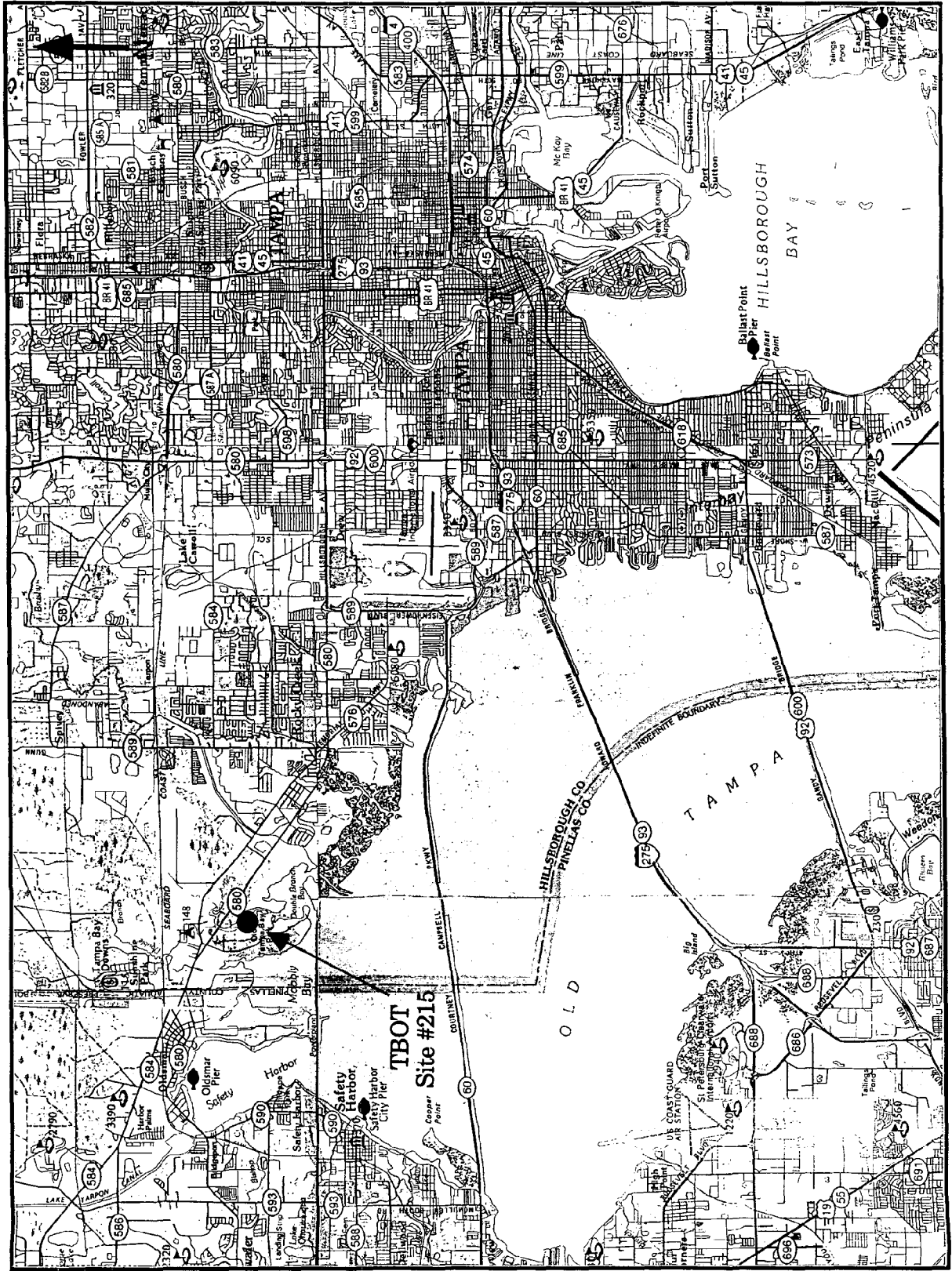
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - Contamination at the site was not obvious, but mobile home and housing developments were present upstream from the collection site. No industrial contaminant sources were observed.

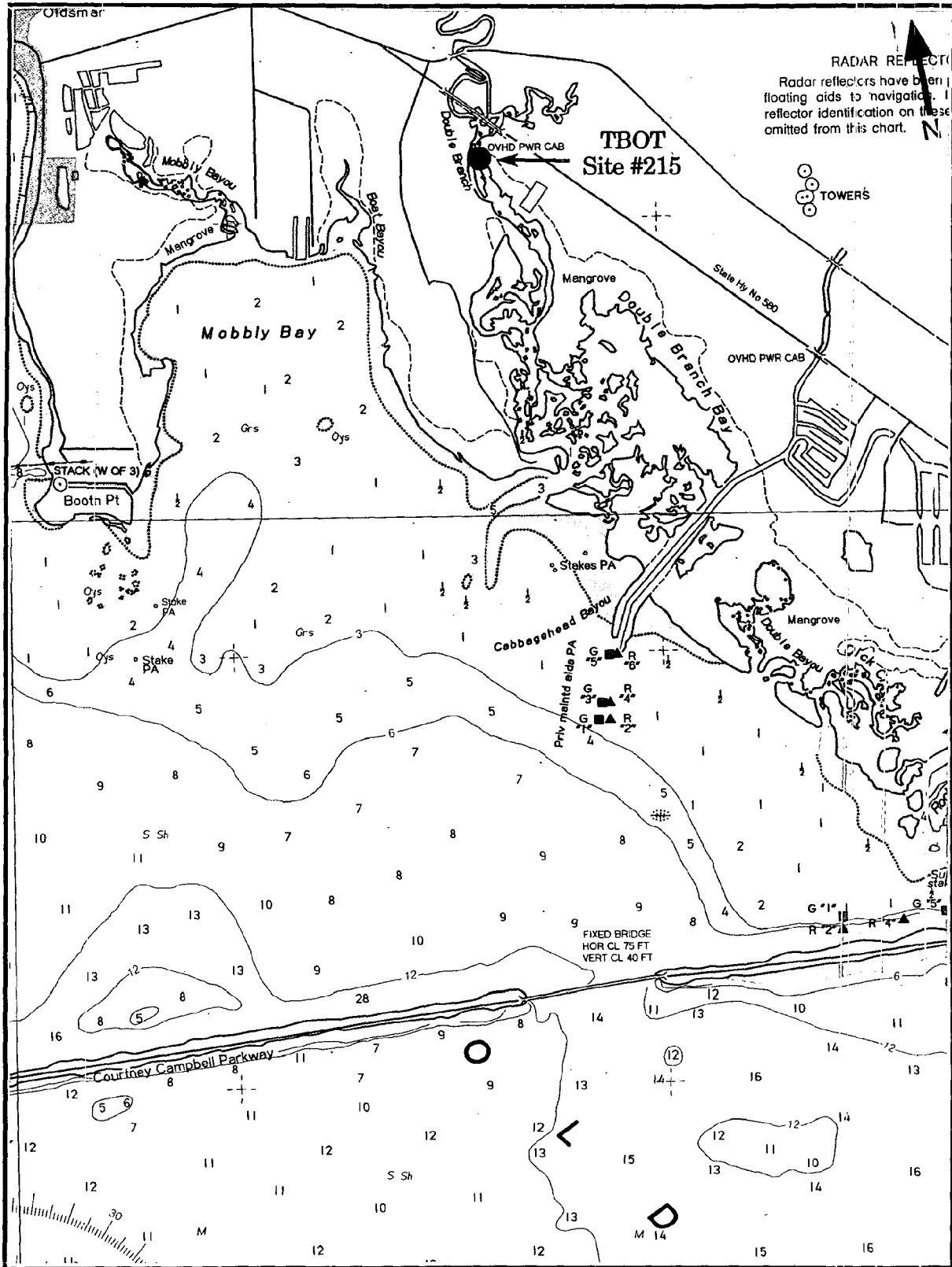
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A





Site #215 (TBOT), Old Tampa Bay, Tampa Bay.

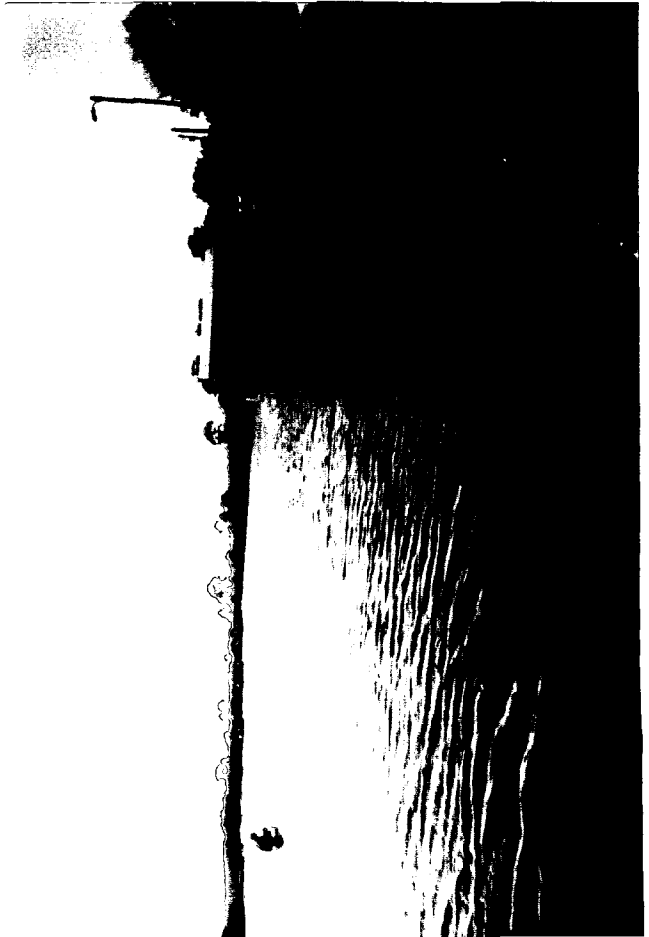


Site #215 (TBOT), Old Tampa Bay, Tampa Bay (from chart 11413).





Site #215 (TBOT), Old Tampa Bay, Tampa Bay.



**GERG SITE NUMBER - 216**

**DESIGNATOR - TBPB**

**SITE - PAPYS BAYOU, TAMPA BAY, FL**

**NOMINAL SITE CENTER - 27°50.53'N 82°36.62'W**

**LOCATED ON NOS CHART # - 11413**

**SITE ACCESS** - This site can be accessed by boat or by automobile. By boat, depart the city marina in St. Petersburg and cross to the west side of Tampa Bay to Papyrus Bayou (~30 minutes). An alternate boat ramp is at the Gandy Bridge Marina. The site is reached by traveling out the channel parallel to the highway to Tampa Bay, and then south to green channel marker "15", then turn west to the entrance to Papyrus Bayou. This ride takes approximately 20 minutes. Access to the site by wading is accomplished by driving to the Weeden Island Wildlife Refuge, via Weeden Drive.

**SITE DESCRIPTION** - The nominal center of the site is an old wood and steel pier-type structure, at the end of the bayou. Station 1 oysters were collected from the mangroves at the shore end of the pier, Station 3 oysters from the distal end of the pier, and Station 2 oysters were from the midpoint of the pier between Stations 1 & 3.

**OYSTER COLLECTIONS**

*1995* The site was not scheduled to be collected this year.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

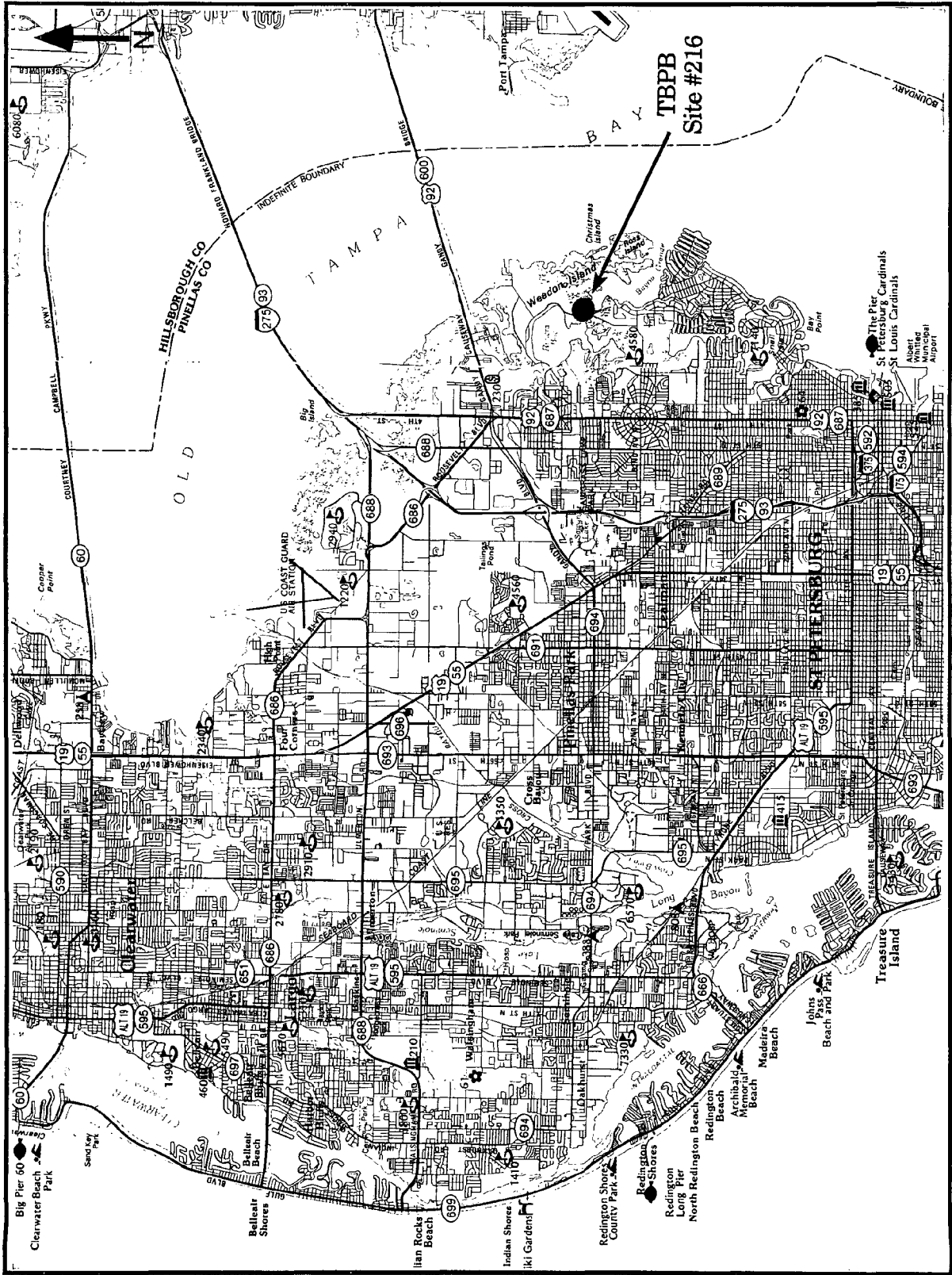
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - Sources of contamination included heavy recreational boating in the restricted embayment, and an electric power generation plant near the bay.

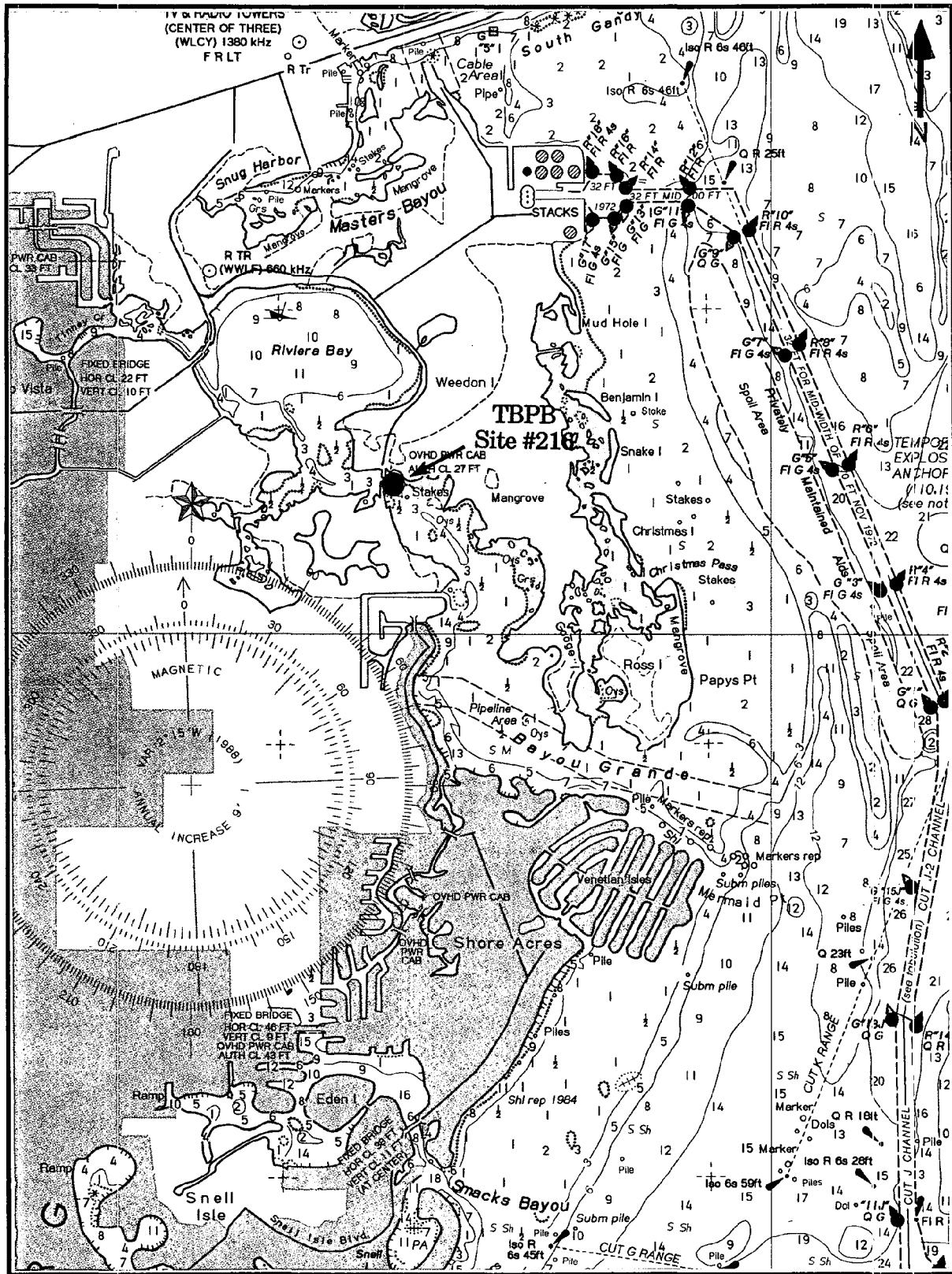
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A





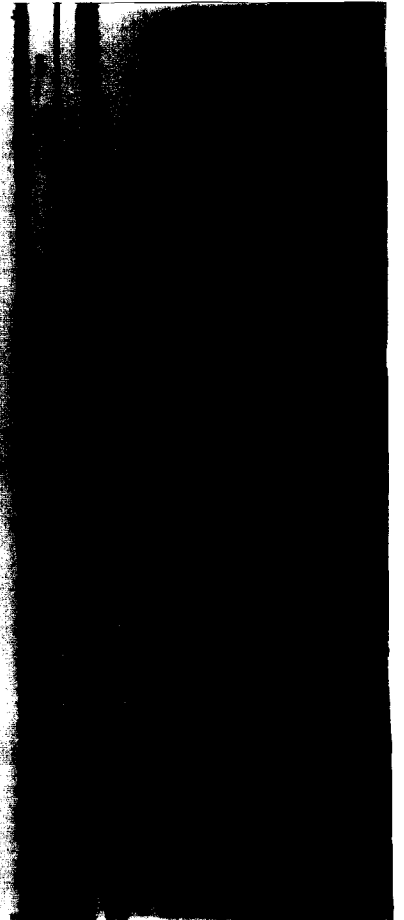
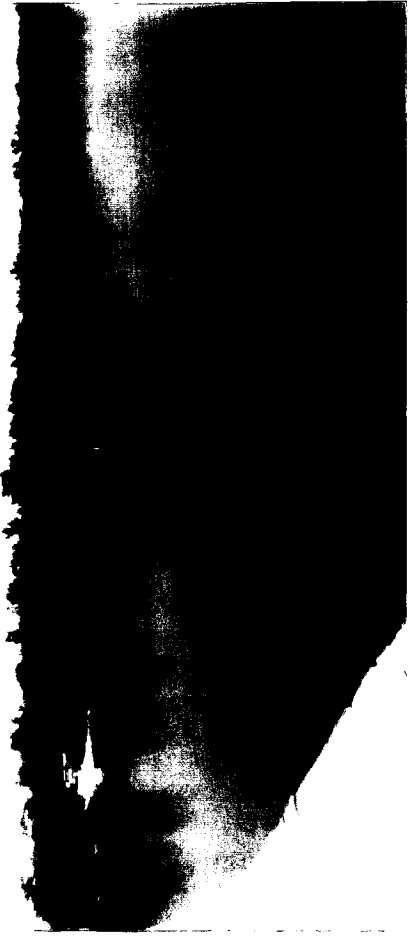
Site #216 (TBPB), Pappys Bayou, Tampa Bay.



Site #216 (TBPB), Papys Bayou, Tampa Bay (from chart 11413).



Site #216 (TBPB), Pappys Bayou, Tampa Bay.



**GERG SITE NUMBER - 217**

**DESIGNATOR - TBMK**

**SITE - MULLET KEY BAYOU, TAMPA BAY, FL**

**NOMINAL SITE CENTER - 27°37.28'N 82°43.62'W**

**LOCATED ON NOS CHART # - 11411**

**SITE ACCESS** - The site is accessed by automobile from the Fort DeSoto County Park on Mullet Key. To reach the site, travel down Highway 679 and turn right onto Anderson Blvd. Then turn right (north) on the a small shell road, north of the pier parking lot. Travel down the road, until the road ends at the waters edge.

**SITE DESCRIPTION** - The site is located in the southwest corner of Mullet Key Bayou, north of Family Fishing Pier 1. Station 1 is located 30 meters from the ramp, just south of the three poles and next to the mangroves. Station 2 is located at, and to the east of, the ramp, approximately 150 meters east of Station 1. Station 3 is a small reef 100 meters to the east of Station 2, at the second mangrove point.

#### **OYSTER COLLECTIONS**

*1995* This site was not scheduled to be collected this year.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

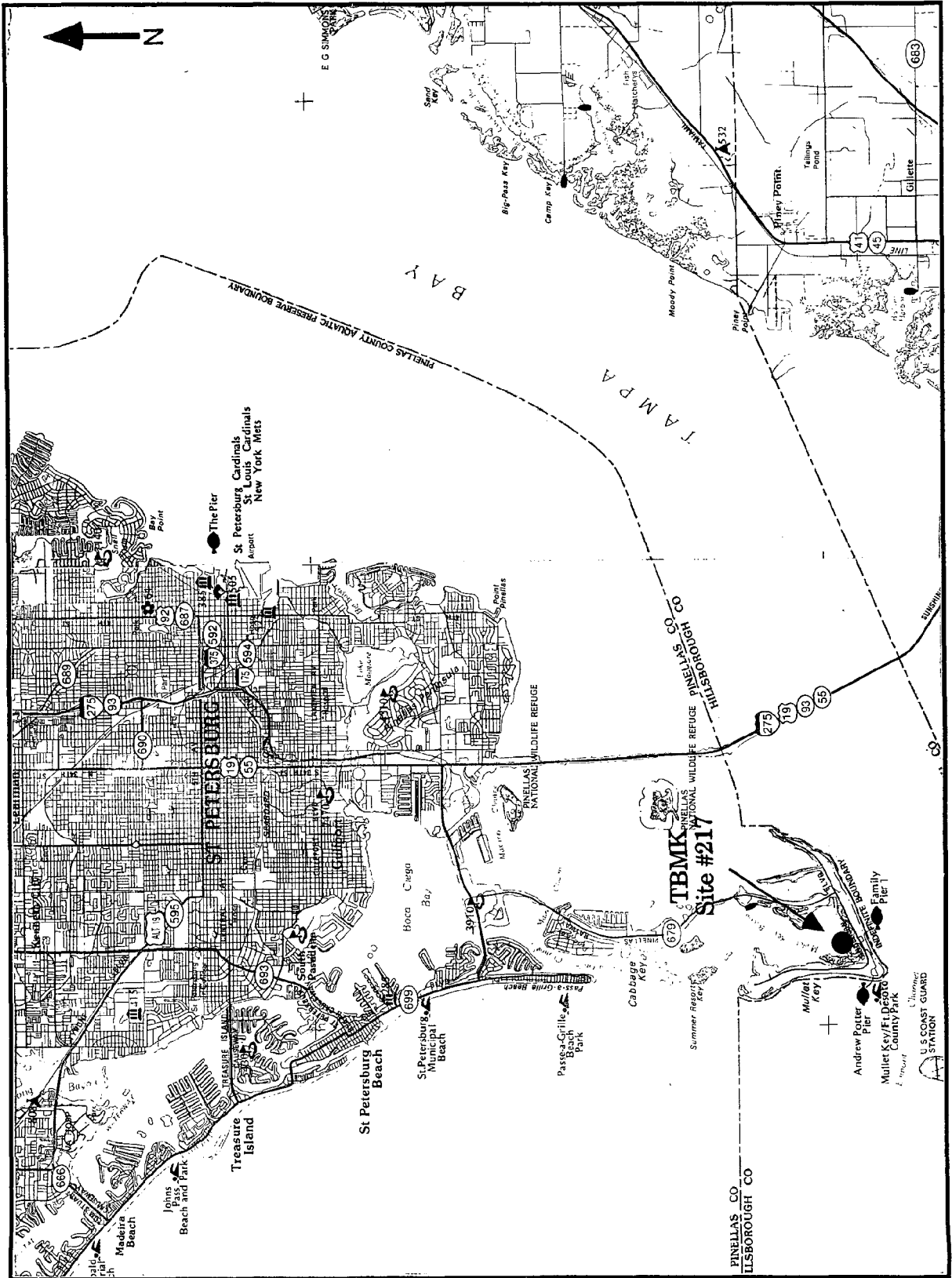
**POSSIBLE CONTAMINANTS** - There are no obvious visible point sources of contamination in the area.

#### **ENVIRONMENTAL DATA**

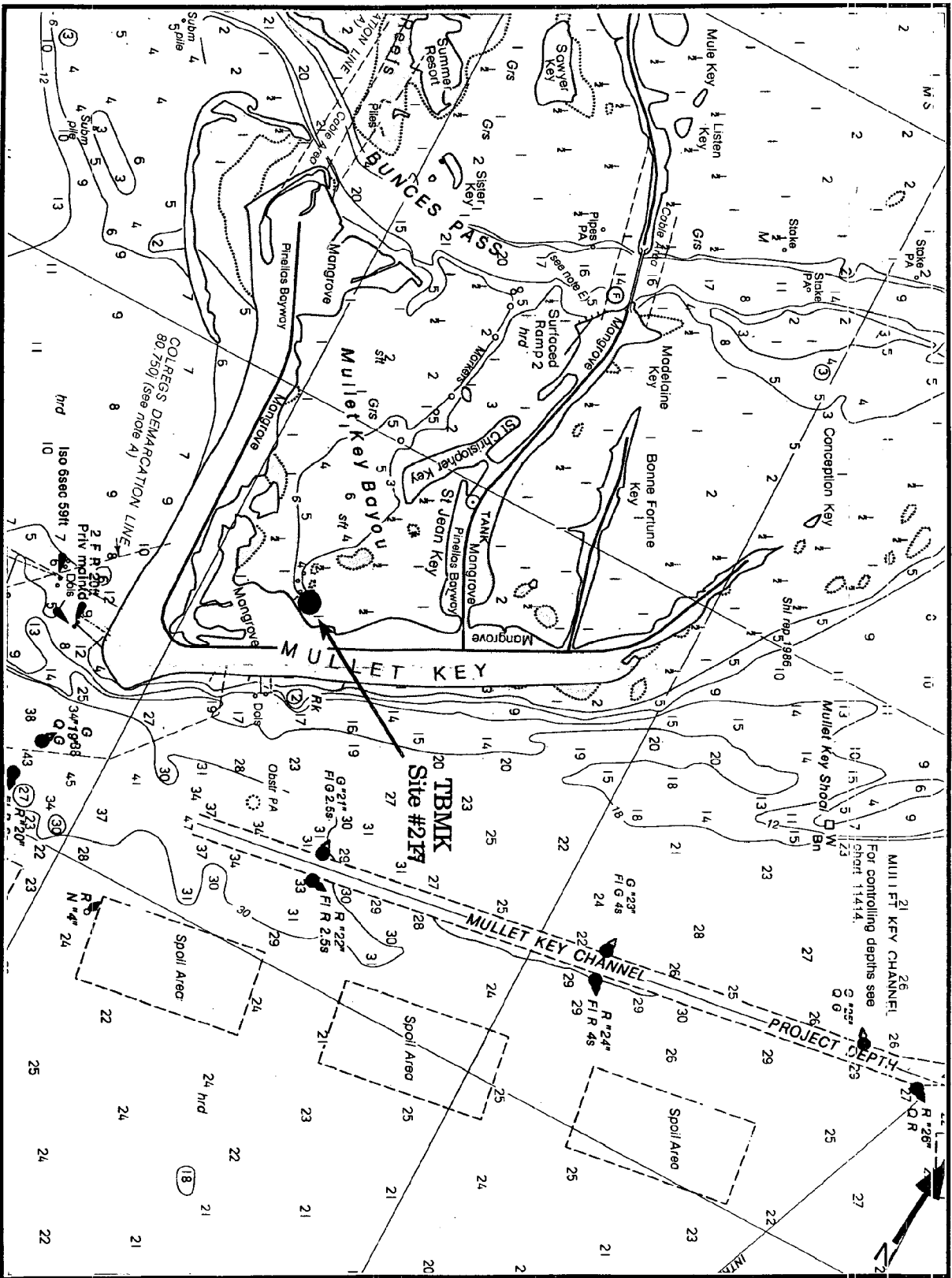
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A







Site #217 (TBMK), Mullet Key Bayou, Tampa Bay.



Site #217 (TBMK), Mullet Key Bayou, Tampa Bay (from chart 11411).



Site #217 (TBMK), Mullet Key Bayou, Tampa Bay.



**GERG SITE NUMBER - 218**

**DESIGNATOR - TBNP**

**SITE - NAVAREZ PARK, TAMPA BAY, FL**

**NOMINAL SITE CENTER - 27°47.28'N 82°45.28'W**

**LOCATED ON NOS CHART # - 11411**

**SITE ACCESS** - The site is located at the boat ramp in Navarez Park, which is located on the east side of Boca Ciega Bay, north of the Treasure Island Causeway. To reach the site, travel west on 5th Ave. and then turn north (right) onto Park Street. Turn off of Park street and go west (left) onto Elbow Lane.

**SITE DESCRIPTION** - This site is next to an old boat basin and a sand ramp, that are no longer used. There are also two newer concrete ramps and a fishing pier nearby. All three stations are located south of the new boat ramps. Station 1 is along the north and east side of the boat basin. The oysters were attached to the concrete bulkhead, on rocks and debris on the bottom, and on the sandy bottom. Station 2 is 50 meters to the southwest across the boat basin, on a point that juts out to the north. This site begins at the northernmost point of land, and continues south for approximately 50 meters. The oysters were attached to the concrete rubble and were on the sandy bottom. Station 3 is 100 meters south of Station 2, on a small point of land that juts out to the west. Here, the oysters were attached to the concrete rubble.

#### **OYSTER COLLECTIONS**

*1995* This site was not scheduled to be collected this year.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

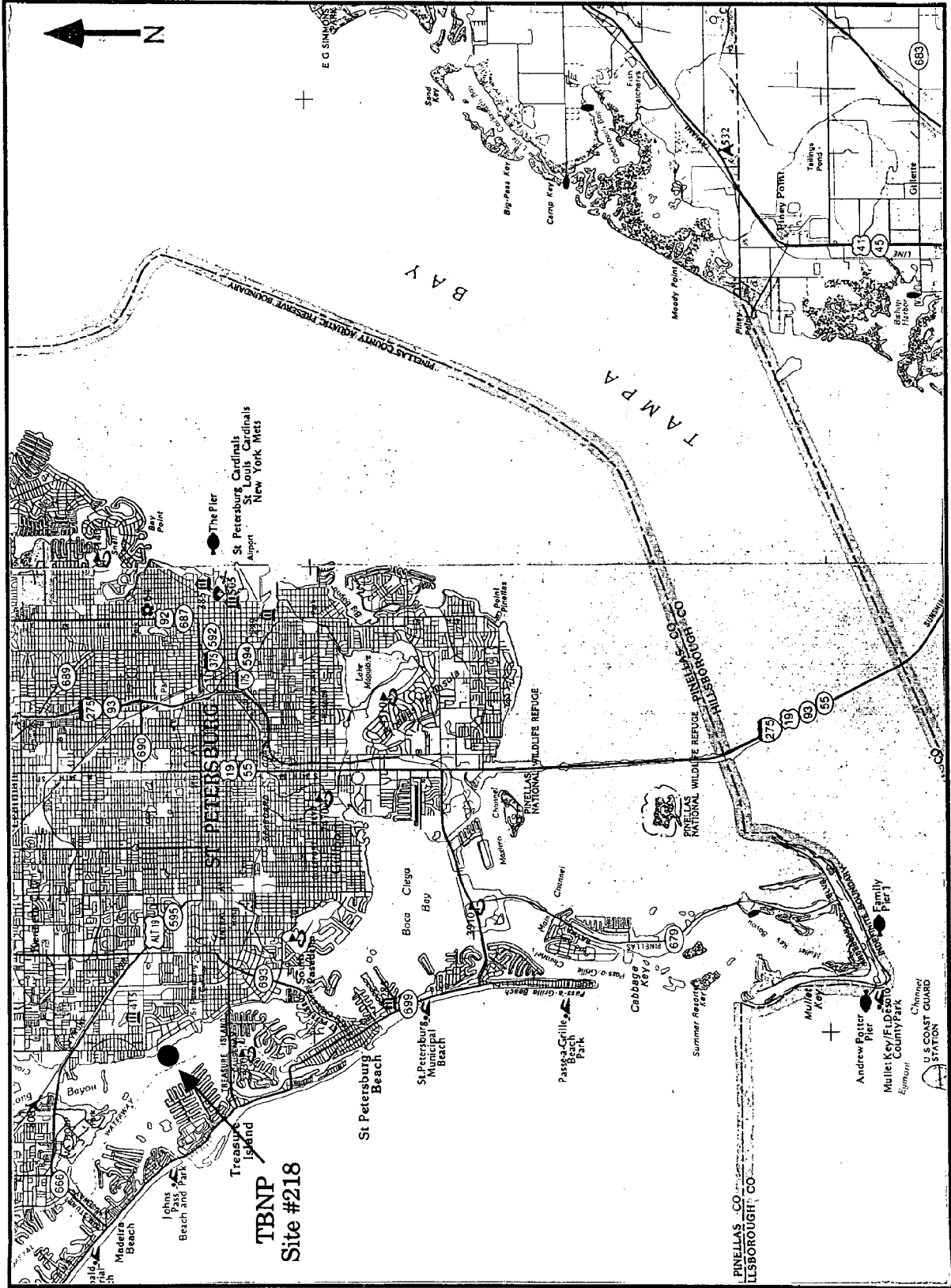
Oysters - hand  
Sediments - N/A

**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - Several sources for contamination were possible, such as urban runoff and pollution from marine boat traffic.

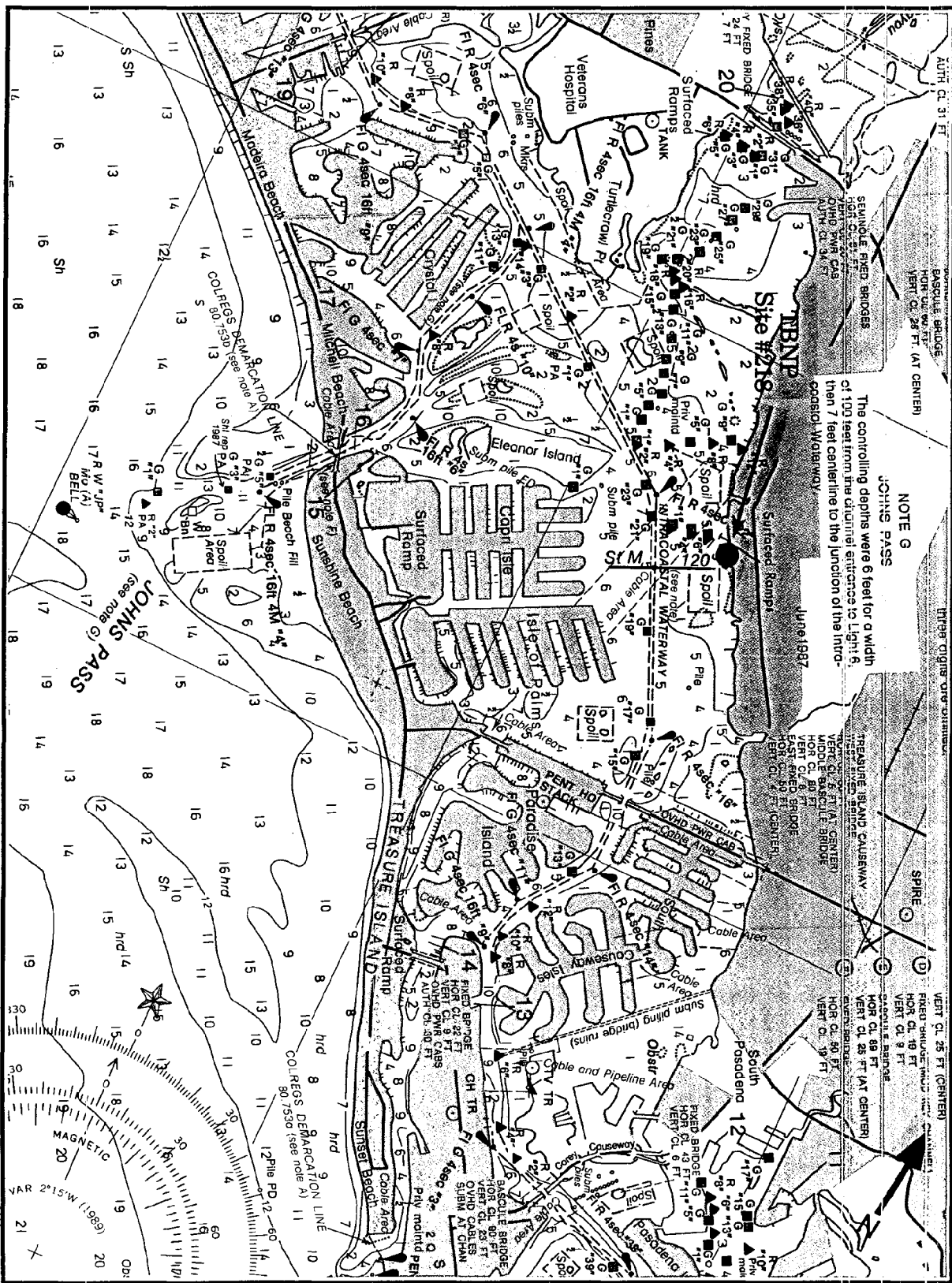
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A

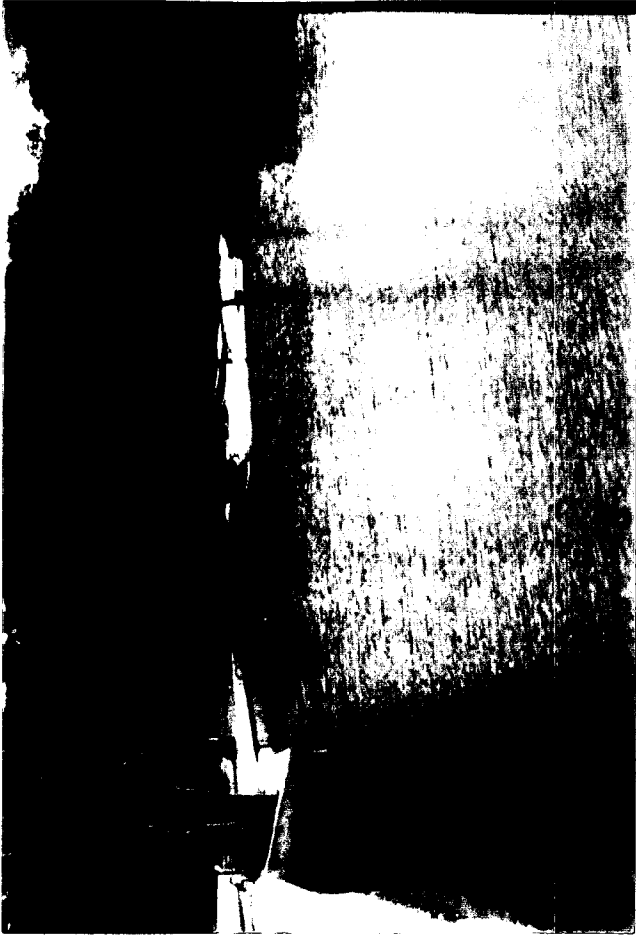


**TBPNP**  
**Site #218**

Site #218 (TBPNP), Navarez Park, Tampa Bay.



Site #218 (TBNP), Navarez Park, Tampa Bay (from chart 11411).



Site #218 (TBNP), Navarez Park, Tampa Bay.





**GERG SITE NUMBER - 219**

**DESIGNATOR - CKBP**

**SITE - BLACK POINT, CEDAR KEY, FL**

**NOMINAL SITE CENTER - 29°12.40'N 83°04.17'W**

**LOCATED ON NOS CHART # - 11408**

**SITE ACCESS** - The site is accessed off U.S. Hwy. 98 south. Turn west (left) onto Hwy. 24 towards Cedar Key, then north (right) onto Hwy. 347. Then turn west (left) again onto Hwy. 326 and drive to the end of the surfaced road, then proceed down the sand road to the carpark at the shell mound.

**SITE DESCRIPTION** - The site sits at the end of a small shell promontory, surrounded by marshland and mudflats. Station 1 is located 50 meters west of the carpark, Station 2 is 50 meters south of the carpark and Station 3 is 100 meters east of the carpark. The oysters were found in small clusters and reefs along the edges of the mudflats. This site is very easy to sample at low tide.

**OYSTER COLLECTIONS**

*1995* Small to medium sized oysters were abundant throughout the area. There was a good crop of spat, along with some barnacles and mussels.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

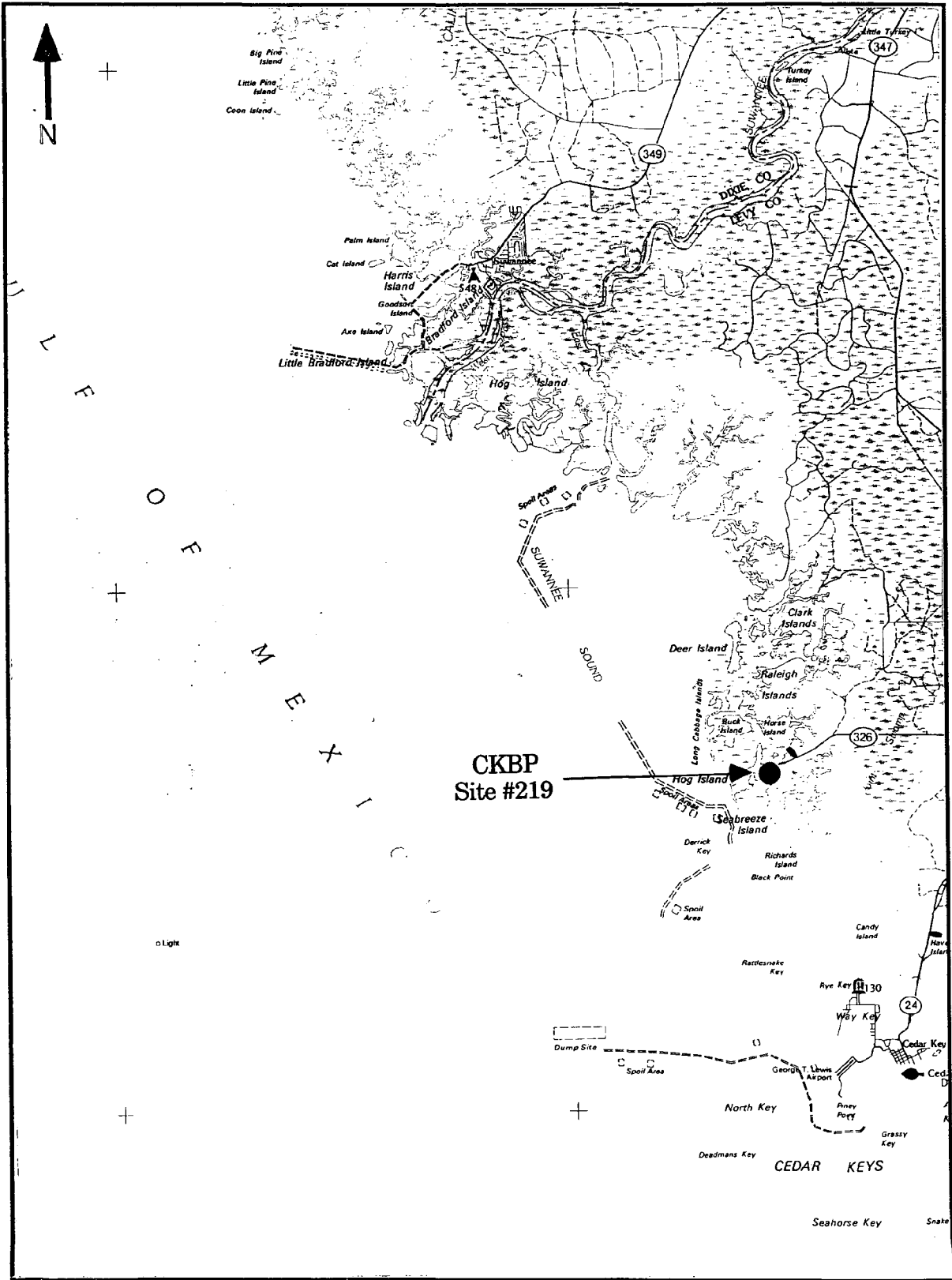
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - The site was mainly open water and no obvious point sources of contamination were observed. The site is miles away from any habitation, industry or port facility of any size. Effluents from Suwannee River may influence the site.

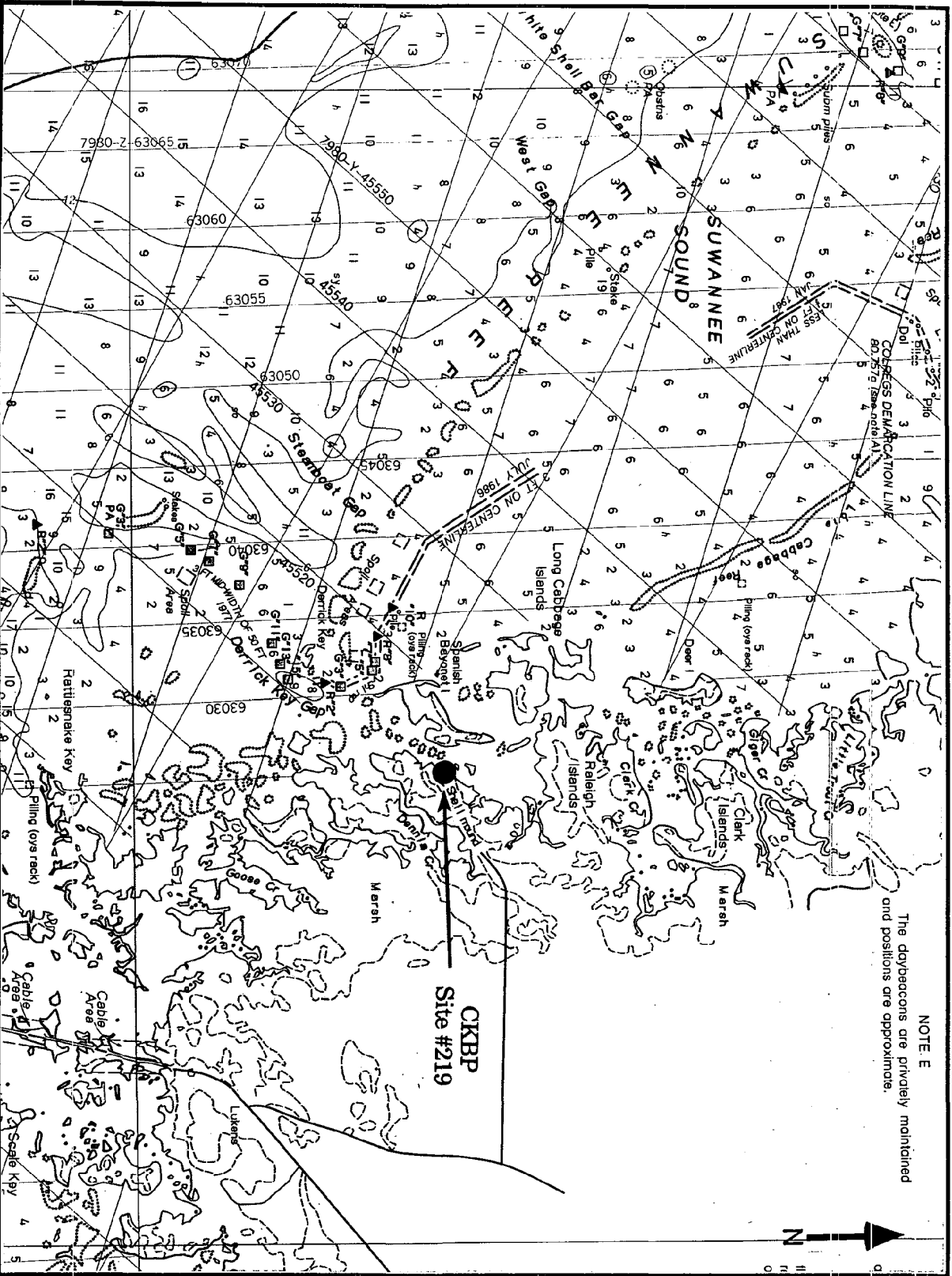
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	12.0	7.0	21 January 1995



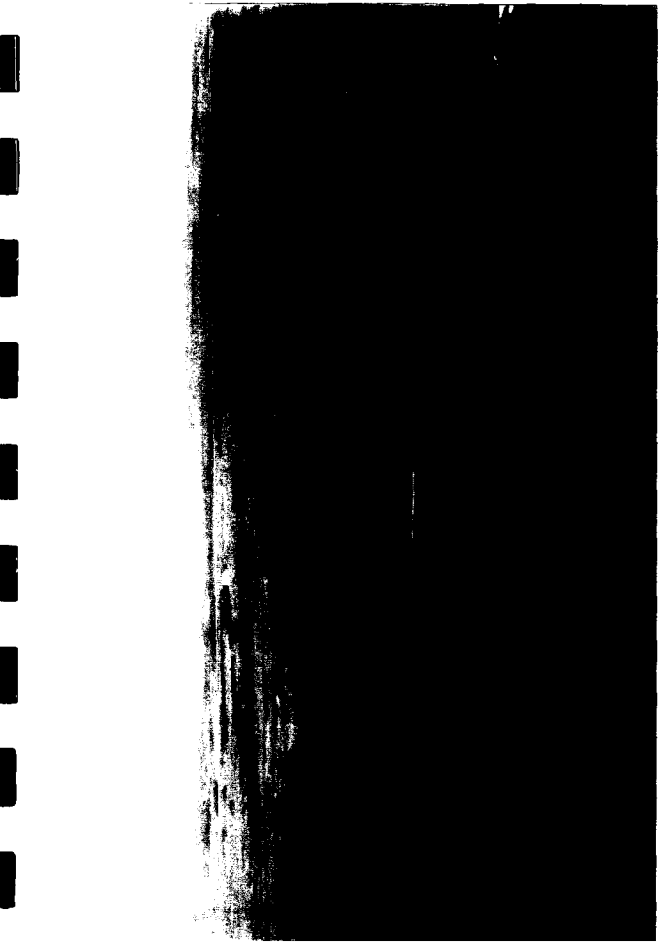
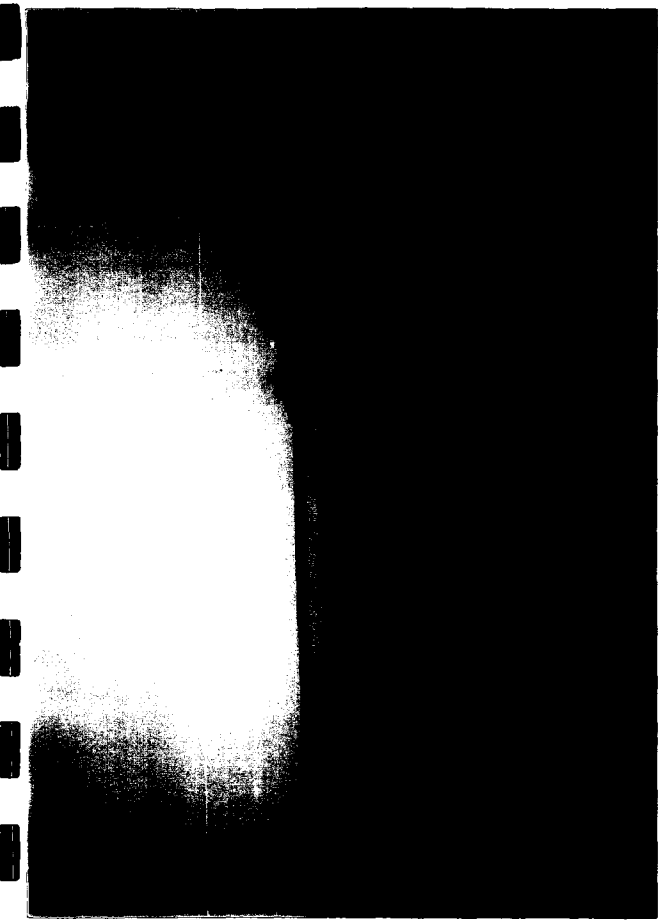


Site #219 (CKBP), Black Point, Cedar Key.



NOTE E  
 The daybeacons are privately maintained  
 and positions are approximate.

Site #219 (CKBP), Black Point, Cedar Key (from chart 11408).



Site #219 (CKBP), Black Point, Cedar Key.



**GERG SITE NUMBER - 220**

**DESIGNATOR - SRWP**

**SITE - WEST PASS, SUWANNEE RIVER, FL**

**NOMINAL SITE CENTER - 29°19.75'N 83°10.45'W**

**LOCATED ON NOS CHART # - 11408**

**SITE ACCESS** - This site is accessible only by small boat, launched at the Suwannee Marina located near the middle of the town. From the boat ramp, proceed southwest to the first channel to the north. Proceed slowly up the channel which passes through Suwannee. The channel passes under a bridge then bends left, passes under another bridge and then turns left and then right. Turn north at the last house on the right into another channel and proceed until it intersects a channel with navigation markers. Proceed out to red channel marker "20" and go north for ~2 km to Cat Island.

**SITE DESCRIPTION** - Oysters are collected along the margins of Cat Island. There are numerous reefs east of Cat Island and they are all exposed at low tide. The margins of the islands are covered with *Spartina alterniflora*. Oyster Station 1 is located on the northeast shore of Cat Island, between a topless palm and a pole in the water. At low tide, the reef is exposed and oysters can be collected by hand or tonged from the deeper water. Station 2 is a subtidal reef with an exposed intertidal portion. It is located between Cat Island and a small island to the northeast. Station 3 is about 50 meters north of Station 1, on the north side of the same reef.

**OYSTER COLLECTIONS**

1995 This site was not scheduled to be collected this year.

**SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

**SAMPLING METHODS**

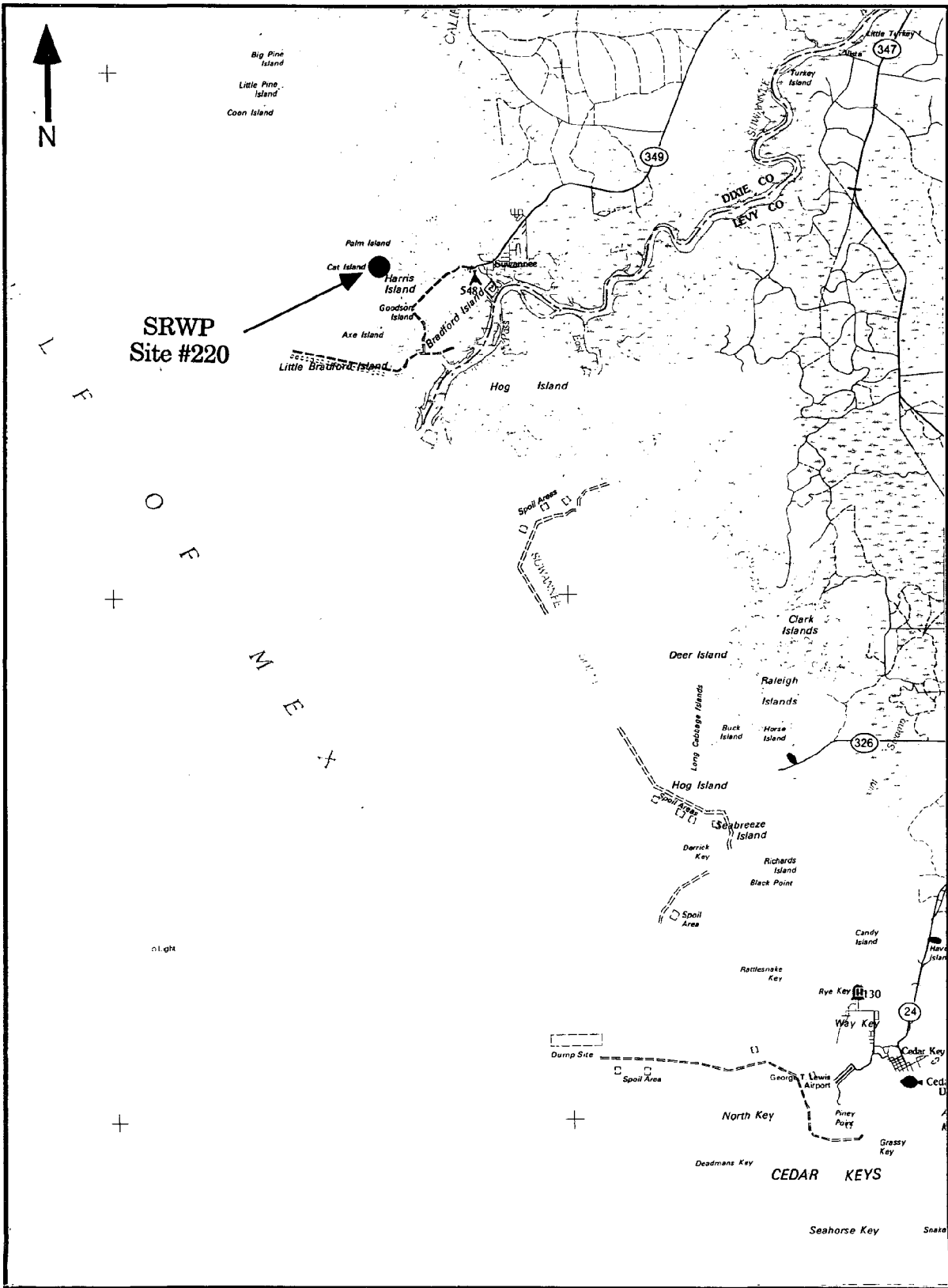
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There are no obvious visible point sources of contamination in the area.

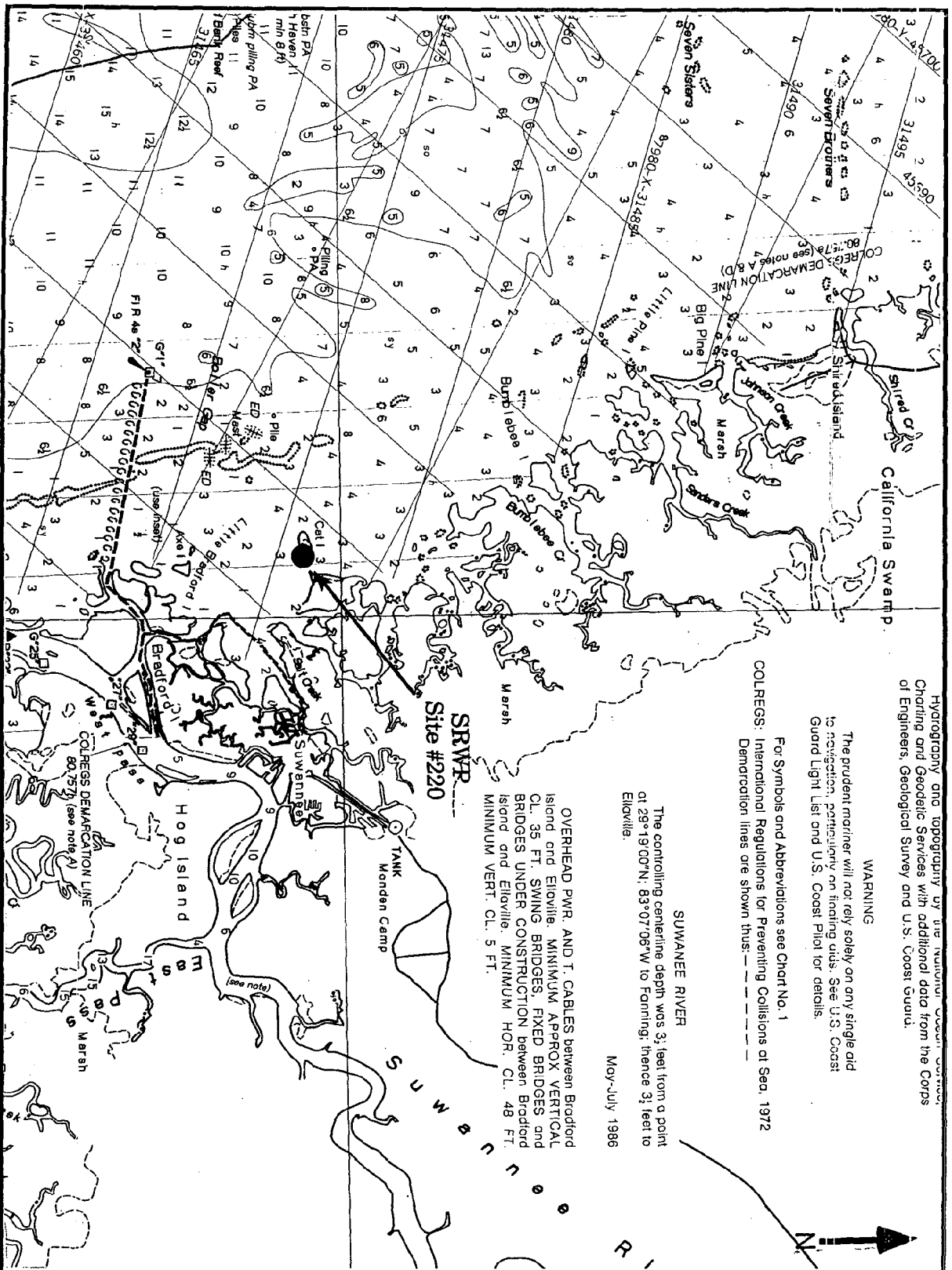
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



Site #220 (SRWP), West Pass, Suwannee River.





Hydrography and topography by the National Ocean Service  
 Charting and Geodetic Services with additional data from the Corps  
 of Engineers, Geological Survey and U.S. Coast Guard.

**WARNING**  
 The prudent mariner will not rely solely on any single aid  
 to navigation, particularly on floating aids. See U.S. Coast  
 Guard Light List and U.S. Coast Pilot for details.

For Symbols and Abbreviations see Chart No. 1  
 COLREGS: International Regulations for Preventing Collisions at Sea, 1972  
 Demarcation lines are shown thus: - - - - -

**SUWANNEE RIVER**  
 The controlling centerline depth was 3; feet from a point  
 at 29°19'00"N, 83°07'05"W to Farming, thence 3; feet to  
 Elaville.  
 May-July 1986

**SRWP**  
**Site #220**  
 OVERHEAD PWR. AND T. CABLES between Bradford  
 Island and Elaville. MINIMUM APPROX VERTICAL  
 CL. 35 FT. SWING BRIDGES, FIXED BRIDGES and  
 BRIDGES UNDER CONSTRUCTION between Bradford  
 Island and Elaville. MINIMUM HOR. CL. 48 FT.  
 MINIMUM VERT. CL. 5 FT.

Site #220 (SRWP), West Pass, Suwannee River (from chart 11408).



Site #220 (SRWP), West Pass, Suwanee River.



**GERG SITE NUMBER - 221**

**DESIGNATOR - AESP**

**SITE - SPRING CREEK, APALACHEE BAY, FL**

**NOMINAL SITE CENTER - 30°03.80'N 84°19.32'W**

**LOCATED ON NOS CHART # - 11405**

**SITE ACCESS** - To reach the site, turn right off of U.S. Highway 98 east onto Hwy. 375. Then turn right again (south) onto Hwy. 365 and drive to the end of the road. The Spears Seafood Company, at the end of the road, has a boat ramp that can be used with permission. Proceed out down the marked channel to the site.

**SITE DESCRIPTION** - This site is located on the west side of Apalachee Bay, where Spring Creek enters Oyster Bay. The sampling stations are located in the midst of a very prolific reef area. The nominal site center is located along an "S"-shaped reef, 300 meters south of channel markers "31" and "32", and northwest to southwest of channel markers "29" and "30".

**OYSTER COLLECTIONS**

*1995* Small oysters were abundant across the entire length of the reef. Only a few spat were seen, along with some mussels.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHODS**

Oysters - hand  
Sediment - N/A

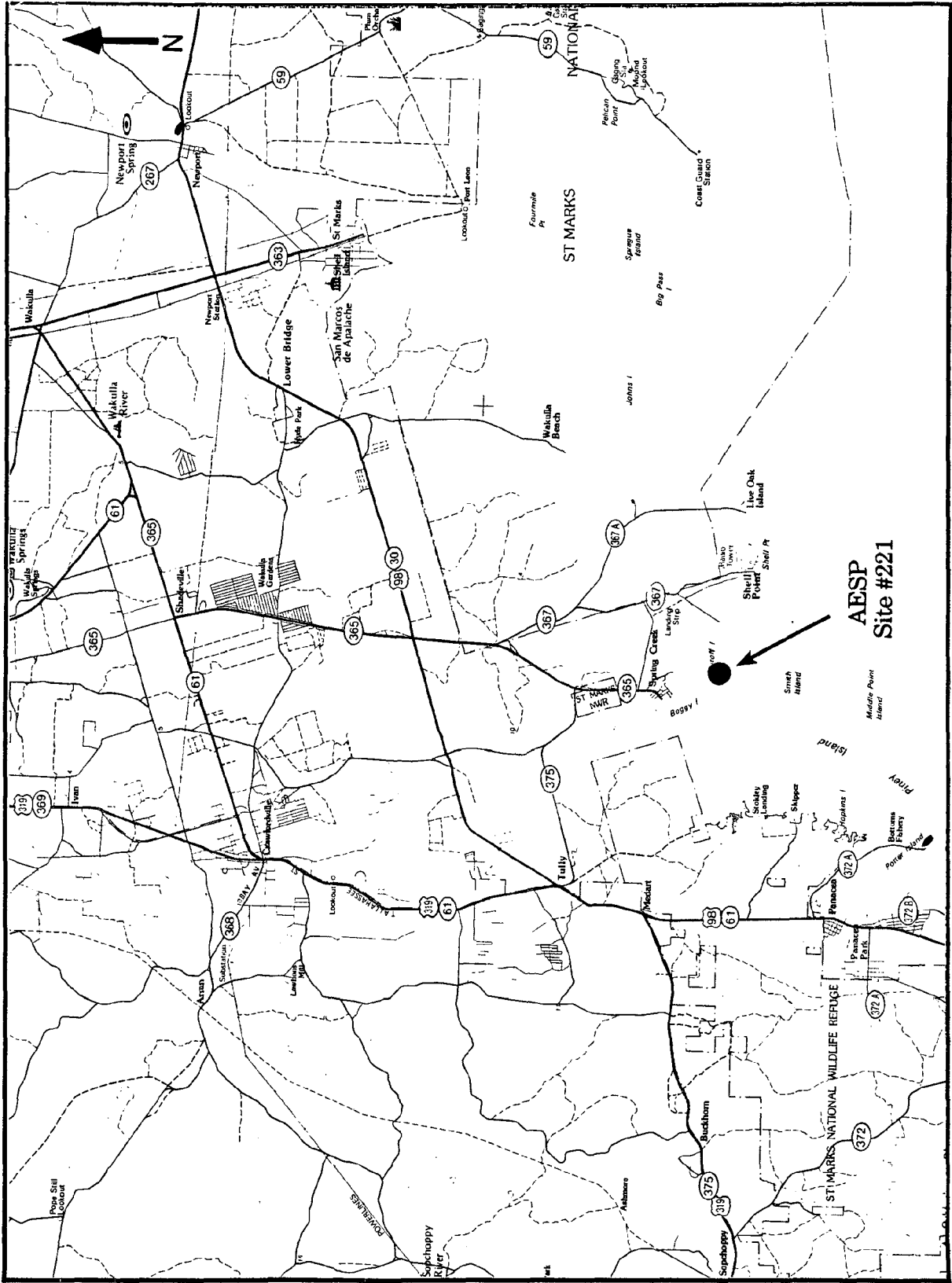
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There were no obvious point sources of contamination, although the site was located in waters which were closed and/or conditional to shellfish harvesting regulations.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	17.0	17.0	19 January 1995

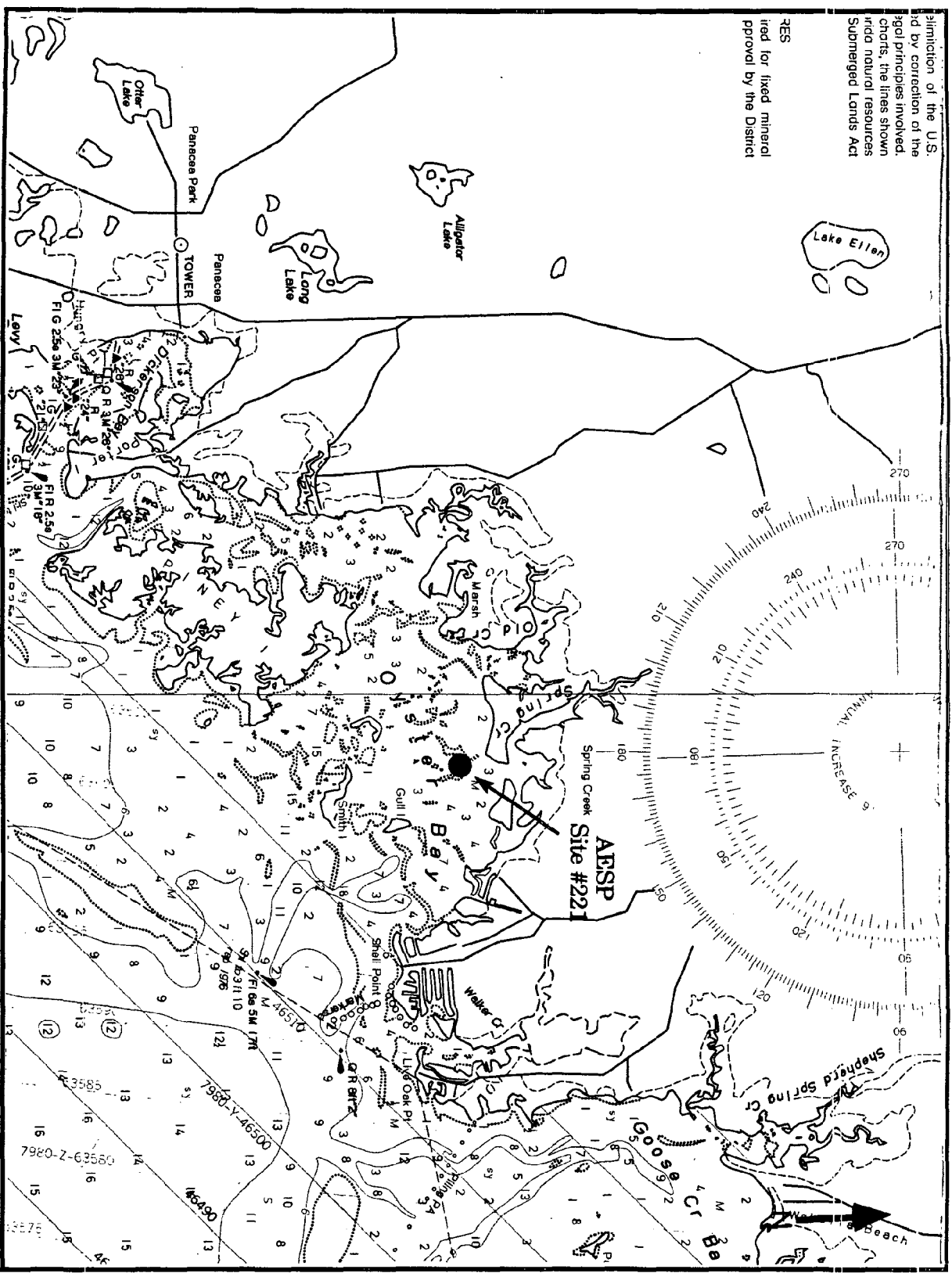




Site #221 (AESP), Spring Creek, Apalachee Bay.

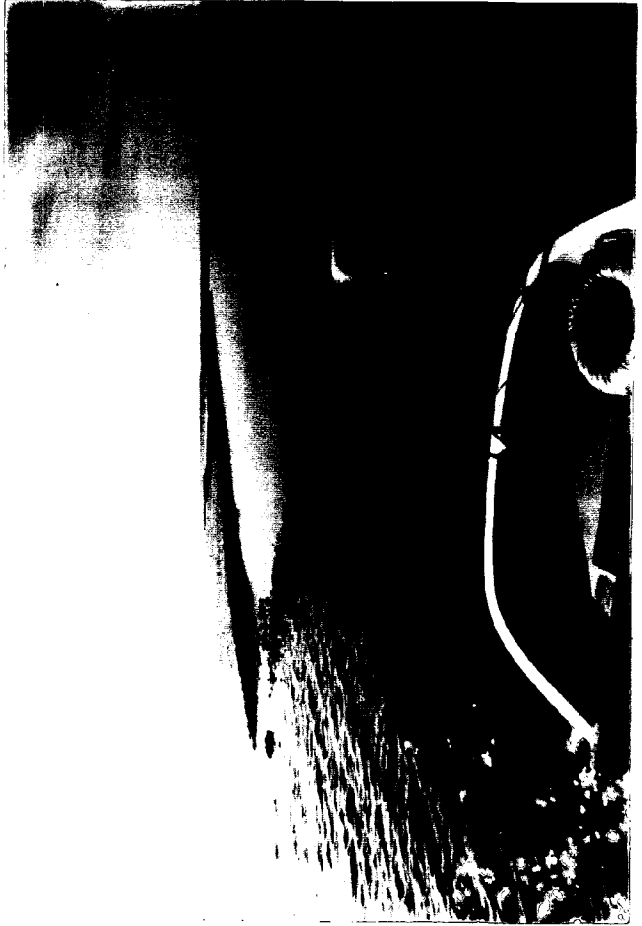
limitation of the U.S. and by correction of the legal principles involved. Charts, the lines shown indicate natural resources Submerged Lands Act

RES  
ied for fixed mineral approval by the District



Site #221 (AESP), Spring Creek, Apalachee Bay (from chart 11405).

Site #221 (AESP), Spring Creek, Apalachee Bay.



**GERG SITE NUMBER - 222**

**DESIGNATOR - APCP**

**SITE - CAT PT. BAR, APALACHICOLA BAY, FL**

**NOMINAL SITE CENTER - 29°43.45'N 84°53.05'W**

**LOCATED ON NOS CHART # - 11404**

**SITE ACCESS** - This is a walk-up beach site, best done at low tide. It can be accessed by boat, when the tides are high. To reach the site from Highway 98, drive south on road G1A towards the toll booth. Turn left (east) on the dirt road to East Point Beach, just before the bridge toll booths. Park and walk to the East Point Beach, where the oysters can be picked up by hand at low tide. If the tide is high, the boat can be launched at one of the ramps on Highway 30, which is to the north-east of the site.

**SITE DESCRIPTION** - The site is located just to the east of Cat Point. The reef is exposed at low tide and is the major source for oysters in eastern Apalachicola Bay. At high tide the oysters can be collected by tonging, as oyster dredges are not permitted in Apalachicola Bay. Station 1 oysters were collected from the old bridge pilings, just to the east of the toll bridge. Station 2 oysters 100 meters to the north-northeast of the bridge, and Station 3 oysters were collected a further 100 meters to the north-northeast.

#### **OYSTER COLLECTIONS**

*1995* Small to medium sized oysters were abundant at the first station, whereas the other stations had medium to large sized oysters present in good numbers. The oysters all occurred in clusters.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

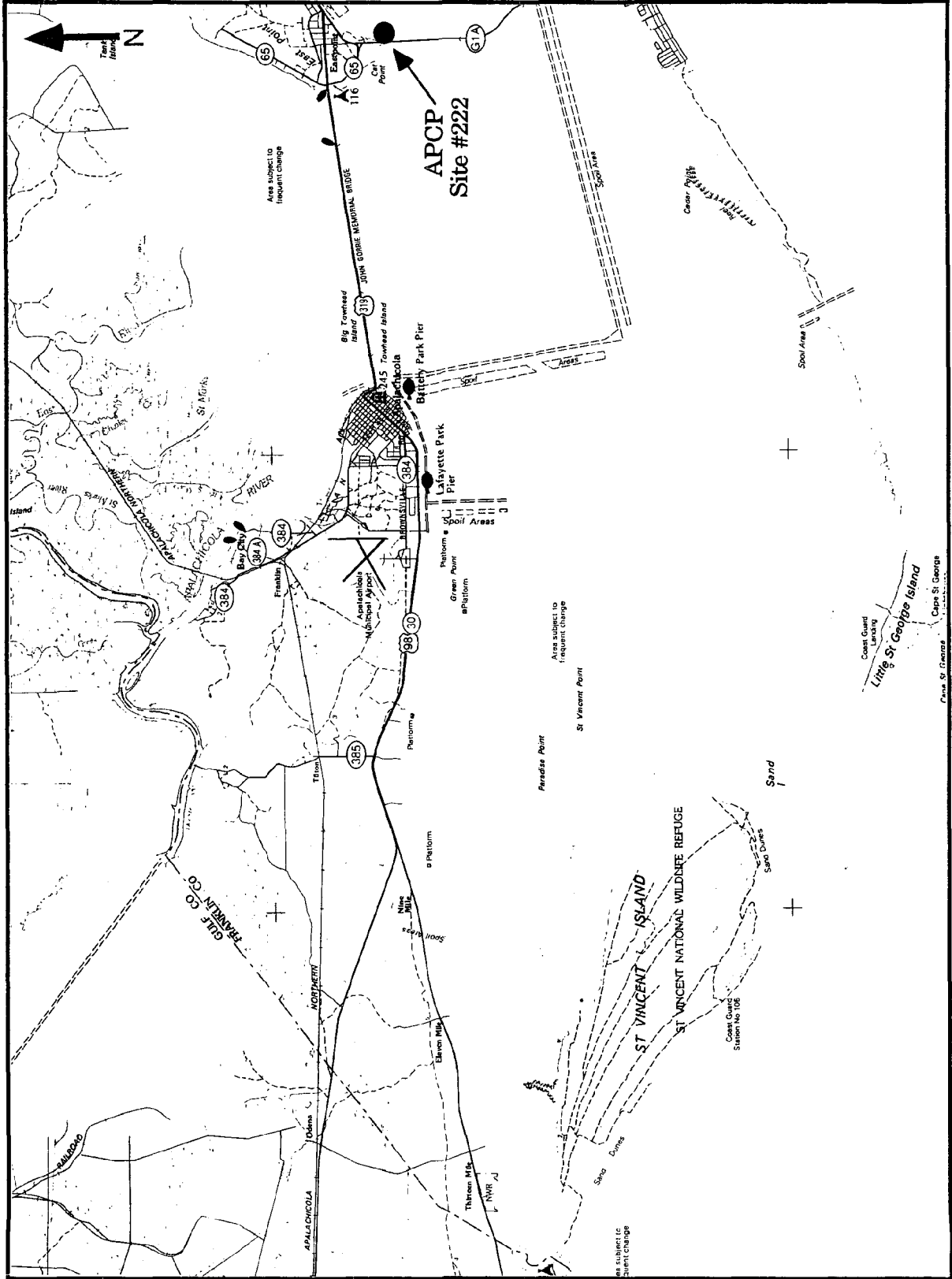
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There were no obvious visible point sources of contamination in the area.



**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	7.0	10.0	20 January 1995

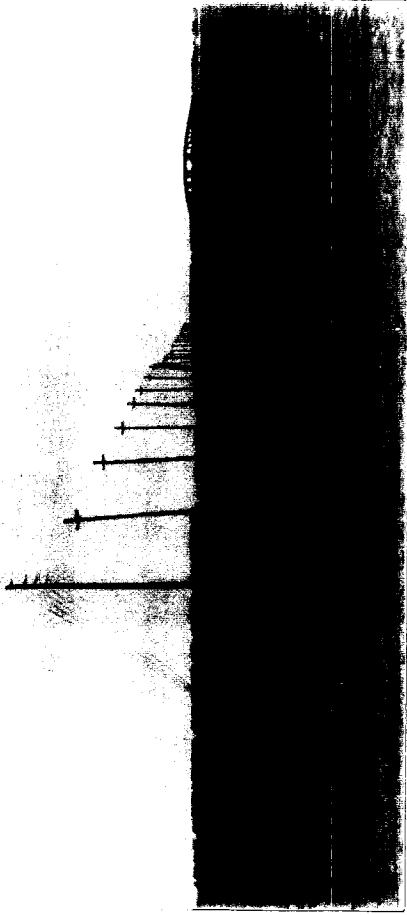
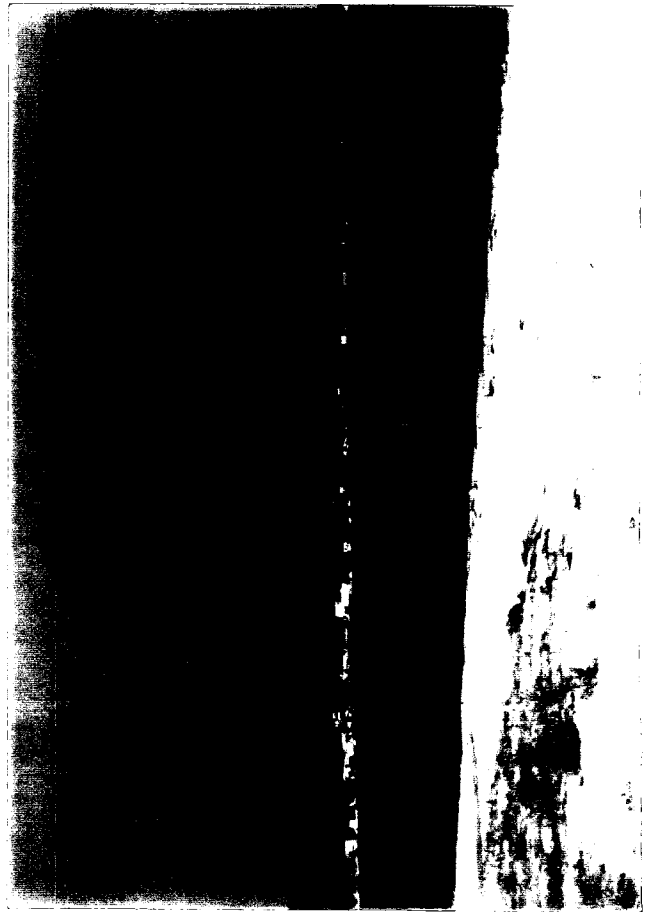


Site #222 (APCP), Cat Point Bay, Apalachicola Bay.





Site #222 (APCP), Cat Point Bay, Apalochicola Bay.



**GERG SITE NUMBER - 223**

**DESIGNATOR - APDB**

**SITE - DRY BAR, APALACHICOLA BAY, FL**

**NOMINAL SITE CENTER - 29°40.35'N 85°03.94'W**

**LOCATED ON NOS CHART # - 11402**

**SITE ACCESS** - The site is accessed by a 30 minute boat ride originating at the boat ramp in Apalachicola, near the southwest end of the John Gorrie Memorial Bridge. Proceed west along the inside channel to the first channel going south into Apalachicola Bay. Run a compass course (bearing 250°) about 7 miles to the northeast end of St. Vincent Island, at St. Vincent Point.

**SITE DESCRIPTION** - The site was located on the northeast corner of St. Vincent Island, at St. Vincent Point. The oysters are located north of the point, on an intertidal shell and sand reef. Station 1 is about 300 meters east of the point on the reef, Station 2 a further 100 meters northeast and Station 3 yet another 100 meters to the northeast.

**OYSTER COLLECTIONS**

*1995* Medium to large sized oysters were abundant along the length of the reef, occurring in singles and clusters. Barnacles, and a thick growth of algae, covered the oysters.

**SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

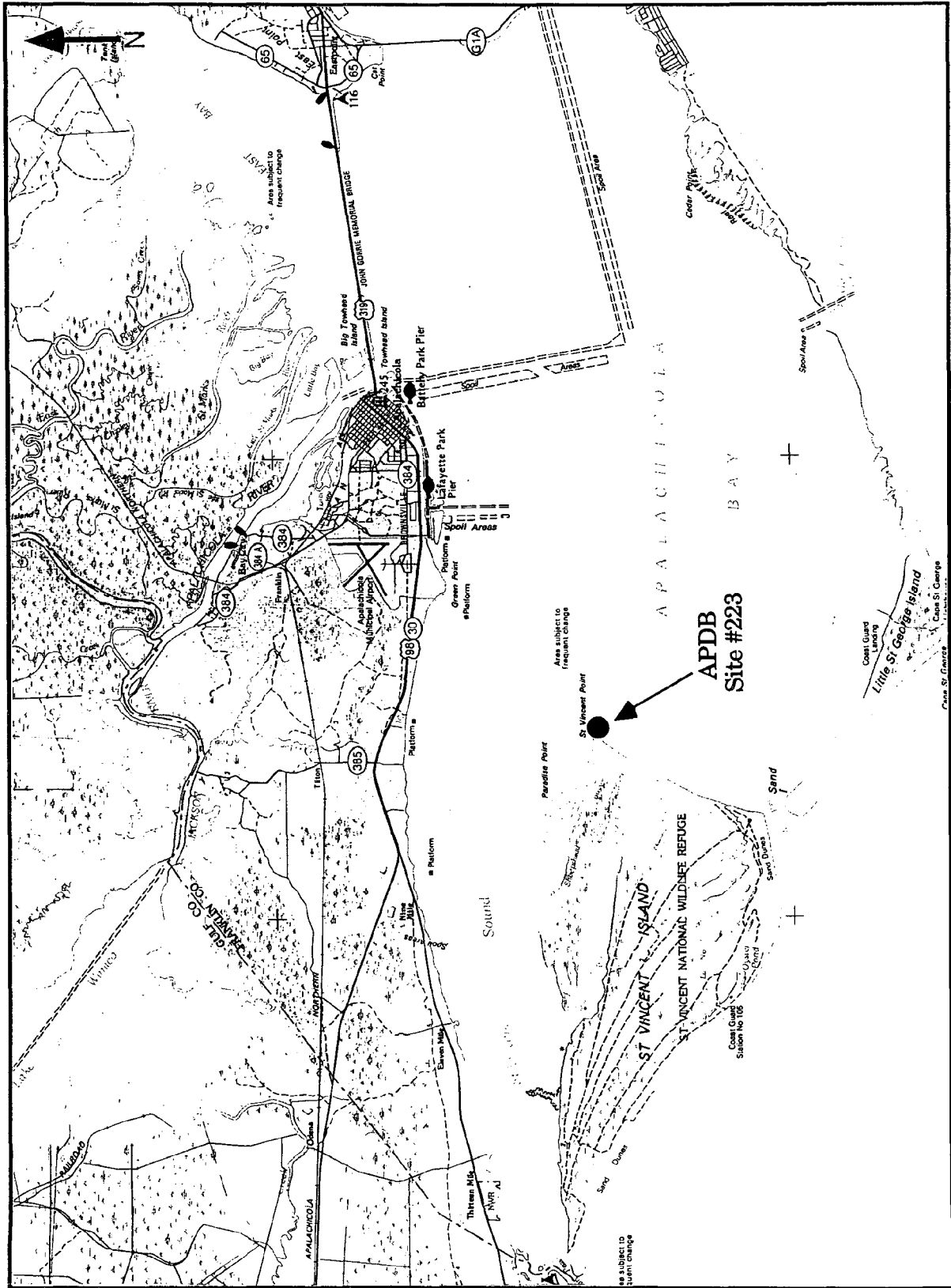
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - Contamination factors included the pollutants from the Apalachicola River, a rusty iron dump near the site, and barge traffic in the ICWW.

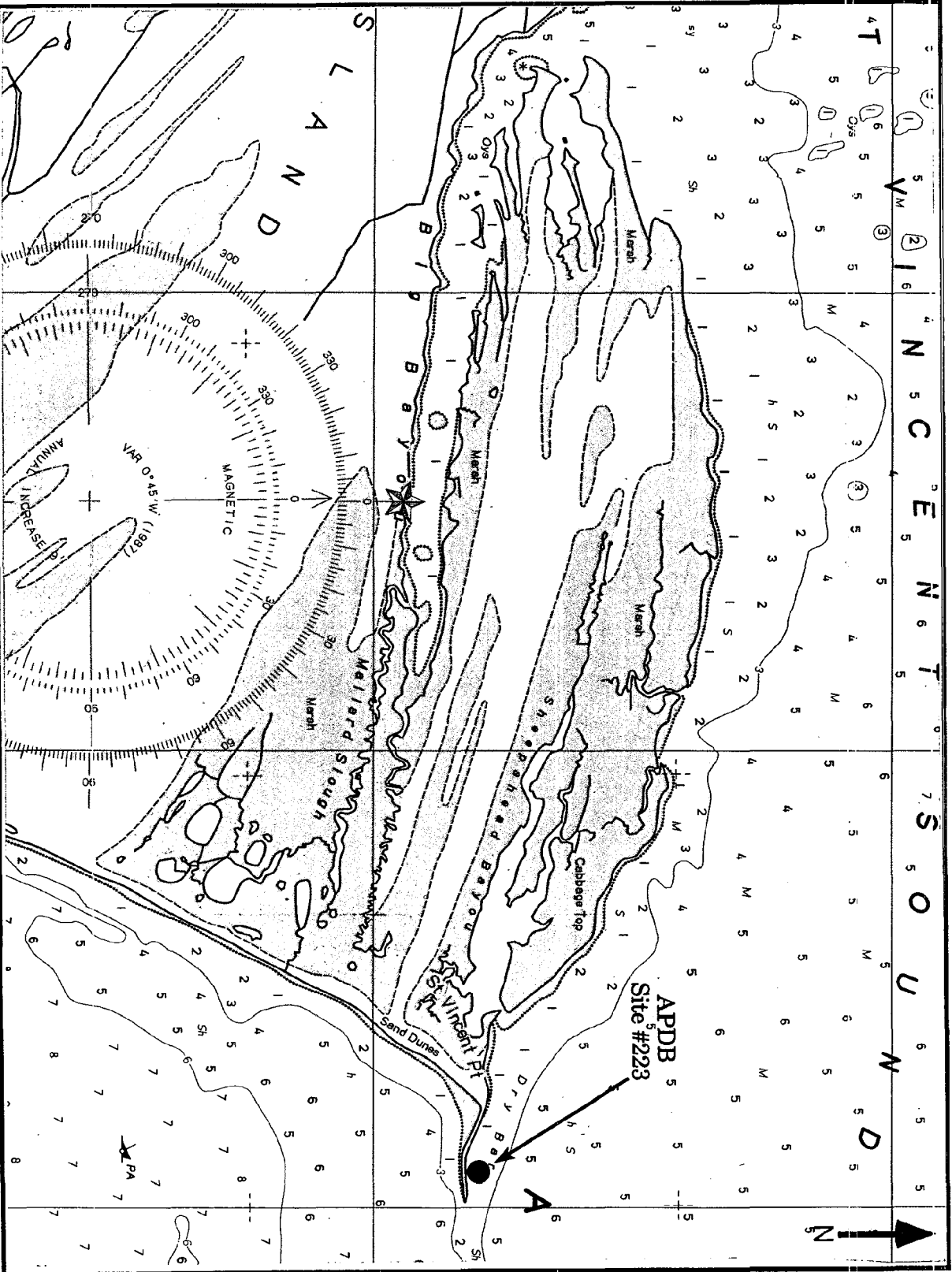
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	29.0	14.5	20 January 1995



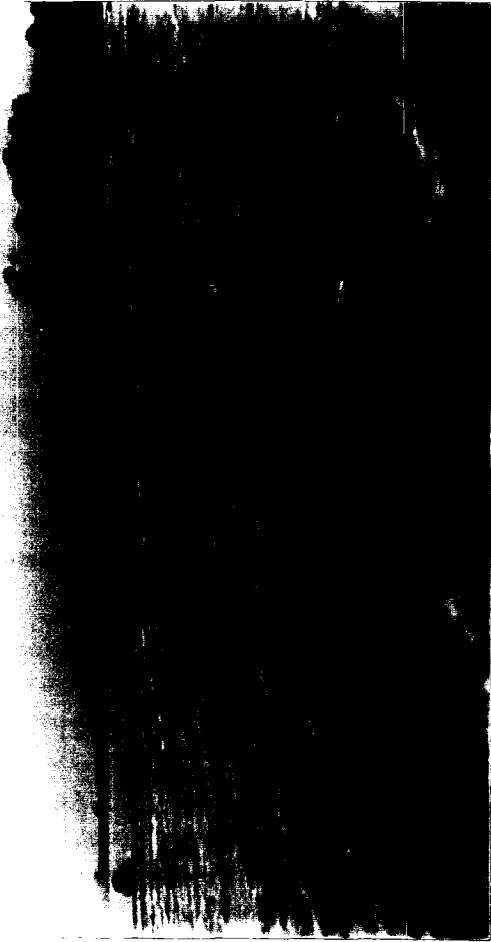


Site #223 (APDB), Dry Bar, Apalachicola Bay.



Site #223 (APDB), Dry Bar, Apalachicola Bay (from chart 11402).





Site #223 (APDB), Dry Bar, Apalachicola Bay.



**GERG SITE NUMBER - 224**

**DESIGNATOR - SAWB**

**SITE - WATSON BAYOU, ST. ANDREW BAY, FL**

**NOMINAL SITE CENTER - 30° 08.55'N 85°37.93'W**

**LOCATED ON NOS CHART # - 11390**

**SITE ACCESS** - The station is located in Watson Bayou, which is located east of the Bay City Marina in Panama City. The site is accessed by boat launched at the Municiple Boat Ramp. Proceed east down the ICWW to the green channel marker "25", then go north into Watson Bayou. The site is located on the first promontory on the right (east side) after entering the Bayou, next to an old boat repair ramp.

**SITE DESCRIPTION** - The oysters were attached to rocks and debris along the shoreline of the promontory, next to a former shipyard just west of the old barge dock on the paper mill channel. Station 1 oysters were collected 50 meters north-northwest of the old ramp, Station 2 oysters were collected just to the west-southwest of the ramp, while Station 3 oysters were collected 50 meters to the west-southwest of the ramp.

#### **OYSTER COLLECTIONS**

1995 Small to medium sized oysters were fairly abundant across the entire site, occurring in singles and clusters. No spat were observed amongst the barnacles growing on the oysters.

#### **SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediments - N/A

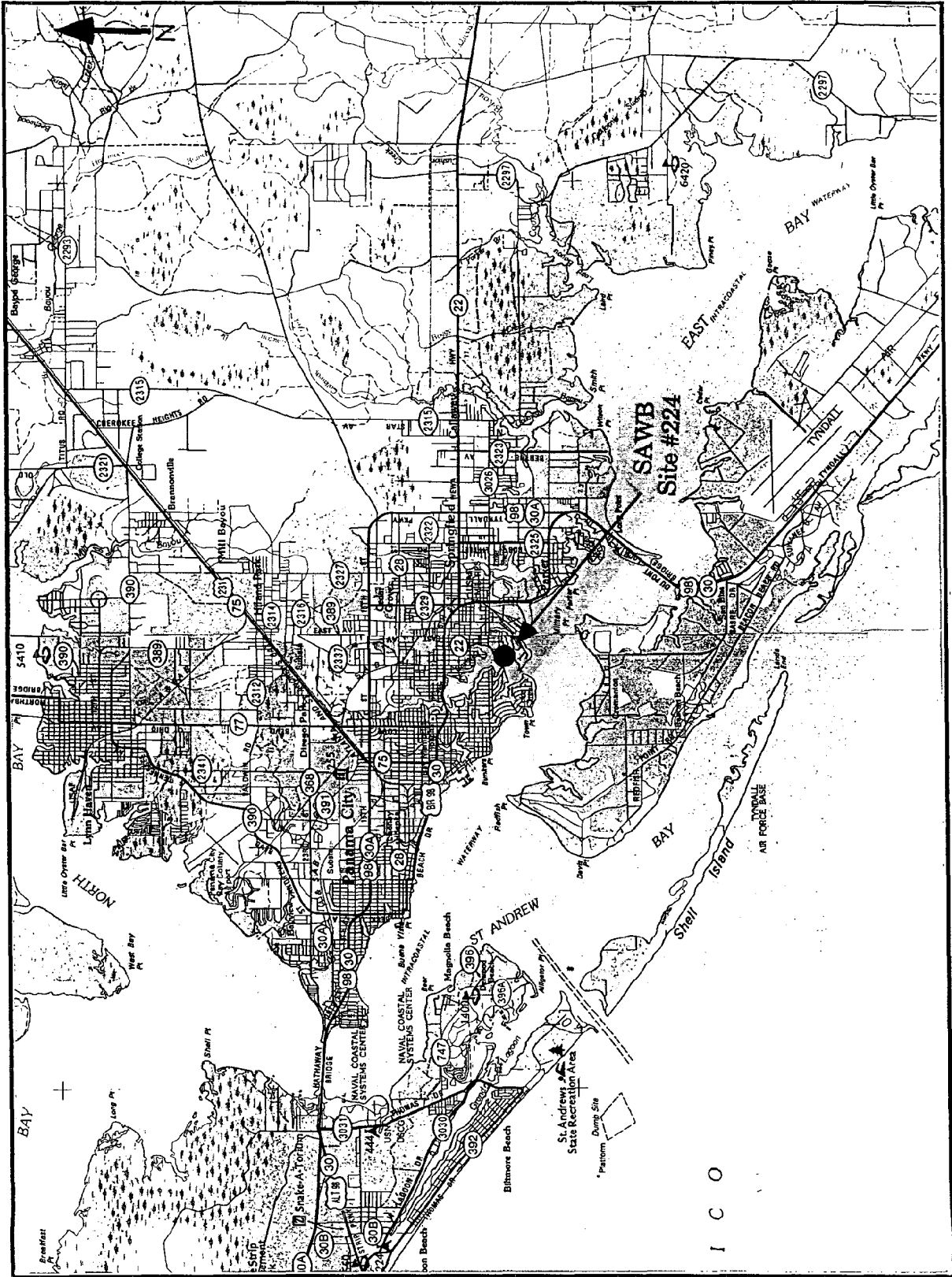
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - Probable contamination would be expected from the dockage facilities around the corner from the site, fuel oil storage and transfer facilities around the embayment, and the effluents from the paper mill.

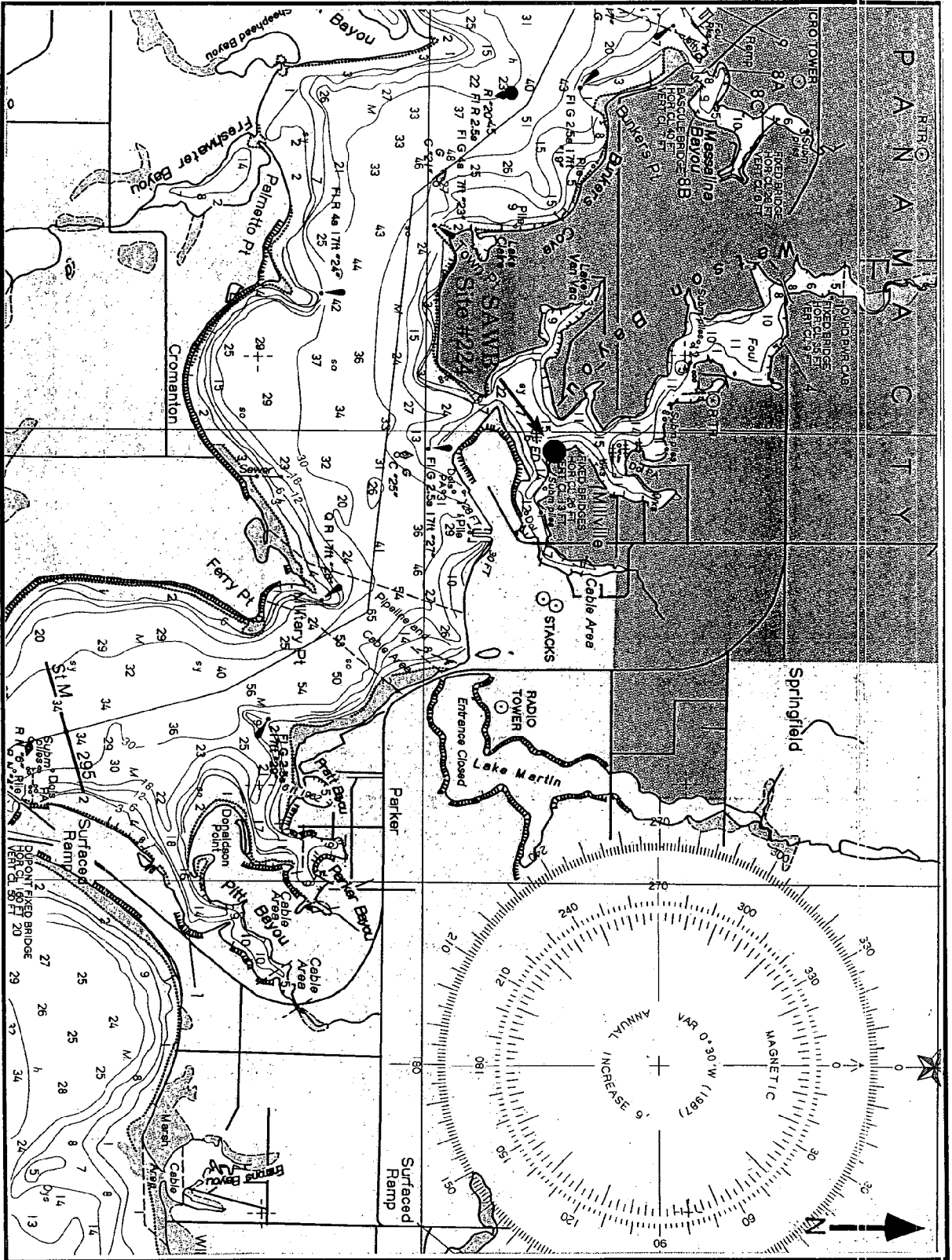
#### **ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	35.0	15.5	19 January 1995





Site #224 (SAWB), Watson Bayou, St. Andrew Bay.



Site #224 (SAWB), Watson Bayou, St. Andrew Bay (from chart 11390).



Site #224 (SAWB), Watson Bayou, St. Andrew Bay.



**GERG SITE NUMBER - 225**

**DESIGNATOR - PCMP**

**SITE - MUNICIPAL PIER, PANAMA CITY, FL**

**NOMINAL SITE CENTER - 30°09.07'N 85°39.78'W**

**LOCATED ON NOS CHART # - 11390**

**SITE ACCESS** - This station is located at the Bay City Marina in Panama City. A boat is necessary to collect this site, which can be launched at the public boat ramp right next to the marina. Proceed down West Beach Blvd. and turn right onto Harrison, before the bridge over the bayou. Turn left after the F4 Phantom display, and proceed to the corner of the carpark where the public boat ramp is located.

**SITE DESCRIPTION** - All three stations are located along the bulkhead walls of the marina, close to the entrance way. Station 1 was located inside the breakwater on the east side of the marina, Station 2 was located opposite Station 1 on the outside of the breakwater and Station 3 was located north of Station 2 and outside the breakwater. It was directly east of the parking lot, which is to the north of the boat ramp. The oysters were all collected from the concrete walls.

#### **OYSTER COLLECTIONS**

*1995* Small oysters were fairly abundant in singles and clusters, all with a heavy growth of barnacles covering them.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHODS**

Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

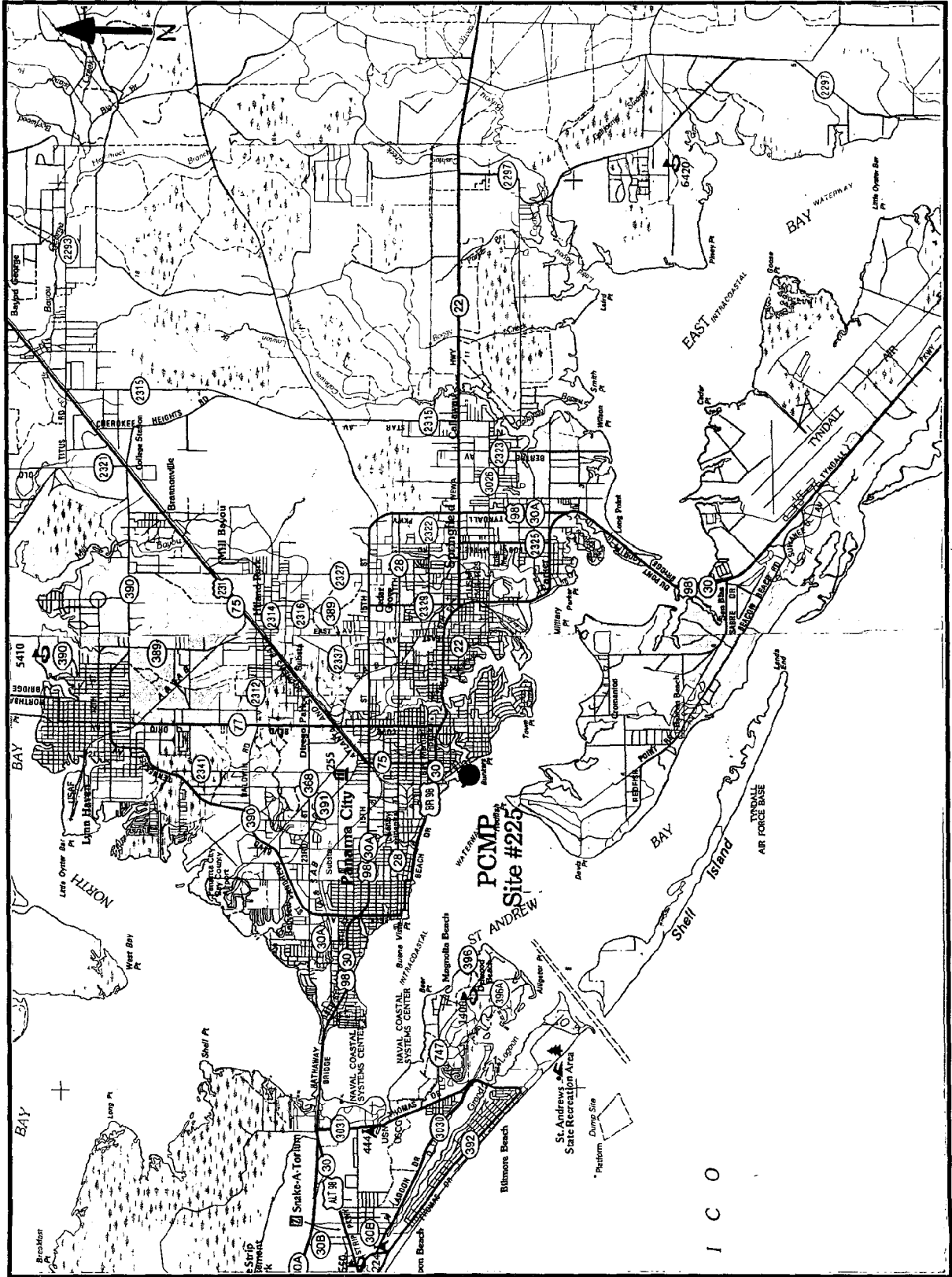
**POSSIBLE CONTAMINANTS** - Potential sources of contamination were likely from the boat traffic in the marina, as well as run-off from the nearby streets of downtown Panama City.

#### **ENVIRONMENTAL DATA**

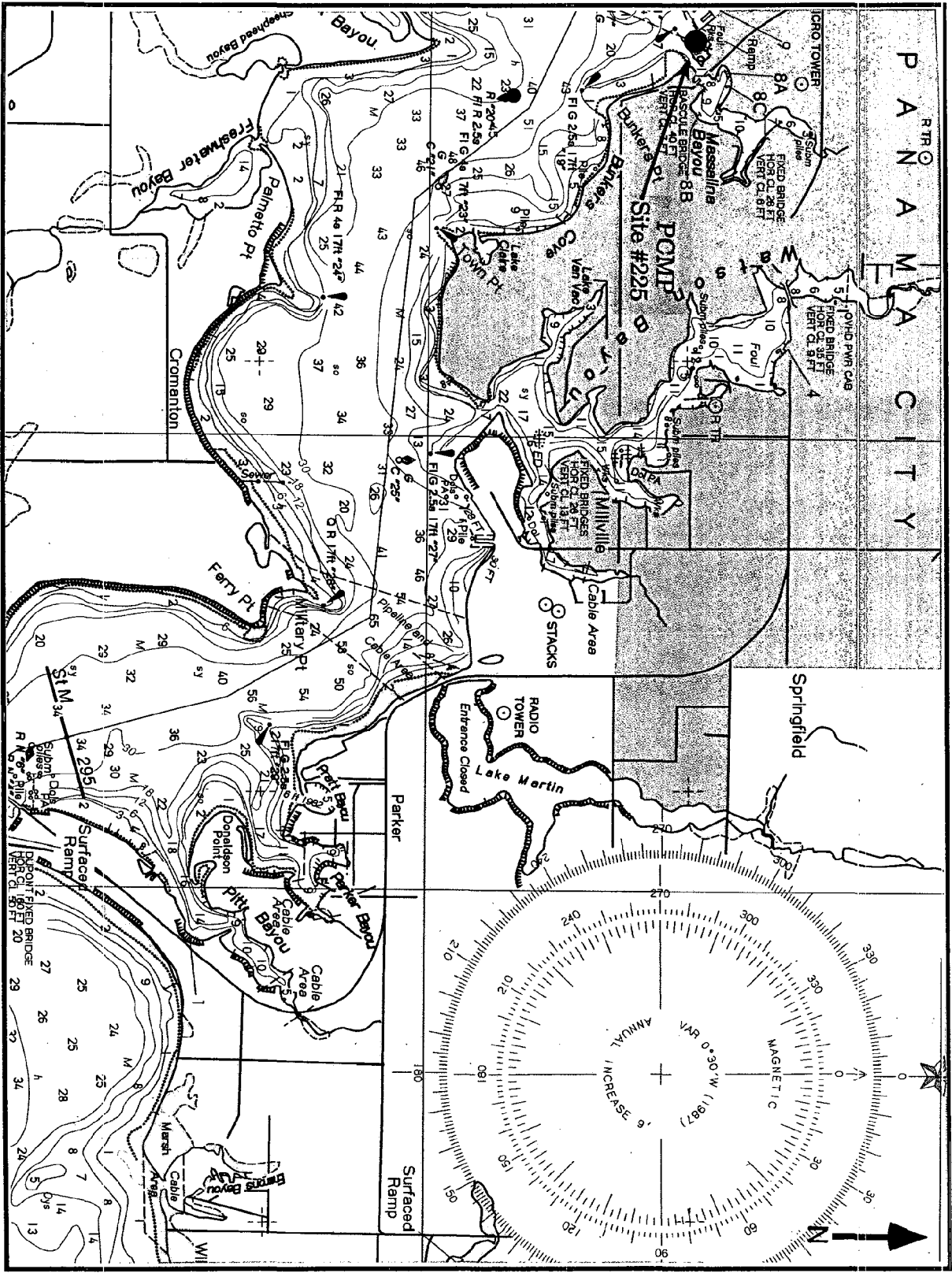
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	27.0	15.0	19 January 1995



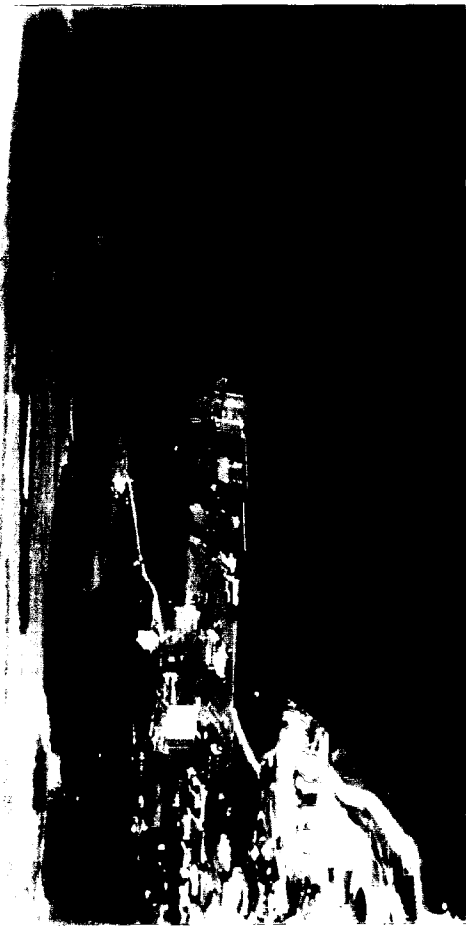




Site #225 (PCMP), Municipal Pier, Panama City.



Site #225 (PCMP), Municipal Pier, Panama City (from chart 11390).



Site #225 (PCMP), Municipal Pier, Panama City.



**GERG SITE NUMBER - 226**

**DESIGNATOR - PCLO**

**SITE - LITTLE OYSTER BAY, PANAMA CITY**

**NOMINAL SITE CENTER - 30°15.08'N 85°40.86'W**

**LOCATED ON NOS CHART # - 11390**

**SITE ACCESS** - Access to the site is via boat, launched at the Leslie Port Wayside Park boat ramp which is located on the north side of Panama City. Proceed north on Hwy. 77, from Hwy. 98, and the ramps are on the south side of the bridge over North bay (on the right hand side of the road). By boat, proceed west under the road bridge and on to Little Oyster Bay Point, a distance of some two miles.

**SITE DESCRIPTION** - The site is on the edge of the U.S. Air Force Petroleum Depot at Little Oyster Point. Oysters were taken from the concrete bases of the electrical high voltage transmission towers crossing the bay at Little Oyster Bar Point. Station 1 was located on the shoreline about 30 meters northwest of the tower on dry land. The oysters were attached to debris along the water's edge. Station 2 was the first tower from the south shore, southeast of red channel marker "6". Station 3 was the second tower out from the south shore, just to the east of channel marker "6". Station 1 could be collected as a walk-up station, but the other two stations have to be sampled from a boat. Station 2 & 3 oysters were attached to the concrete pilings of the electrical towers. The sediment site is located near the mouth of Mud Bayou, just to the east of West Bay Point. The oyster and sediment sites are separated across the bay, by a distance of about 2 miles.

#### **OYSTER COLLECTIONS**

*1995* Small to medium sized oysters were present in sufficient numbers to sample, though the population was thinly spread out over a wide area. All the oysters were covered with barnacles, and some spat.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHODS**

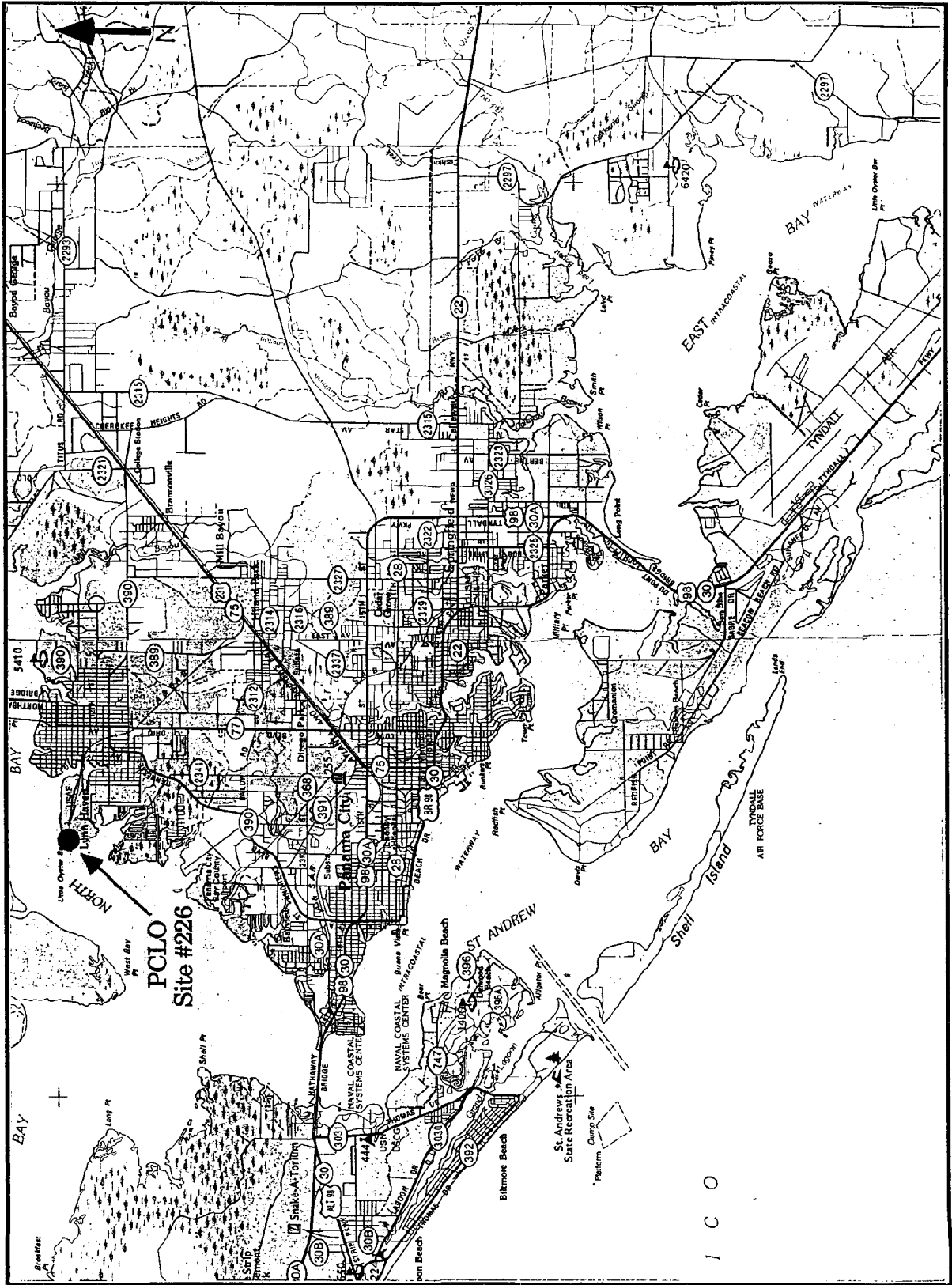
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

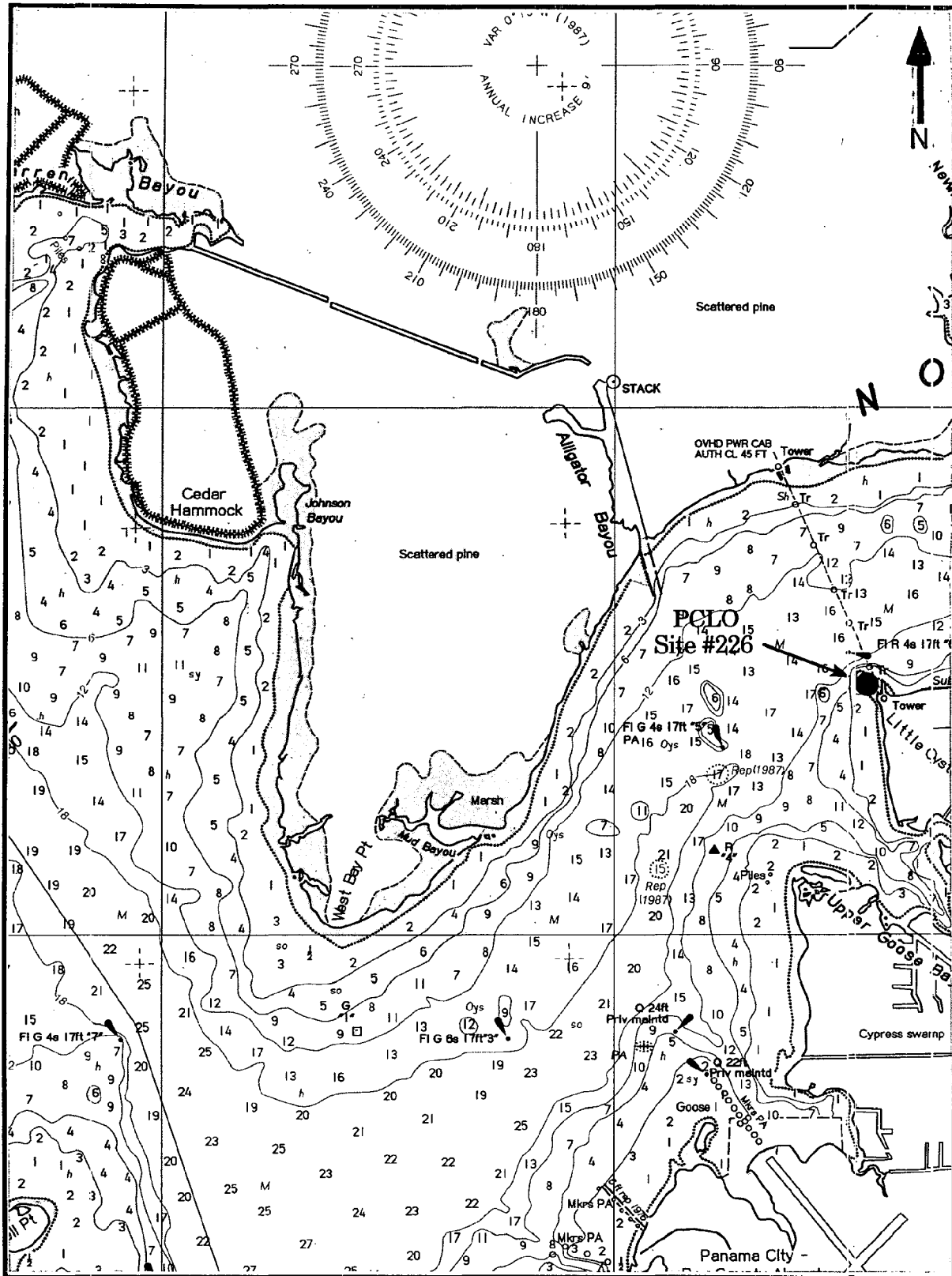
**POSSIBLE CONTAMINANTS** - Possible contamination included a military fuel depot at Little Oyster Bar Point, and a coal burning power plant across the bay.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	24.0	17.5	18 January 1995



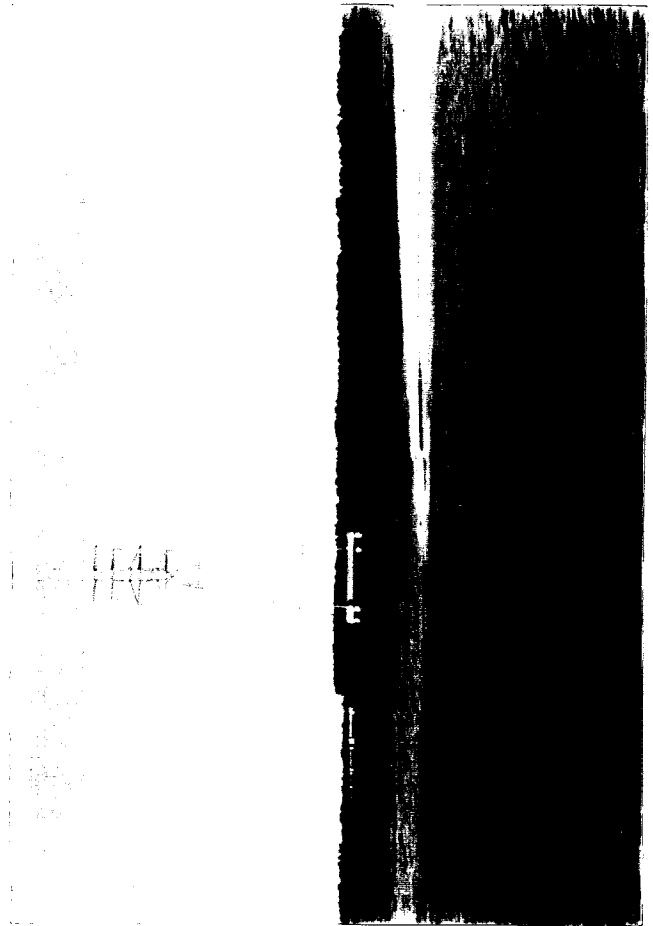
Site #226 (PCLO), Little Oyster Bay, Panama City.



Site #226 (PCLO), Little Oyster Bay, Panama City (from chart 11390).



Site #226 (PCLO), Little Oyster Bay, Panama City.





**GERG SITE NUMBER - 227**

**DESIGNATOR - CBSR**

**SITE - OFF SANTA ROSA, CHOCTAWHATCHEE BAY, FL**

**NOMINAL SITE CENTER - 30°24.70'N 86°12.28'W**

**LOCATED ON NOS CHART # - 11385**

**SITE ACCESS** - The site is located in the eastern portion of Choctawhatchee Bay, near the U.S. Highway 331 bridge. Access to the site is by boat, launched from ramps on either side of the south end of the bridge, crossing the Choctawatchee Bay. From the bridge, proceed west along the ICWW to the red channel marker "40".

**SITE DESCRIPTION** - The oyster reef is marked by wooden poles and white PVC pipes, and lies just south of the red ICWW channel marker "40". The reef is not continuous, and the patches of oysters have to be "poled" for. Dredging is not allowed by law, so that the oysters have to be tonged. Station 1 is located around the wooden pole at the southwest end of the reef, Station 2 lies between the two middle wooden poles and Station 3 is around the northeast wooden pole. An alternate sampling site is on the shoreline, where a small bayou enters the bay southeast from a large white house (30°24.35'N, 86°12.75'W). Here, the oysters are attached to rocks and a wooden bulwark around a large tree.

#### **OYSTER COLLECTIONS**

*1995* The oysters were all medium to large in size, and were found in singles and clusters scattered across the mud bottom. This site takes a while to sample, as the oysters have to be found and collected using tongs.

#### **SEDIMENT COLLECTIONS**

*1995* No sediment samples were collected this year.

#### **SAMPLING METHOD**

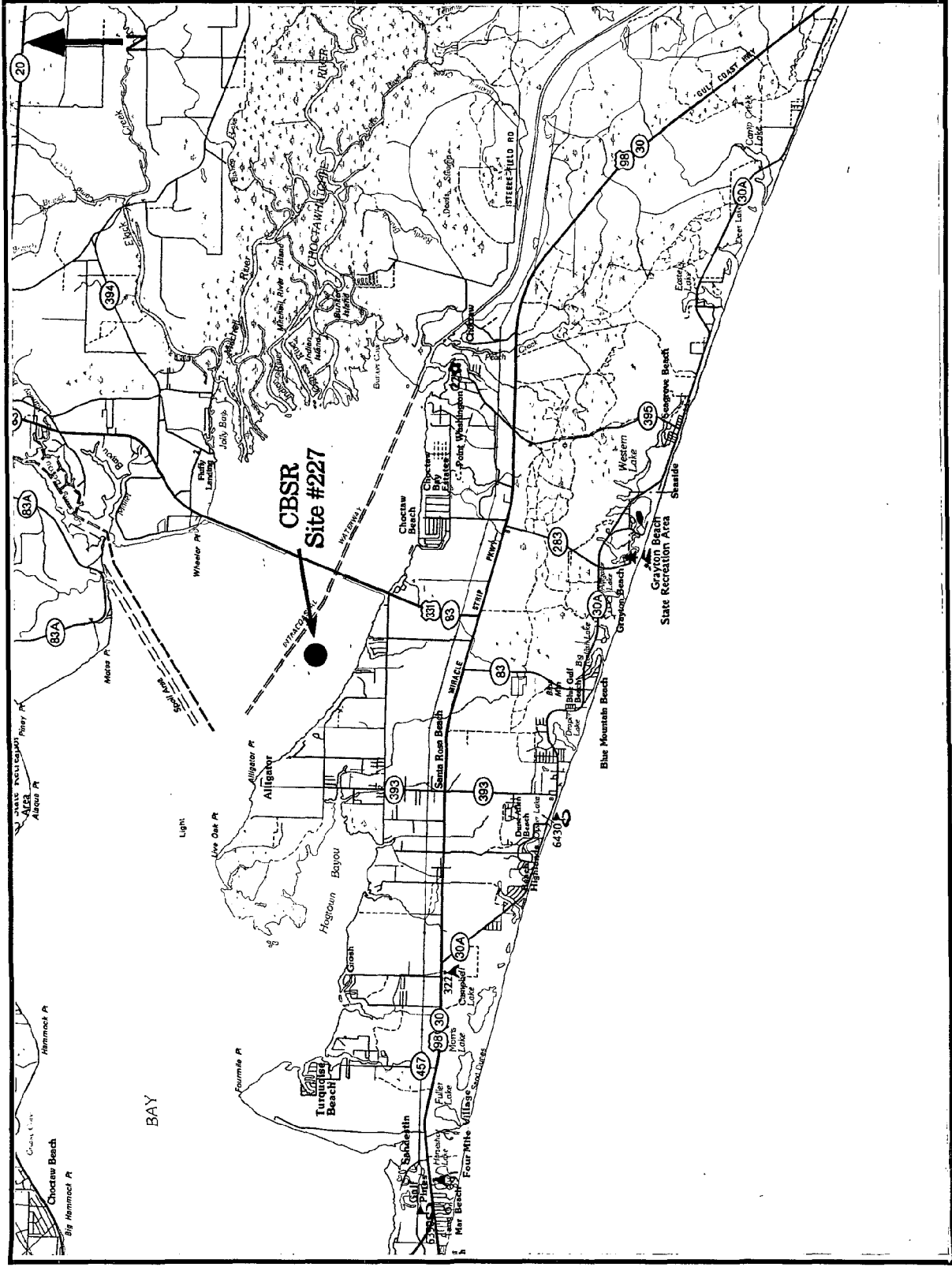
Oysters - tongs, hand  
Sediments - N/A

**WATER DEPTH** - subtidal, 1.5 - 3.0 m

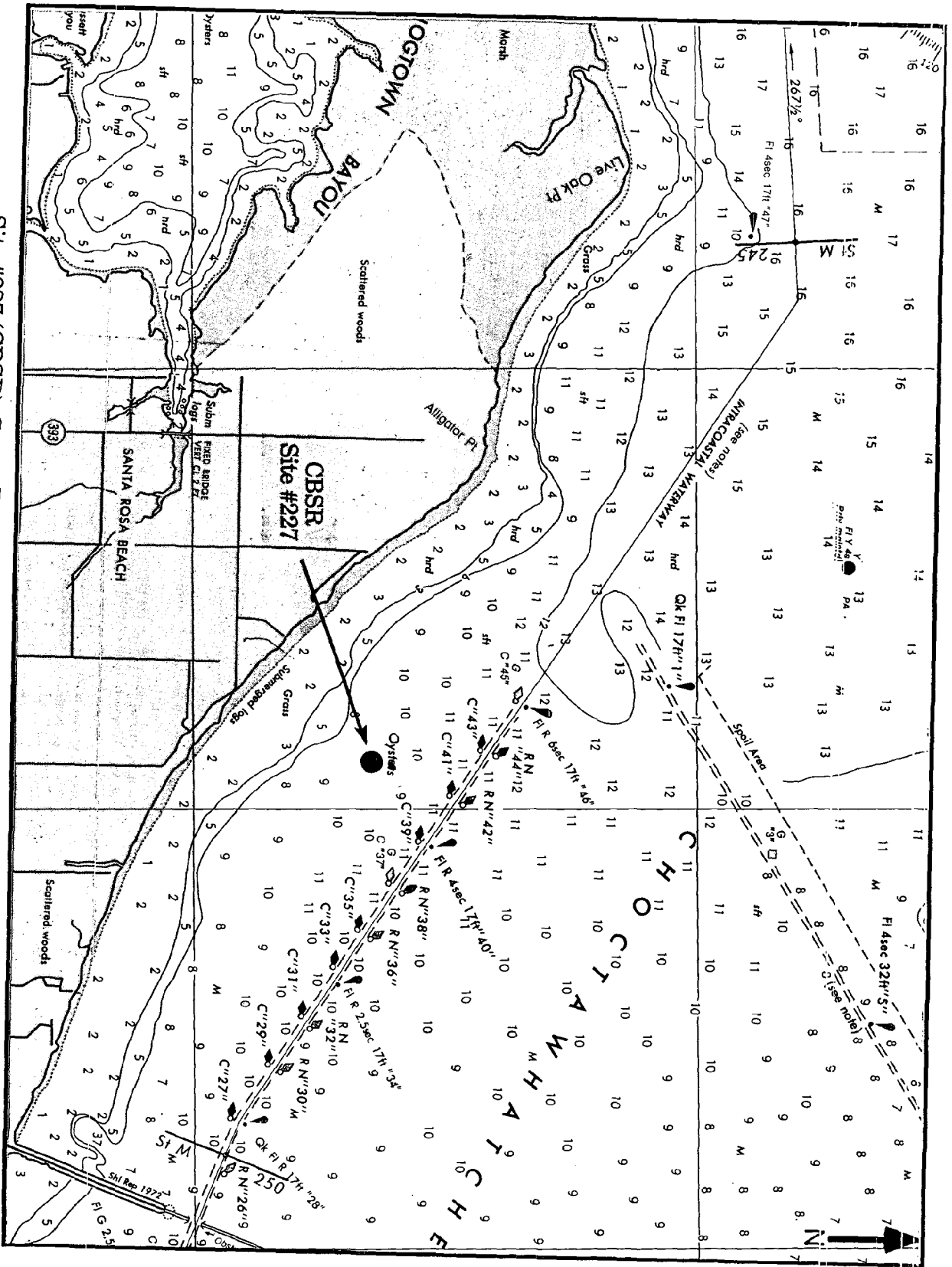
**POSSIBLE CONTAMINANTS** - No obvious visible point sources of contamination were evident in the area.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	24.0	17.0	18 January 1995



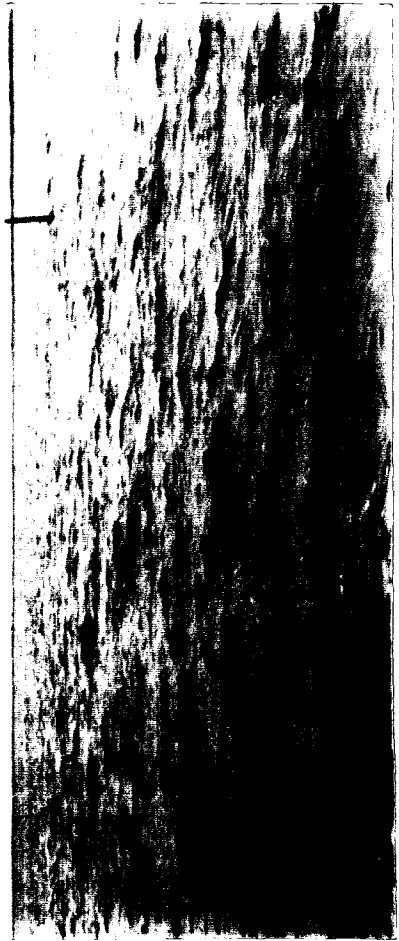
Site #227 (CBSR), Santa Rosa, Choctawatchee Bay.



Site #227 (CBSR), Santa Rosa, Choctawatchee Bay (from chart 11385).



Site #227 (CBSR), Santa Rosa, Choctawatchee Bay.



**GERG SITE NUMBER - 228**

**DESIGNATOR - CBJB**

**SITE - JOE'S BAYOU, CHOCTAWAHATCHEE BAY, FL**

**NOMINAL SITE CENTER - 30°24.62'N 89°29.45'W**

**LOCATED ON NOS CHART # - 11385**

**SITE ACCESS** - The location is a walk-up site and is reached by driving up Beach Drive, off Hwy. 98, to the boat ramp. The site is located just south of the boat ramp.

**SITE DESCRIPTION** - The site is located on the south shore of Choctawahatchee Bay, between the other two Choctawahatchee Bay sites. The site is at the mouth of Joe's Bayou, where it enters the Bay. The three oyster stations were along the shoreline, with Station 1 being at the launch/pier; Station 2 to the south; and Station 3 as far south as one can go before encountering the private dock. The total distance spanned only 50 to 100 meters. Suitable sediments for sampling are located in the southern arm of the upper part of Joe's Bayou, in 1.5 meters of water. Station 1 is 30 meters from the west shoreline between the wooden boathouse and the two boat pier to the north. One bearing to locate the station, is 120° to the Destin water tower. Station 2 is in the northeast arm of upper Joe's Bayou, near the end on the north shore between the last and next to last boathouses. The water depth is 1.2 meters and the sediment is a very loose brown silt. Station 3 is across the bayou (east) from Station 2, between last boat house and boat house #016.

#### **OYSTER COLLECTIONS**

*1995* This site was not scheduled to be collected this year.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHODS**

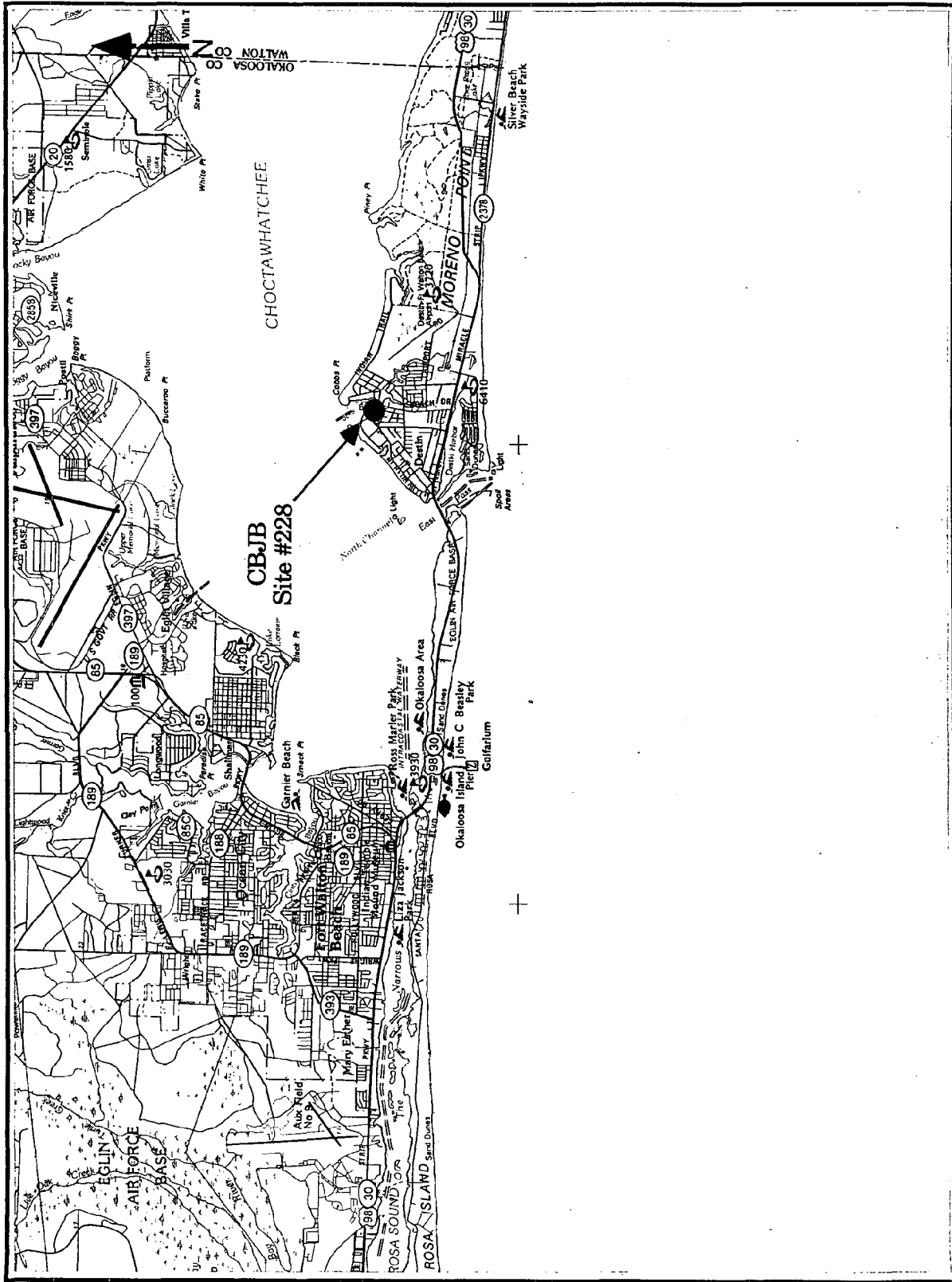
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There appeared to be no drainage other than rainfall runoff from the immediate area into the bayou, and its proximity to the bay suggested that it was fairly representative of the bay. No obvious sources of contaminants were apparent except for a sand and gravel transfer yard immediately to the north of the site.

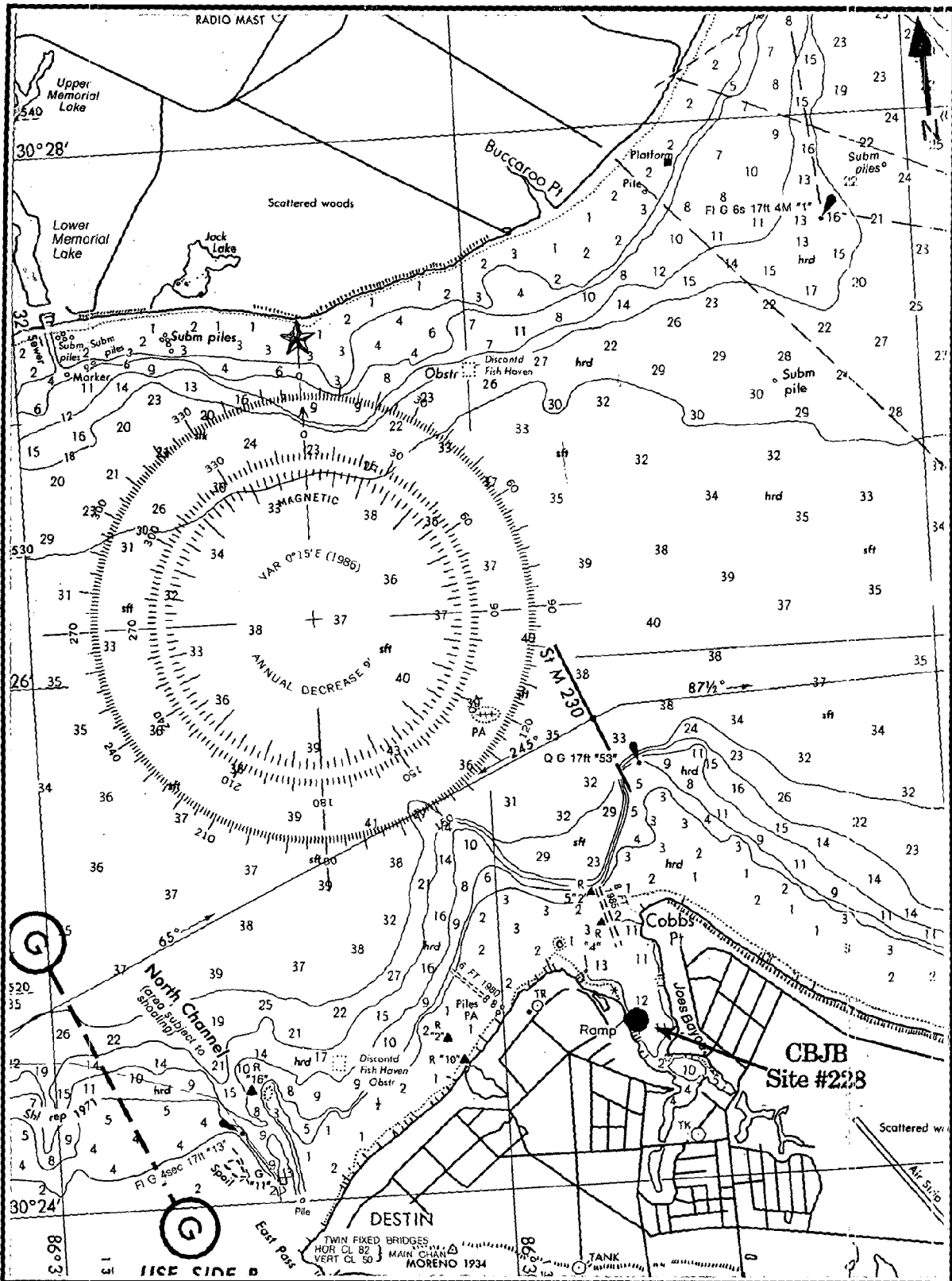
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A

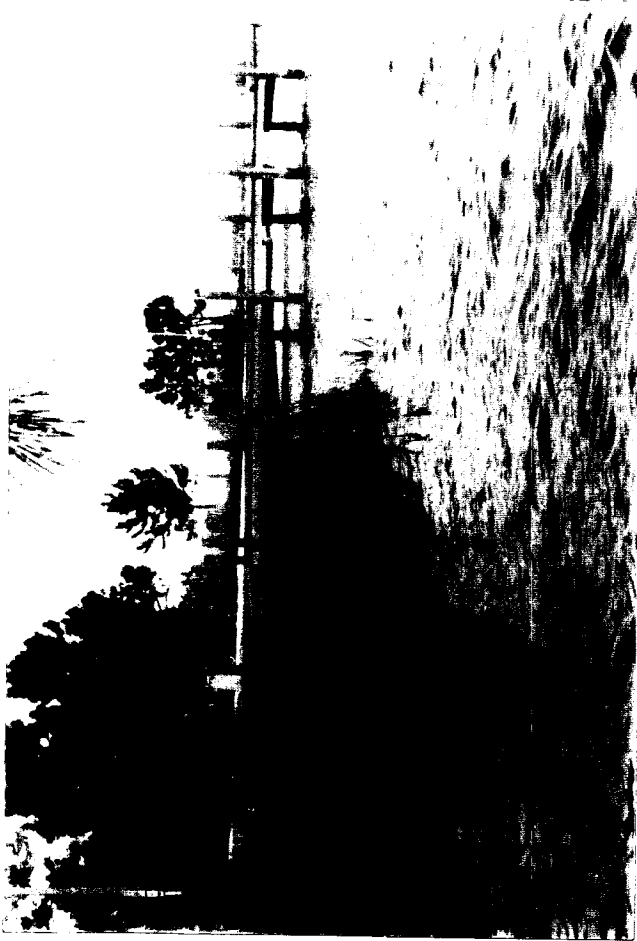


Site #228 (CBJB), Joe's Bayou, Choctawatchee Bay.

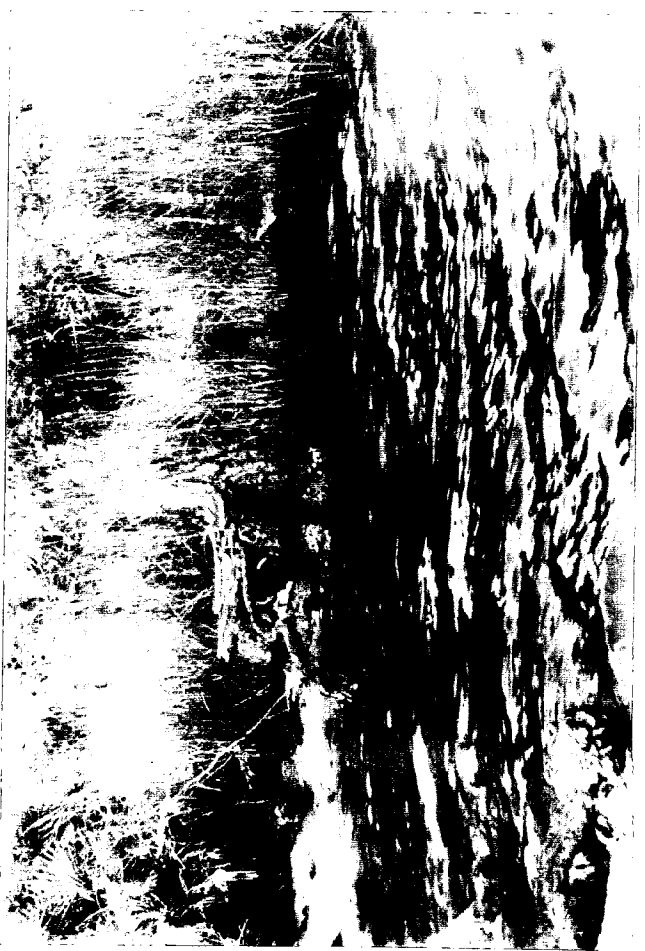




Site #228 (CBBJ), Joe's Bayou, Choctawatchee Bay (from chart 11385).



Site #228 (CBBJ), Joe's Bayou, Choctawatchee Bay.



**GERG SITE NUMBER - 229**

**DESIGNATOR - CBPP**

**SITE - POSTIL POINT, CHOCTAWHATCHEE BAY, FL**

**NOMINAL SITE CENTER - 30°28.85'N 86°28.73'W**

**LOCATED ON NOS CHART # - 11385**

**SITE ACCESS** - The site is reached by automobile, with access through Eglin Air Force Base. Enter Eglin Air Force Base on Highway 85. Stop at the visitor center at Eglin Air Force Base and obtain an entry pass. The guard will give you directions to the family camping area at Postil Point.

**SITE DESCRIPTION** - The site was located on the west bank at the entrance to Boggy Bayou, which is on the north side of Choctawhatchee Bay. A military Family Camping and Recreation area is located on Boggy Point. The oysters are collected by hand from along the shoreline from the entrance into Postil Lake north towards Postil Point. Station 1 oysters are taken from the sandy bottom, jetty rocks and the bulkhead where Postil Lake enters Choctawhatchee Bay. Oyster Station 2 is located along the shoreline about 200 meters north of Station 1. Here the oysters are attached to the rocks. Oyster Station 3 is on the south side of Postil Point, on the shoreline rocks.

**OYSTER COLLECTIONS**

1995 This site was not scheduled for sampling this year.

**SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

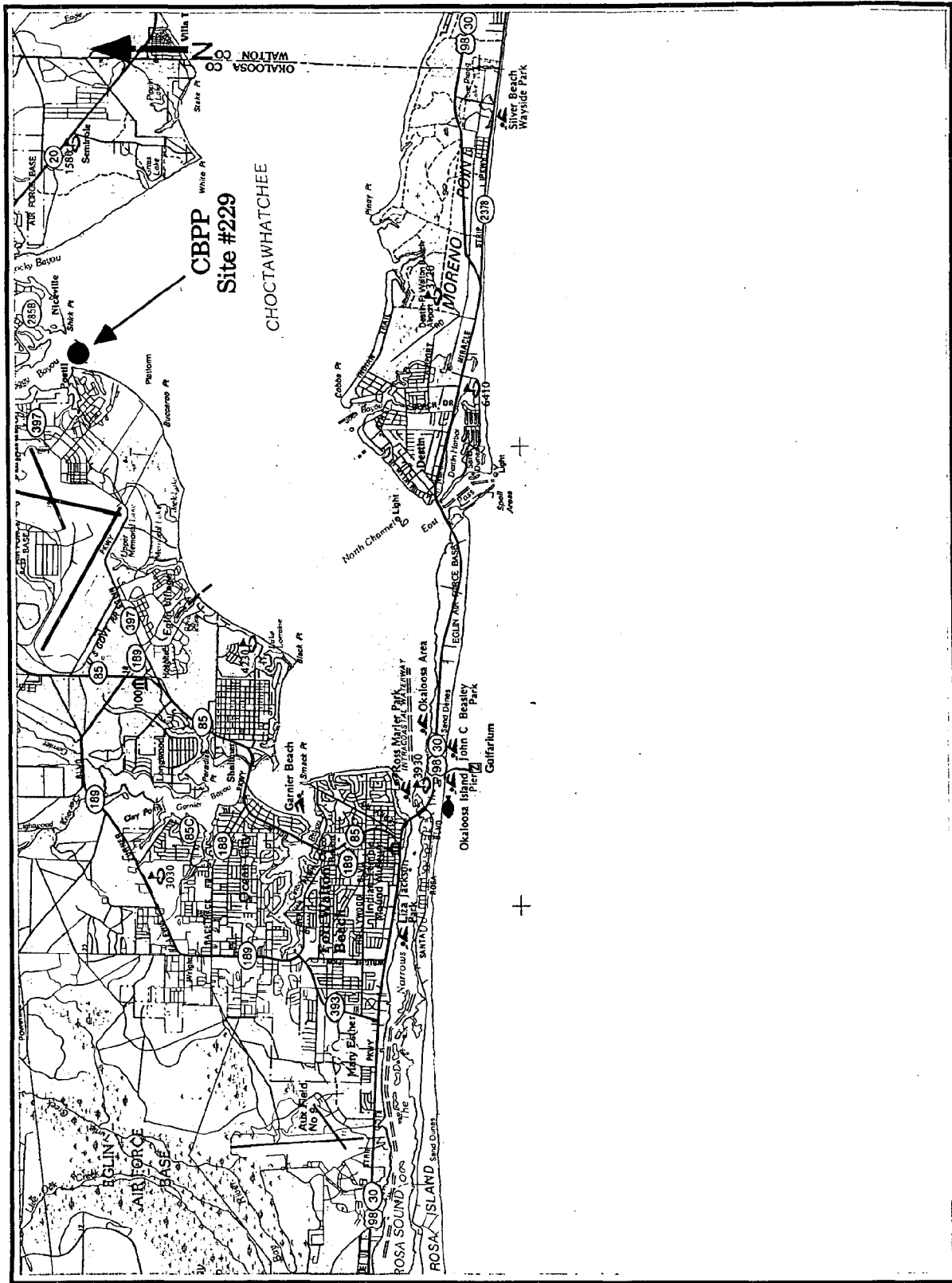
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - A possible source of contamination was from surface runoff originating from the recreational area.

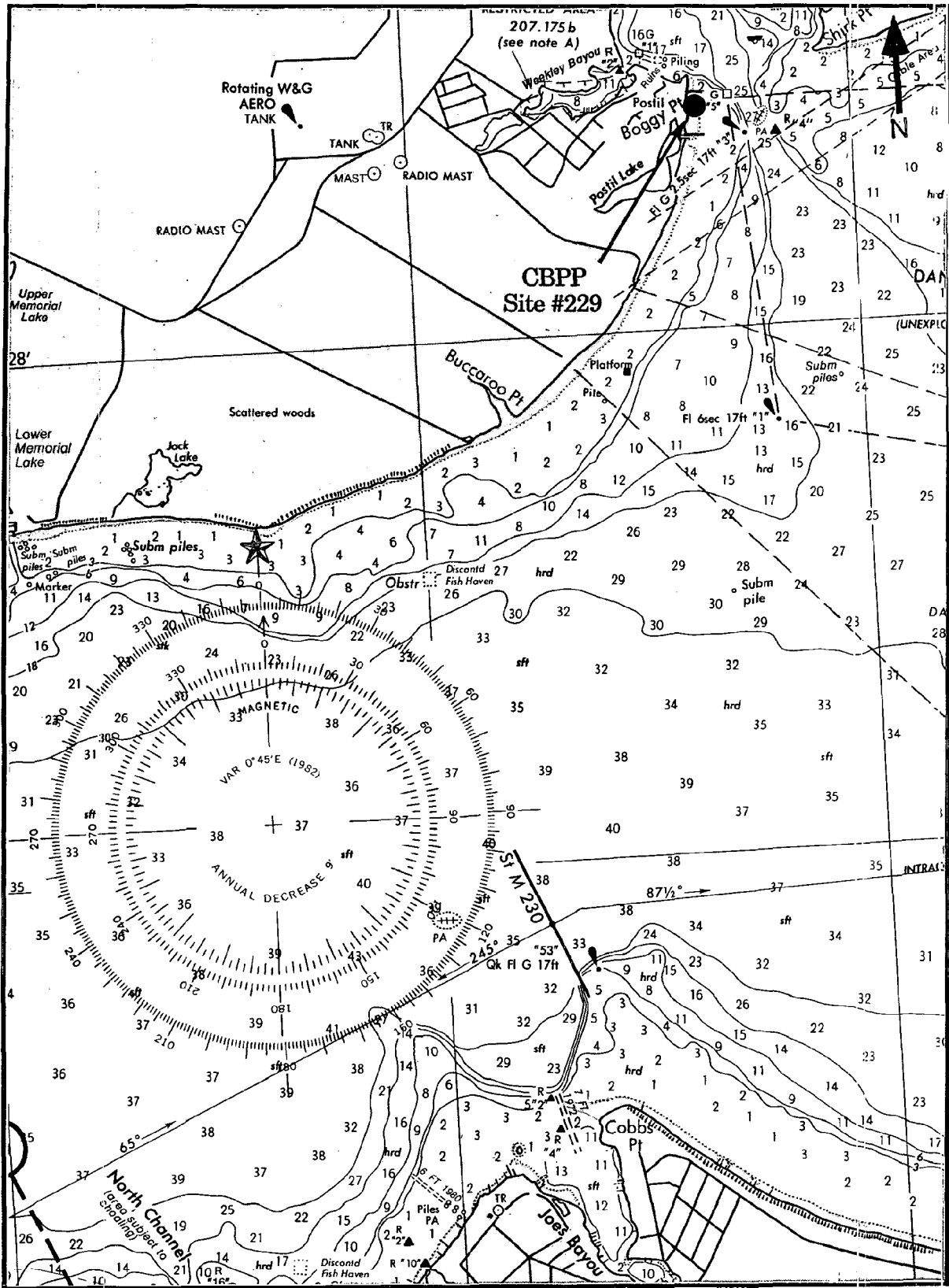
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A





Site #229 (CBPP), Postil Point, Choctawatchee Bay.



Site #229 (CBPP), Postil Point, Choctawatchee Bay (from chart 11385).



Site #229 (CBPP), Postil Point, Choctawatchee Bay.



**GERG SITE NUMBER - 230**

**DESIGNATOR - CBBB**

**SITE - BOGGY BAYOU, CHOCTAWHATCHEE BAY, FL**

**NOMINAL SITE CENTER - 30°30.18'N 86°29.65'W**

**LOCATED ON NOS CHART # - 11385**

**SITE ACCESS** - The site is reached by boat, launched at the boat ramp located on Bayshore Drive on the east side of Boggy Bayou. Travel from Fort Walton to Niceville on Highway 85, cross the Boggy Bayou bridge, then turn right onto Bayshore Drive and continue on to the public ramp on the right. By boat go south down Boggy Bayou to green channel marker "9", then turn southwest and proceed into Toms Bayou. Proceed west for approximately 500 meters to the road bridge.

**SITE DESCRIPTION** - The oysters are located on the concrete piling of the bridge, which crosses the middle of Toms Bayou. Station 1 is on the south end of the bridge and includes the first 5 sets of bridge pilings. Station 2 includes the middle 5 sets of piers and Station 3 comprises the northern 5 sets of piers.

**OYSTER COLLECTIONS**

1995 This site was not scheduled for sampling this year.

**SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

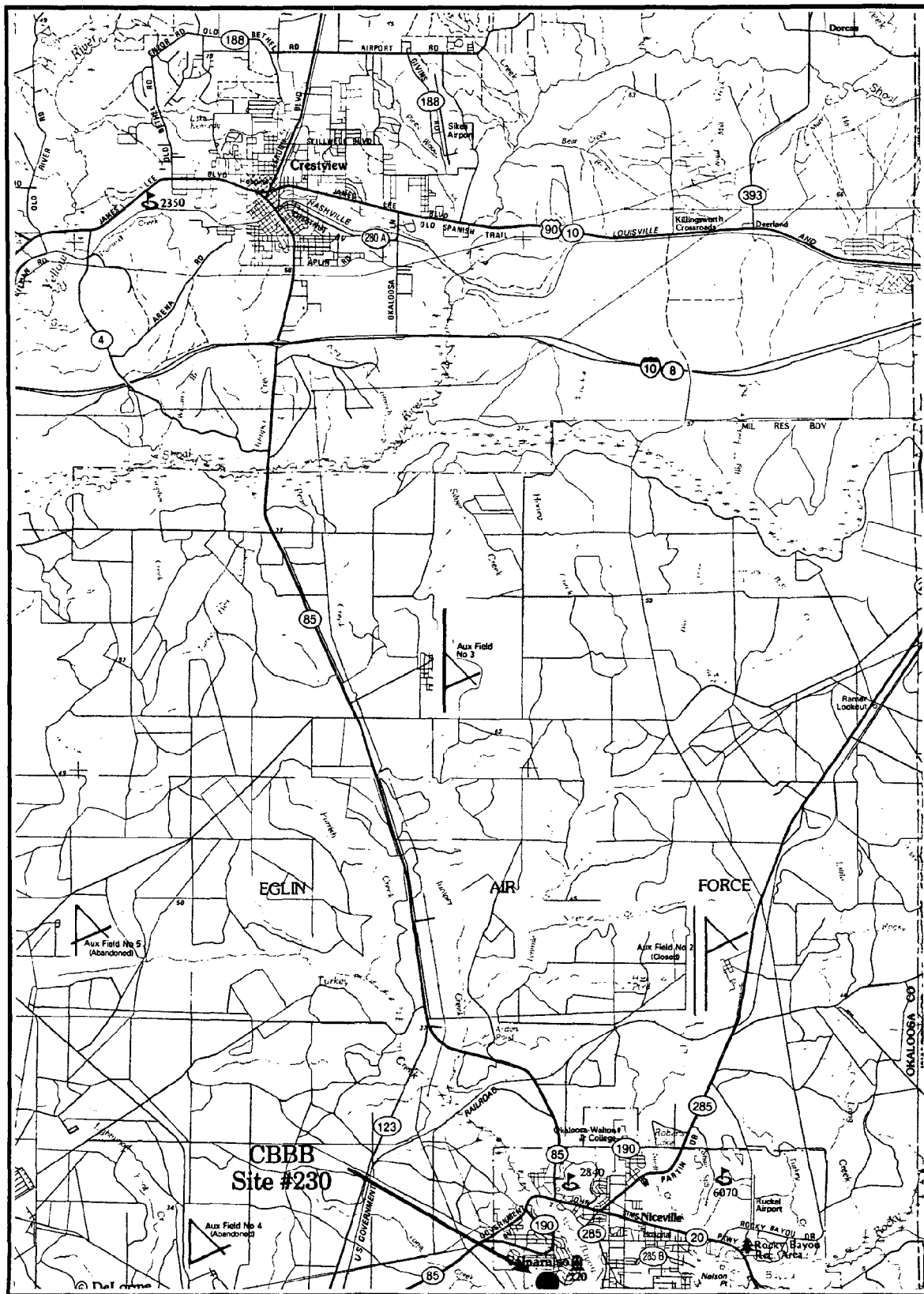
**POSSIBLE CONTAMINANTS** - A possible source of contamination was from surface runoff originating from Valparaiso and Eglin Air Force Base.

**ENVIRONMENTAL DATA**

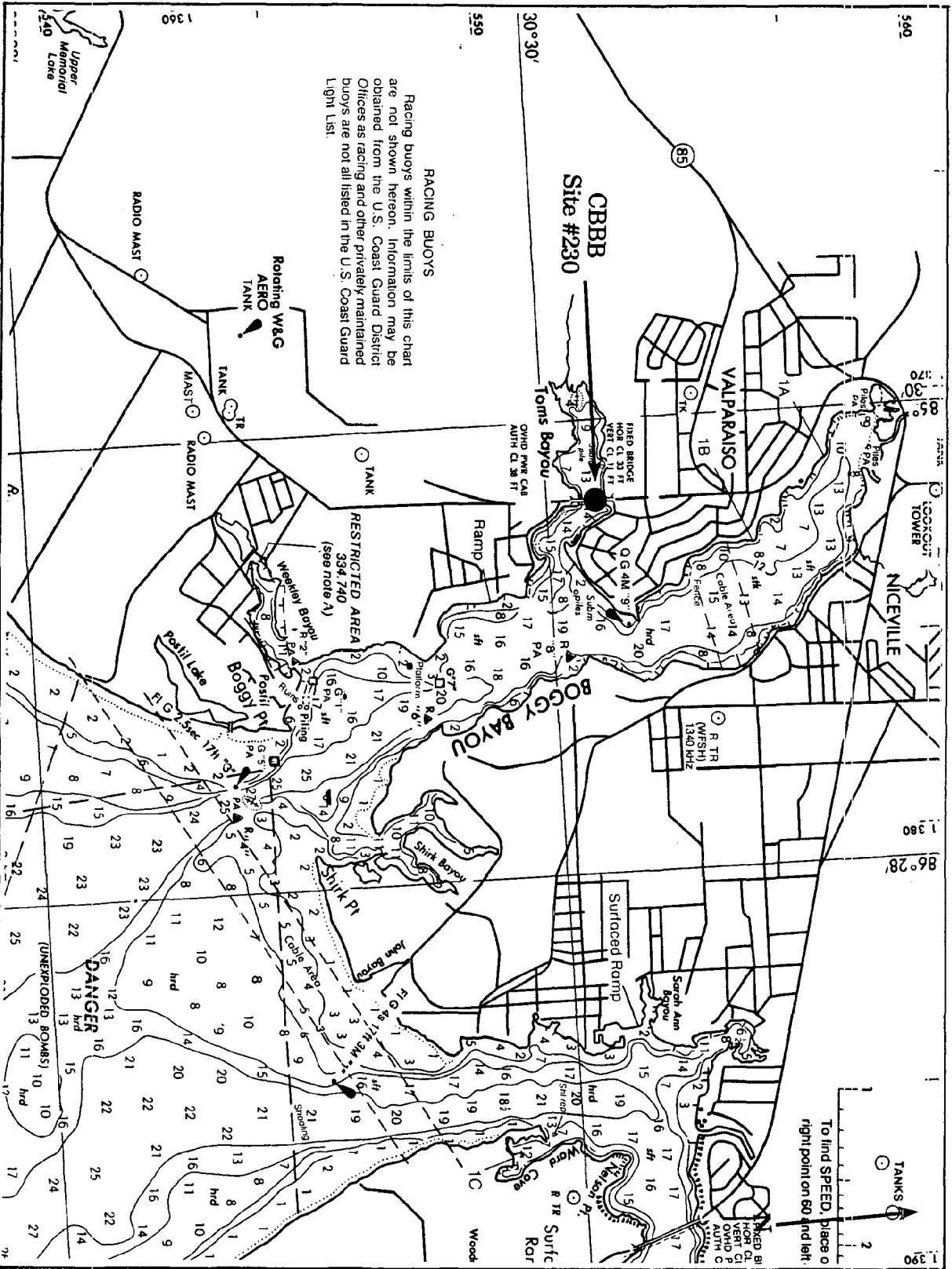
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A







Site #230 (CBBB), Boggy Bayou, Choctawatchee Bay.



Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other privately maintained buoys are not all listed in the U.S. Coast Guard Light List.

RACING BUOYS

Site #230 (CBBB), Boggy Bayou, Choctawatchee Bay (from chart 11385).

To find SPEED, place 0 right point on 60 and left.



Site #230 (CBBB), Boggy Bayou, Choctawatchee Bay.



**GERG SITE NUMBER - 231**

**DESIGNATOR - CBBL**

**SITE - BEN'S LAKE, CHOCTAWHATCHEE BAY, FL**

**NOMINAL SITE CENTER - 30°27.15'N 86°32.45'W**

**LOCATED ON NOS CHART # - 11385**

**SITE ACCESS** - The site is reached by boat with access from the boat ramp located on Bayshore Drive on the east side of Boggy Bayou. Travel from Fort Walton to Niceville on Highway 85, cross Boggy Bayou bridge, turn right on Bayshore Drive, and continue to the public ramp on the right. By boat, go south down Boggy Bayou to Choctawhatchee Bay, then west to the entrance to Ben's Lake. Travel time is approximately 30 minutes in good weather.

**SITE DESCRIPTION** - This site is located at the entrance to Ben's Lake, which is on the north side of Choctawhatchee Bay. The entire area is part of the Eglin Air Force Base. Oysters were located and collected from the concrete and brick rubble along the shoreline, at the entrance to Ben's Lake. Station 1 is on the east side of the entrance into Ben's Lake. Station 2 is also on the east side of the entrance into the bay, but is 30 meters farther to the north. Station 3 is on the west side of the entrance into the bay.

**OYSTER COLLECTIONS**

1995 This site was not scheduled to be collected this year.

**SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

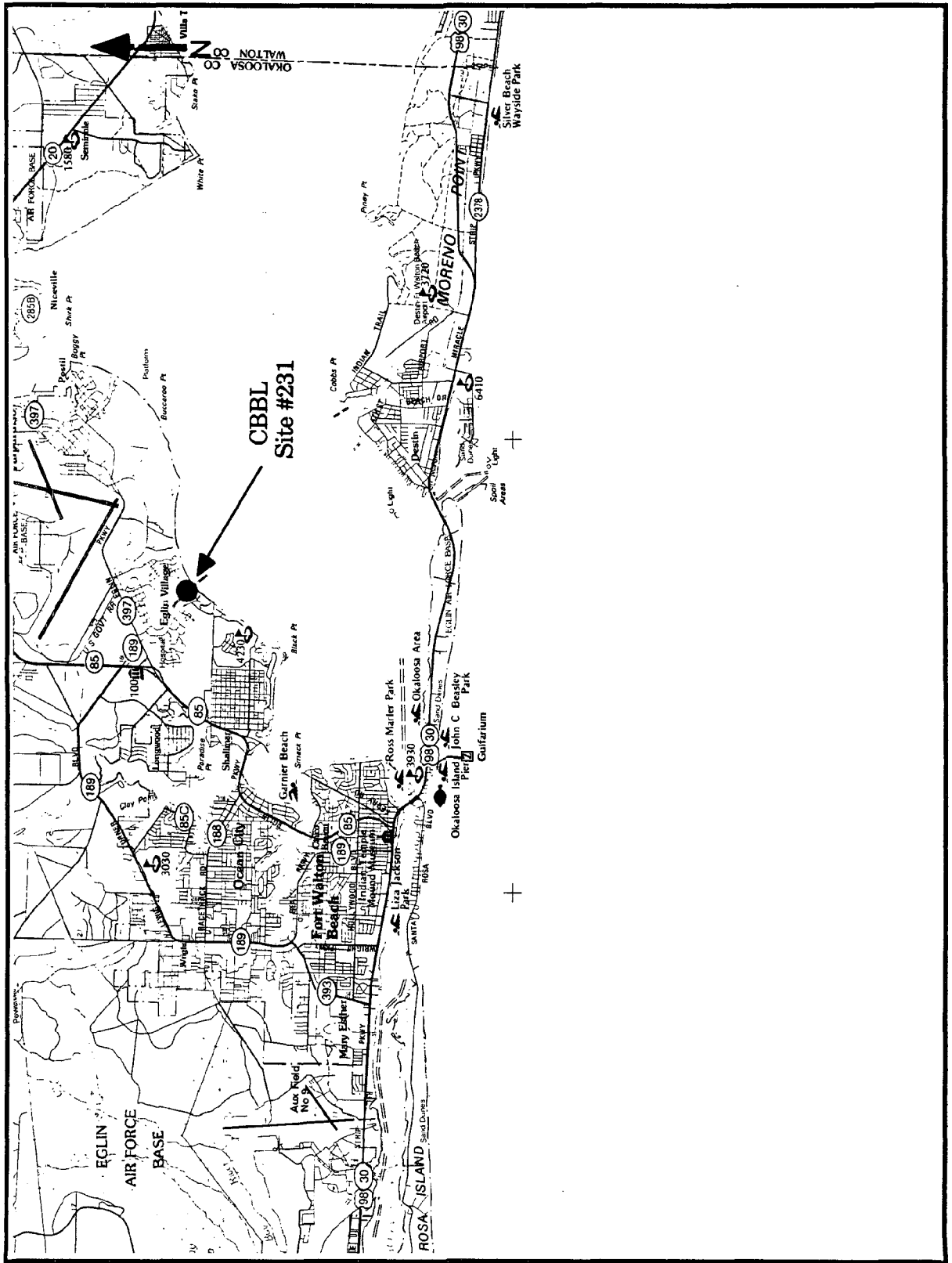
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - One possible source of contamination is surface runoff, originating from the marina area.

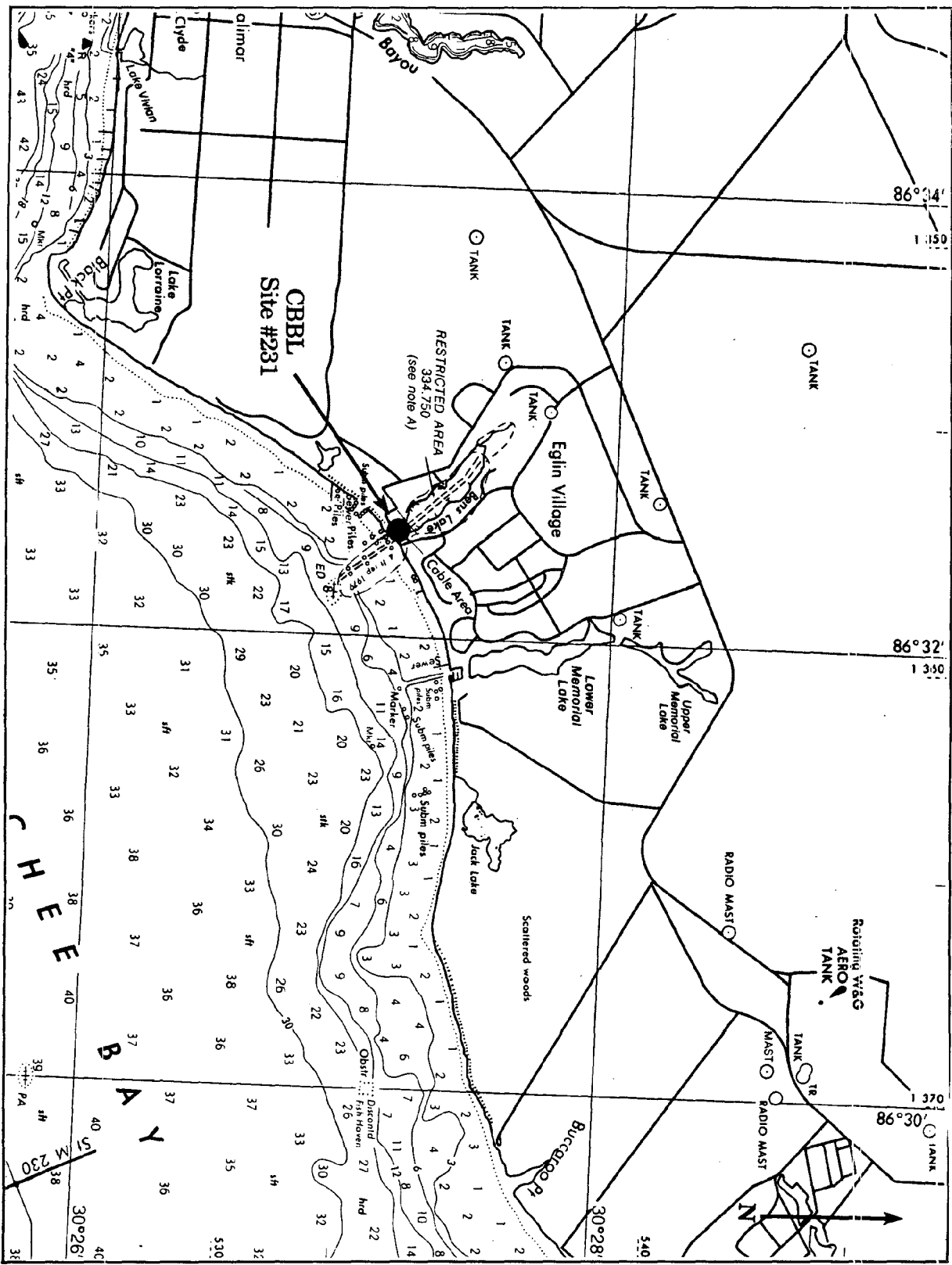
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A





Site #231 (CBBL), Ben's Lake Choctawatchee Bay.

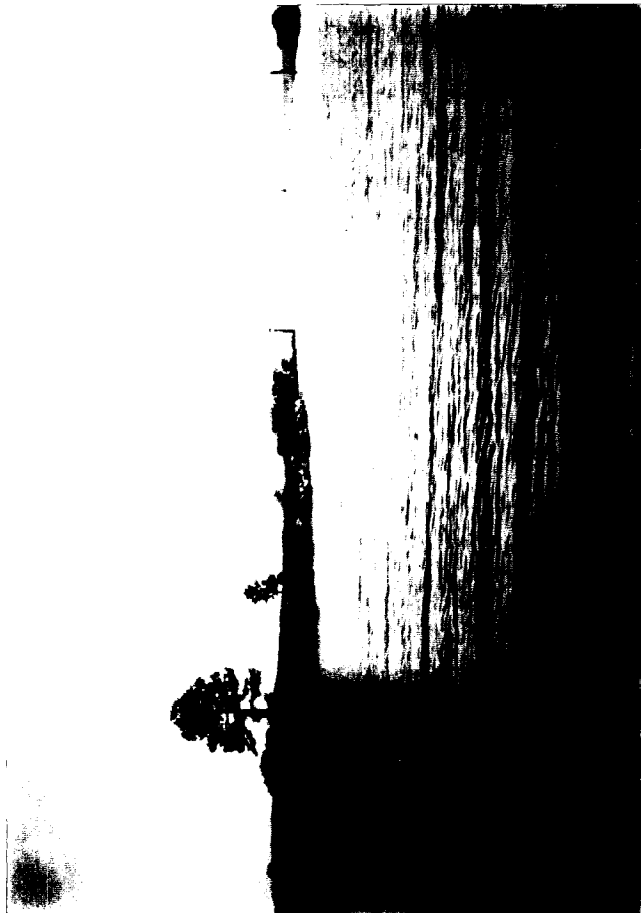


Site #231 (CBBL), Ben's Lake Choctawatchee Bay (from chart 11385).





Site #231 (CBBL), Ben's Lake Choctawatchee Bay.



**GERG SITE NUMBER - 232**

**DESIGNATOR - PBSP**

**SITE - SABINE POINT, PENSACOLA BAY, FL**

**NOMINAL SITE CENTER - 30°20.80'N 87°09.10'W**

**LOCATED ON NOS CHART # - 11378**

**SITE ACCESS** - Access to the site is by boat, launched at the public ramp in Gulf Breeze. To reach the boat ramp, cross the Pensacola Bay Bridge on Highway 98 and go through Gulf Breeze to Shoreline Drive. Turn right and follow the road to the Shoreline Drive Park. Turn left into the park and continue on down to the boat ramp, which is located on the north side of the Santa Rosa Sound.

**SITE DESCRIPTION** - The site is located under the south side of the Highway 399 bridge onto Santa Rosa Island. Sampling this site is easiest at low tide and in calm weather, since the oysters are attached to the concrete piers supporting the bridge. Station 1 is the first 7 sets of piers on the south side of the bridge, Station 2 is directly north of the first station and includes the next nine large concrete piers. Station 3 includes the next eight piers to the north of Station 2. The site ends at the ICWW, under the middle of the bridge. Sediments are collected approximately 1 mile to the northeast, along the Gulf Breeze shoreline (30°21.03'N, 87°09.35'W).

**OYSTER COLLECTIONS**

1995 The site was not scheduled for collection this year.

**SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

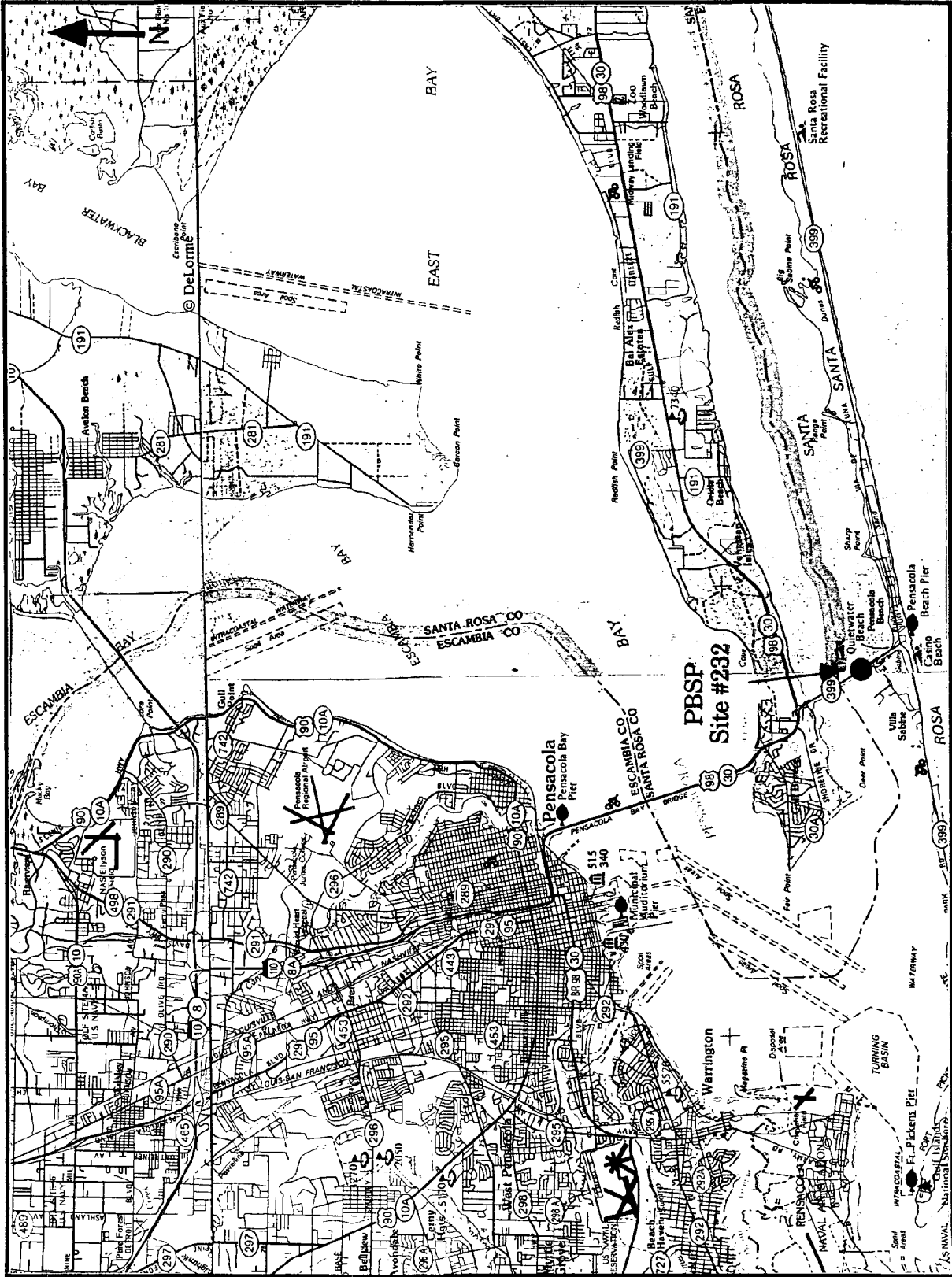
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - Contamination is possible from municipal and marine traffic.

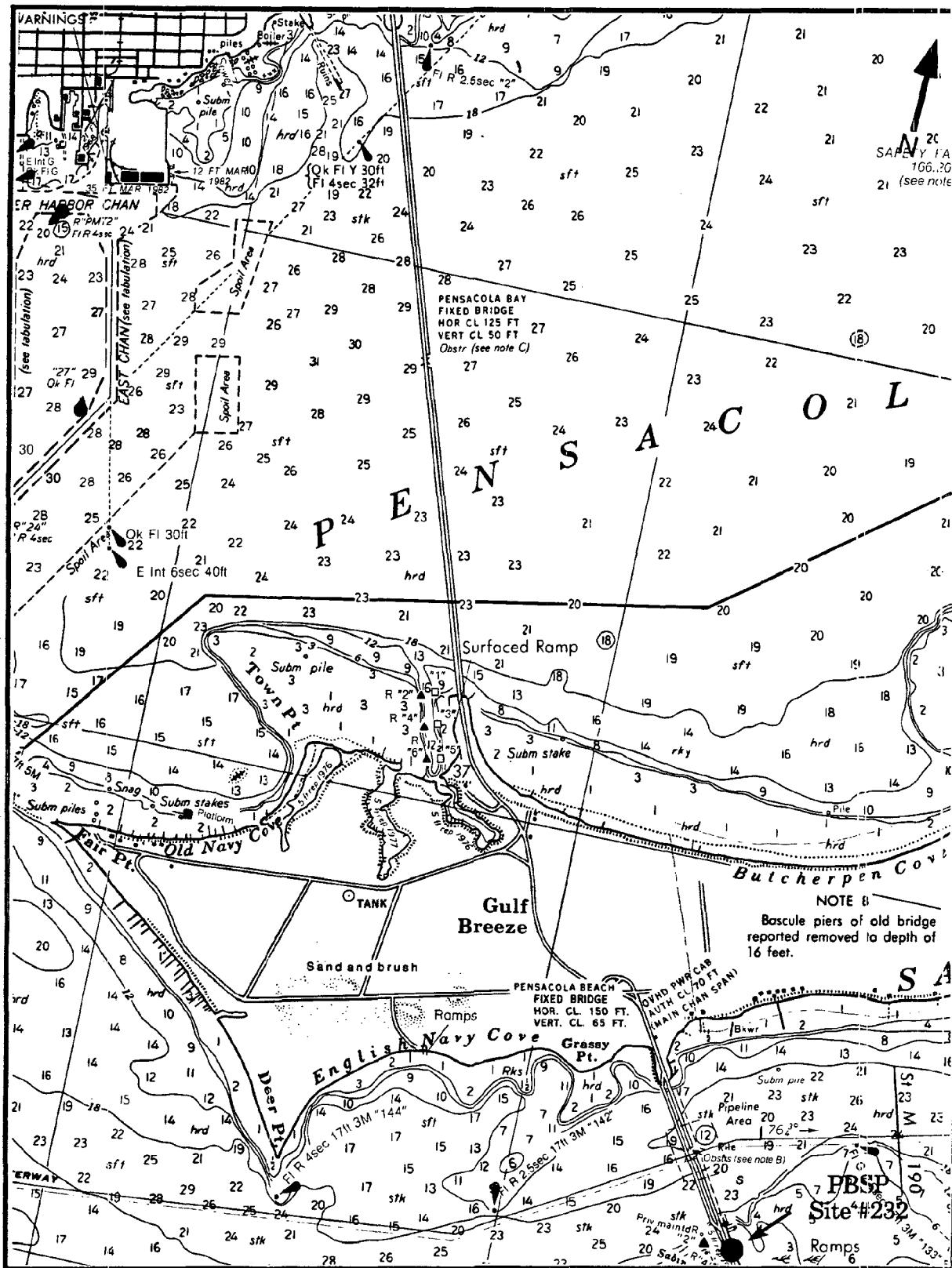
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A





Site #232 (PBSP), Sabine Point, Pensacola Bay.



Site #232 (PBSP), Sabine Point, Pensacola Bay (from chart 11378).



Site #232 (PBSP), Sabine Point, Pensacola Bay.



**GERG SITE NUMBER - 233**

**DESIGNATOR - PBIB**

**SITE - INDIAN BAYOU, PENSACOLA BAY, FL**

**NOMINAL SITE CENTER - 30°31.00'N 87°06.70'W**

**LOCATED ON NOS CHART # - 11378**

**SITE ACCESS** - Access to the site is by automobile, exit I-10 at Avalon and go north to SR 281. Turn left and go to the stop sign, then turn left again and follow the dirt road until it ends at the Archie Glover Park. Launch the boat, and follow the marked channel out to Escambia Bay and going south under the I-10 road bridge to the reef. The reef is located about 1 mile south of the bridge, on a bearing of 140°. Run time to the site is approximately 20 min.

**SITE DESCRIPTION** - The oysters are located on a narrow subtidal reef, west of the entrance to Indian Bayou. The site is marked by several pilings, one of which has an "Oyster Reef" sign, another "Danger, Oyster Reef." Station 1 is at the northeast end of the reef; Station 2 is 100 meters southwest of Station 1, near the poles marking the reef; and Station 3 is another 100 meters southwest of Station 2, near the "Danger, Oyster Reef" sign. The best source of sediments for sampling is in Indian Bayou. Station 1 sediments are collected from the narrow Indian Bayou opening to the bay. Station 2 is along the north shore of the bayou some 300 meters upstream from the mouth and 30 meters from shore, and Station 3 is a further 100 meters northeast and upstream from Station 2.

#### **OYSTER COLLECTIONS**

*1995* The site was not scheduled to be sampled this year.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - tongs, hand  
Sediment - N/A

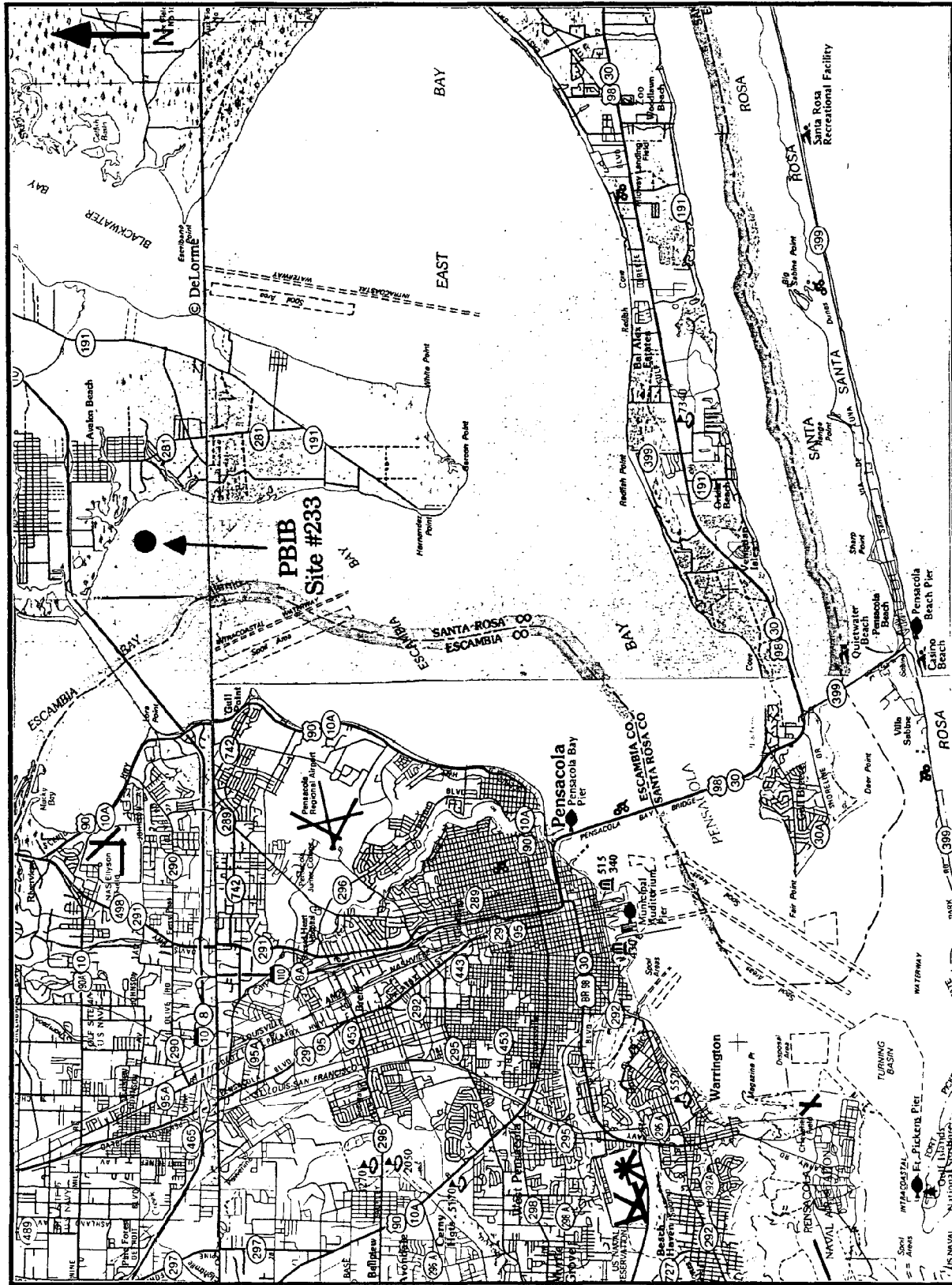
**WATER DEPTH** - subtidal, 2.0 m

**POSSIBLE CONTAMINANTS** - There were no obvious visible point sources of contamination in the area.

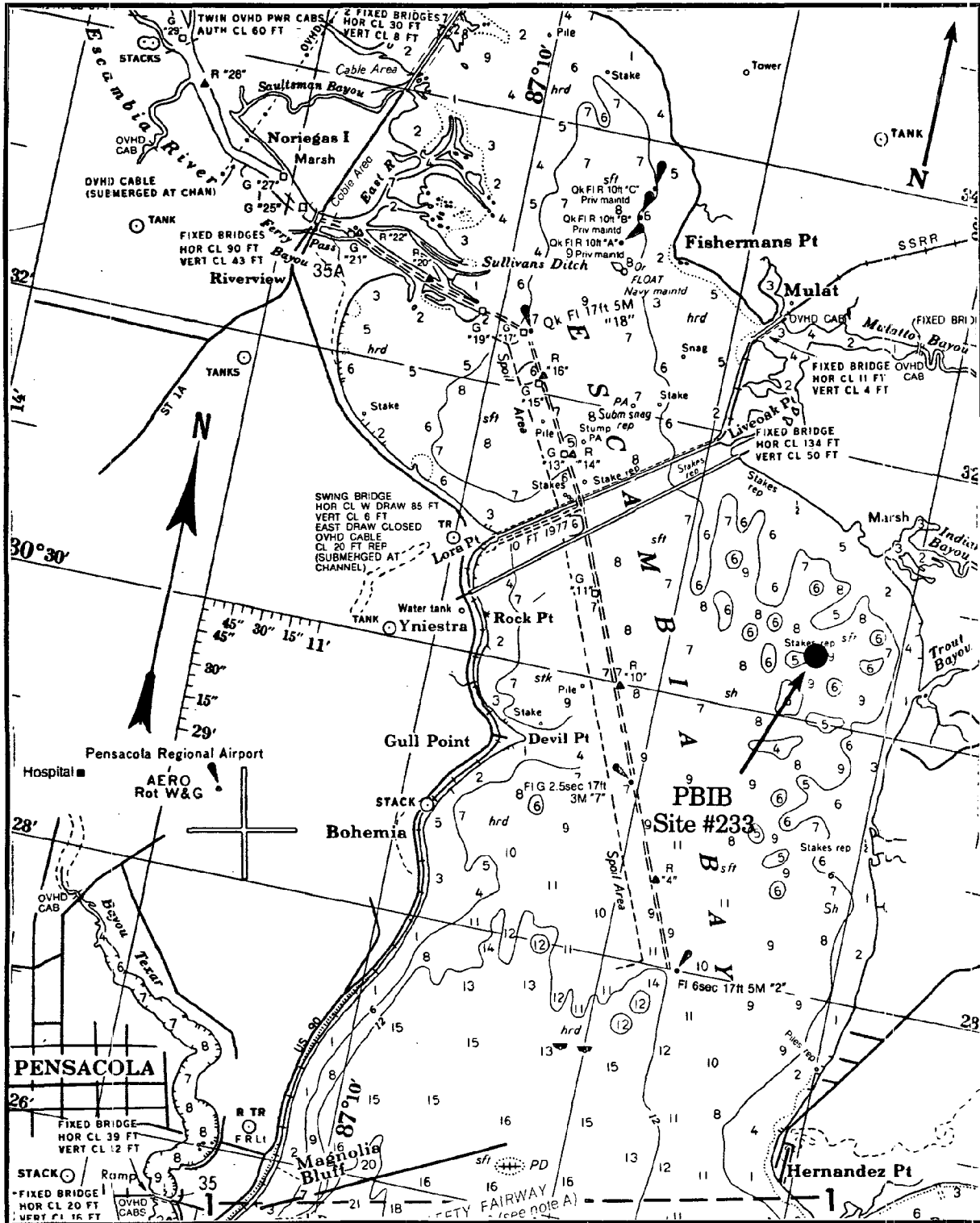
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A

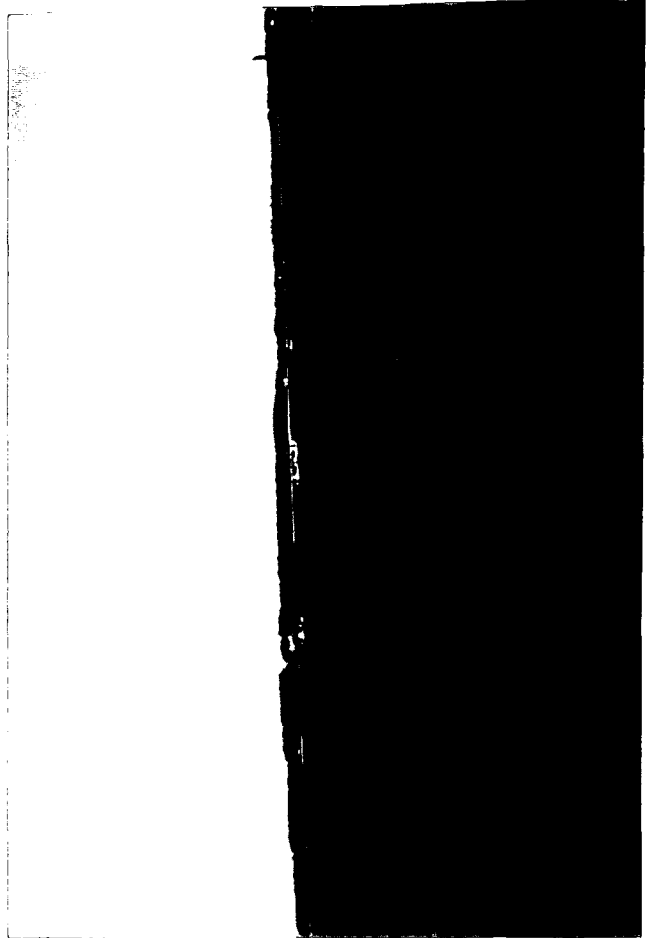
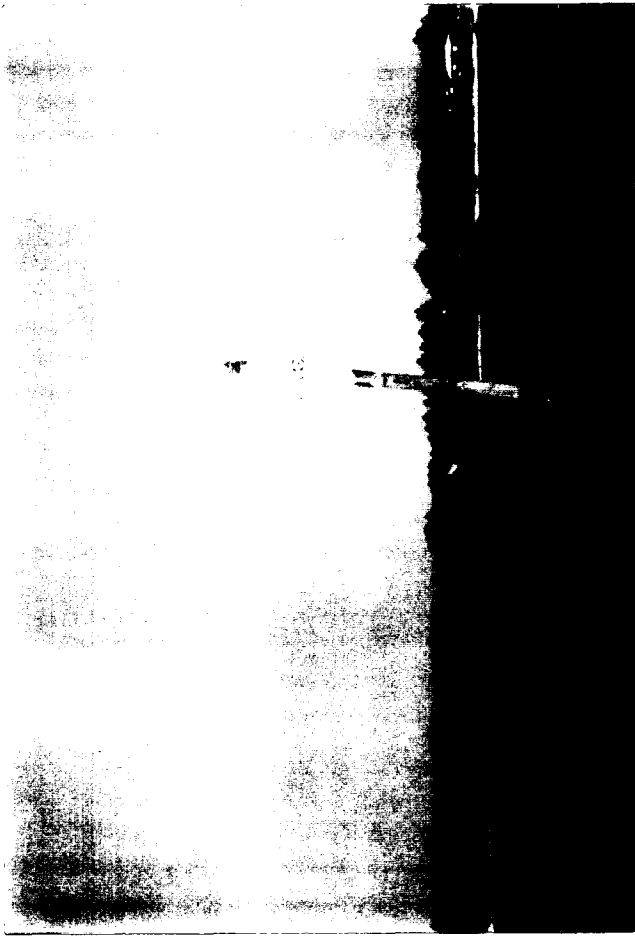




Site #233 (PBIB), Indian Bayou, Pensacola Bay.



Site #233 (PBIB), Indian Bayou, Pensacola Bay (from chart 11378).



Site #233 (PBIB), Indian Bayou, Pensacola Bay.



**GERG SITE NUMBER** - 234

**DESIGNATOR** - PBPH

**SITE** - PUBLIC HARBOR, PENSACOLA BAY, FL

**NOMINAL SITE CENTER** - 30°24.63'N 87°11.42'W

**LOCATED ON NOS CHART #** - 11378

**SITE ACCESS** - Access to the site is by boat, launched at the public ramp at the north end of the Highway 98 Bridge over Pensacola Bay. The boat ramp is next to the Florida Marine Patrol station.

**SITE DESCRIPTION** - The site is located on the Pensacola Fishing Pier, which was the old Highway 98 Bridge. The pier is on the east side of the new bridge. Collections from this site are easiest at low tide and in calm weather, since the boat has to be tied to the concrete piers, whilst removing the samples. Station 1 is at the seventh set of pilings from the north shore, Station 2 is at the eleventh set of pilings and Station 3 is at the fifteenth set of pilings. Sediment samples are collected at a separate station (30°24.14'N, 87°11.38'W). The three samples are collected 50 m apart in a line parallel to the bridge, starting at the 45 mph sign and running towards the north. A sediment grab is needed to collect the samples as the water depth is over 6 meters.

#### **OYSTER COLLECTIONS**

1995 This site was not scheduled to be collected this year.

#### **SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

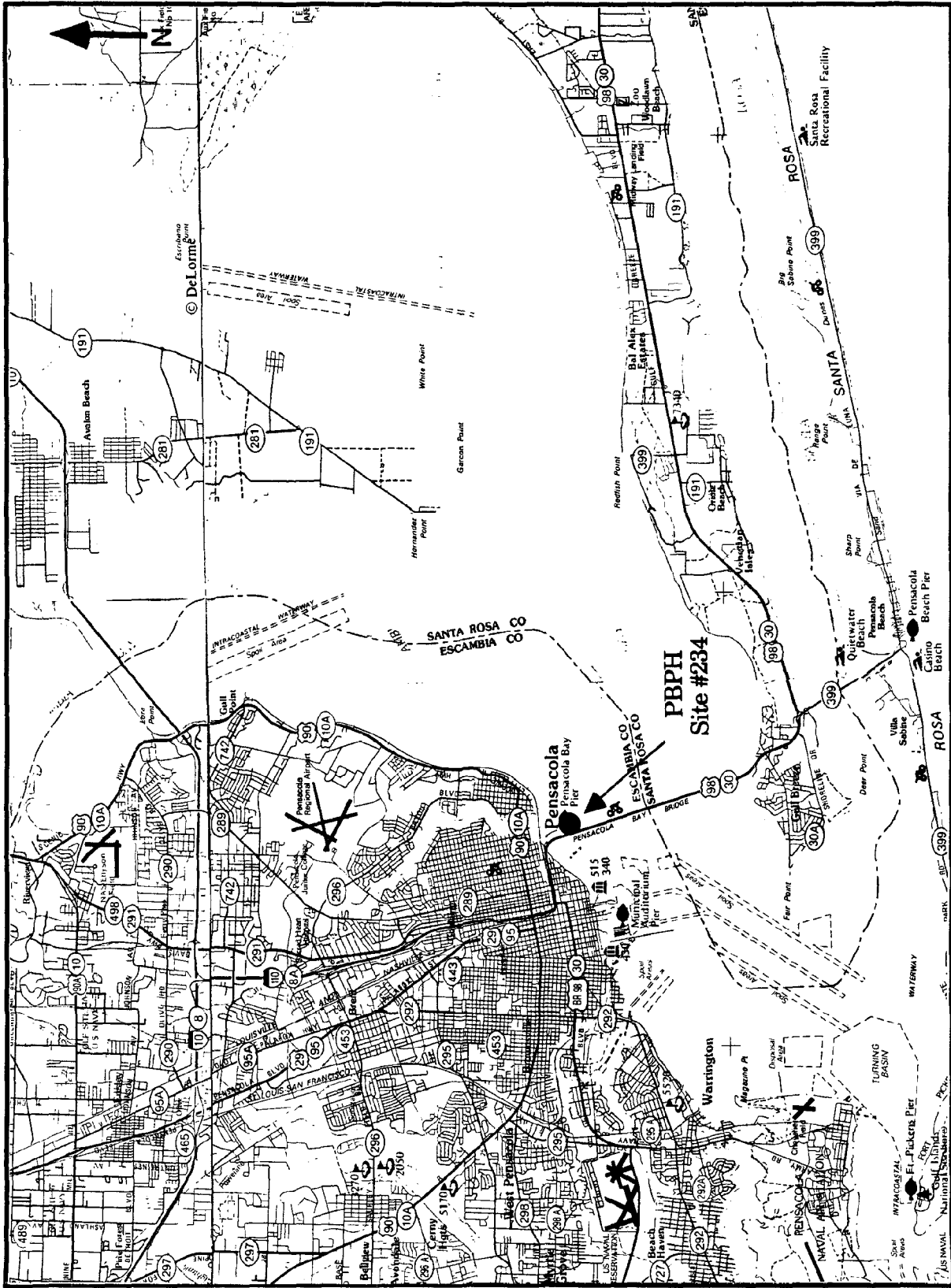
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - Contamination is possible from several sources including both municipal and marine traffic.

#### **ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



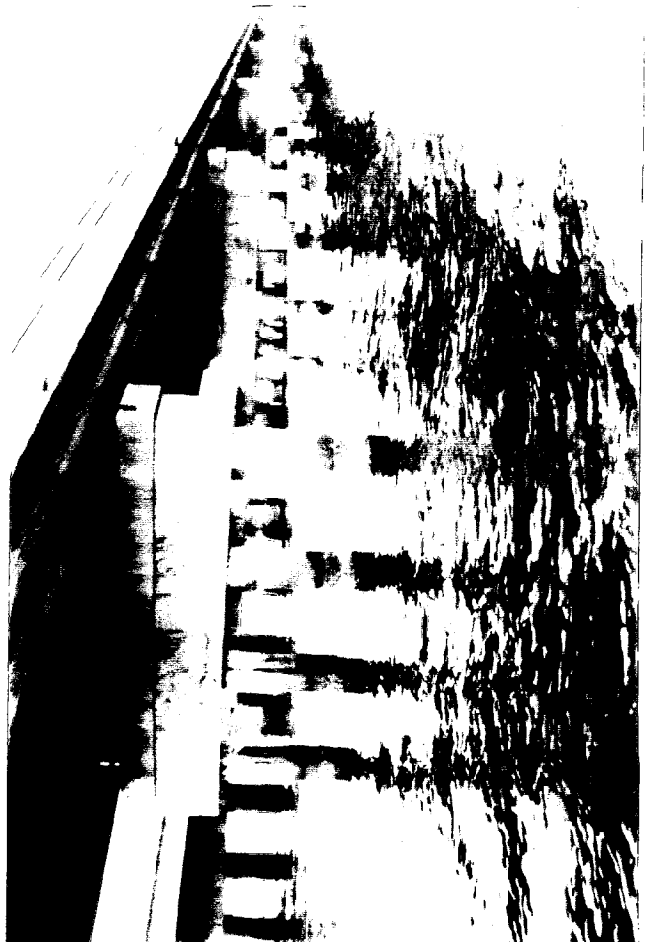


Site #234 (PBPH), Public Harbor, Pensacola Bay.





Site #234 (PBPH), Public Harbor, Pensacola Bay.





## ALABAMA SITES

**GERG SITE NUMBER - 235**

**DESIGNATOR - MBDR**

**SITE - DOG RIVER, MOBILE BAY, AL**

**NOMINAL SITE CENTER - 30°35.50'N 88°02.72'W**

**LOCATED ON NOS CHART # - 11376**

**SITE ACCESS** - The boat launch ramp is at Dog River, which is south of I-10 on the Dauphin Island Parkway. Launch the boat at the Beach Comber ramp, and proceed out the Dog River channel to the Mobil Ship Channel, then go north to green channel marker "69". Turn into the short channel west of marker "69" and proceed to green channel marker "5". The site is located approximately 75 meters away on a bearing of 280° from channel marker "5".

**SITE DESCRIPTION** - This collection site is in the upper reaches of Mobile Bay, and is near the upper distributional limit of oysters within the bay. The site is located on a reef which runs west-southwest from green channel marker "5", for approximately 300 meters. Poling is required to locate the oysters on the reef. Station 1 is on the southwest end of the reef, Station 2 is approximately 100 meters to the northeast and Station 3 is another 100 meters northeast of Station 2.

### **OYSTER COLLECTIONS**

*1995* This site was not scheduled for collection this year.

### **SEDIMENT COLLECTIONS**

*1995* No sediment samples were collected.

### **SAMPLING METHODS**

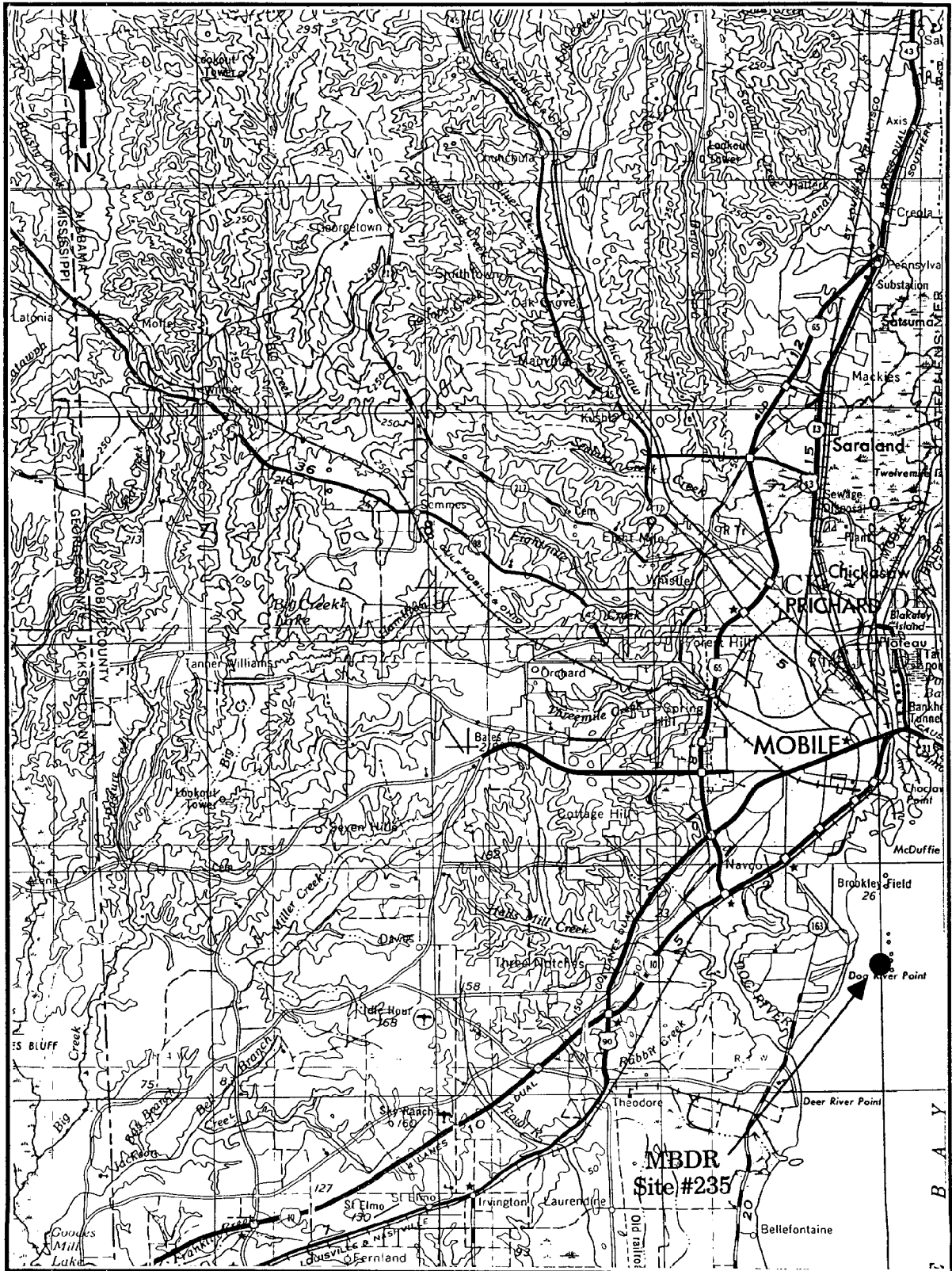
Oysters - SS dredge  
Sediment - N/A

**WATER DEPTH** - subtidal, 1.5 m

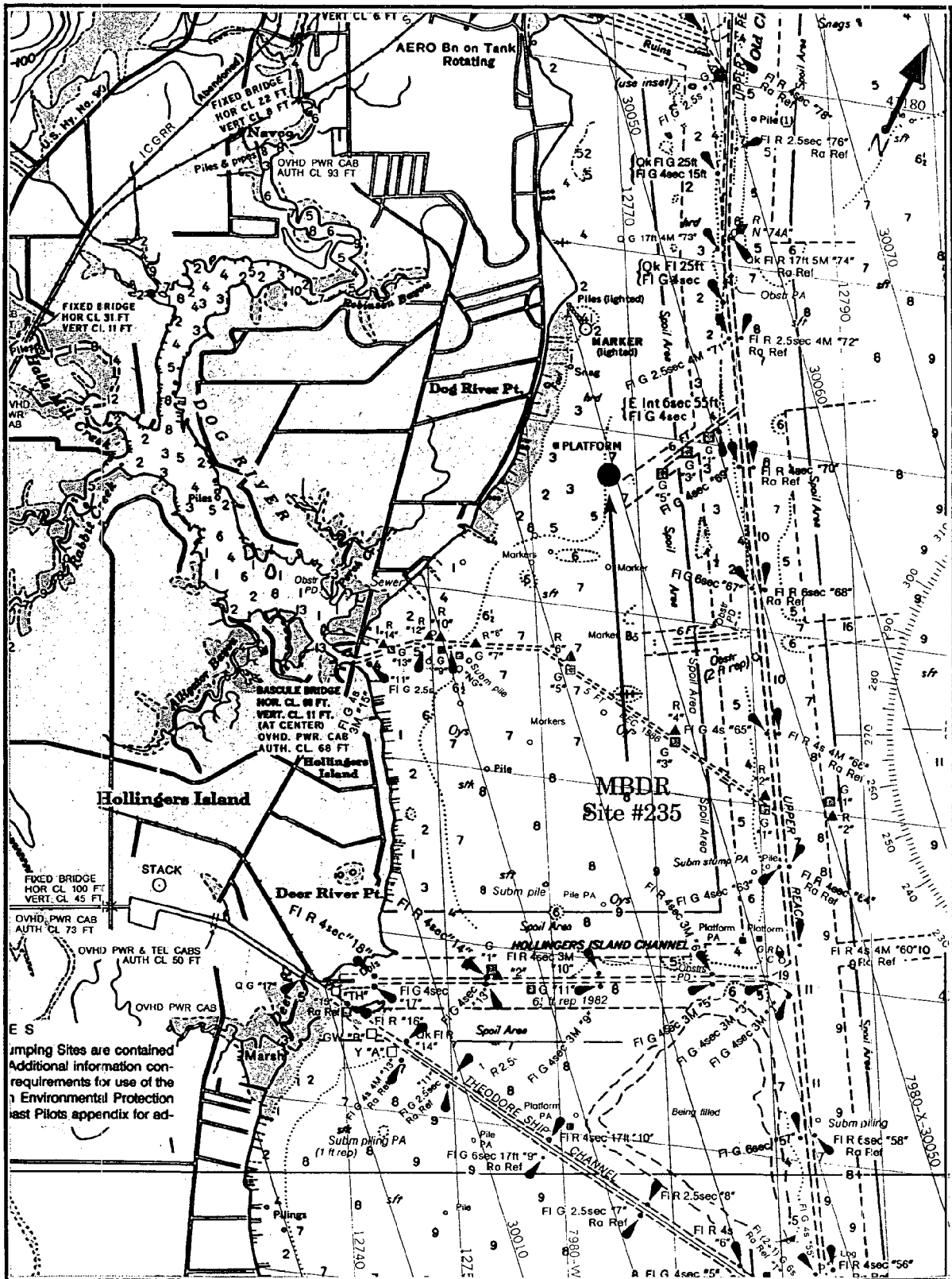
**POSSIBLE CONTAMINANTS** - Potential sources of contamination in the region is from ship traffic, industry, and inflow from the Dog River which drains much of the Mobile area. The upper part of Mobile Bay is also heavily influenced by the polluted Mobile River, and the site is in an area closed to oystering by the Department of Health.

**ENVIRONMENTAL DATA**

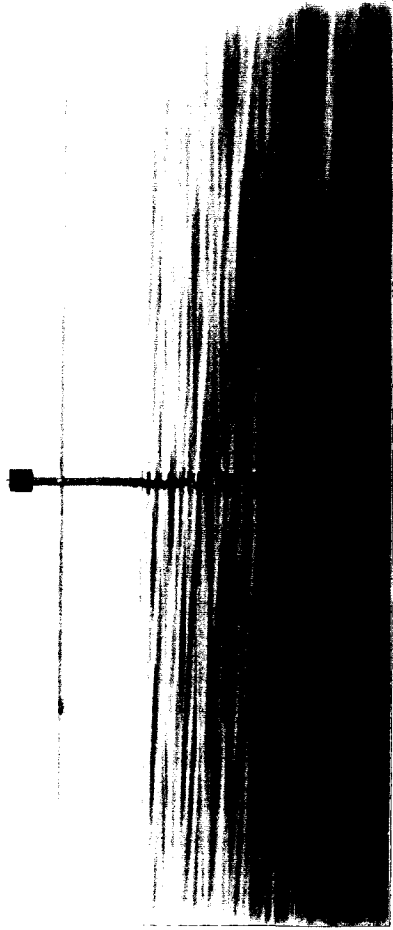
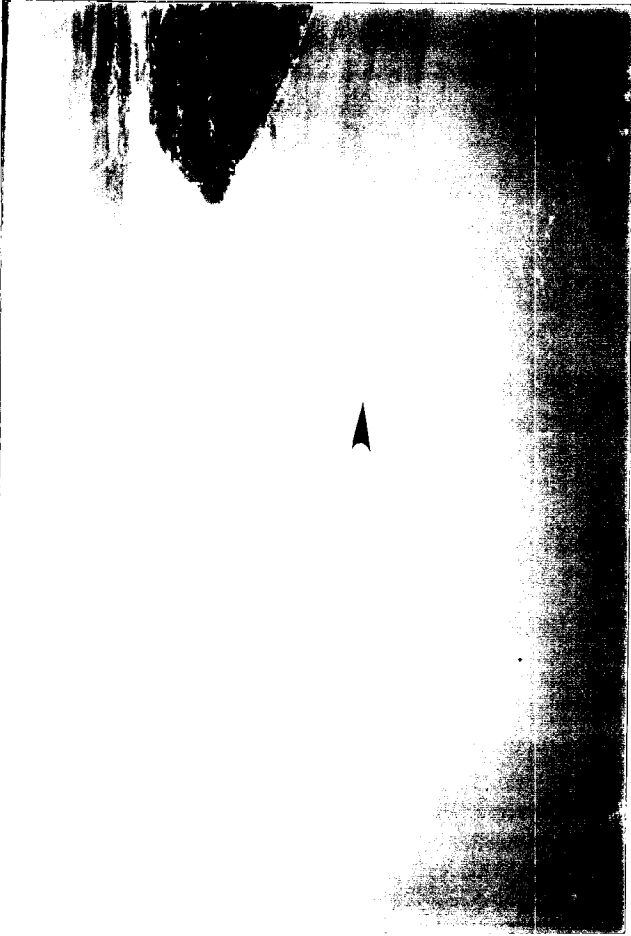
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



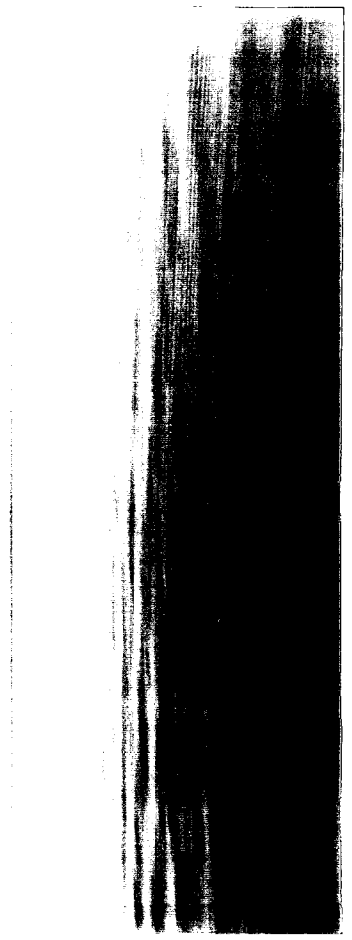
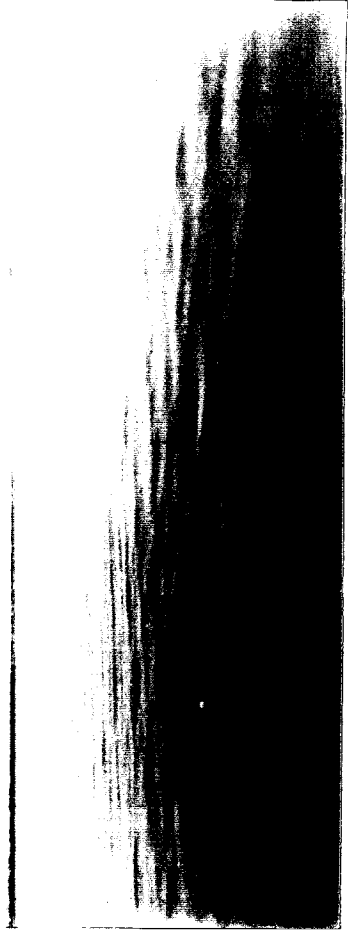
Site #235 (MBDR), Dog River, Mobile Bay.



Site #235 (MBDR), Dog River, Mobile Bay (from chart 11376).



Site #235 (MBDR), Dog River, Mobile Bay.



**GERG SITE NUMBER - 236**

**DESIGNATOR - MBHI**

**SITE - HOLLINGERS ISLAND CHANNEL, MOBILE BAY, AL**

**NOMINAL SITE CENTER - 30°33.80'N 88°04.50'W**

**LOCATED ON NOS CHART # - 11376**

**SITE ACCESS** - The launch point is at Dog River, which is south of I-10 on the Dauphin Island Parkway. Launch the boat at the Beach Comber ramp, and proceed out the Dog River channel to green channel marker "9". Turn southwest from the marker, and start poling to locate the small scattered oyster reefs.

**SITE DESCRIPTION** - This collection site is in the upper reaches of Mobile Bay, and is near the upper distributional limit for oysters within the bay. The oysters are located in 2 meters of water on small scattered reefs. Station 1 is about 100 meters southwest of the green channel marker "9" in the Dog River / Biloxi channel, and a similar distance southeast from a 4-legged wooden stand just to the east of the Dog River Marina. Station 2 is 50 meters to the south of Station 1 and Station 3 is another 50 meters to the south.

#### **OYSTER COLLECTIONS**

1995 This site was not scheduled to be sampled this year.

#### **SEDIMENT COLLECTIONS**

1995 No sediment samples were collected this year.

#### **SAMPLING METHODS**

Oysters - SS dredge  
Sediment - N/A

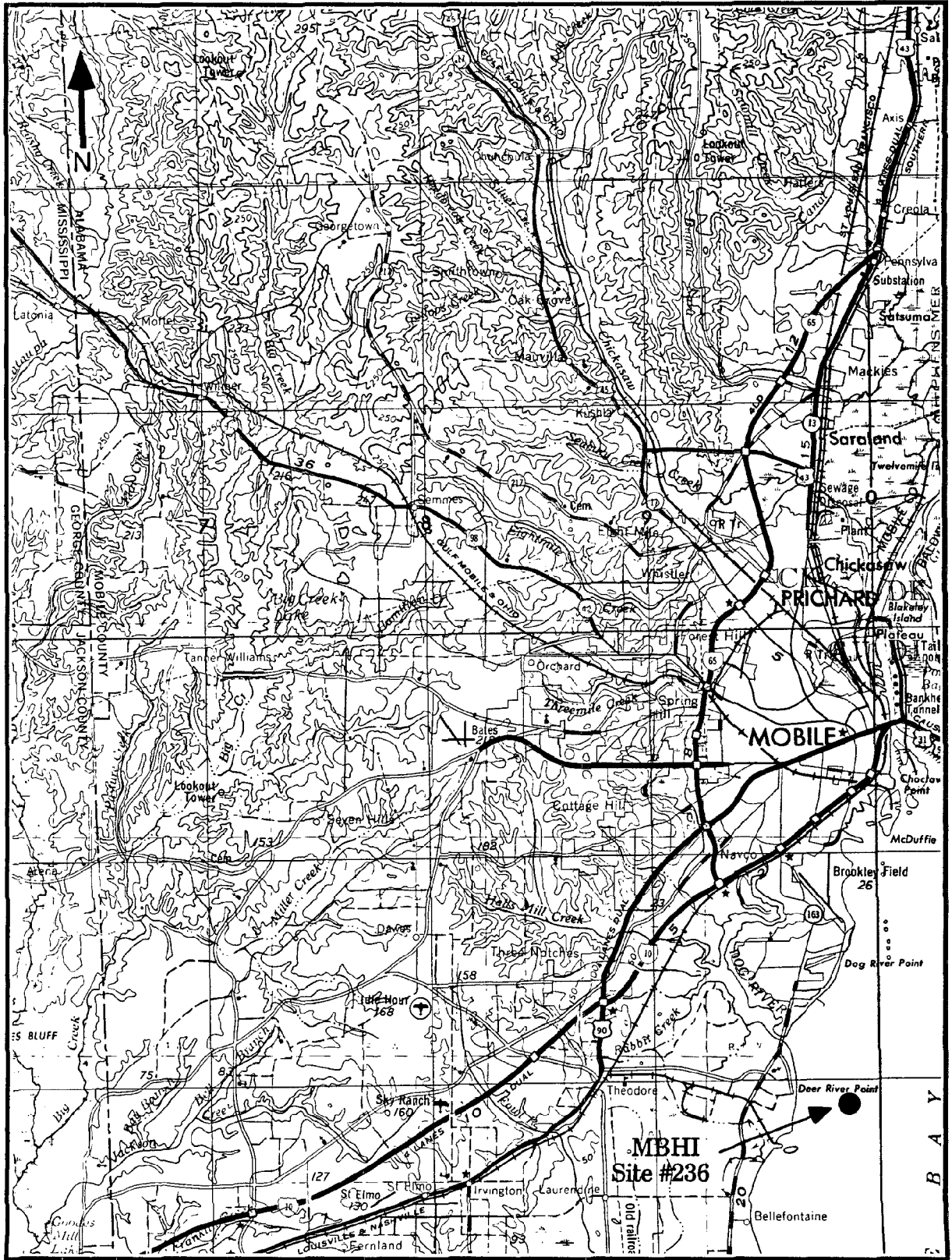
**WATER DEPTH** - subtidal, 2.0 to 2.5 m

**POSSIBLE CONTAMINANTS** - Potential sources of contamination in the region is from ship traffic, industry, and inflow from the Dog River which drains much of the Mobile area. The upper part of Mobile Bay is also heavily influenced by the polluted Mobile River, and the site is in an area closed to oystering by the Department of Health.

#### **ENVIRONMENTAL DATA**

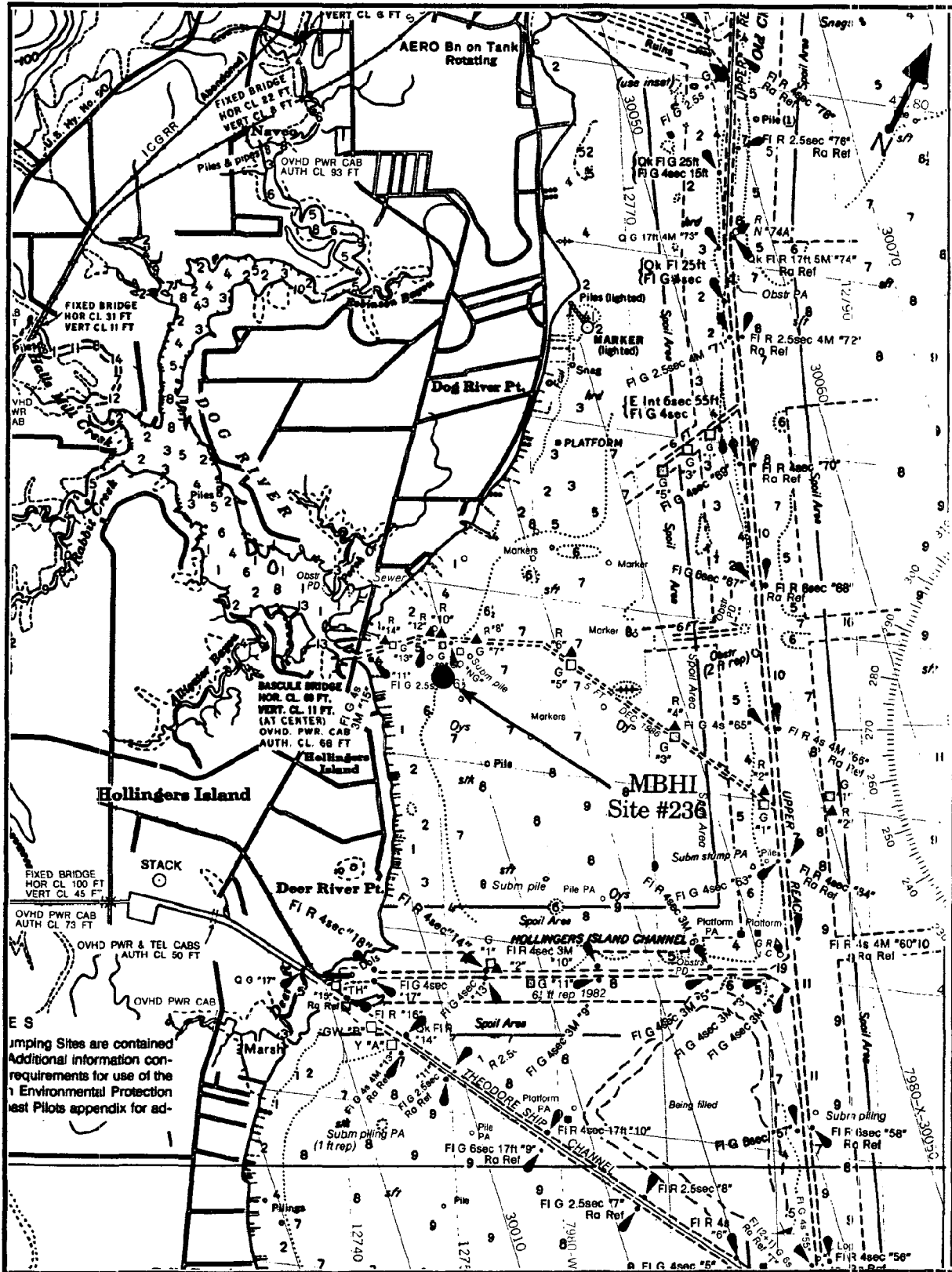
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



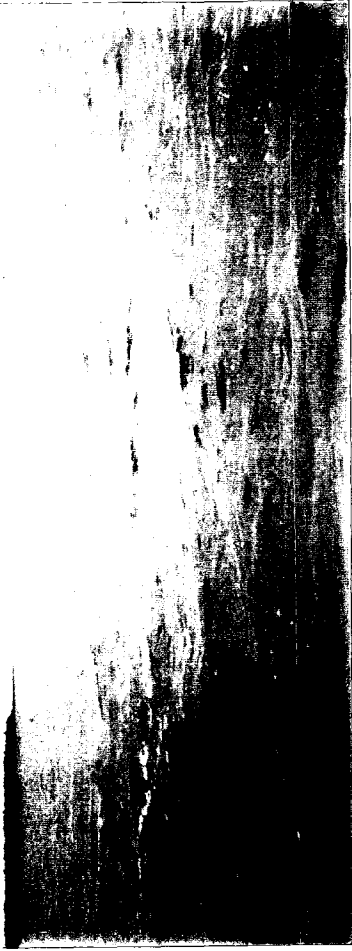


Site #236 (MBHI), Hollingers Island, Mobile Bay.





Site #236 (MBHI), Hollingers Island, Mobile Bay (from chart 11376).



Site #236 (MBHI), Hollingers Island, Mobile Bay.



**GERG SITE NUMBER - 237**

**DESIGNATOR - MBCP**

**SITE - CEDAR POINT REEF, MOBILE BAY, AL**

**NOMINAL SITE CENTER - 30°18.70'N 88°08.00'W**

**LOCATED ON NOS CHART # - 11378**

**SITE ACCESS** - The boat ramp is at the small bridge just north of the Dauphin Island causeway bridge. The site is located directly east of the middle part of Cedar Point. At low tide, the site can be reached by walking across the shallow sandbar at the north end of the reef. The site is 10 to 15 minutes by boat from the launch ramp.

**SITE DESCRIPTION** - The site is located on an oyster reef 400 meters offshore, and east from the highway leading to the causeway bridge to Dauphin Island. The reef is almost due east of the Cedar Point fishing pier, which is on the west side of the highway. Station 1 is at the south end of the reef, Station 3 is at the north end and Station 2 is in the middle. The total distance from Station 1 to Station 3 is no more than 150 meters.

**OYSTER COLLECTIONS**

*1995* The site was not scheduled to be sampled this year.

**SEDIMENT COLLECTIONS**

*1995* No sediment samples were collected this year.

**SAMPLING METHODS**

Oysters - SS dredge  
Sediment - N/A

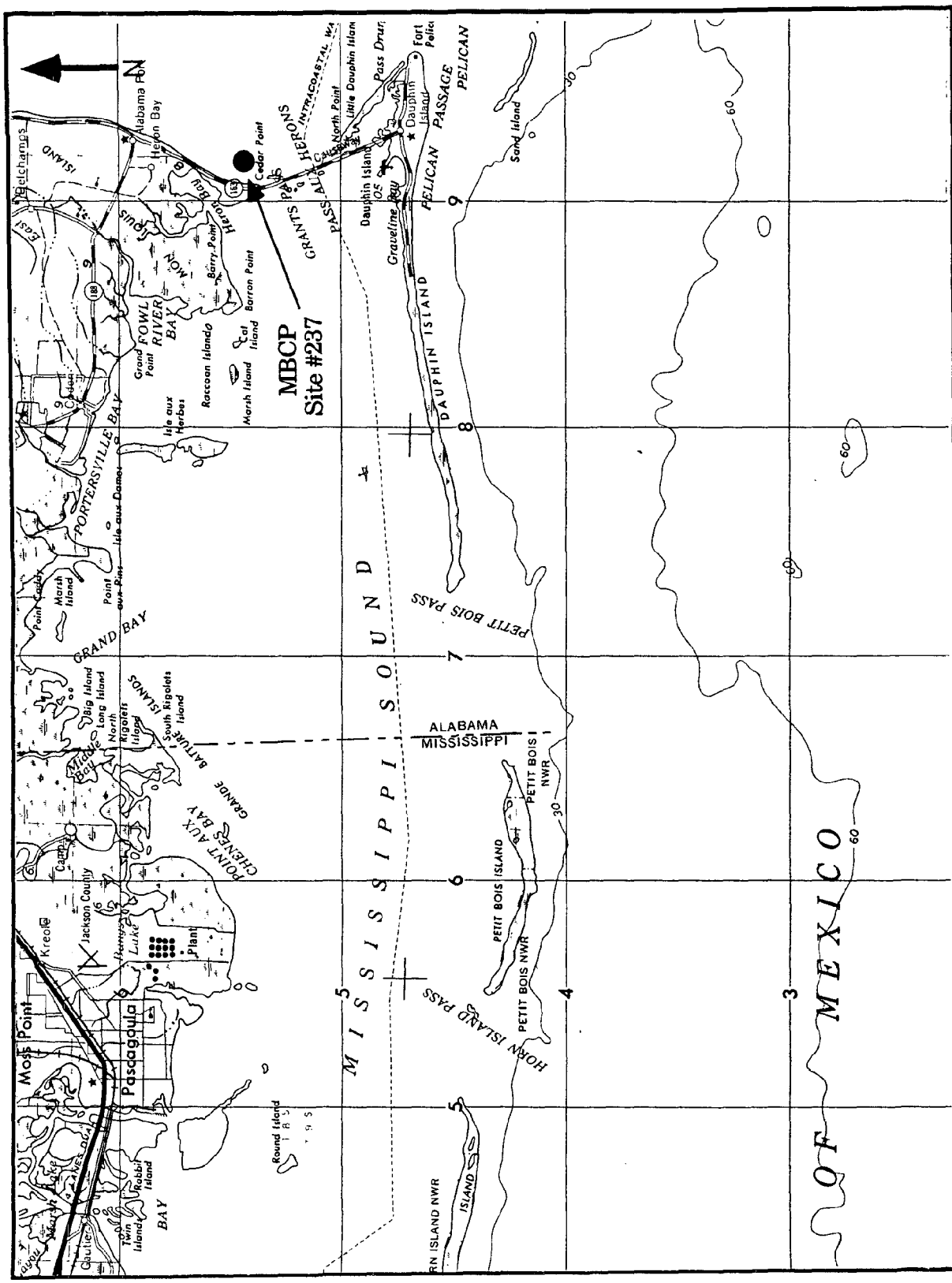
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There were no obvious visible point sources of contamination in the area.

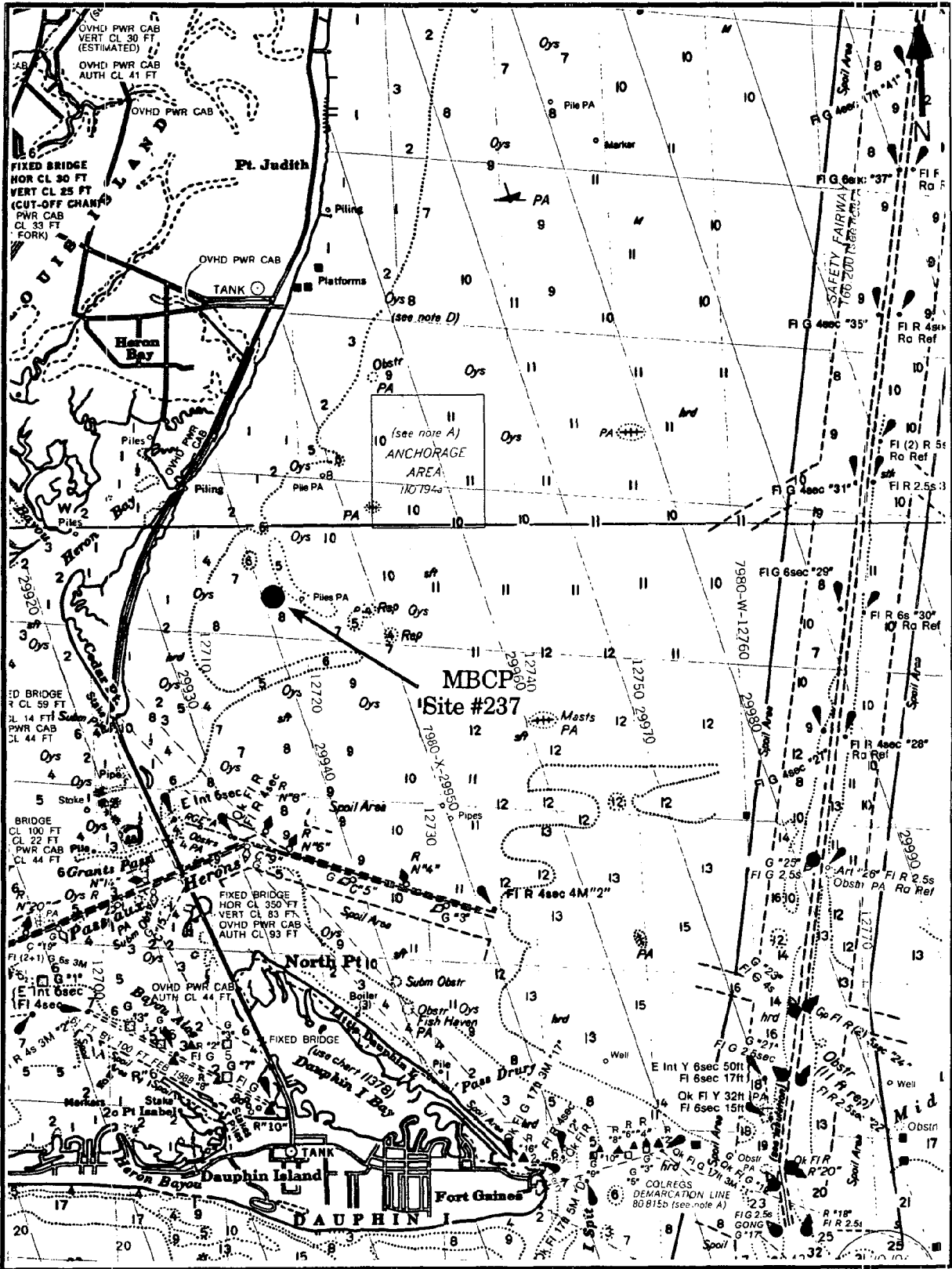
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A

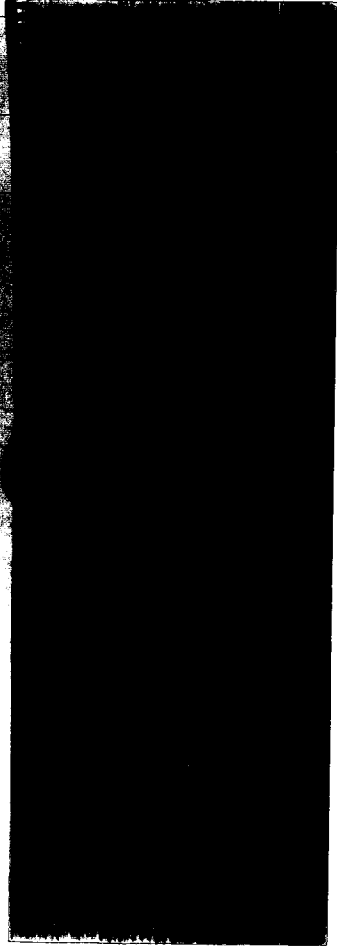
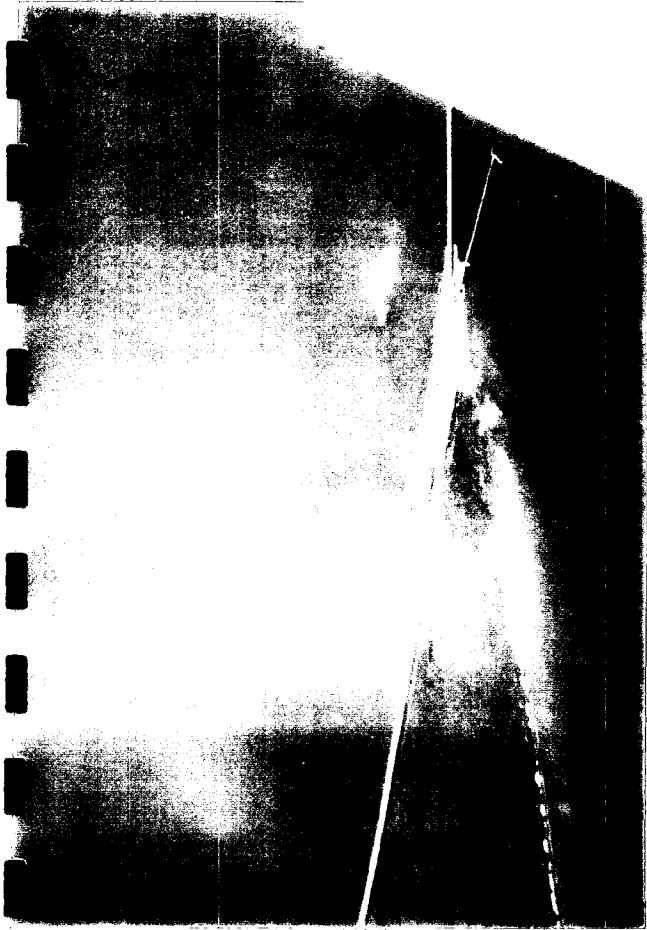




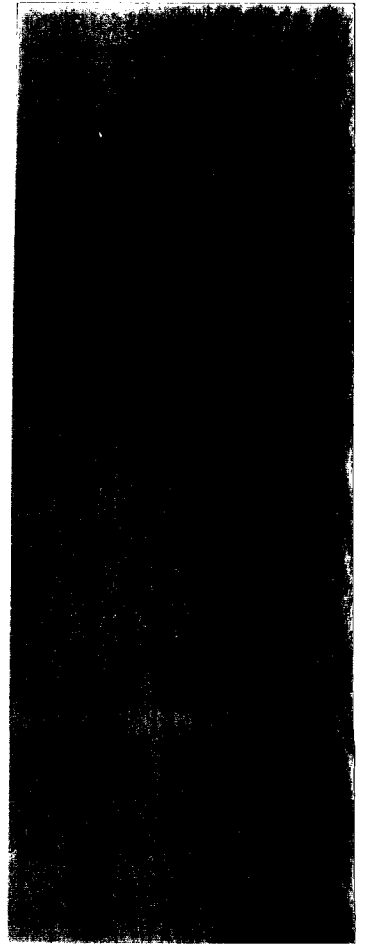
Site #237 (MBCP), Cedar Point Reef, Mobile Bay.



Site #237 (MBCP), Cedar Point Reef, Mobile Bay (from chart 11376).



Site #237 (MBCP), Cedar Point Reef, Mobile Bay.



## MISSISSIPPI SITES

**GERG SITE NUMBER - 238**

**DESIGNATOR - MSPB**

**SITE - PASCAGOULA BAY, MISSISSIPPI SOUND, MS**

**LATITUDE 30°20.14'N 88°35.17'W**

**LOCATED ON NOS CHART # - 11375**

**SITE ACCESS** - To reach the boat ramp on the Pascagoula River, turn off Highway 90 onto Market Street and head south. When the road dead-ends at the beach, turn right and drive west to the end of the road. The boat is launched at the public ramp in the channel leading into Lake Yazoo. Then, by boat, proceed west to the northwest corner of Singing River Island. Run time to the site is less than 10 minutes.

**SITE DESCRIPTION** - The site is located just west of the south end of the new causeway going to the Naval Base on Singing River Island, near the mouth of the West Pascagoula River. Oysters are generally abundant, and were found by poling on the subtidal reef. Station 1 is 100 meters offshore next to the causeway, Station 2 is 50 meters farther south and Station 3 is another 50 meters to the south.

### OYSTER COLLECTIONS

1995 The site was not scheduled to be sampled this year.

### SEDIMENT COLLECTIONS

1995 No sediment samples were collected this year.

### SAMPLING METHOD

Oysters - SS dredge  
Sediment - N/A

**WATER DEPTH** - subtidal, 1.0 - 1.5 m

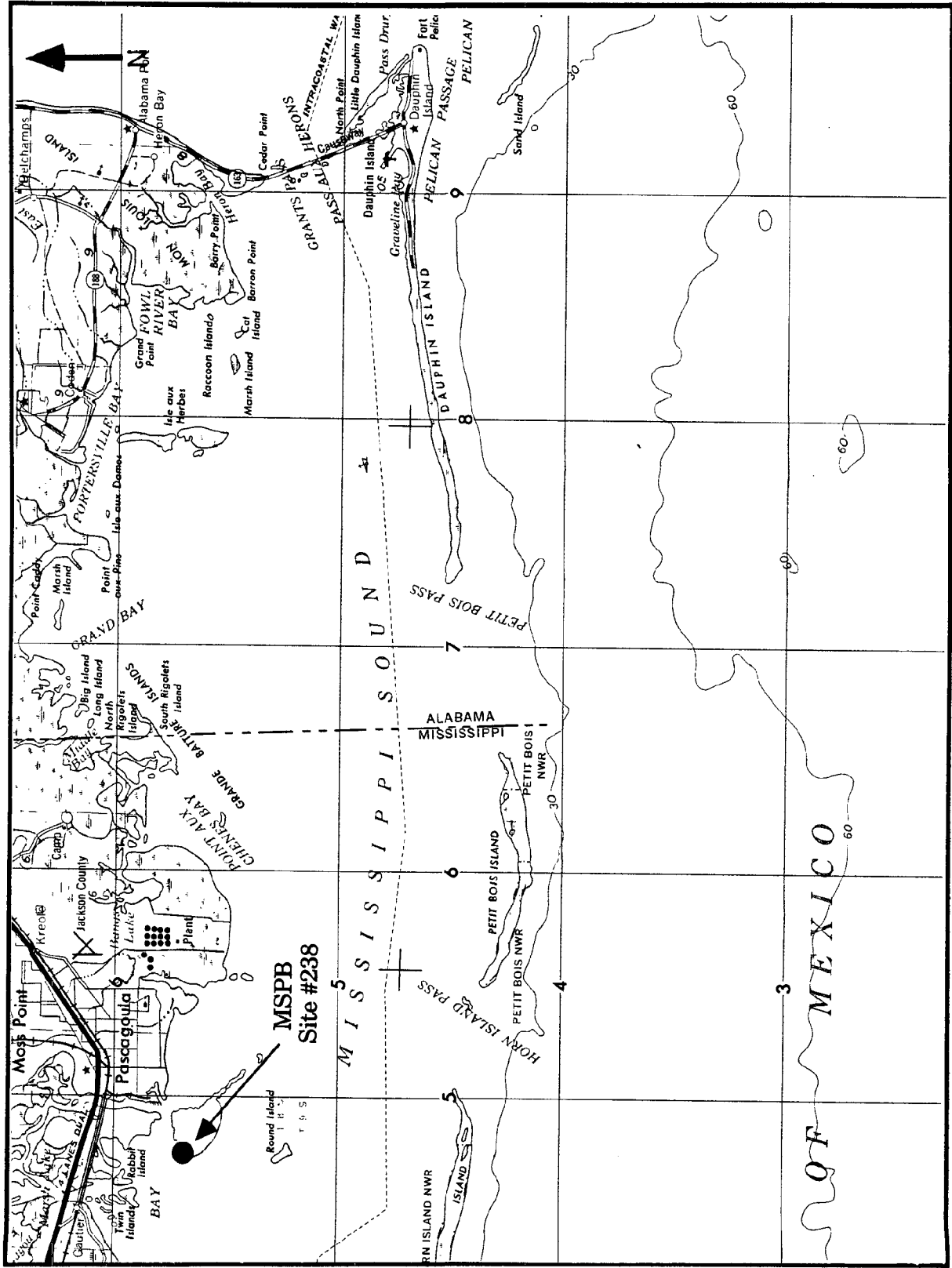
**POSSIBLE CONTAMINANTS** - Possible contamination sources included the Pascagoula River, the City of Pascagoula, the Naval Ship Yard, heavy marine traffic and the nearby industrial complex.

### ENVIRONMENTAL DATA

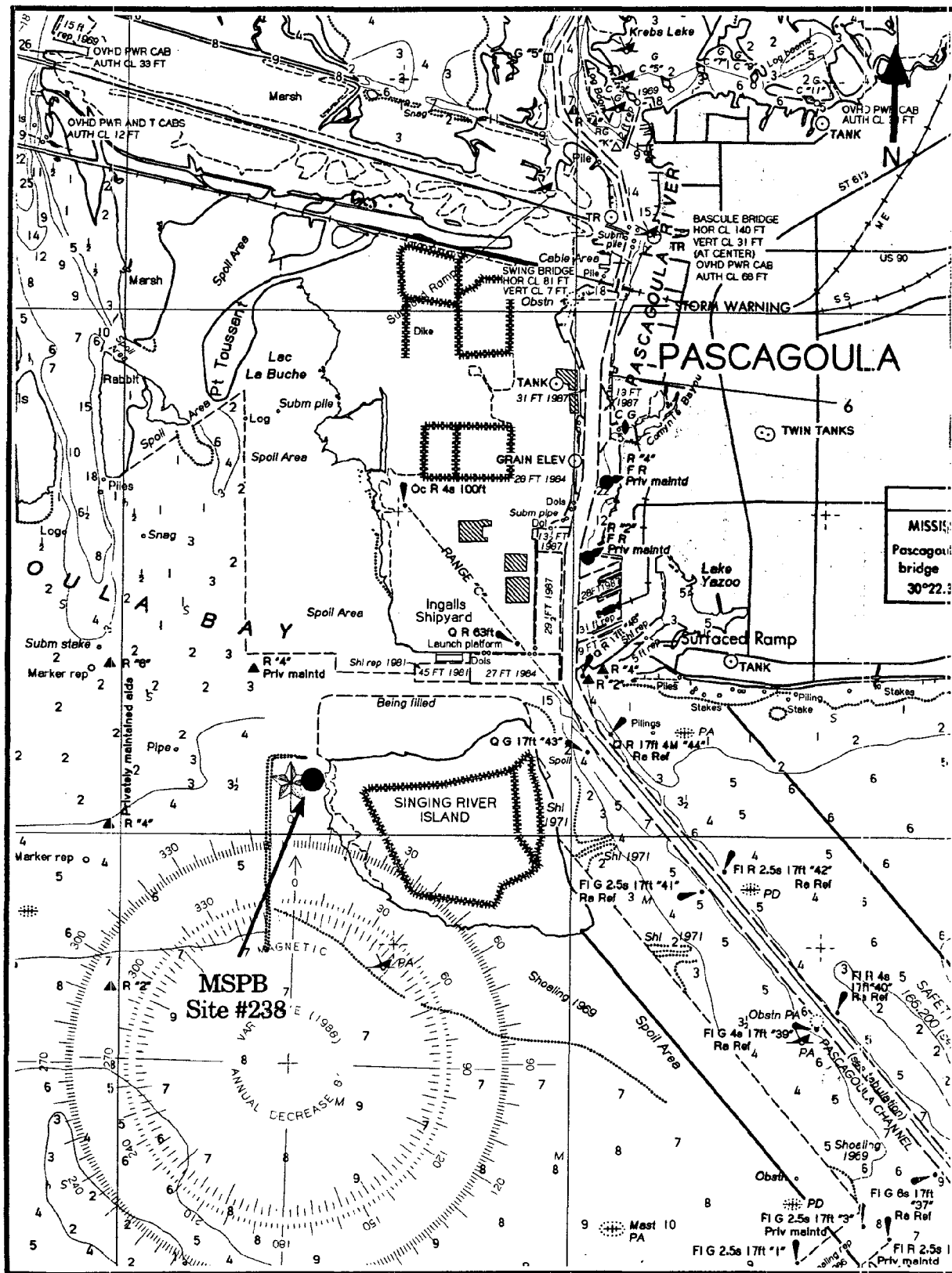
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



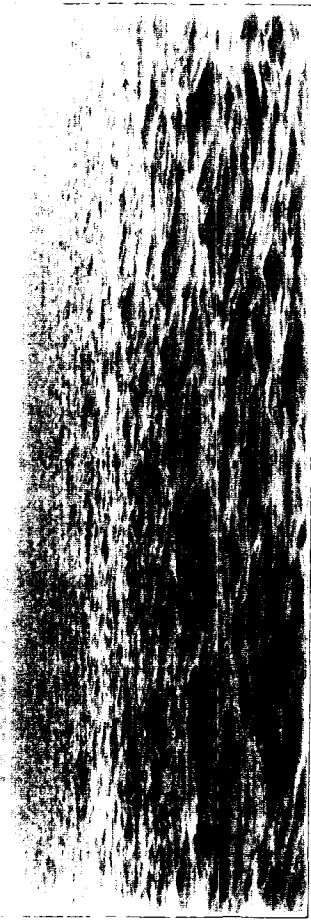




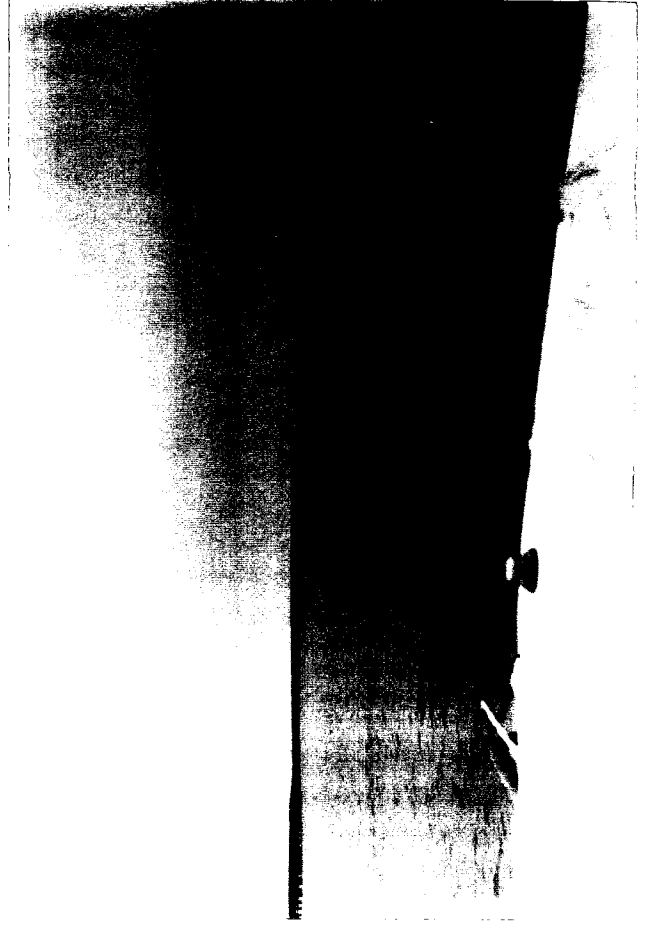
Site #238 (MSPB), Pascagoula Bay, Mississippi Sound.



Site #238 (MSPB), Pascagoula Bay, Mississippi Sound (from chart 11374).



Site #238 (MSPB), Pascagoula Bay, Mississippi Sound.



**GERG SITE NUMBER - 239**

**DESIGNATOR - MSBB**

**SITE - BILOXI BAY, MISSISSIPPI SOUND, MS**

**NOMINAL SITE CENTER - 30°23.55'N 88°51.45'W**

**LOCATED ON NOS CHART # - 11372**

**SITE ACCESS** - No boat is necessary, since this is a walk up site. Access to the site is via automobile, parking at the Gulf Coast Research Lab Marine Education Center off Highway 90 at the Biloxi-Ocean Springs bridge.

**SITE DESCRIPTION** - The sample area is located along the shoreline in intertidal waters, where the oysters are collected from the concrete bulkhead, rocks and debris. Station 1 oysters were collected from the bulkhead and first set of pilings at the west end of the bridge, Station 2 was located on the seawall between the 4th and 5th set of pilings and Station 3 was located between the 8th and 9th set of pilings from the western end of the bridge. All three stations are about 50 meters apart.

#### **OYSTER COLLECTIONS**

*1995* Small to medium sized oysters were abundant on the brick and concrete rubble forming the seawall. The oysters were in singles and clusters and the shells were very fragile.

#### **SEDIMENT COLLECTIONS**

*1995* No sediment samples were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

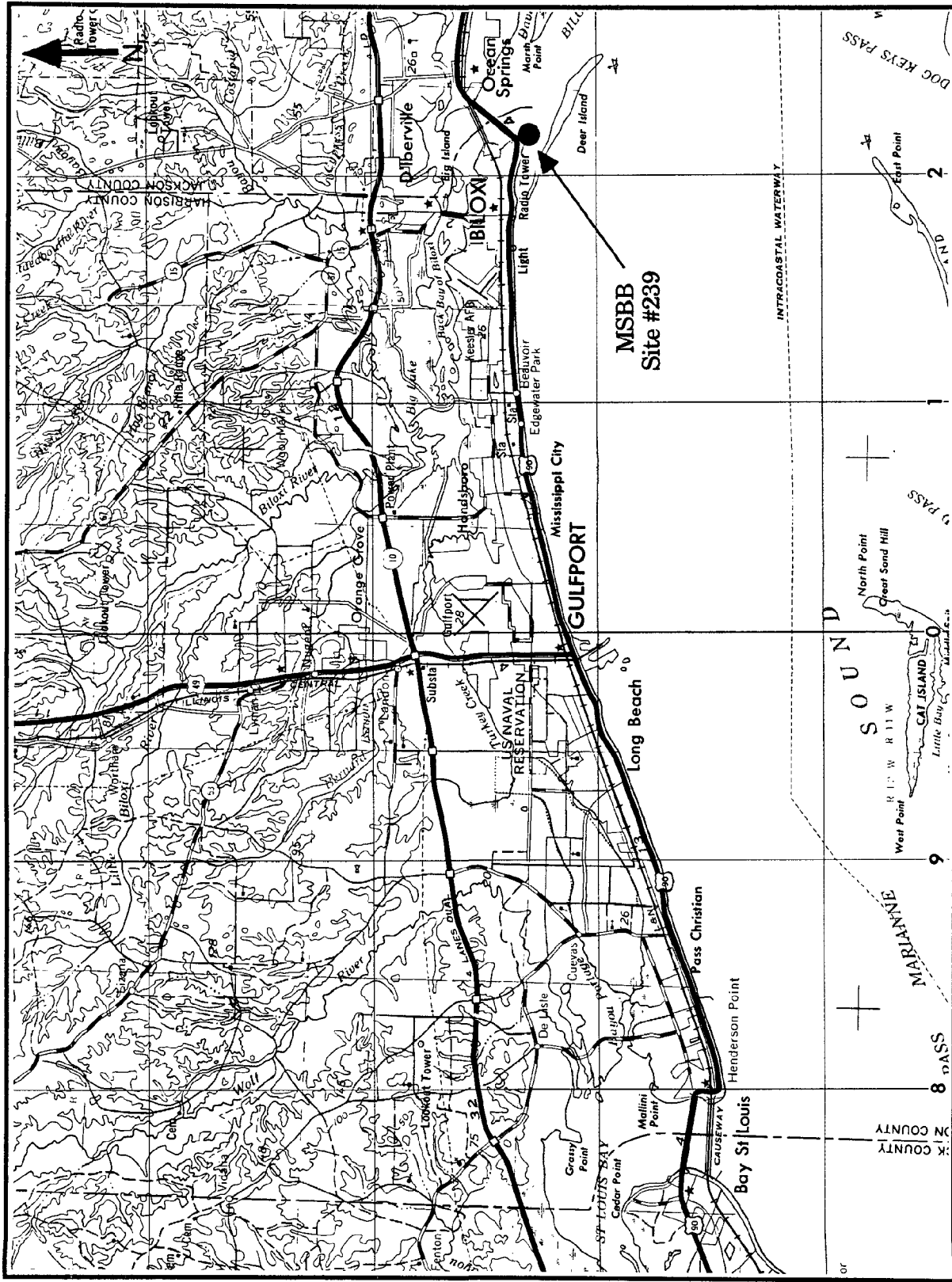
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - Possible contamination factors included marine traffic and city pollution.

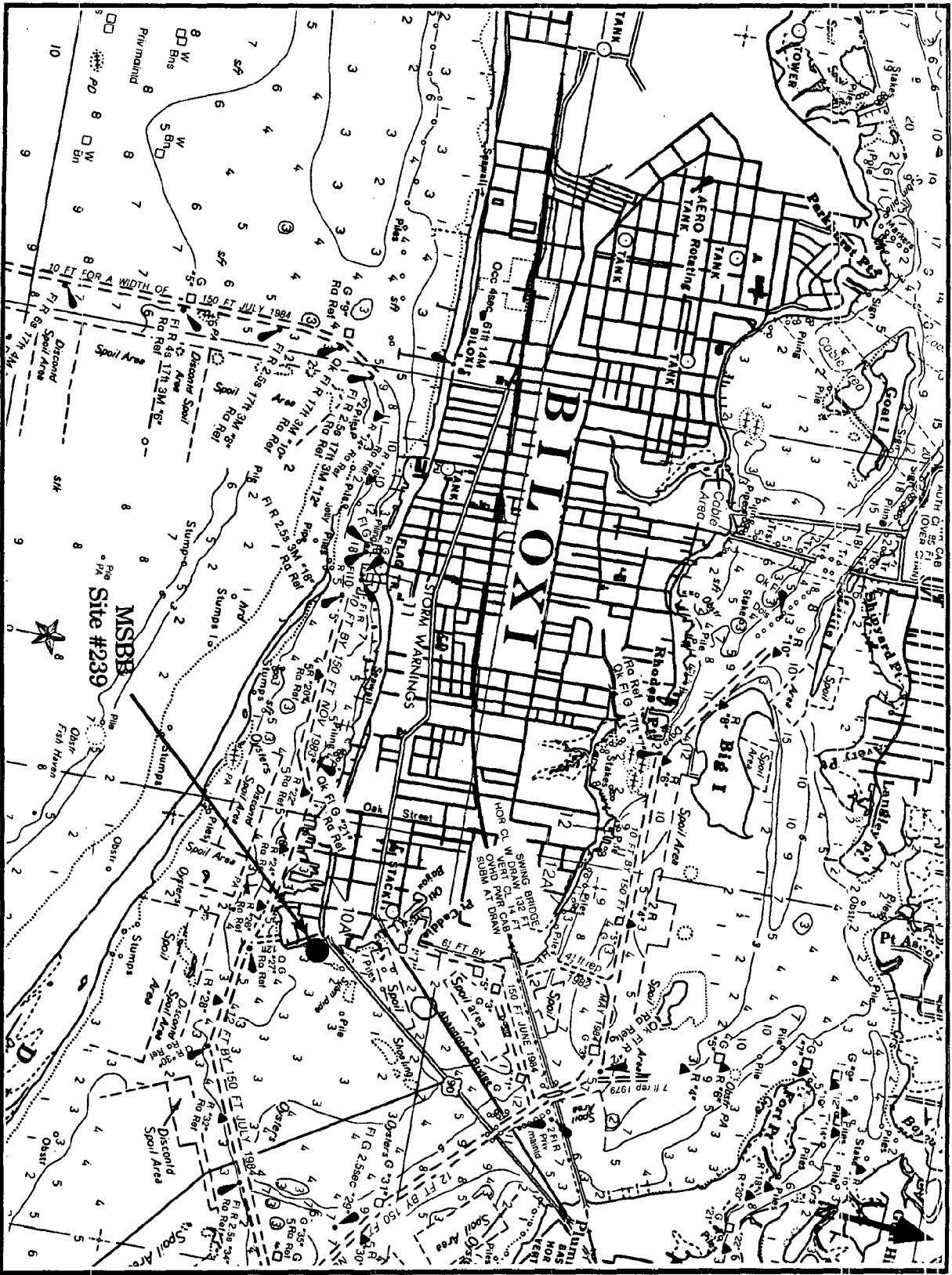
#### **ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	11.0	15.0	17 January 1995



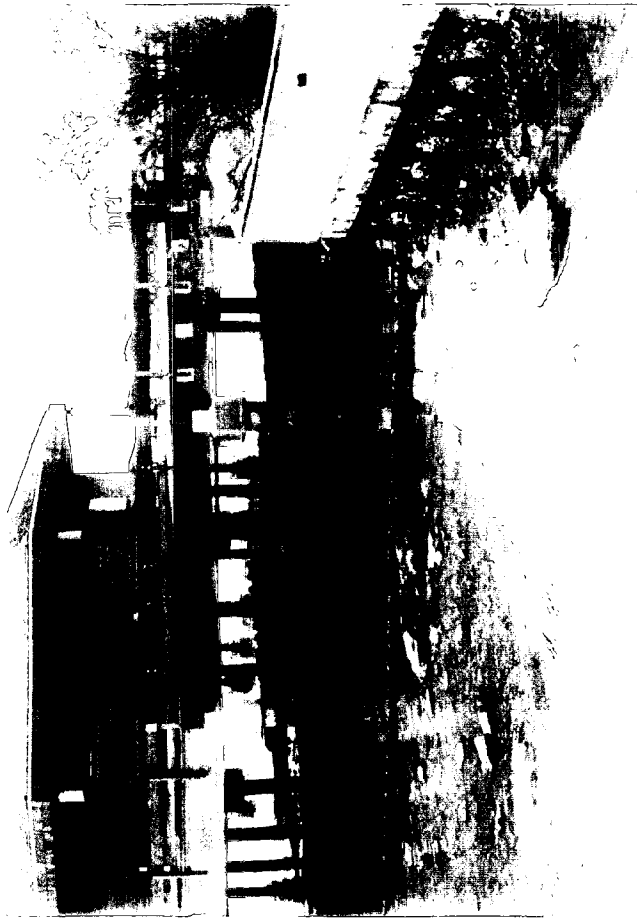


Site #239 (MSBB), Biloxi Bay, Mississippi Sound.

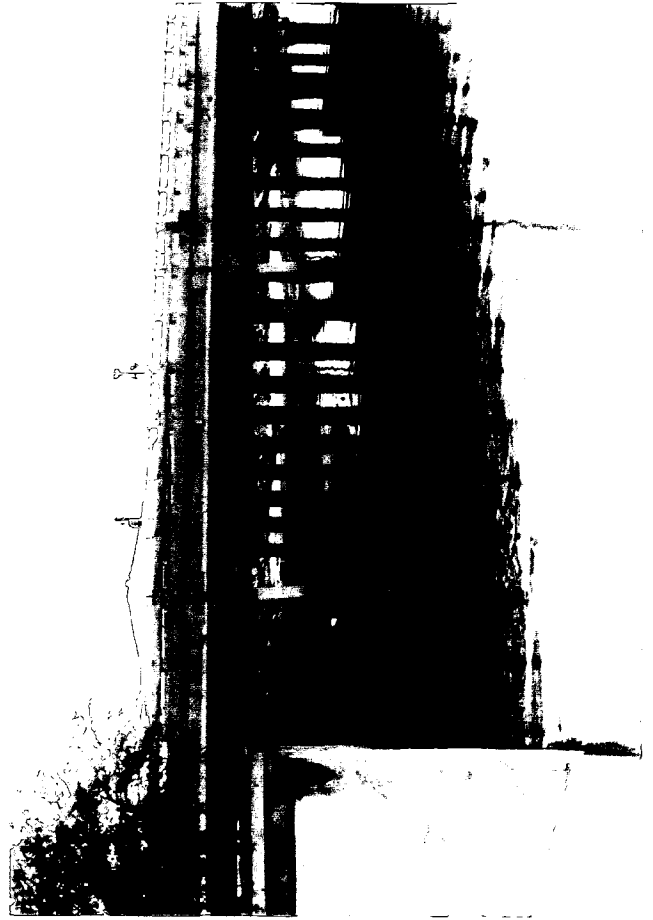


Site #239 (MSBB), Biloxi Bay, Mississippi Sound (from chart 11372).





Site #239 (MSBB), Biloxi Bay, Mississippi Sound.



**GERG SITE NUMBER - 240**

**DESIGNATOR - MSPC**

**SITE - PASS CHRISTIAN, MISSISSIPPI SOUND, MS**

**NOMINAL SITE CENTER - 30°18.12'N 89°19.62'W**

**LOCATED ON NOS CHART # - 11372**

**SITE ACCESS** - This site is accessible via automobile, taking the first exit on the west side of the Highway 90 bridge between Bay St. Louis and Pass Christian. Follow the road south along the shoreline to Veterans Pier. A boat ramp is located on the south side of the jetty/pier, which is necessary for the sediment sampling.

**SITE DESCRIPTION** - At the pier, oysters are found attached to the rocks and rubble, and along the muddy sand bottom. The oysters are intertidal, and accessibility is easiest at low tide. Station 1 is on the north side of the jetty, Station 2 is on the seaward side of the "T" end of the jetty and Station 3 is on the south side of the jetty. An alternate site lies some 1.65 nautical miles to the northeast (bearing 57°). Here the oysters are located on a submerged reef, which parallels the Highway 90 bridge. The reef is 10 meters south of the bridge, on the east side of the channel in 2.5 meters of water. GPS coordinates for this reef are 30°18.87 N and 89°18.05 W.

**OYSTER COLLECTIONS**

1995 The site was not scheduled to be sampled this year.

**SEDIMENT COLLECTIONS**

1995 No sediment samples were collected this year.

**SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

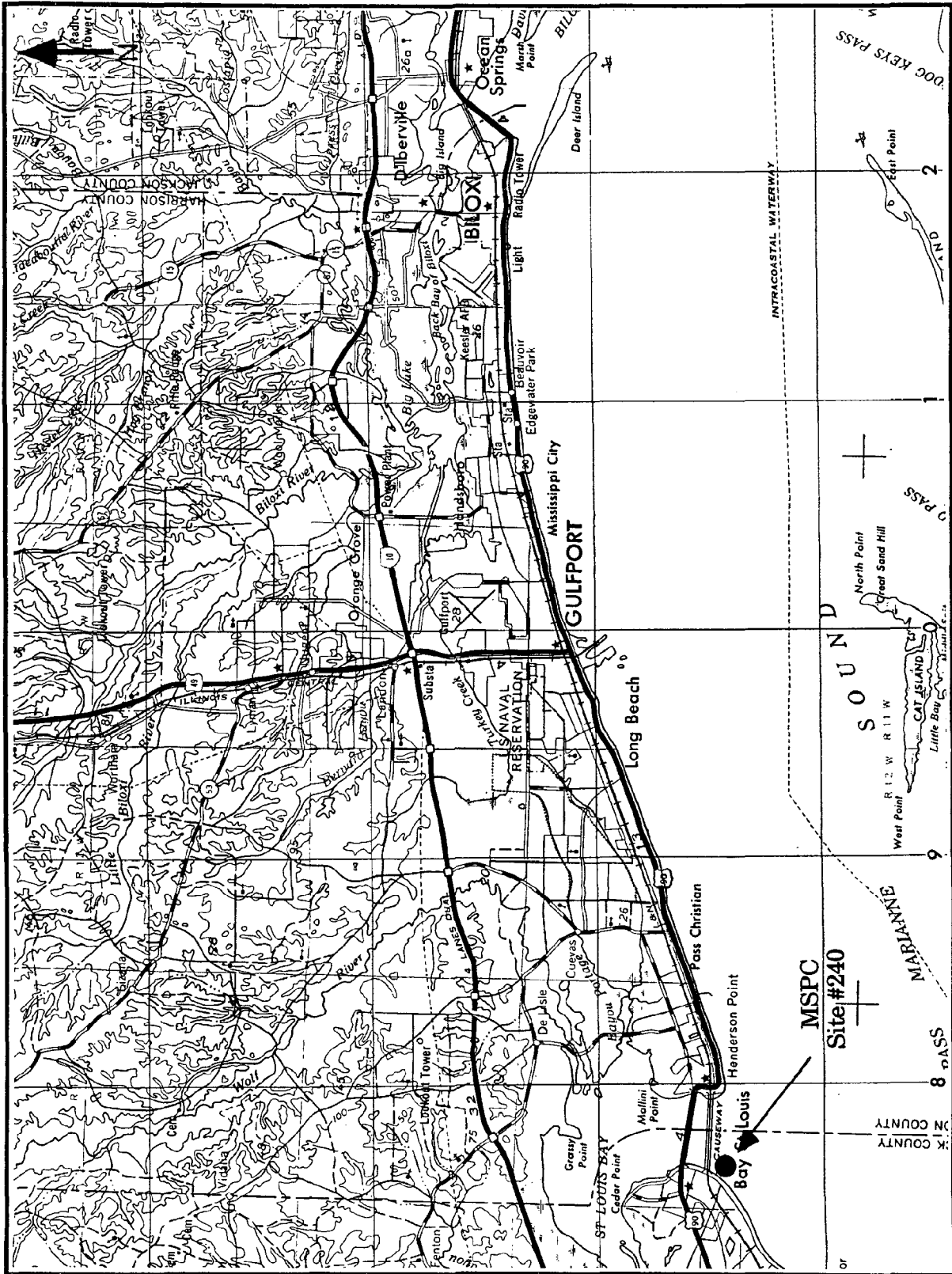
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There were no obvious visible point sources of contamination nearby.

**ENVIRONMENTAL DATA**

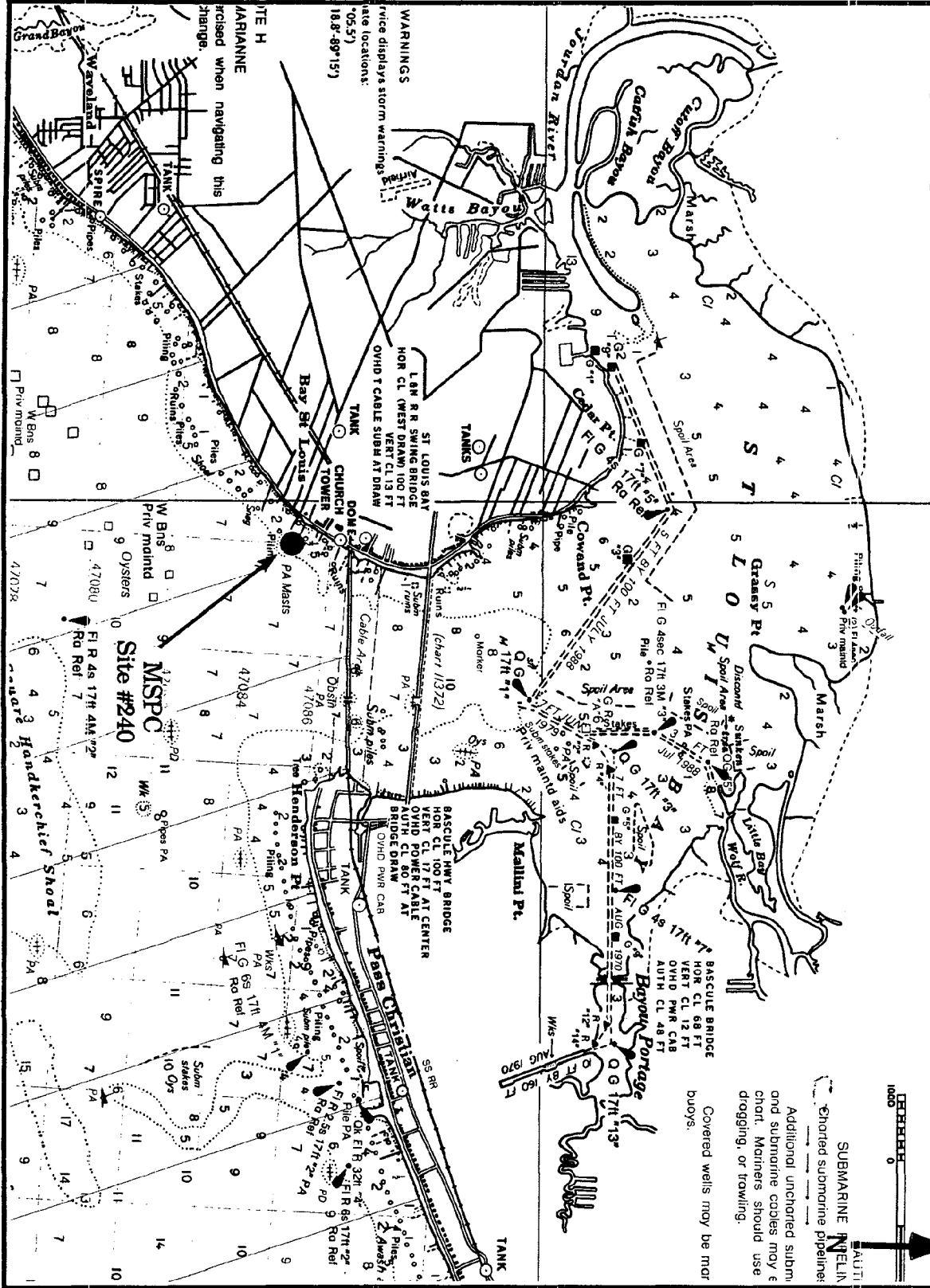
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



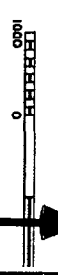


Site #240 (MSPC), Pass Christian, Mississippi Sound.

U.S. Coast Guard Light List for supplemental  
 information concerning aids to navigation.



Submarine Pipeline  
 Chorded submarine pipelines  
 Additional uncharted submarine cables may be charted. Mariners should use dragging, or trawling.  
 Covered wells may be marked by buoys.



Site #240 (MSPC), Pass Christian, Mississippi Sound (from chart 11372).



Site #240 (MSPC), Pass Christian, Mississippi Sound.



## LOUISIANA SITES

**GERG SITE NUMBER** - 241

**DESIGNATOR** - LPNO

**SITE** - NEW ORLEANS, LAKE PONTCHARTRAIN, LA

**NOMINAL SITE CENTER** - 30°02.18'N 90°02.48'W

**LOCATED ON NOS CHART #** - 11369

**SITE ACCESS** - Access to the site is via boat, launched at the public ramp located under the Shoreline Drive bridge over the Inner Harbor Channel. The site is located just to the north of the ramp, on the southern edge of Lake Pontchartrain. Travel time to the site is less than 5 minutes. This site cannot be sampled when there is a strong north wind, due to the high waves that develop.

**SITE DESCRIPTION** - This site was originally designated - LPGO, Lake Pontchartrain, Gulf Outlet. The name was changed in 1995, as the site is actually located just off the New Orleans shoreline on the south side of Lake Pontchartrain. The site is located approximately 1 km northwest of the bridge, and to the west of the New Orleans Lakefront Airport. Oysters occur at this site, due to a deep salt water wedge that enters through the Inner Harbor Channel, from the Mississippi River. The high salinity water allows the oysters to exist in the deeper water on the bottom of Lake Pontchartrain, near the outlet. Station 1 is located some 400 meters north of the U.S. Naval-Marine Corps Reserve Station, Station 2 is 100 meters north of the two tall light poles on the shore and Station 3 is 100 meters northeast of Station 2, and about 200 meters offshore.

### OYSTER COLLECTIONS

*1995* The oyster stations were located along the edge of the channel in deep water. Small to medium sized oysters were very sparse as the Louisiana Fish and Wildlife Department have removed most of them in a replanting project. Stations were not distinguished due to the sparse population. Two hours of dredging was required to obtain sufficient oysters for the analytical work. This station could improve in future years, since the area is closed to commercial luggers.

### SEDIMENT COLLECTIONS

*1995* No sediment samples were collected this year.

### SAMPLING METHODS

Oysters - SS dredge  
Sediment - N/A

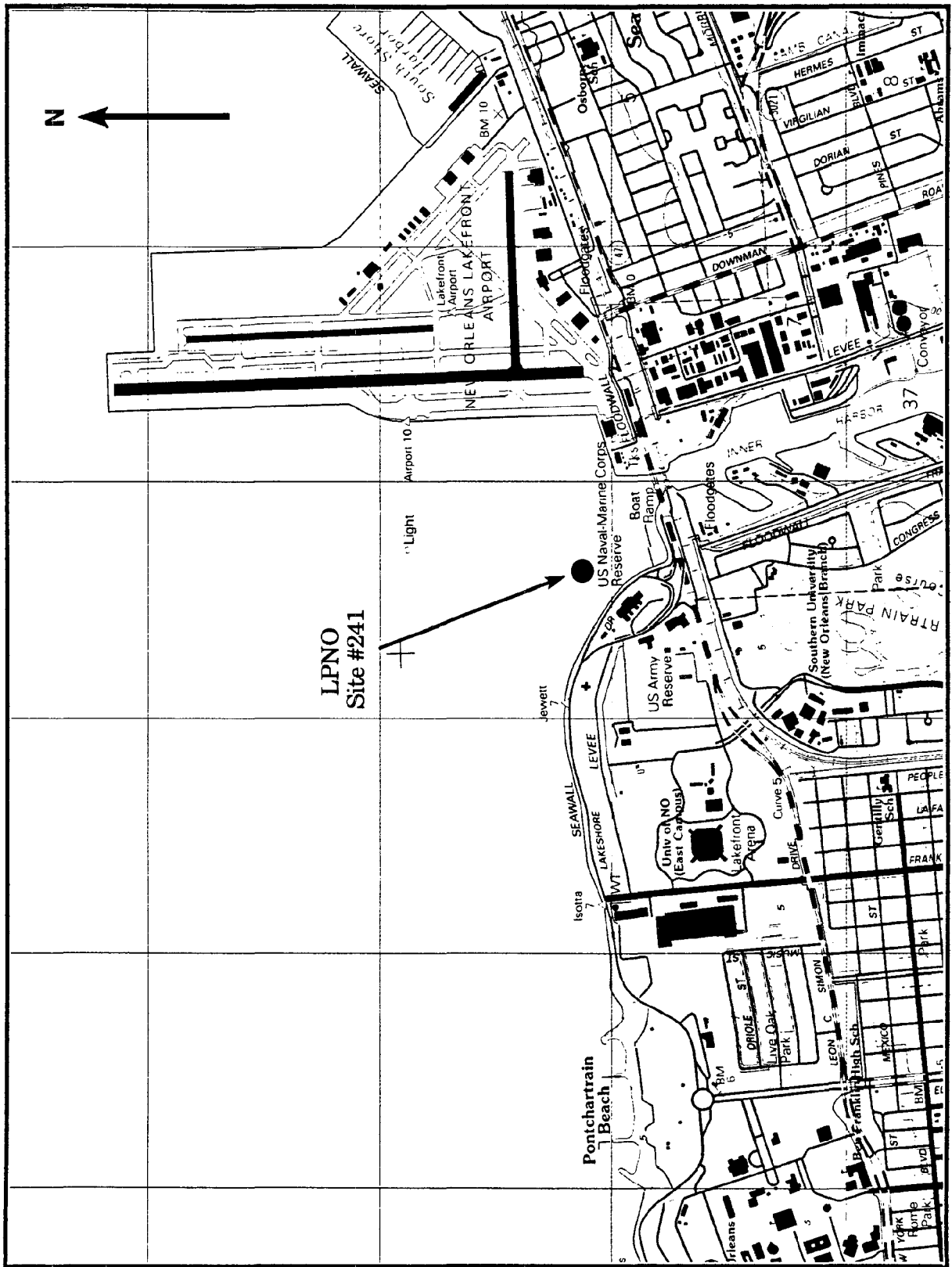
**WATER DEPTH** - Subtidal, 4.0 m

**POSSIBLE CONTAMINANTS** - No obvious visible pollution sources were evident, but Lake Pontchartrain drains through this outlet and tidal water from New Orleans flushes back into the lake here. There is also heavy boat and barge traffic in the nearby channel into the Inner Harbor. The nearby Lakefront Airport could also be a pollution factor.

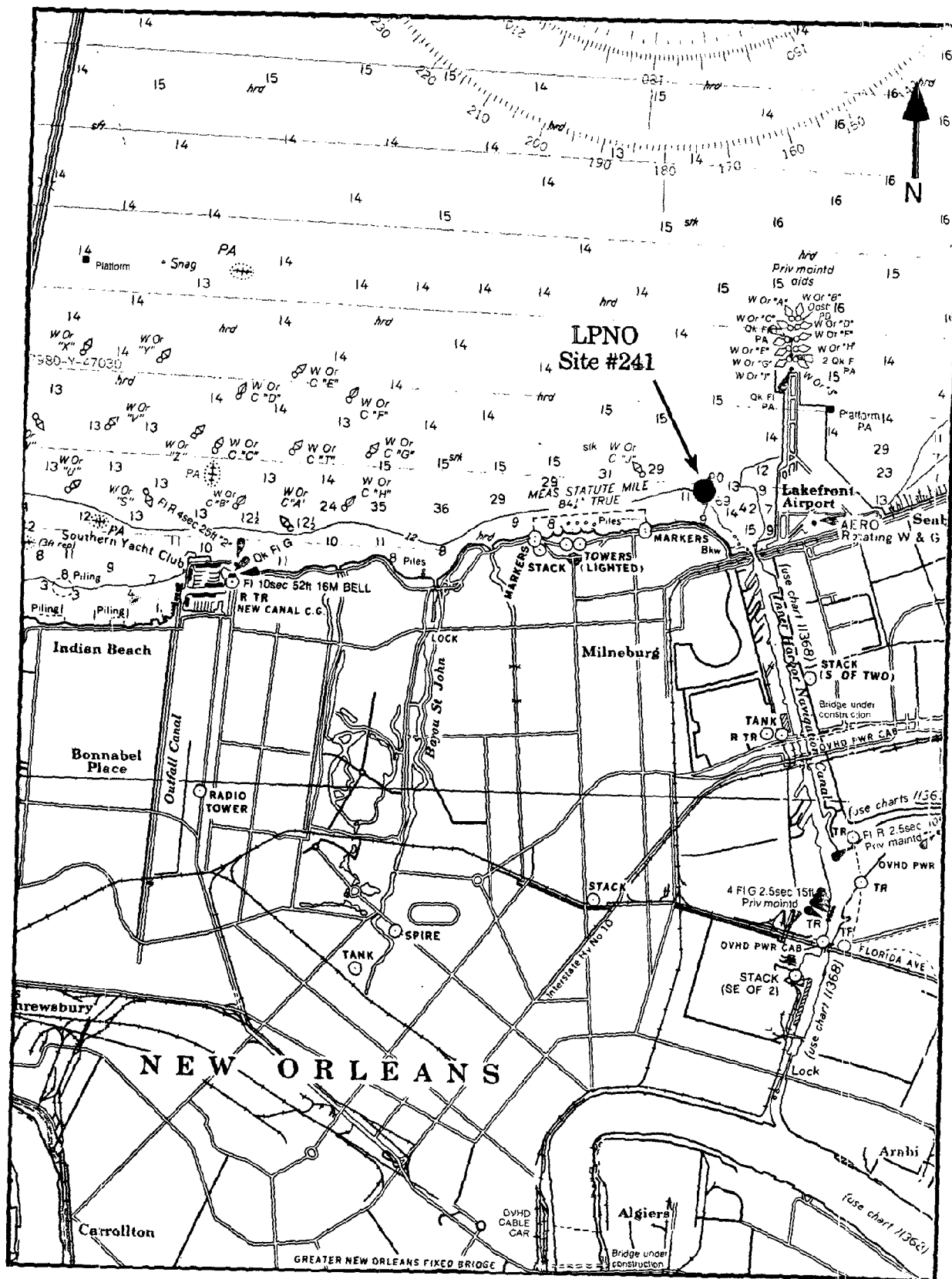
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	8.0	12.0	17 January 1995





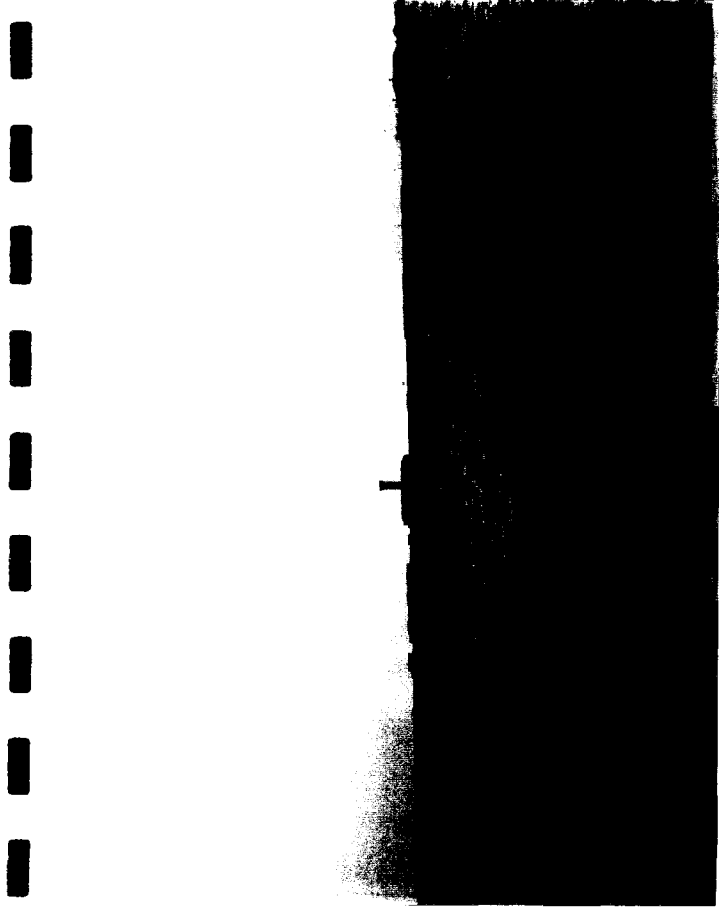
Site #241 (LPNO), New Orleans, Lake Pontchartrain.



Site #241 (LPNO), New Orleans, Lake Pontchartrain (from chart 11369).



Site #241 (LPNO), New Orleans, Lake Pontchartrain.



**GERG SITE NUMBER - 242**

**DESIGNATOR - LBGO**

**SITE - GULF OUTLET, LAKE BORGNE, LA**

**NOMINAL SITE CENTER - 29°56.55'N 89°50.02'W**

**LOCATED ON NOS CHART # - 11371**

**SITE ACCESS** - Access is by boat launched at the marina north of Chalmette, off LA Highway 47. From the marina, travel north to Bayou Bienvenue, then east to the first channel or continue on to the Mississippi River Gulf Outlet Canal. Turn right (southeast) and continue on for 5 miles, then turn left into Lake Borgne at the red channel marker "116". An alternate boat ramp/lift is at Shell Beach, off of LA Highway 39. At Shell Beach, launch in Bayou Yscloskey and proceed northeast to the Mississippi River Gulf Outlet, then northwest up the Outlet to the red channel marker "116".

**SITE DESCRIPTION** - This site was originally designated LBNO, Lake Borgne New Orleans. The name was changed in 1995, as the site is located just off the Gulf Outlet and not in New Orleans. The site is located just inside the pass into the lake, along the south shore and is to the south of the Martello Castle. Station 1 is located 200 meters southeast of the Castle and 50 meters northwest of two poles with the signs "DANGER - OYSTER REEFS". Station 2 is 50 meters south-southeast from Station 1 and offshore from the poles, while Station 3 is a further 50 meters to the south-southeast. All three stations were sampled some 25 meters out from the shoreline.

#### **OYSTER COLLECTIONS**

*1995* This site was not scheduled to be collected this year, but was added in as an alternate site when BBTB (Barataria Bay, Turtle Bay) was discovered to be devoid of any live oysters. Small to medium sized oysters were found across the entire area, occurring in singles and clusters. All of the oysters had a heavy growth of mussels on their shells.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHODS**

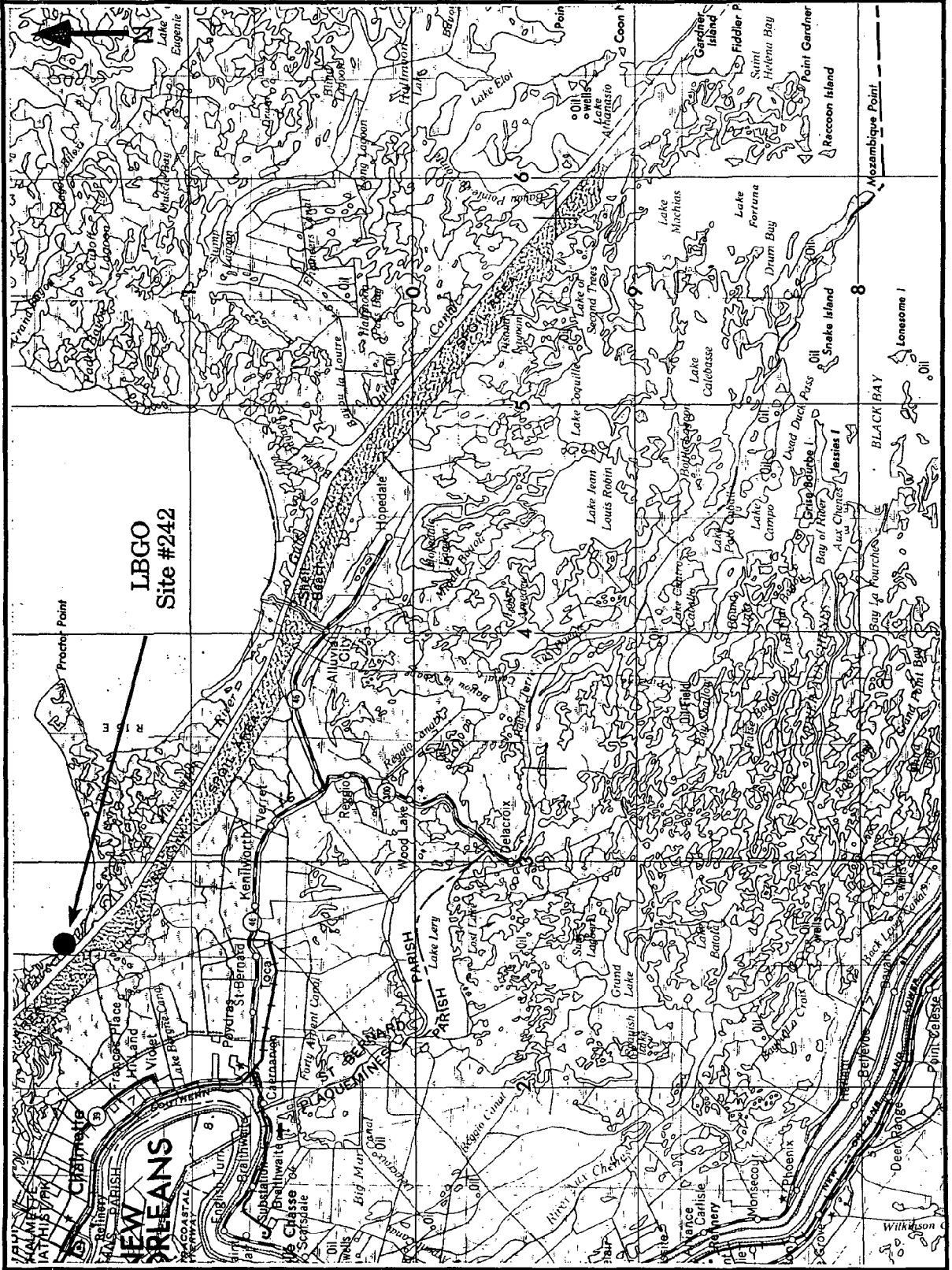
Oysters - hand  
Sediment- N/A

**WATER DEPTH** - intertidal, 0.1 - 0.2 m

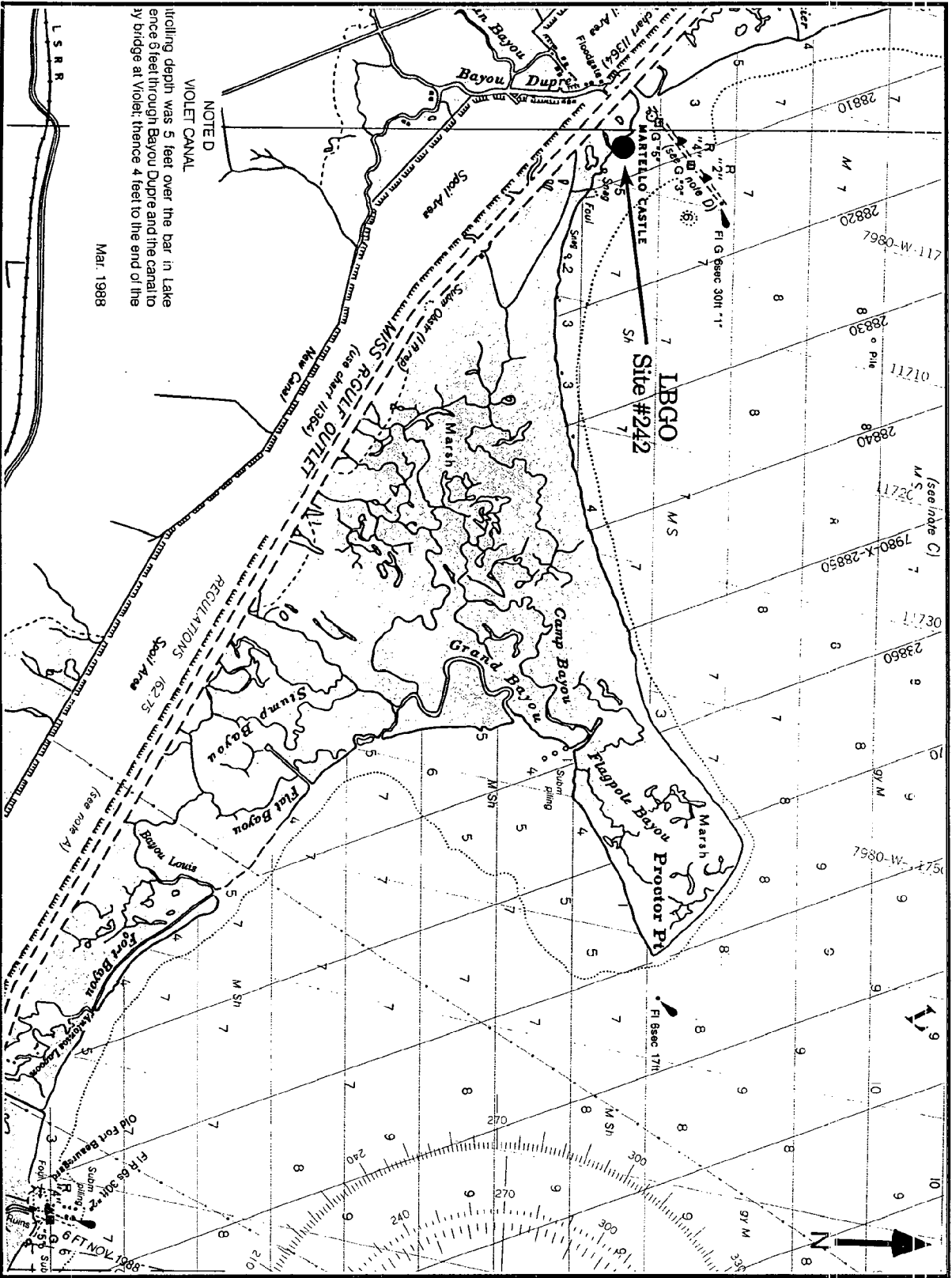
**POSSIBLE CONTAMINANTS** - No obvious pollution sources were evident. However, the Mississippi River Gulf Outlet drains the New Orleans area and does support a great deal of barge and ship traffic.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	4.0	12.0	16 January 1995



Site #242 (LBOG), Gulf Outlet, Lake Borgne.



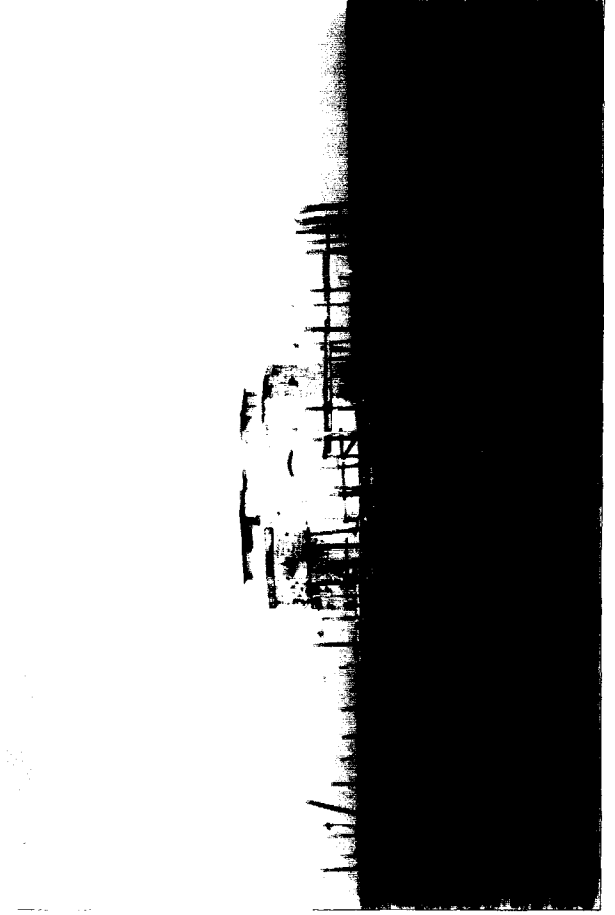
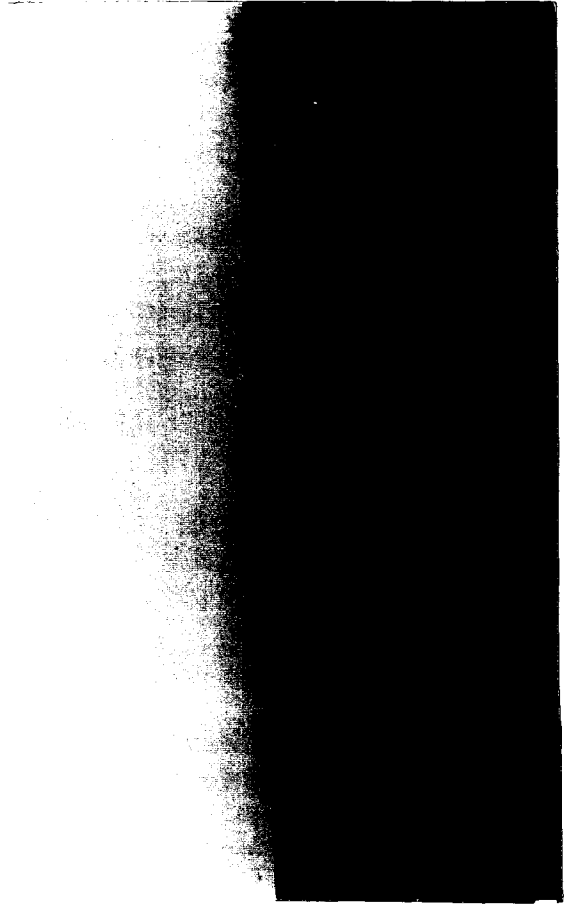
NOTED  
 VIOLET CANAL  
 Intolling depth was 5 feet over the bar in Lake  
 ence 5 feet through Bayou Dupre and the canal to  
 by bridge at Violet; thence 4 feet to the end of the

Mar. 1988

Site #242 (LBGO), Gulf Outlet, Lake Borgne (from chart 11371).



Site #242 (LBGO), Gulf Outlet, Lake Borgne.





**GERG SITE NUMBER - 243**

**DESIGNATOR - LBMP**

**SITE - MALHEUREUX POINT, LAKE BORGNE, LA**

**NOMINAL SITE CENTER - 29°52.02'N 89°40.71'W**

**LOCATED ON NOS CHART # - 11364**

**SITE ACCESS** - Access to the site is via LA Highway 39 to Shell Beach. At Shell Beach, launch in Bayou Yscloskey and proceed northeast across the Mississippi River Gulf Outlet and into Lake Borgne. Proceed around to the west side of Old Fort Beauregard, where the sampling site is located. Run time to the site is less than 15 minutes.

**SITE DESCRIPTION** - Oysters were collected from the bricks and rubble around the old fort, in intertidal waters. The nominal site center is in a small cove to the southwest of the old fort. Station 1 is located to the southwest of the fort, at the east end of the rubble breakwater, Station 2 is 50 meters to the east and is situated on the mudflats, while Station 3 lies a further 50 meters to the southeast in the small cove.

#### **OYSTER COLLECTIONS**

*1995* This site was not scheduled to be collected this year, but was added in as an alternate site when MRTP (Mississippi River, Tiger Pass) was discovered to be devoid of any live oysters. Oysters of all sizes are scattered across the entire site, in more than adequate numbers for the sampling protocol. There was a particularly heavy growth of mussels, and mussel spat, over the whole area.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

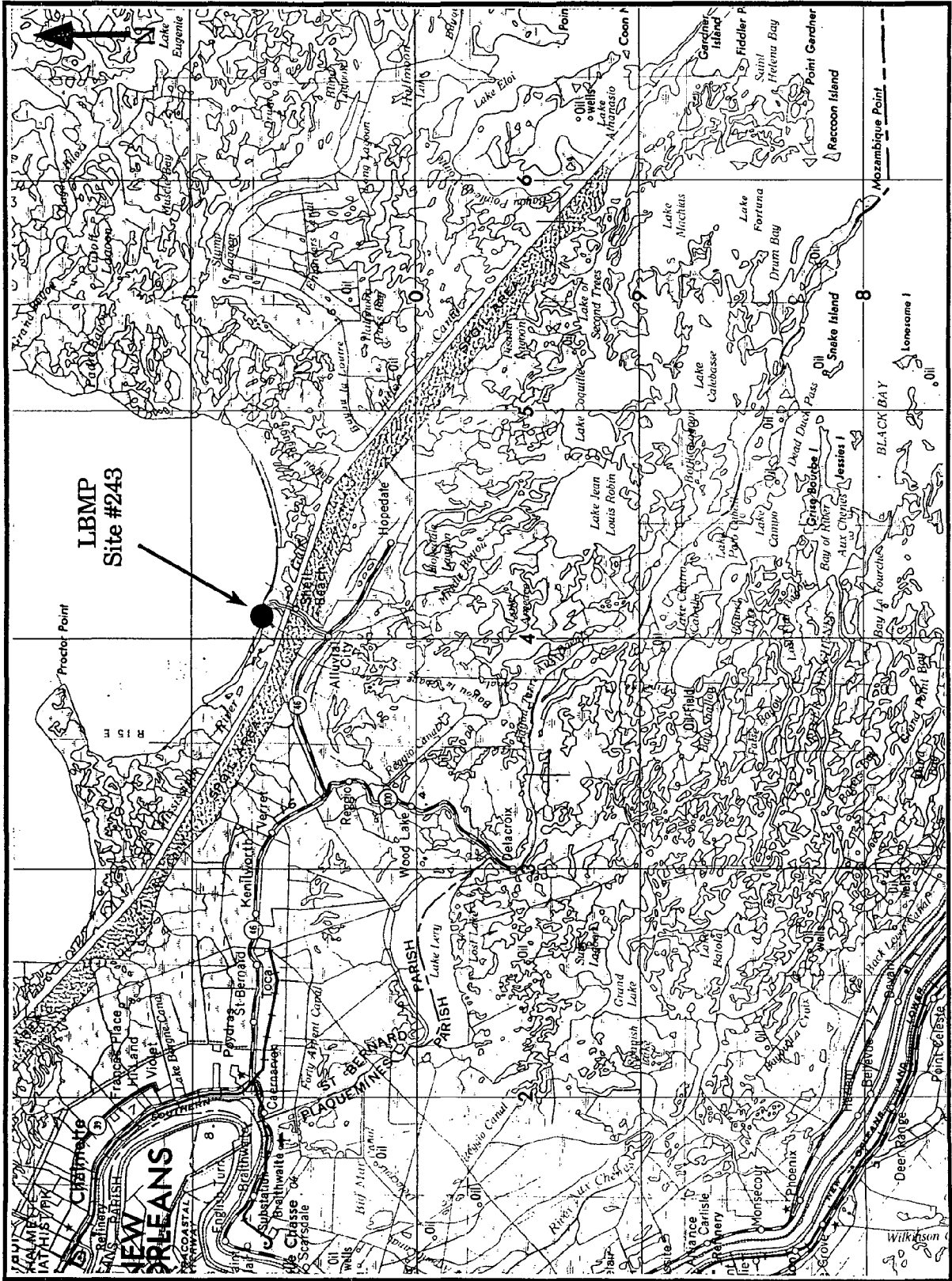
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0 - 0.5 m

**POSSIBLE CONTAMINANTS** - Contamination factors include outwash from the Yscloskey Bayou and Mississippi River Gulf Outlet, an ammunitions dump, and oil and gas pipelines in the surrounding area.

**ENVIRONMENTAL DATA**

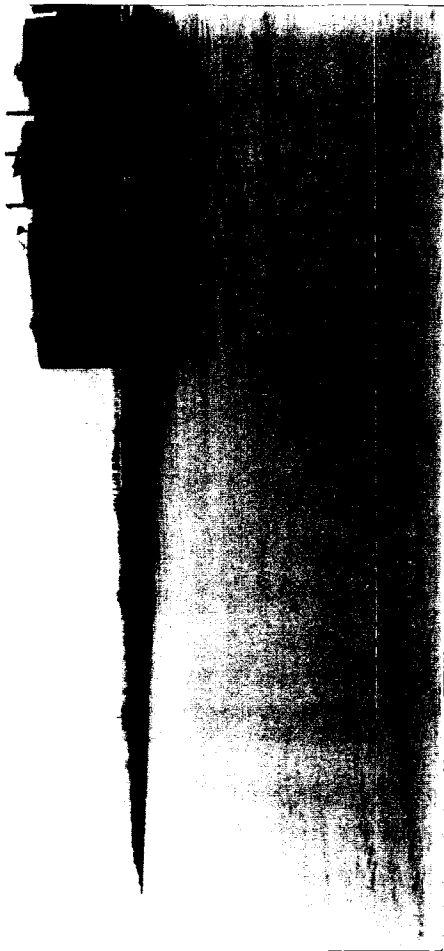
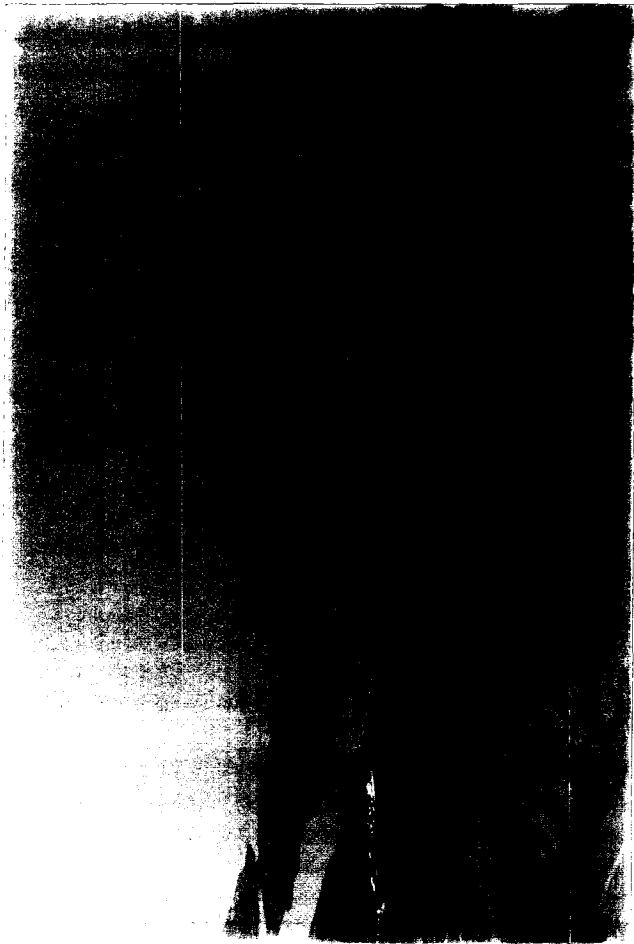
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	7.0	12.0	16 January 1995



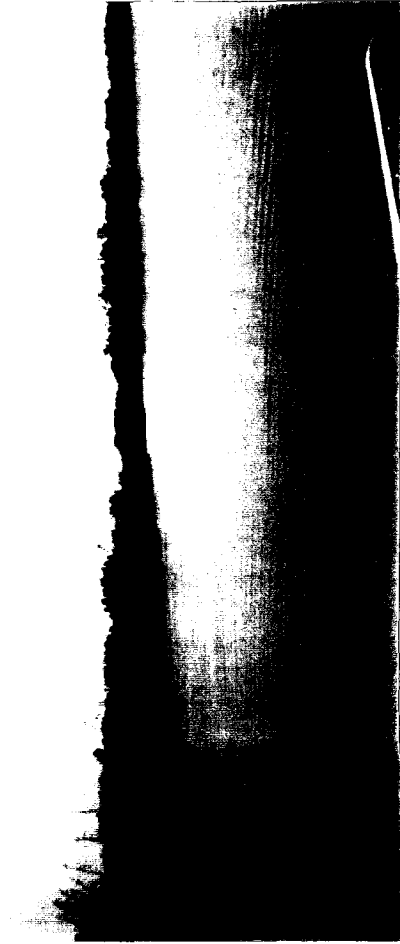
LBMP  
Site #243

Site #243 (LBMP), Malheureux Point, Lake Borgne.





Site #243 (LBMP), Malheureux Point, Lake Borgne.



**GERG SITE NUMBER - 244**

**DESIGNATOR - BSBG**

**SITE - BAY GARDERNE, BRETON SOUND, LA**

**NOMINAL SITE CENTER - 29°36.12'N 89°37.65'W**

**LOCATED ON NOS CHART # - 11364**

**SITE ACCESS** - The site is accessed by boat launched from Beshel's Lift. From East Pointe a la Hache go south 7.5 miles on LA Hwy. 39, then turn right at the large Chevron sign to get to the marina. By boat, proceed southeast down the Back Levee Canal to the Lower Grand Bayou, then northeast along the bayou to Battle Ground Bay. In Battle Ground Bay go north-northwest into Island Bay, then northeast through Fell Cut. Proceed east-northeast across Grand Point Bay and go through Bayou Bove. Bayou Lost is due east of here and just to the north of Pintail Point, directly across Bay Garderne. The site is located along the south shore of the western end of Bayou Lost, to the west of the LA Fish and Wildlife Camp. Approximate run time to the site is 0.75 hours.

**SITE DESCRIPTION** - This site is located on a small unnamed island between Bayou Lost and Lonesome Island on the eastern side of Bay Garderne. Station 1 is located at the western end of the Fish & Wildlife Camp island, on the south side of Bayou Lost. Station 2 is located 100 meters to the east on the middle of the island on the south side of the bayou and Station 3 lies a further 100 meters to the east of Station 2.

#### **OYSTER COLLECTIONS**

1995 Oysters of all sizes were abundant throughout the entire area, which is covered with private leases. The oysters occurred in singles and clusters on the soft mudflats, along the edge of the *Spartina alterniflora* marsh.

#### **SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

#### **SAMPLING METHOD**

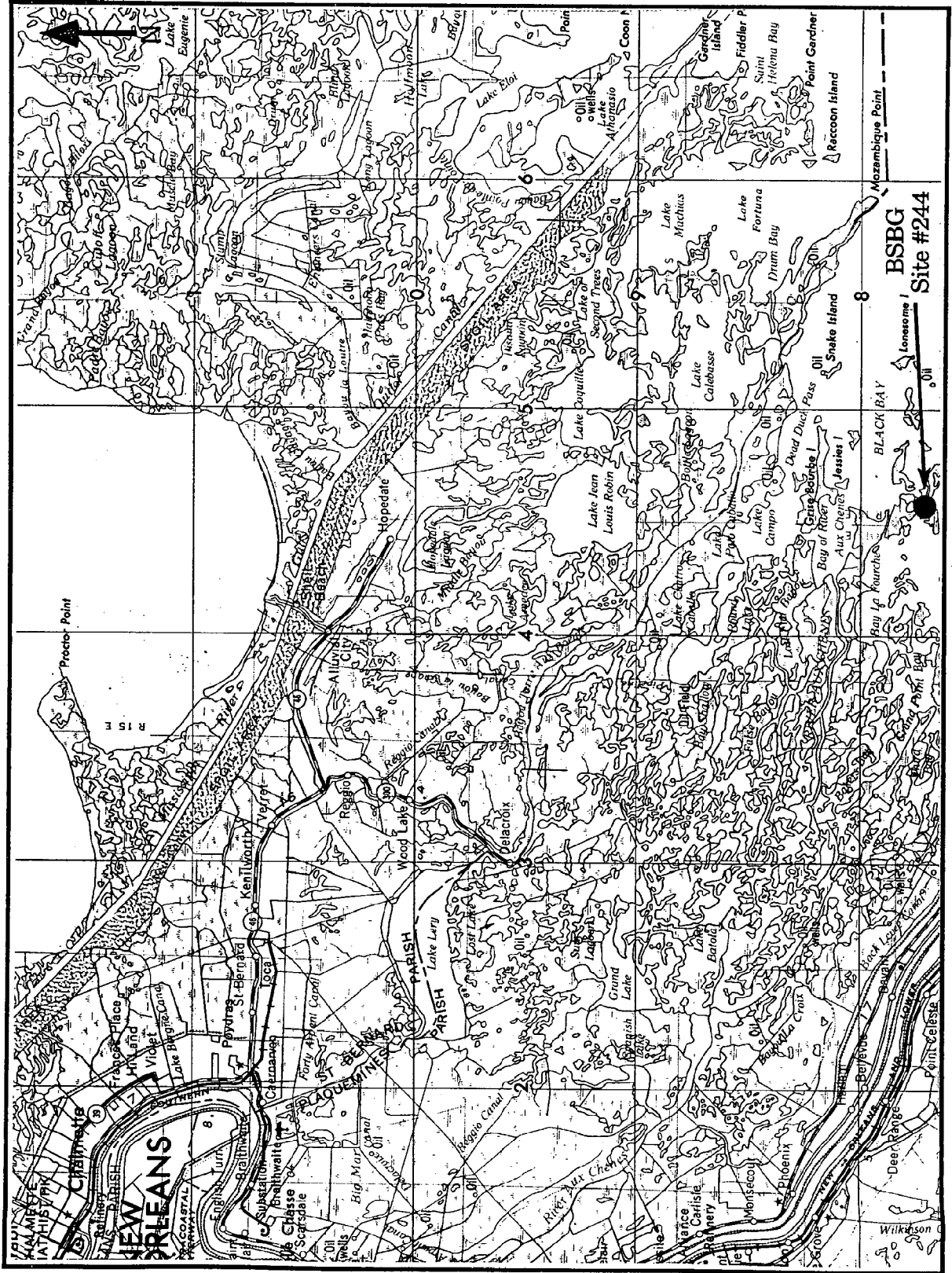
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0 - 0.5 m

**POSSIBLE CONTAMINANTS** - No obvious visible point sources of contamination were observed in the area.

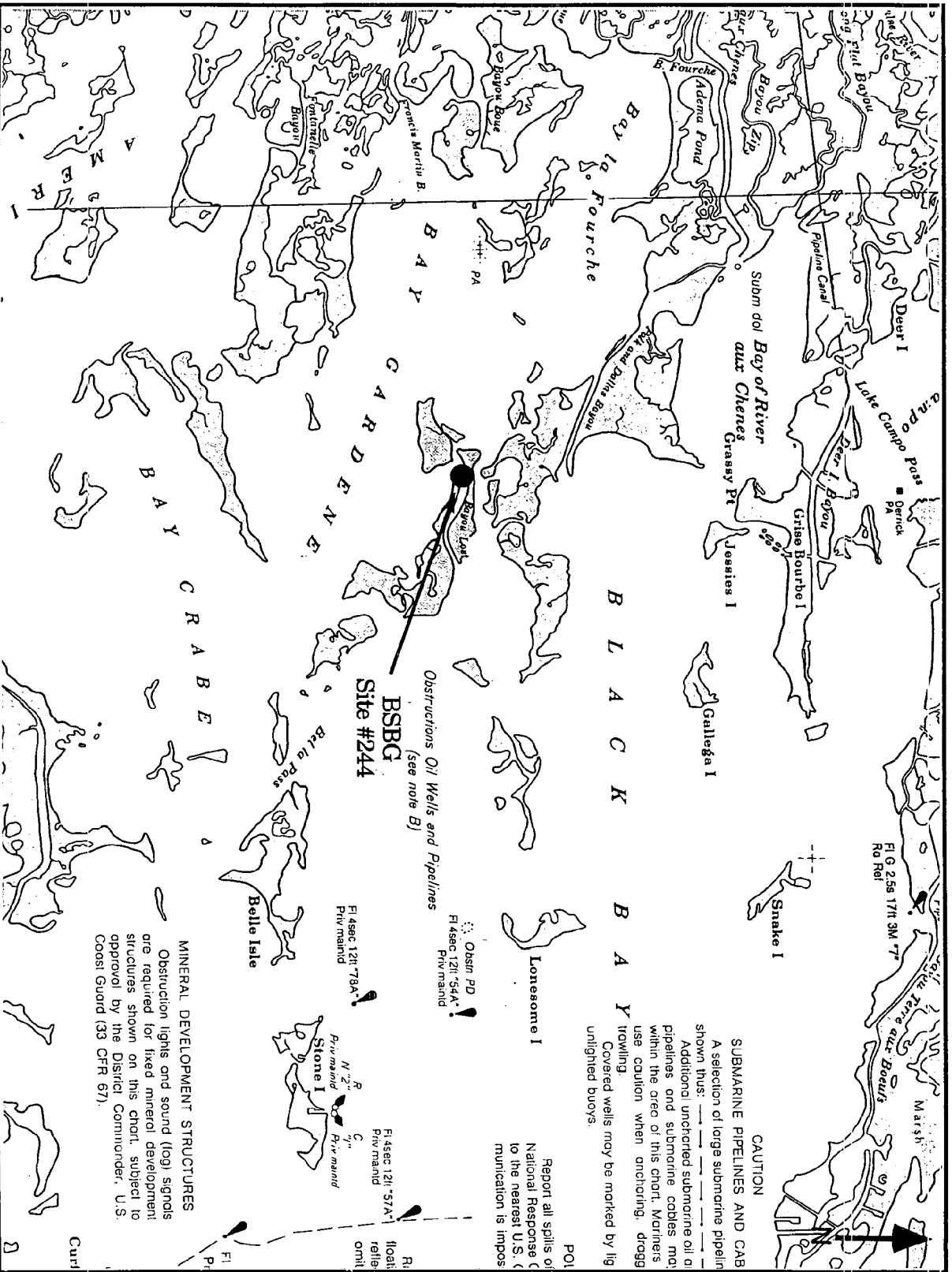
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	5.0	13.0	15 January 1995



Site #244 (BSBG), Bay Garderne, Breton Sound.





**CAUTION**  
**SUBMARINE PIPELINES AND CABLES**  
 A selection of large submarine pipelines and submarine cables are shown thus: ————  
 Additional uncharted submarine oil pipelines and submarine cables may be present in the area of this chart. Mariners should exercise caution when anchoring, dredging, or towing covered wells. Covered wells may be marked by lighted buoys.

**POI**  
 Report all spills of oil or hazardous materials to the nearest U.S. Coast Guard. Communication is impossible in this area.

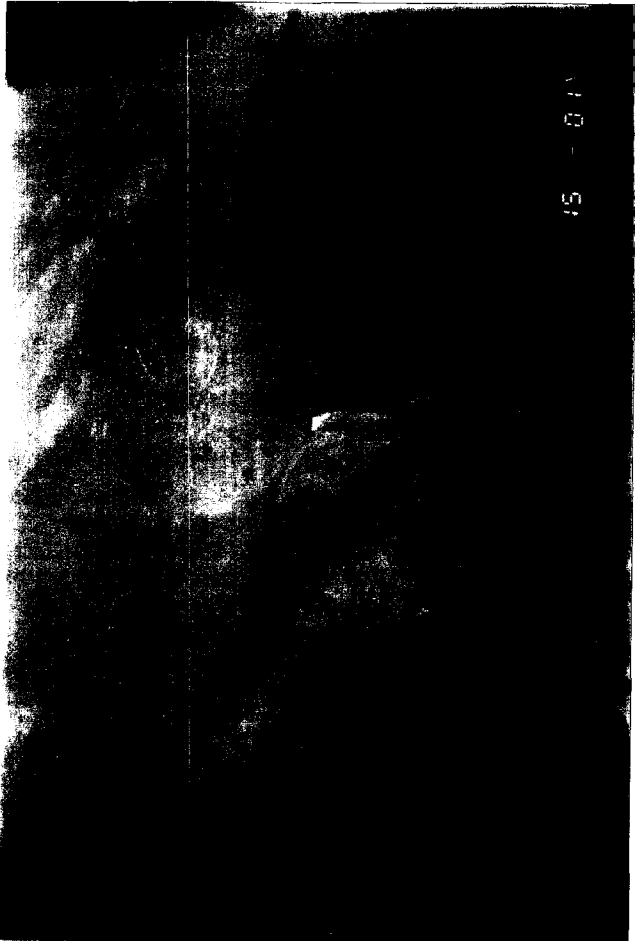
Obstructions Oil Wells and Pipelines  
 (see note B)  
**BSBG**  
**Site #244**

**MINERAL DEVELOPMENT STRUCTURES**  
 Obstruction lights and sound (log) signals are required for fixed mineral development structures shown on this chart, subject to approval by the District Commander, U.S. Coast Guard (33 CFR 67).

Site #244 (BSBG), Bay Garderne, Breton Sound (from chart 11364).



Site #244 (BSBG), Bay Garderne, Breton Sound.



**GERG SITE NUMBER** - 245

**DESIGNATOR** - BSSI

**SITE** - SABLE ISLAND, BRETON SOUND, LA

**NOMINAL SITE CENTER** - 29°24.26'N 89°29.09'W

**LOCATED ON NOS CHART #** - 11364

**SITE ACCESS** - The site is accessed from the Buras Riverside Marina, on the west bank of the Mississippi River, off of LA Hwy. 23. Cross the Mississippi River, go through the Ostrica Locks and down the Ostrica Canal into Quarantine Bay. Follow the marked channel to the entrance to Bayou Bio, then go east to Sable Island. The boat run time is less than 30 minutes, allowing for the Ostrica Locks.

**SITE DESCRIPTION** - The site is located on the southwest side of Sable Island. Oyster reefs were ubiquitous to the area around the island and there are some good oyster beds here. There is one particularly good reef, clearly marked with white PVC poles, on the southwest side of the island (29°24.26'N, 89°29.09'W). All three stations were collected along this reef, within the marker poles.

**OYSTER COLLECTIONS**

1995 The site was not scheduled to be collected this year.

**SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

**SAMPLING METHOD**

Oysters - SS dredge  
Sediment - N/A

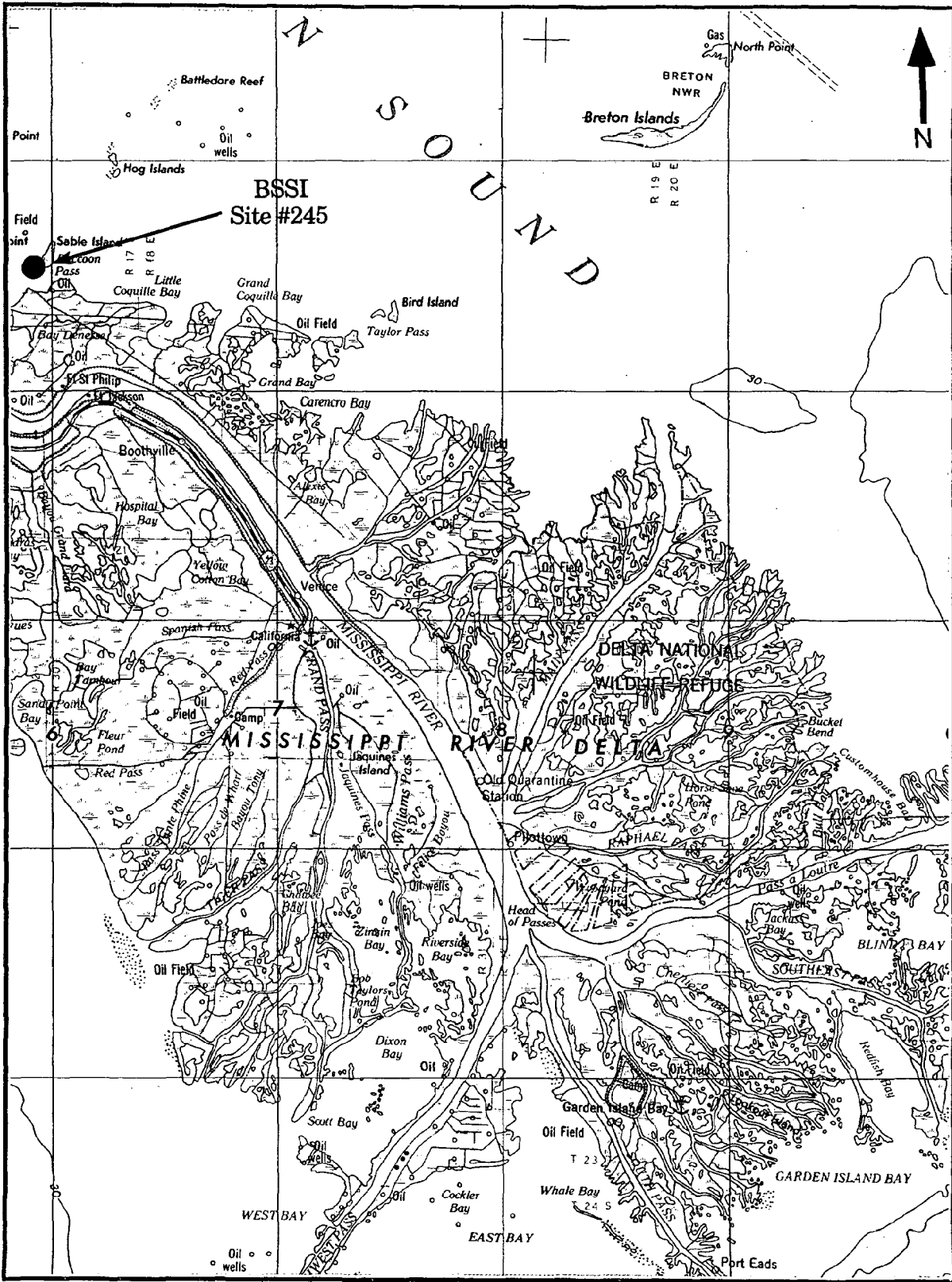
**WATER DEPTH** - subtidal, 1.0 - 2.5 m

**POSSIBLE CONTAMINANTS** - Obvious sources of contamination included the extensive oil and gas platforms to the north and west (closer than 0.5 miles), and the widespread oil and gas development in the overall delta area, east of the river.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A





Site #245 (BSSI), Sable Island, Breton Sound.





Site #245 (BSSI), Sable Island, Breton Sound.



**GERG SITE NUMBER - 246**

**DESIGNATOR - MRPL**

**SITE - PASS A LOUTRE, MISSISSIPPI RIVER, LA**

**NOMINAL SITE CENTER - 29°04.87'N 89°05.53'W**

**LOCATED ON NOS CHART # - 11361**

**SITE ACCESS** - Access to the site is via boat, launched from the Venice Marina. From the boat basin, head upstream to the main fork of the Mississippi River at The Jump, then proceed downstream to the Head of Passes. At this point, take the east fork holding to the south shore to avoid the large sandbar at the entrance to Pass a Loutre. Proceed east to the second cut to the south, and go down Southeast Pass to the first oil tanks (29°07.75'N, 89°05.78'W), and then south into Redfish Bay via a narrow reed lined channel. No attempt should be made to travel to this site except in calm weather. An alternate route is to continue on down Southeast Pass to the mouth, then come back (northwest) into Redfish Bay.

**SITE DESCRIPTION** - The site is located at the extreme southeast edge of Redfish Bay, just to the north of the last small island. Prominent landmarks are the Port Eads Lighthouse (240°) at South Pass, and the green tanks on the Exxon platform (350°). The oysters are dredged 5 to 10 meters out from the reed lined shore in 1 meter of water. Separate stations are not distinguished due to the size of the reef.

#### **OYSTER COLLECTIONS**

*1995* This site was not scheduled to be collected this year.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHODS**

Oyster - SS dredge  
Sediment - N/A

**WATER DEPTH** - subtidal, 1.0 - 2.0 m

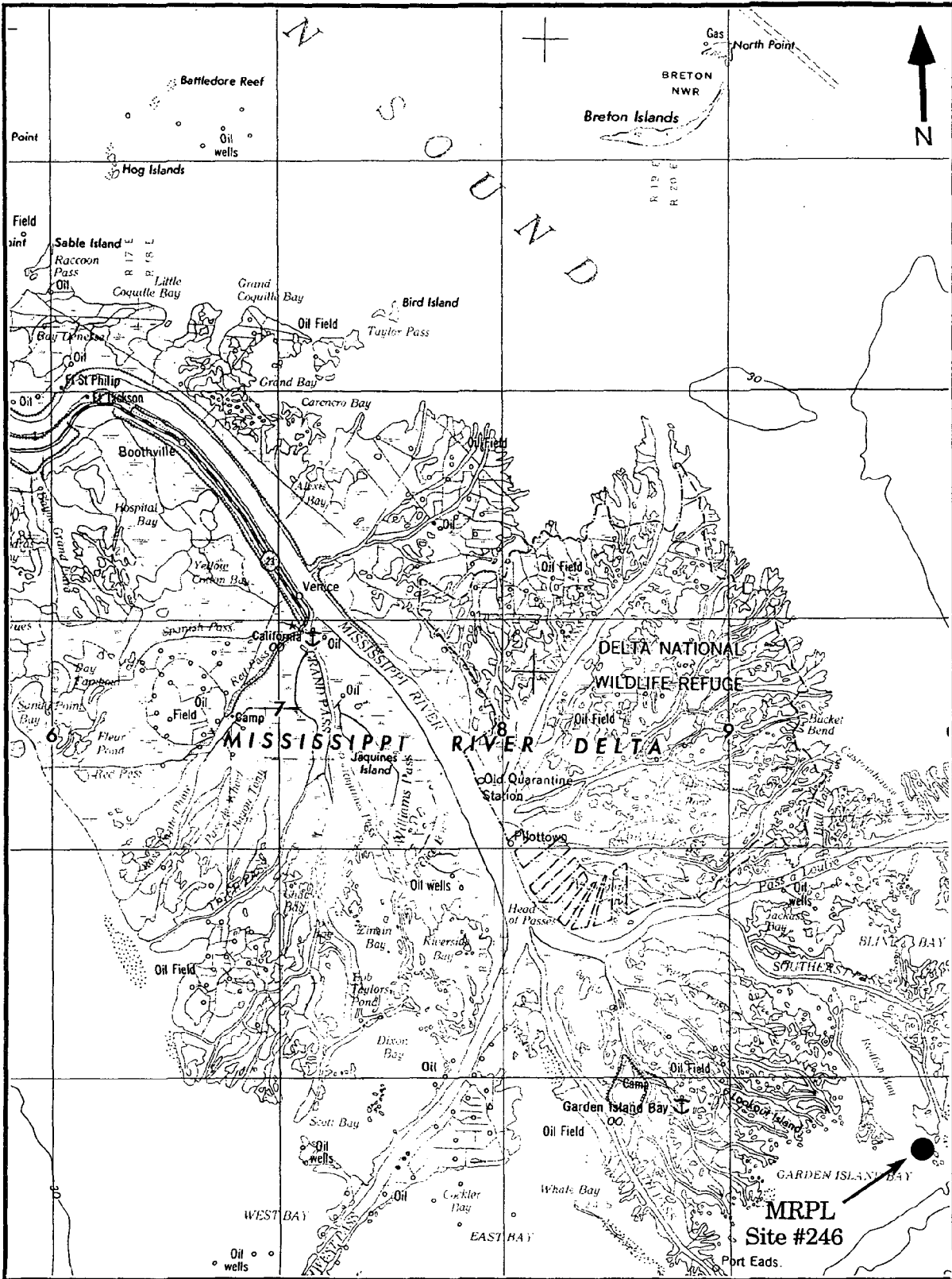
**POSSIBLE CONTAMINANTS** - The only visible point sources of contamination in the area were the nearby oil production facilities, in the upper part of Redfish Bay.

#### **ENVIRONMENTAL DATA**

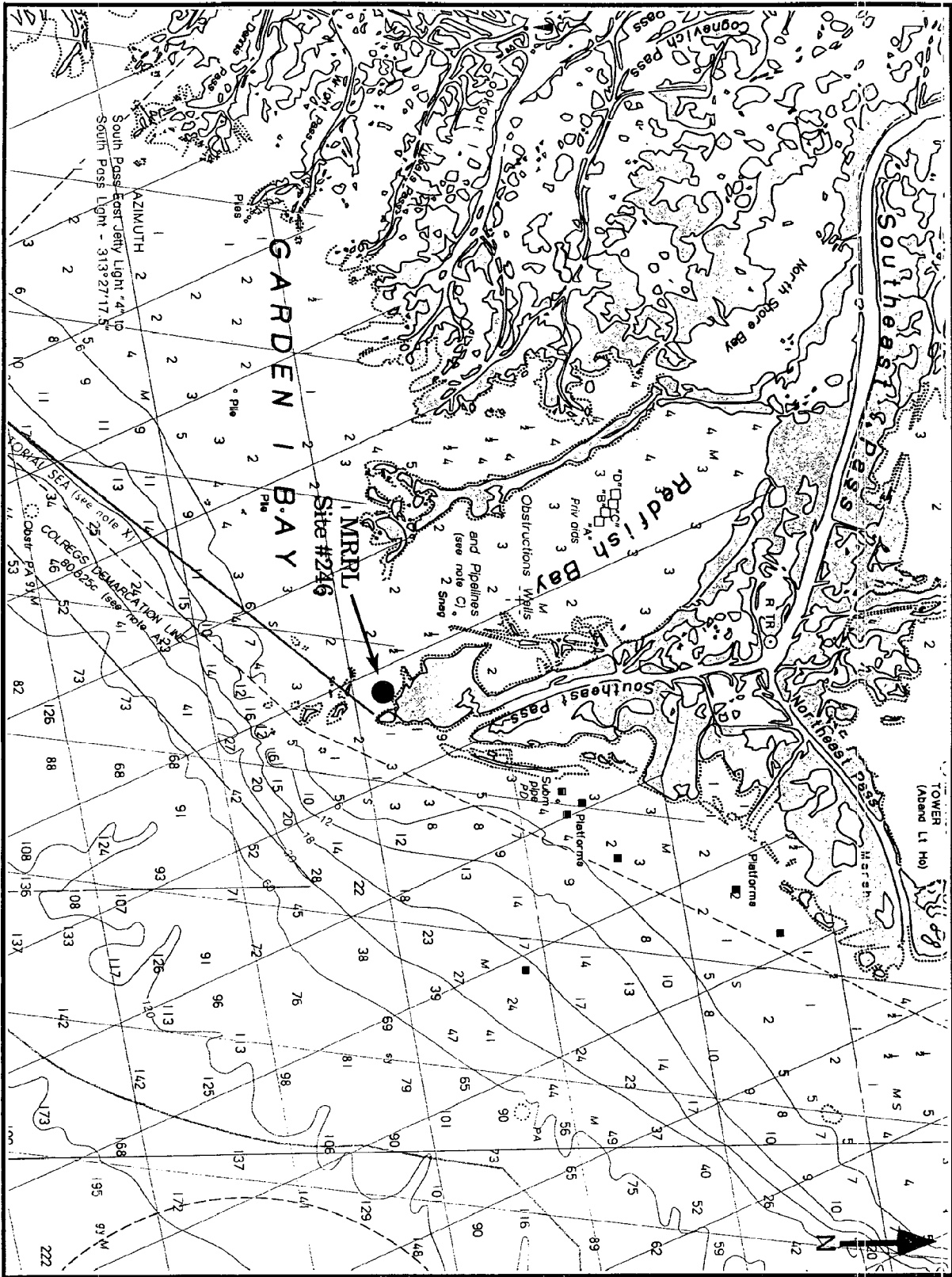
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



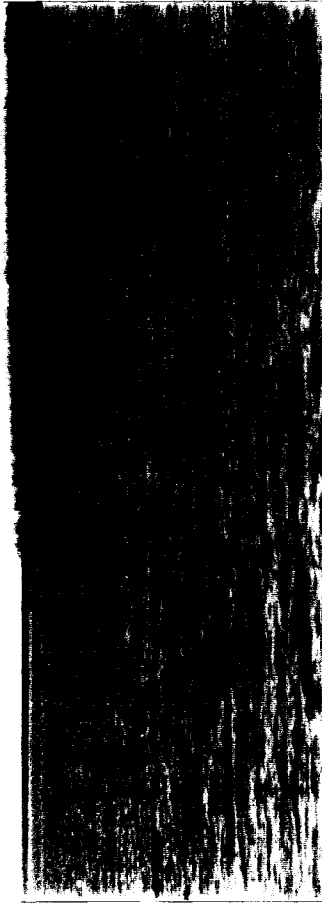
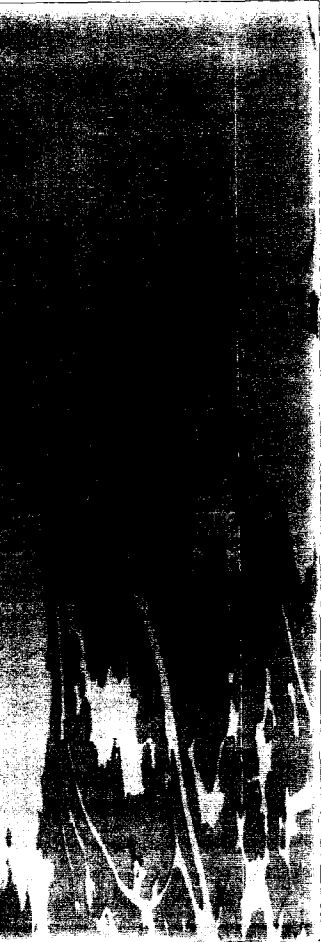




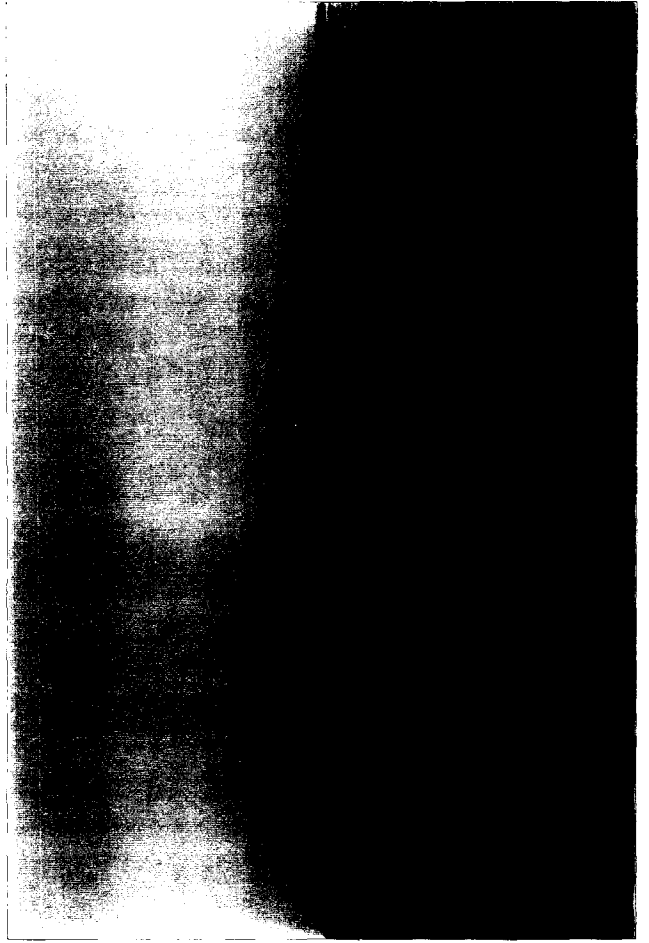
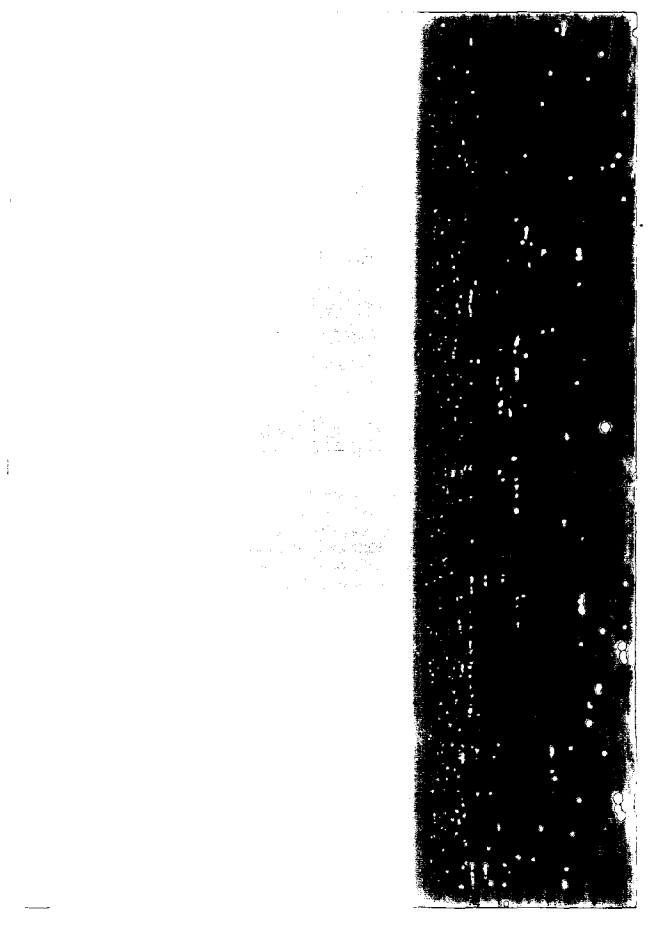
Site #246 (MRPL), Pass a Loutre, Mississippi River.



Site #246 (MRPL), Pass a Loutre, Mississippi River (from chart 11361).



Site #246 (MRPL), Pass a Loutre, Mississippi River.



**GERG SITE NUMBER - 247**

**DESIGNATOR - MRTP**

**SITE - TIGER PASS, MISSISSIPPI RIVER, LA**

**NOMINAL SITE CENTER - 29°08.69'N 89°25.67'W**

**LOCATED ON NOS CHART # - 11361**

**SITE ACCESS** - Access to the site is by boat, launched at the Venice Marina. Proceed down Tiger Pass to the entrance; this takes 0.5 to 1 hour depending on the weather conditions. The mouth of Tiger Pass is bordered by a jetty on both sides; proceed past the end of the northwest jetty to green channel marker "7", and then turn back around the jetty and head north to the shoreline. The site is directly north of the jetty and green channel marker "9".

**SITE DESCRIPTION** - This site, is located on the west side of the Mississippi River delta, near the mouth of Tiger Pass. The site is on the southwest shoreline of a small smooth cordgrass island, near a telephone pole at the edge of the marsh. Individual stations are contiguous along the shoreline. Station 1 is on the shoreline, just north of where the Tenneco pipeline canal runs into the bay on the east and southeast from the telephone pole at Station 2. Station 2 is the next along some 100 meters of the shoreline to the north across from the telephone pole with two bolts. The pole is approximately 20 meters from the shoreline. Station 3 is northwest from the pole and up to where the canal forms the northwest boundary of the marsh island.

#### **OYSTER COLLECTIONS**

*1995* No live oysters could be found in the area, so the site was not sampled. Site LBMP (Lake Borgne, Malheureux Point) was substituted as an alternate sampling site.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

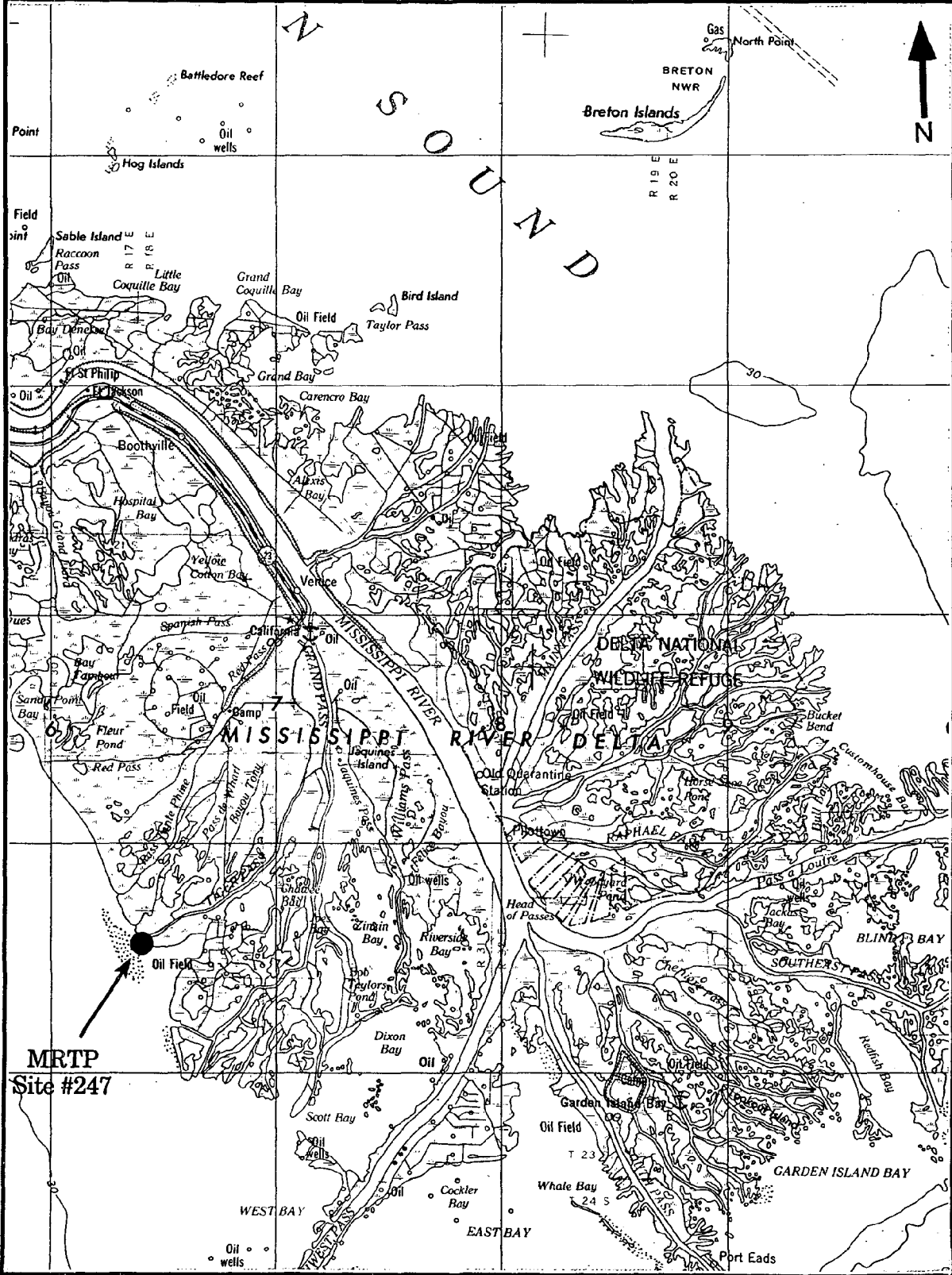
Oysters - SS dredge, hand  
Sediments - N/A

**WATER DEPTH** - intertidal, 0 - 0.5 m

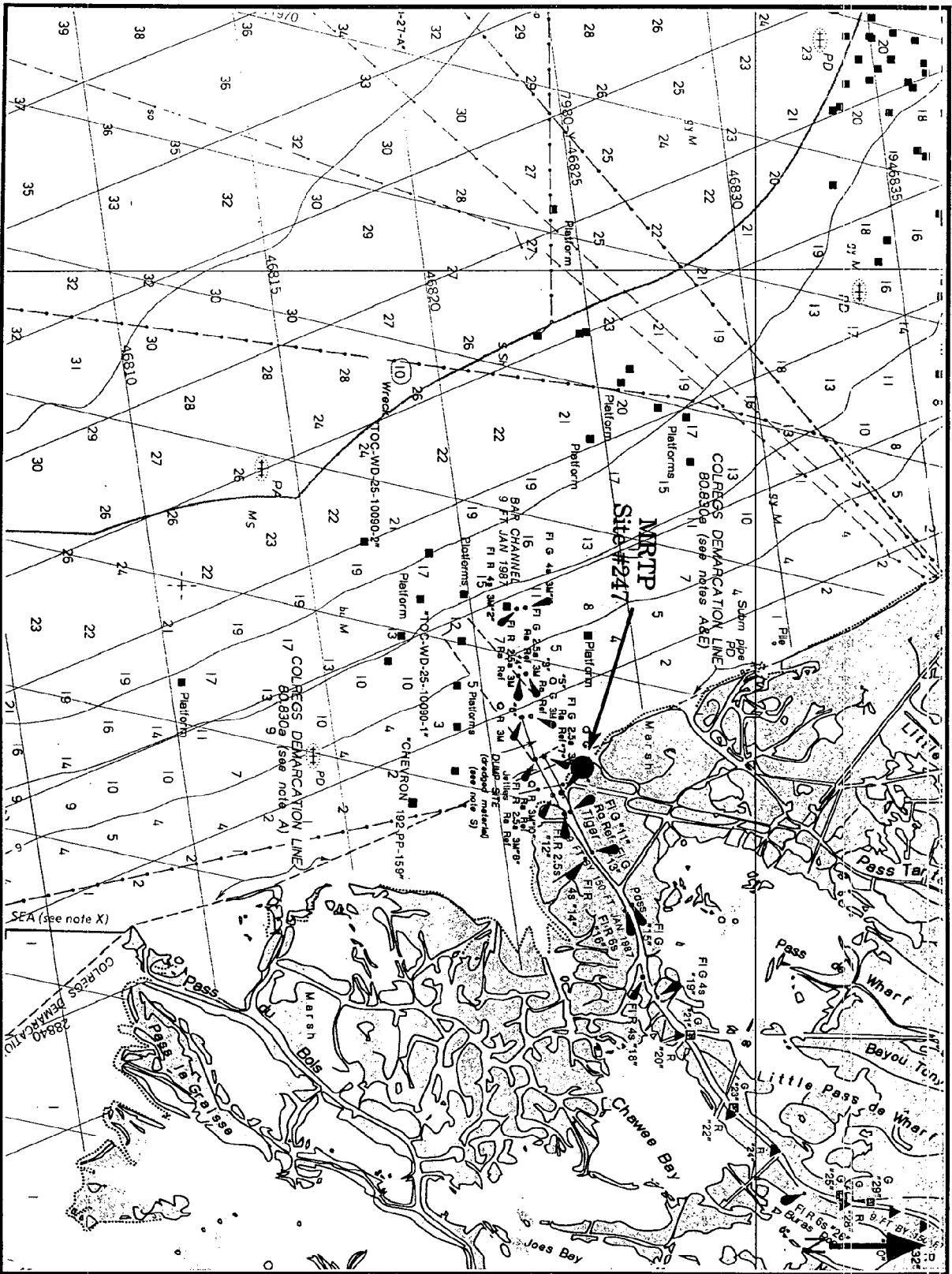
**POSSIBLE CONTAMINANTS** - No are no obvious visible point sources of contamination in the area, other than the nearby oil field facilities.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	15 January 1995

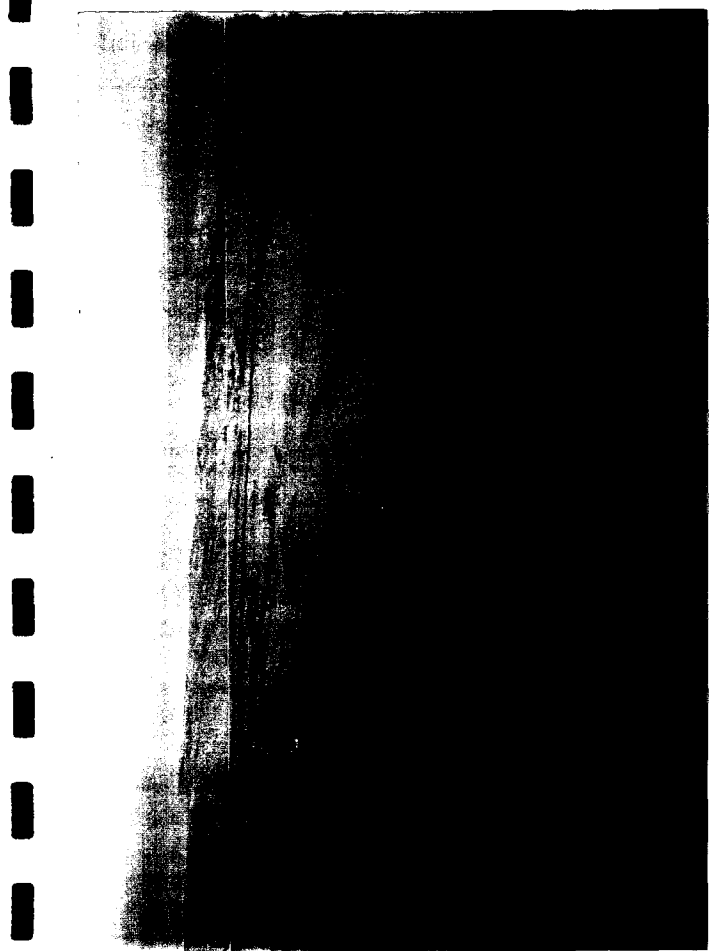
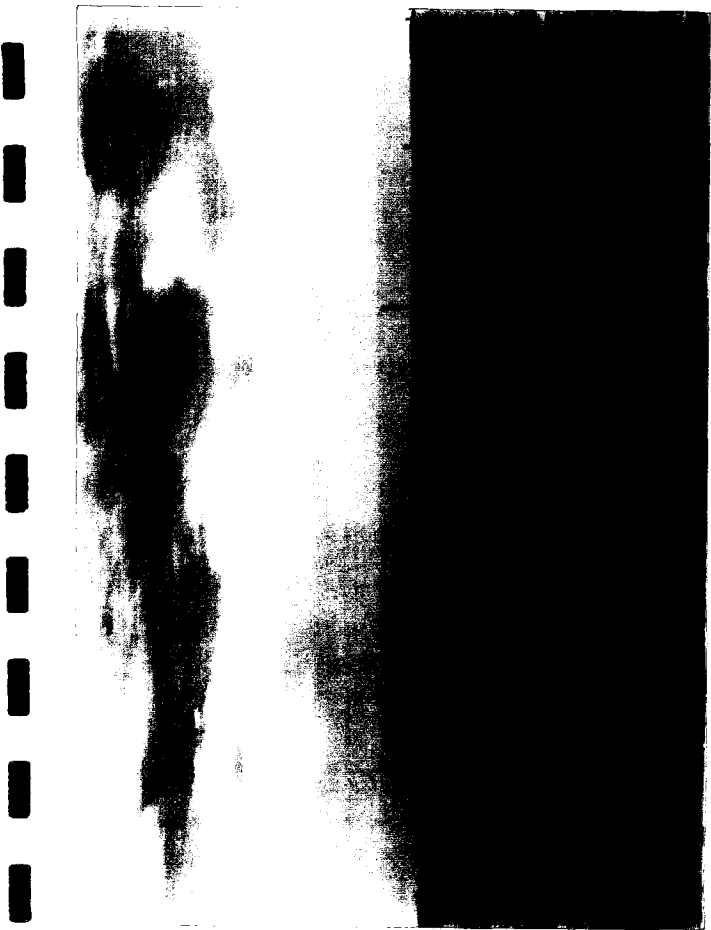


Site #247 (MRTP), Tiger Pass, Mississippi River.

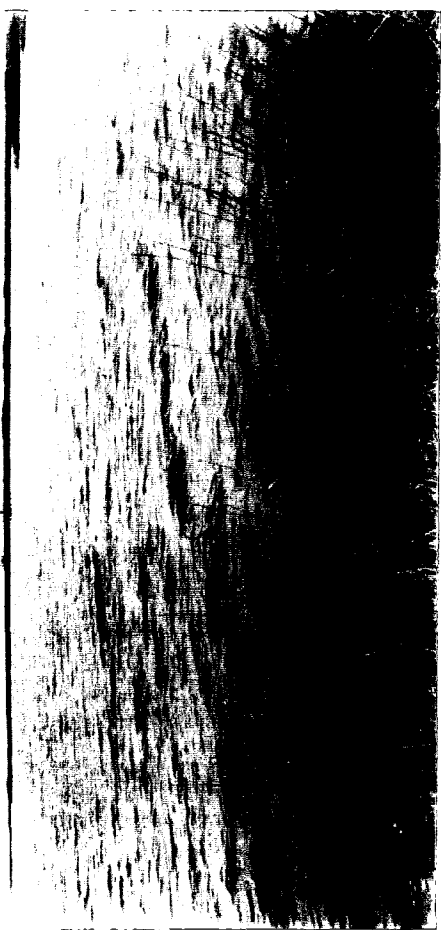


Site #247 (MRTP), Tiger Pass, Mississippi River (from chart 11361).





Site #247 (MRTP), Tiger Pass, Mississippi River.



**GERG SITE NUMBER - 248**

**DESIGNATOR - BBMB**

**SITE - MIDDLE BANK, BARATARIA BAY, LA**

**NOMINAL SITE CENTER - 29°16.60'N 89°56.52'W**

**LOCATED ON NOS CHART # - 11365**

**SITE ACCESS** - The site is accessed by boat launched at Cheramines Marina, in Grand Isle. From the marina, proceed east across Barataria Pass, to the Louisiana Fish and Wildlife Camp on the northwestern tip of the western Grand Terre Islands. Run time is less than 10 minutes. An alternate launching ramp is at the Grand Isle Coast Guard Station, at the end of LA Hwy. 1.

**SITE DESCRIPTION** - This site is located in a *Spartina alterniflora* marsh, along the eastern side of the channel going into the Grand Terre F&WL station. Station 1 is located 5 meters north from the end of the wooden bulkhead, to the north of the F&WL station. Station 2 lies 50 meters north of the wooden bulkhead, next to an aluminum pole (1.5" Ø). Station 3 lies 100 meters north of the bulkhead, next to the wooden post and "Keep Out" sign. All three stations lie on the eastern side of the channel.

#### **OYSTER COLLECTIONS**

1995 Medium to large mussels were abundant throughout the area, occurring in singles and clusters.

#### **SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment - N/A

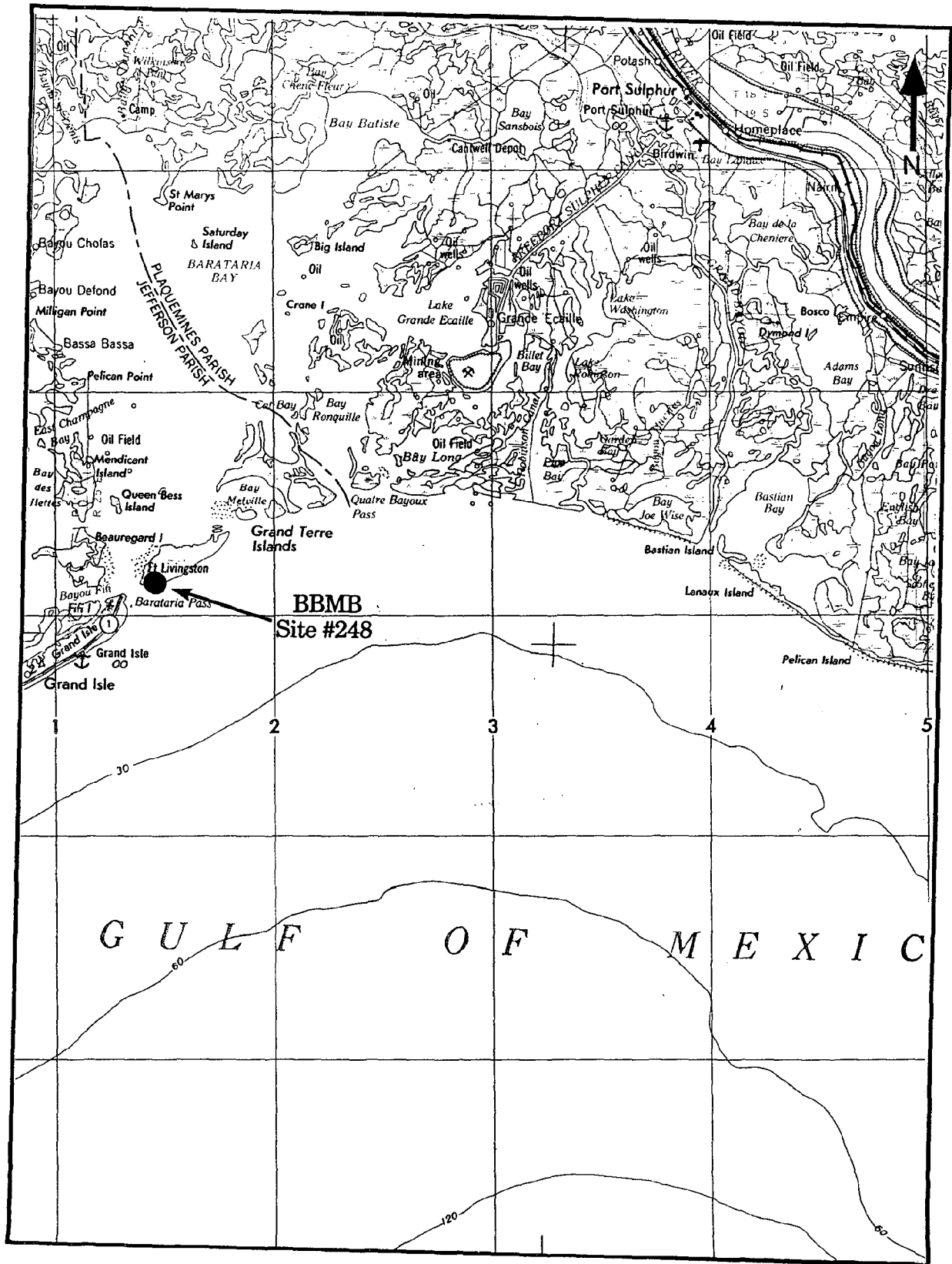
**WATER DEPTH** - intertidal, 0 - 0.5 m

**POSSIBLE CONTAMINANTS** - Possible contamination could come from the anti-fouling paint used on the vessels at the Fish and Wildlife Laboratory.

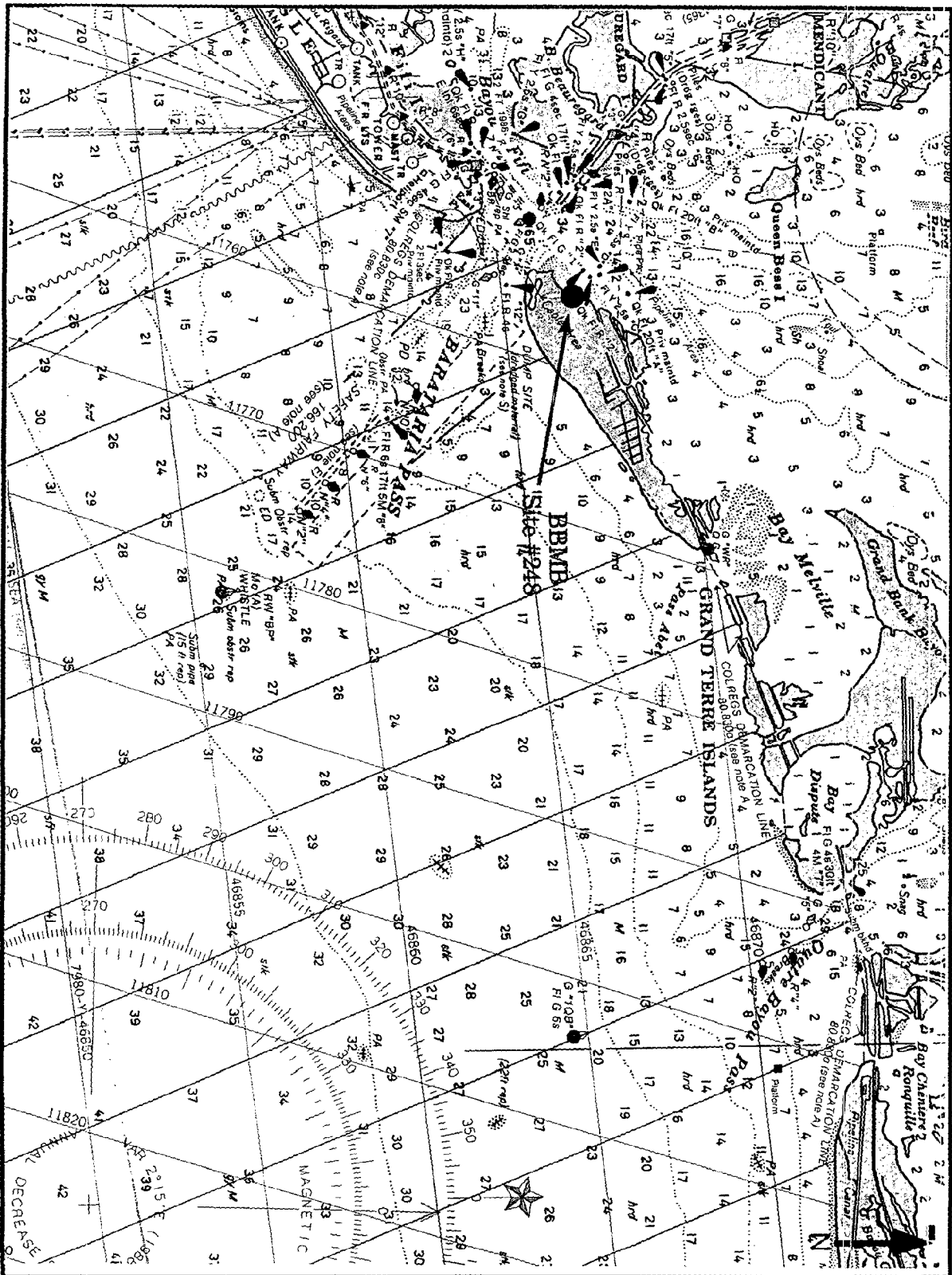
#### **ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	20.0	16.5	13 January 1995





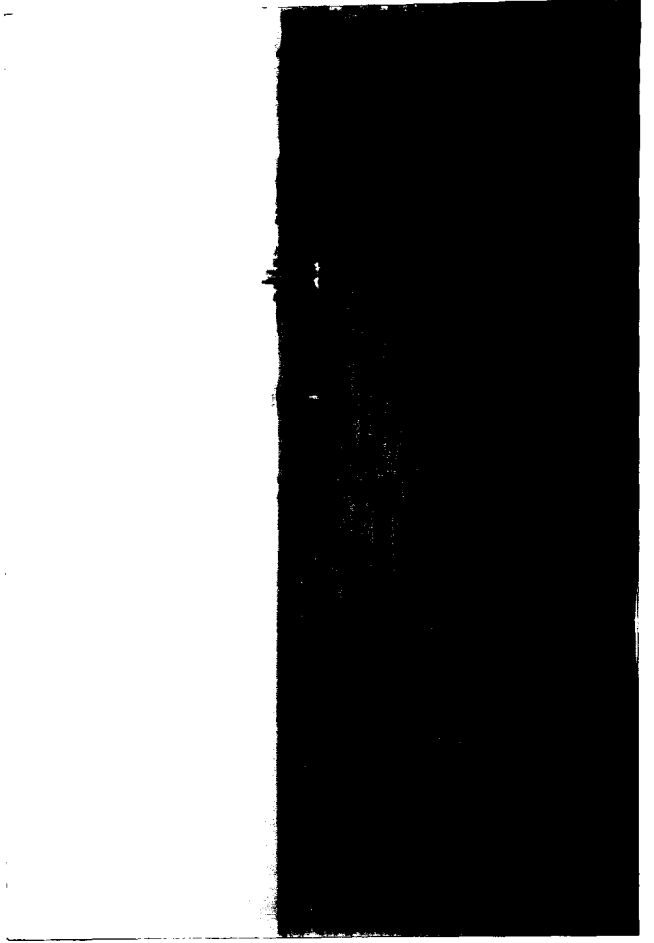
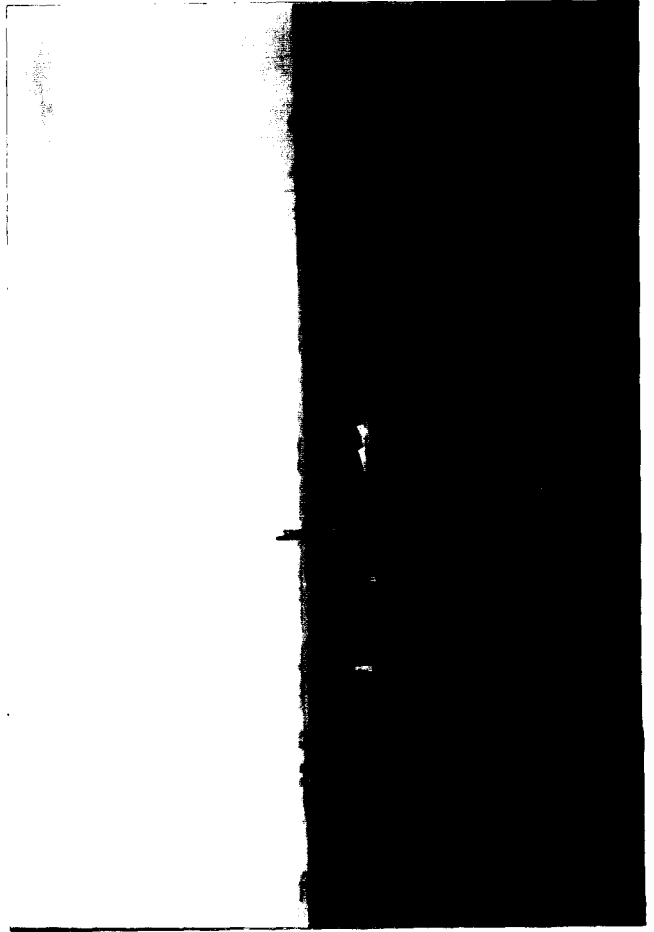
Site #248 (BBMB), Middle Bank, Barataria Bay.



Site #248 (BBMB), Middle Bank, Barataria Bay (from chart 11358).



Site #248 (BBMB), Middle Bank, Barataria Bay.



**GERG SITE NUMBER - 249**

**DESIGNATOR - BBSD**

**SITE - BAYOU ST. DENIS, BARATARIA BAY, LA**

**NOMINAL SITE CENTER - 29°24.29'N 89°59.93'W**

**LOCATED ON NOS CHART # - 11365**

**SITE ACCESS** - The site is accessed by boat launched at Cheramines Marina, or the U.S. Coast Guard Station in Grand Isle. From Grand Isle, proceed north up the Barataria Waterway to green channel marker "31". Then proceed northwest into Bayou Cholas, to green channel marker "9". The eye of hurricane "Andrew" passed over Grand Isle in August 26, 1992. As a result, some of the outlines of the islands and landforms have changed since the chart was published, and sometimes provide little reference for determining position. Run time to the site is approximately 45 minutes.

**SITE DESCRIPTION** - This site is located in Bayou Cholas, on the west side of the Barataria Bay and of the Barataria Waterway. Station 1 is located 300 meters west of the green channel marker "9", and 100 meters to the south of a thick wooden post. Station 2 is 200 meters west of the channel marker and inside the marked oyster reef area (marked with white PVC and wooden poles). Station 3 is also inside the reef area, some 100 meters west-southwest from the green channel marker.

#### **OYSTER COLLECTIONS**

*1995* This is a very productive reef, with medium to large oysters occurring in singles and clusters across the entire reef. One 5 minute dredge tow will more than adequately fill the sample quota per station.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - SS dredge  
Sediments - N/A

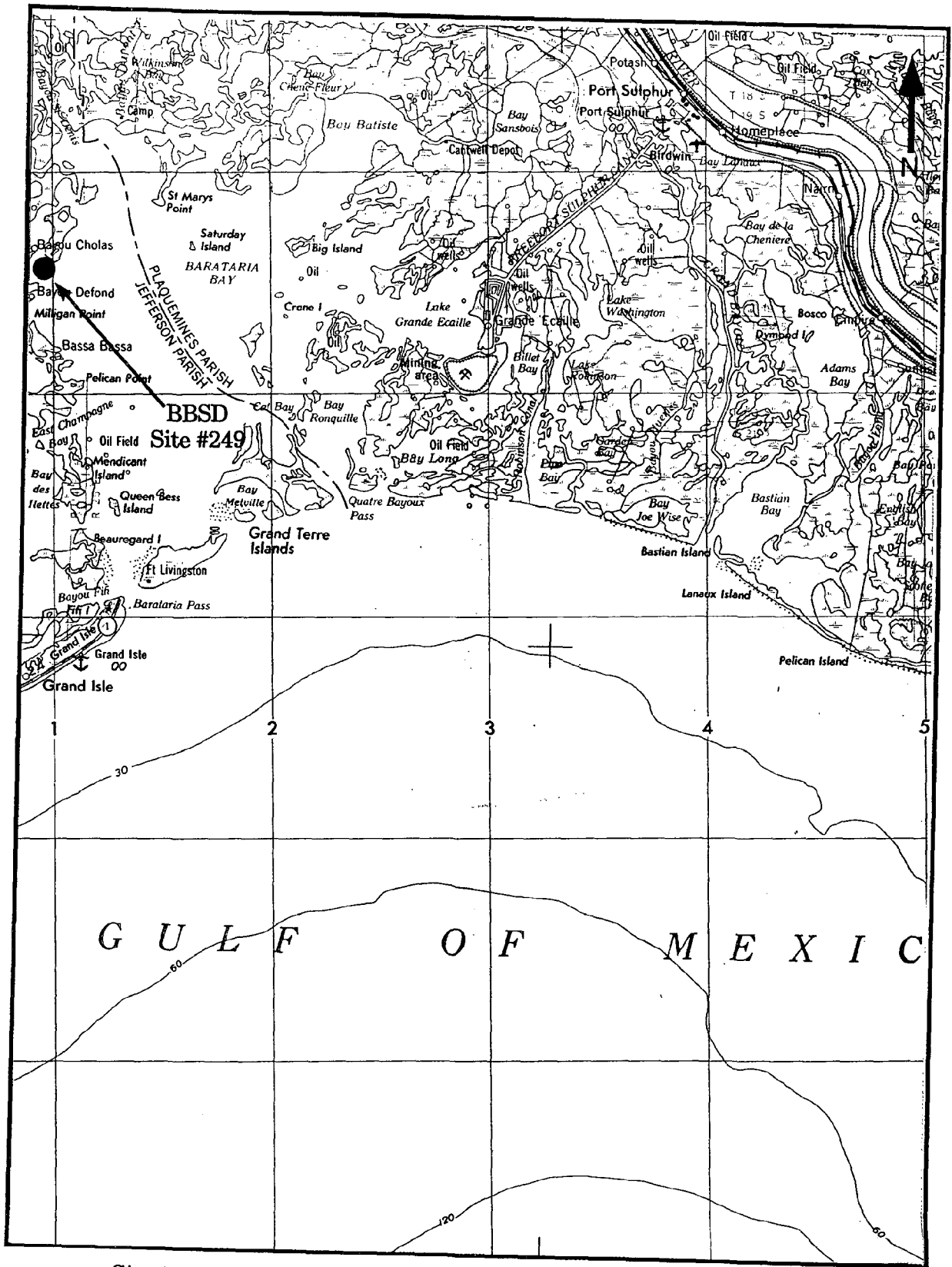
**WATER DEPTH** - subtidal, 0 - 3 m

**POSSIBLE CONTAMINANTS** - Contamination factors include marine traffic and dredging in the Barataria Waterway, and from a nearby gas compressor station.

**ENVIRONMENTAL DATA**

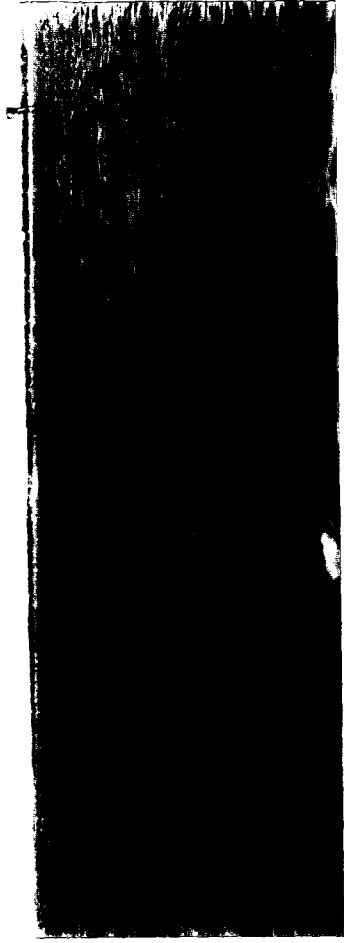
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	14.0	17.0	13 January 1995



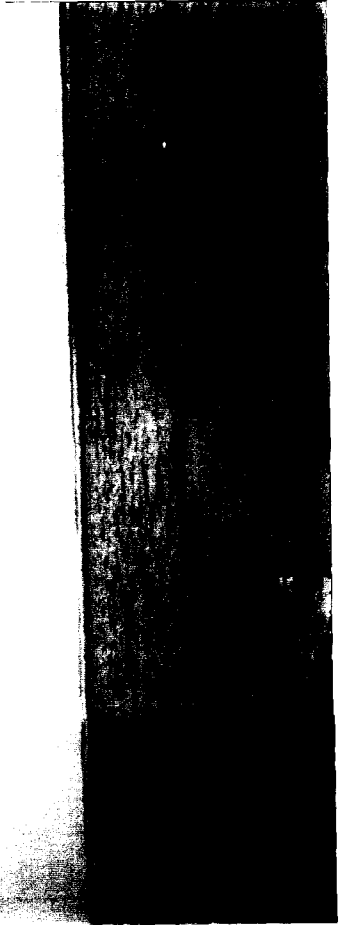
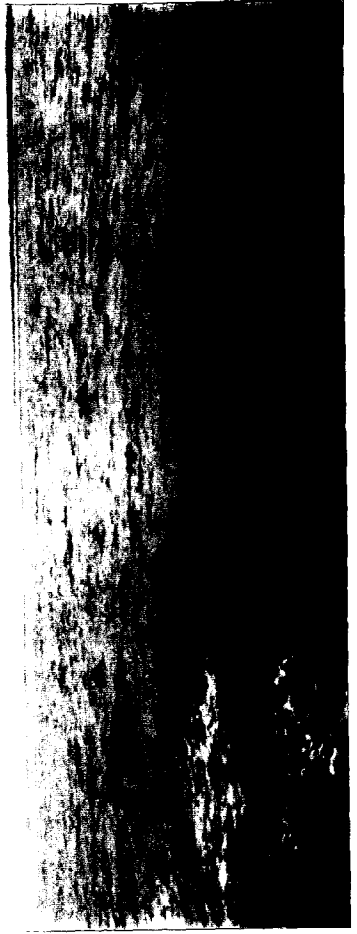


Site #249 (BBSD), Bayou St. Denis, Barataria Bay





Site #249 (BBSD), Bayou St. Denis, Barataria Bay.



**GERG SITE NUMBER** - 250

**DESIGNATOR** - BBTB

**SITE** - TURTLE BAY, BARATARIA BAY, LA

**NOMINAL SITE CENTER** - 29°30.67'N 90°05.00'W

**LOCATED ON NOS CHART #** - 11365

**SITE ACCESS** - Access to this collection site is by boat launched at the C & M Marina in Lafitte, at the end of LA Highway 45. By boat, proceed south down the Barataria Waterway through Bayou Cutler to the red channel marker "50". Go west into Bayou St. Denis, then northwest into Turtle Bay.

**SITE DESCRIPTION** - The site was originally located on the south side of the entrance into Bayou St. Denis from Little Lake, next to a row of red and white poles that paralleled the shoreline to the south. Landmarks to locate the site are: 110° to a small treed island and 30° to a green camp house and silver storage tank. Oysters are not abundant here; therefore distinct stations were not established.

#### **OYSTER COLLECTIONS**

*1995* No live oysters were found in the Turtle Bay area. As a result, an alternate site was substituted - LBMP (Lake Borgne, Malheureux Point) and successfully sampled.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHODS**

Oysters - SS dredge  
Sediment - N/A

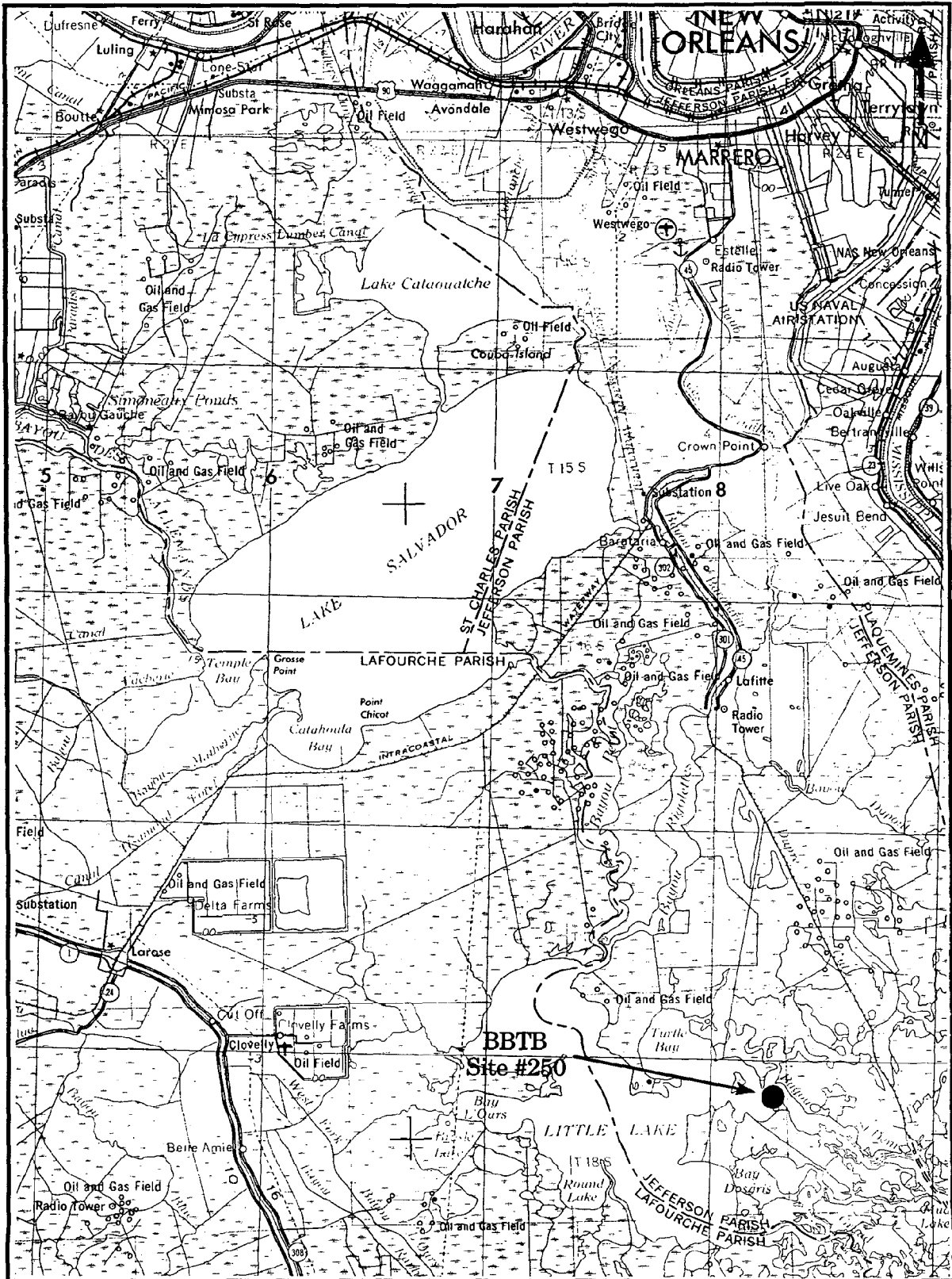
**WATER DEPTH** - subtidal, 2.0 - 3.0 m

**POSSIBLE CONTAMINANTS** - No point of contamination sources were evident, however there are several old petroleum facilities in the general area.

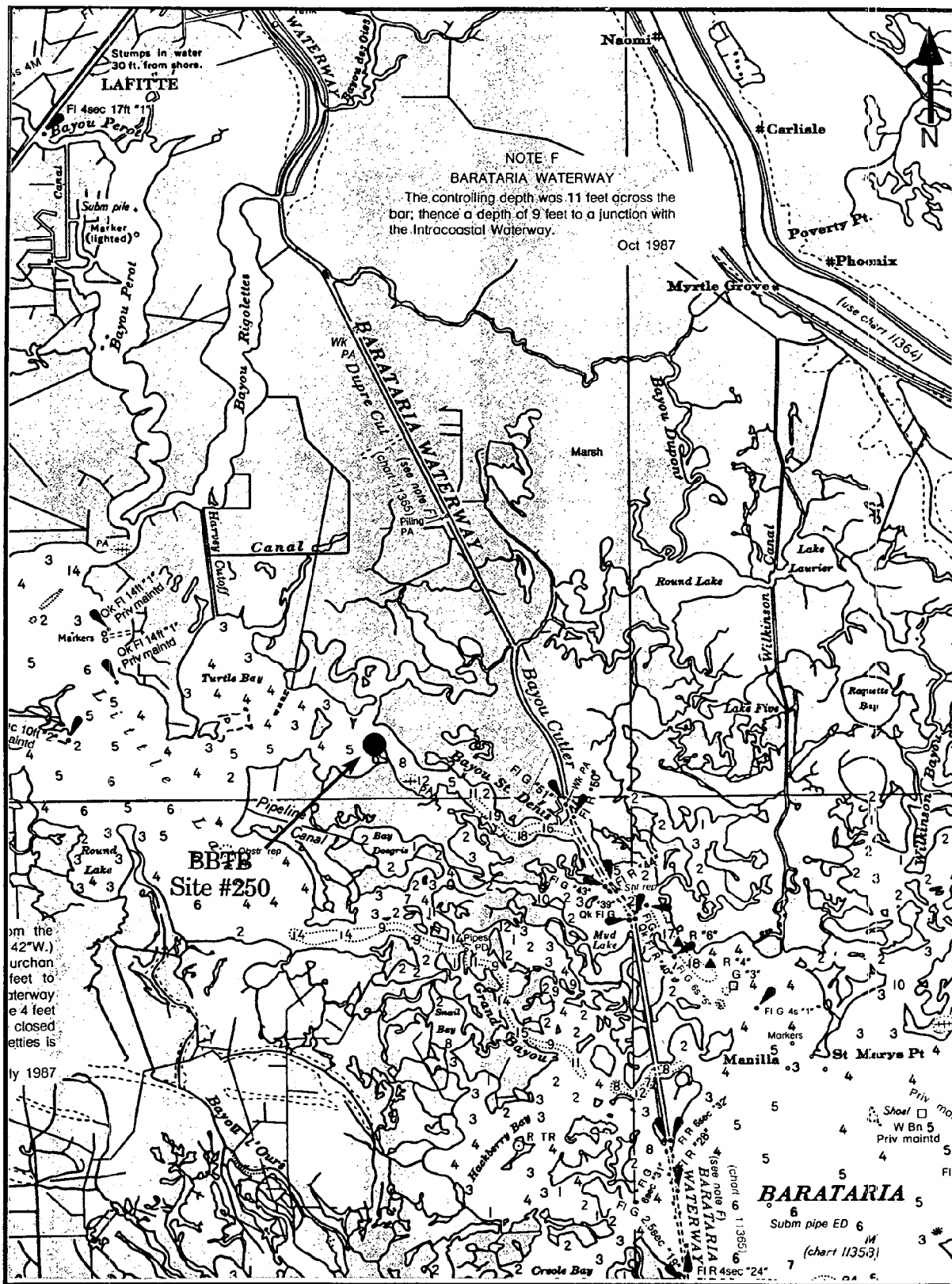
#### **ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	7.0	16.0	14 January 1995





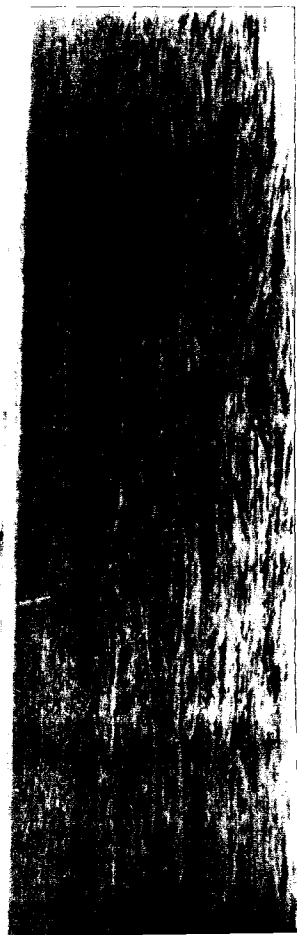
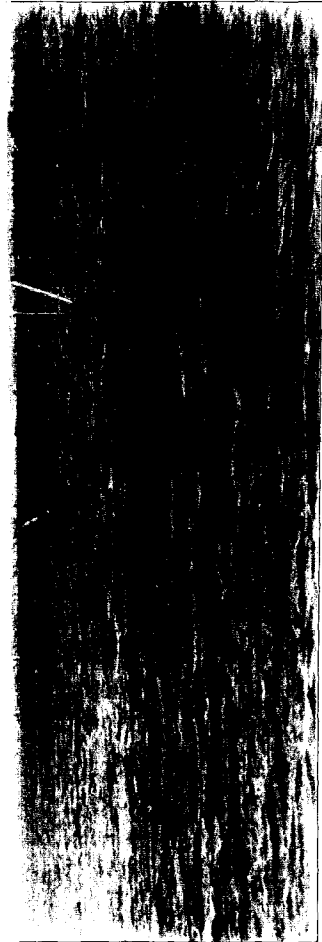
Site #250 (BBTB), Turtle Bay, Barataria Bay.



Site #250 (BBTB), Turtle Bay, Barataria Bay (from chart 11365).



Site #250 (BBTB), Turle Bay, Barataria Bay.





**GERG SITE NUMBER - 251**

**DESIGNATOR - TBLF**

**SITE - LAKE FELICITY, TERREBONNE BAY, LA**

**NOMINAL SITE CENTER - 29°15.80'N 90°24.40'W**

**LOCATED ON NOS CHART # - 11357**

**SITE ACCESS** - The launch ramp is located at the Coco Marina, in Cocodrie. An alternate ramp is located at the LUMCON facility, also in Cocodrie. From the marina, proceed south down Bayou Petit Caillou to the Houma Navigation Canal, then southwest out into Terrebonne Bay. At green channel marker "17", head east to Pass Barre, then northeast across Lake Barre and into Lake Felicity. The run time to the site is about 1 hour by boat. The site is located at an old abandoned burned out fish camp, on the southeast side of Lake Felicity, near Grand Pass Felicity. If this site is being sampled along with TBLB (Terrebonne Bay, Lake Barre), one can easily cut across Lake Barre to get to Lake Felicity. Landforms in the area sometimes bear little resemblance to the local navigation charts, as a result of a few hurricanes and no recent survey.

**SITE DESCRIPTION** - Station 1 is located on the grass flats at the southeast corner of bay, south of green channel marker "5" in Felicity Bayou next to the abandoned fish camp. Station 2 is located approximately 200 meters northwest of the dock at the fish camp, at a bearing of 320° from Station 1. The oysters are collected from a small reef at the edge of the *Spartina alterniflora* marsh. Station 3 is a subtidal grass bed west of the fish camp, on an island at a bearing of 240° from the fish camp.

#### **OYSTER COLLECTIONS**

1995 The site was not scheduled to be collected this year.

#### **SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

#### **SAMPLING METHODS**

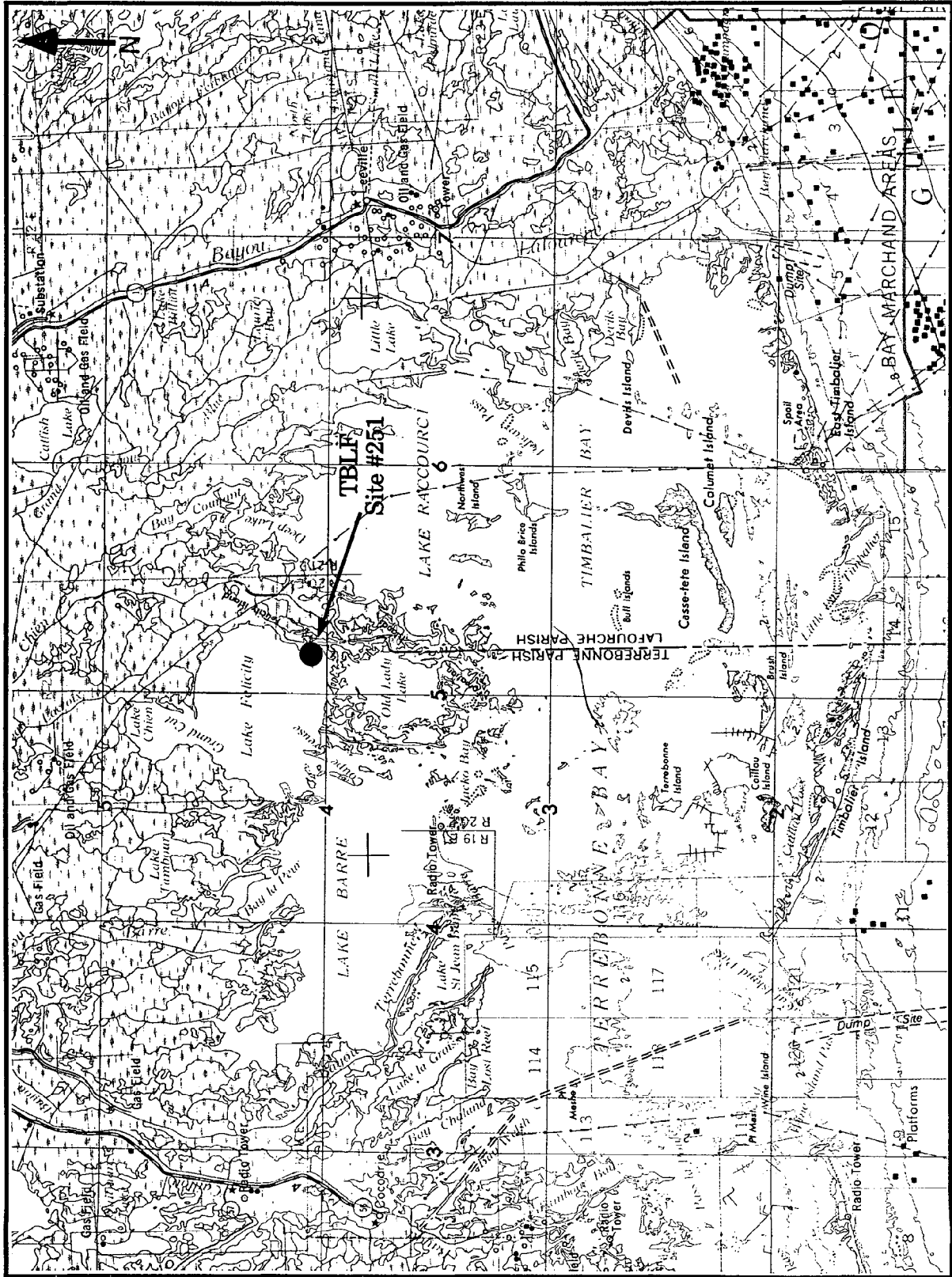
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0 to 0.5 m

**POSSIBLE CONTAMINANTS** - There are no obvious sources of contamination in the vicinity, except for the large oil and gas production field in Terrebonne Bay.

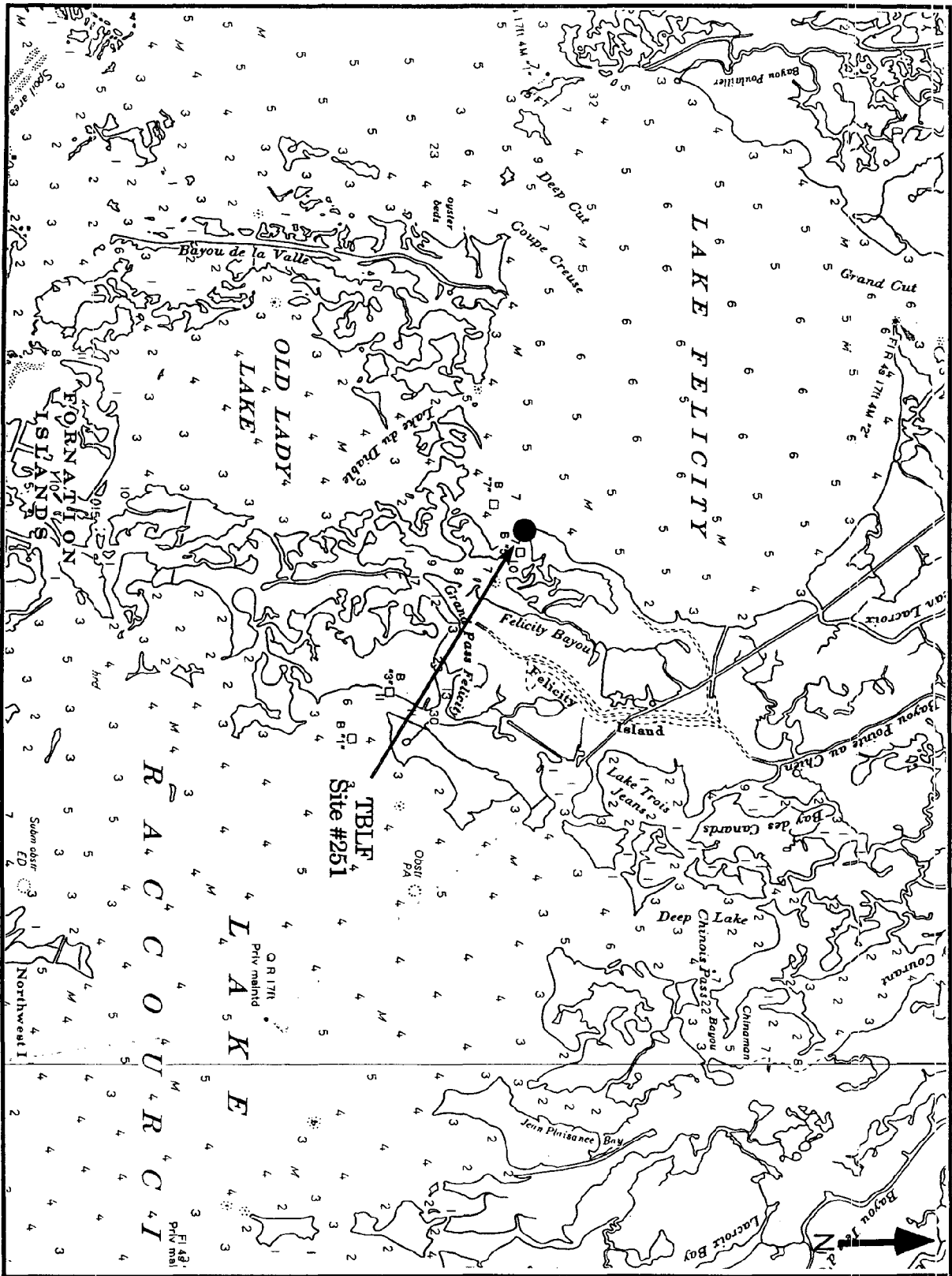
## ENVIRONMENTAL DATA

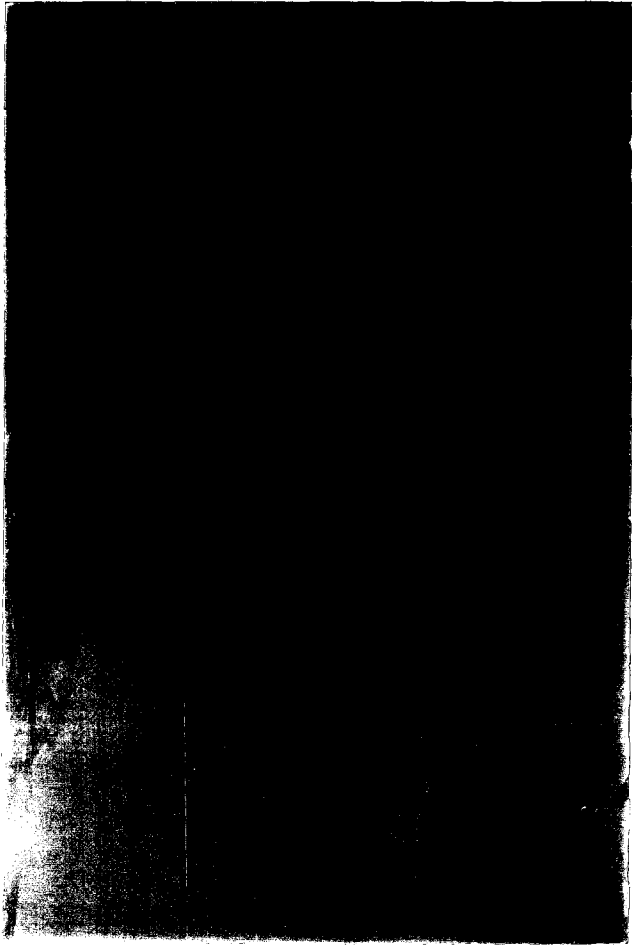
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A



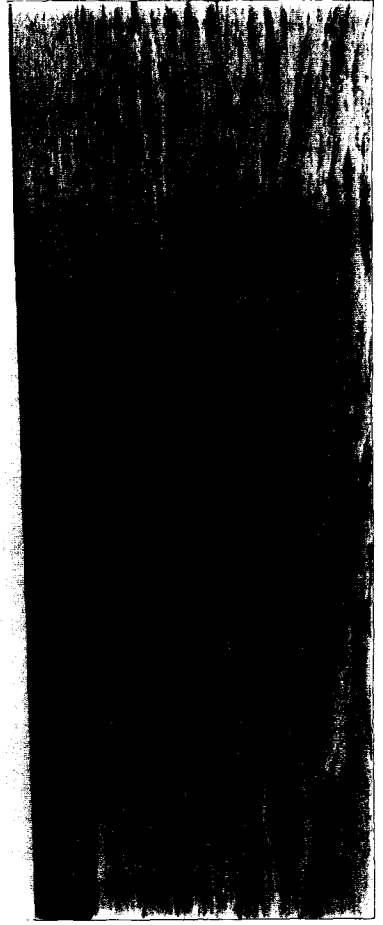
Site #251 (TBLF), Lake Felicity, Terrebonne Bay.

Site #251 (TBLF), Lake Felicity, Terrebone Bay (from chart 11357).





Site #251 (TBLF), Lake Felicity, Terrebone Bay.



**GERG SITE NUMBER** - 252

**DESIGNATOR** - TBLB

**SITE** - LAKE BARRE, TERREBONNE BAY, LA

**NOMINAL SITE CENTER** - 29°15.60'N 90°35.70'W

**LOCATED ON NOS CHART #** - 11357

**SITE ACCESS** - Access to the site is by boat launched at the Coco Marina, in Cocodrie. An alternate launch is at the LUMCON facility, also in Cocodrie. Proceed north along Bayou Petit Caillou to the second cut to the east. Turn right (east) into the Lapeyrouse Canal and proceed to Bayou Terrebonne. Then turn south and proceed to the third cut to the left (east) on Bayou Terrebonne, that will lead into Bay la Fleur. The site lies along the edge of the Bayou Terrebonne to south of this cut. The run time to the site is approximately half an hour.

**SITE DESCRIPTION** - All three stations are located along Bayou Terrebonne. Station 1 is in a small bay on the west side of the bayou, about 0.5 miles north of the cut into Lake Barre. Landmarks and bearing are 265° to the LUMCON tower; 163° to green channel marker "3", and 106° to the Montegert water tower. Station 2 is located farther upstream at the mouth of Bayou Lucien, near an old fishing camp on Bayou Terrebonne. Compass bearings are 258° to the LUMCON tower; and 116° to the green channel marker "1". Oysters and sediments are collected near the remains of a galvanized corrugated iron shed and wooden dock, in the intertidal waters on the northwest shore. Station 3 is farther north on Bayou Terrebonne at the Lake Barre Pass cut to the east, which is the first cut to the east - north of Seabreeze Pass. This cut connects to Bay la Fleur, that lies to the east of Terrebonne Bayou and is northwest of Lake Barre. The samples are collected from an intertidal reef on southwest shore.

#### **OYSTER COLLECTIONS**

*1995* This site was not scheduled for collection this year.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

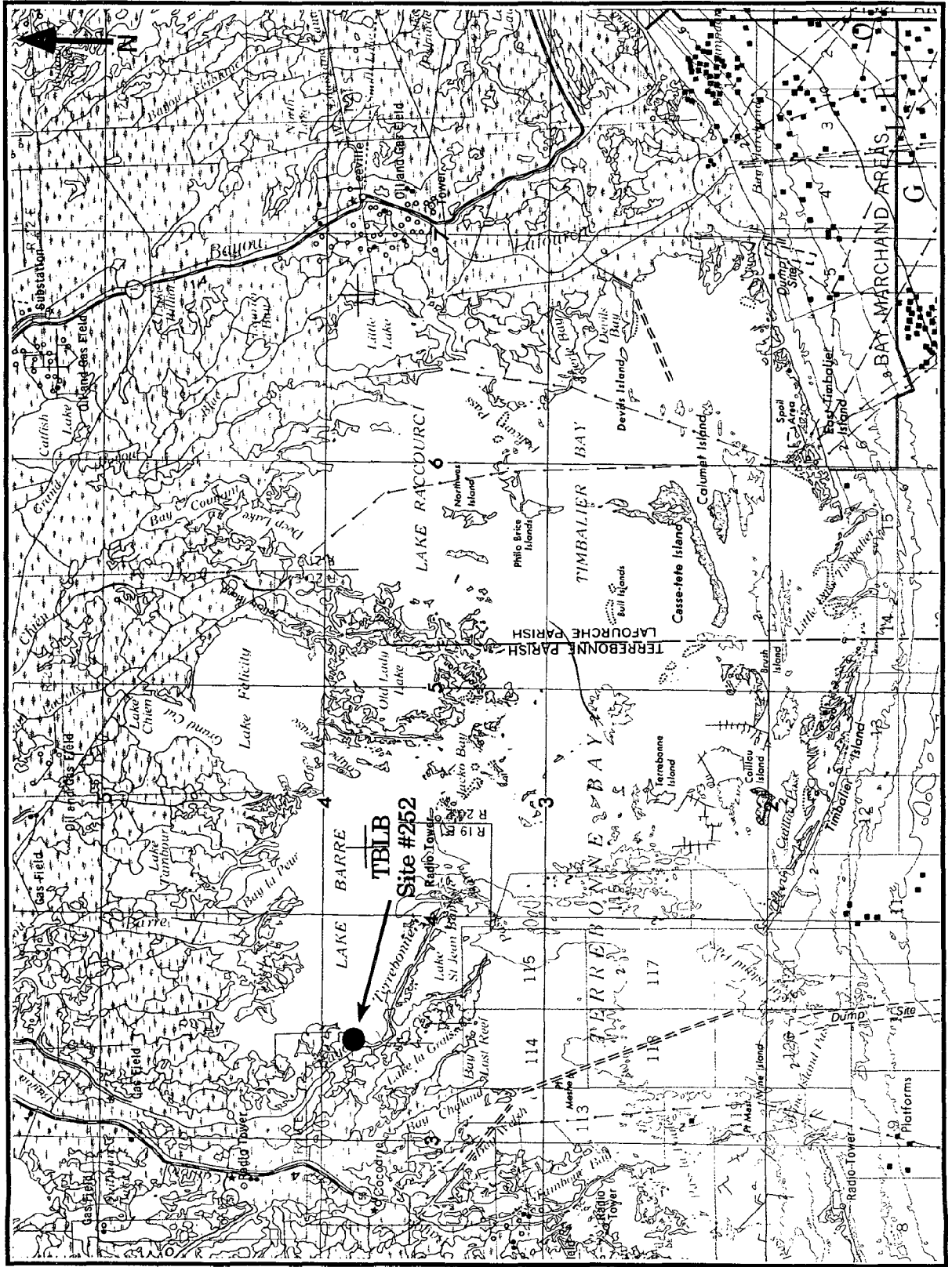
Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0 - 0.5 m

**POSSIBLE CONTAMINANTS** - Contamination factors include marine traffic to the surrounding oil/gas fields, and possibly from the old fish camp ruins near Station 2.

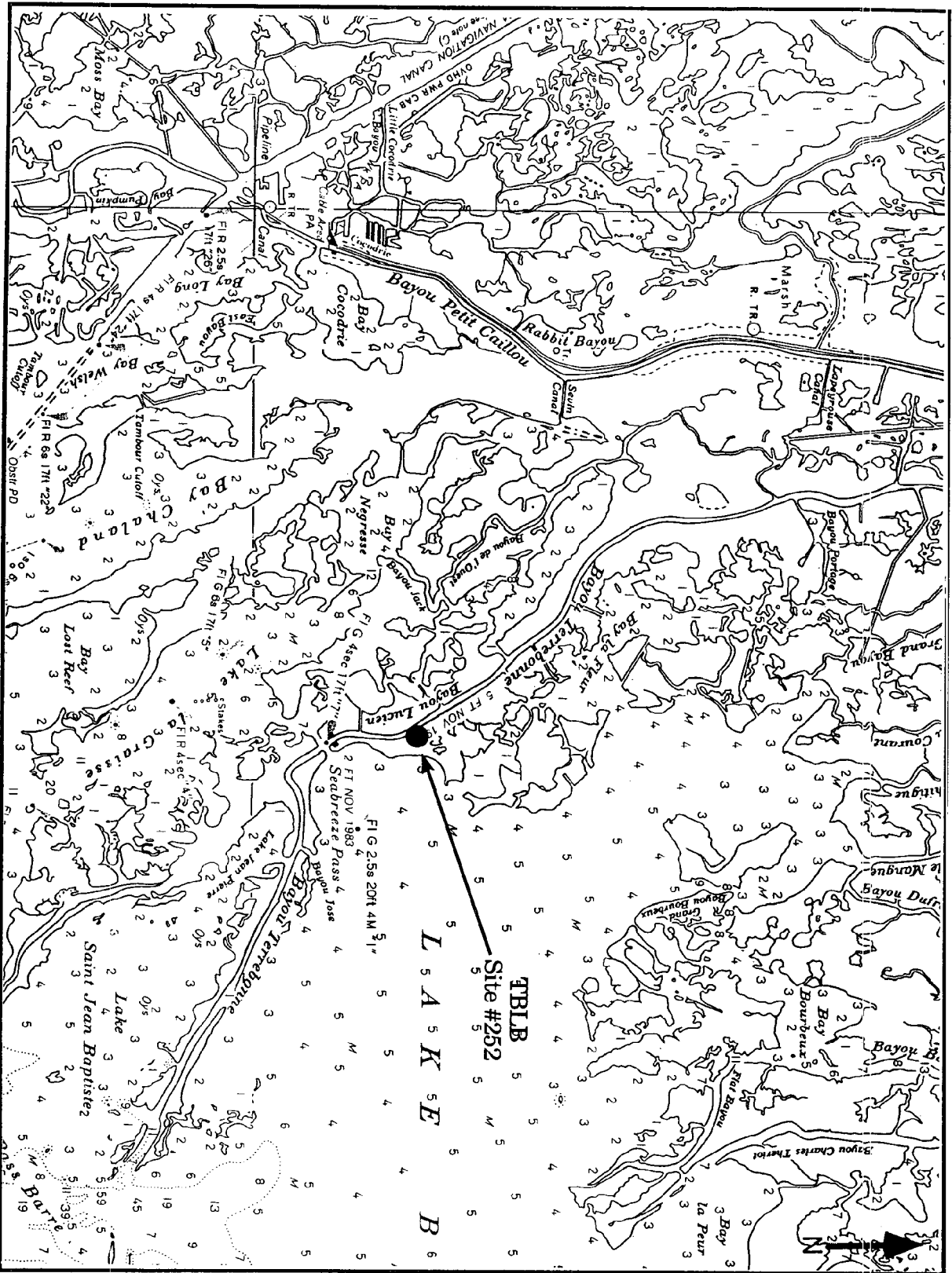
**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A

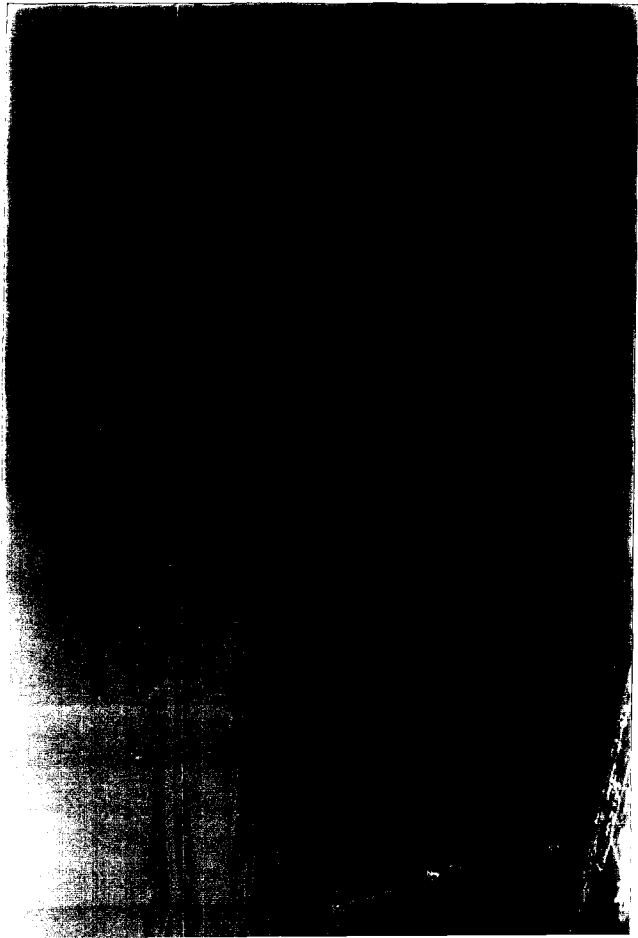


Site #252 (TBLB), Lake Barre, Terrebonne Bay.

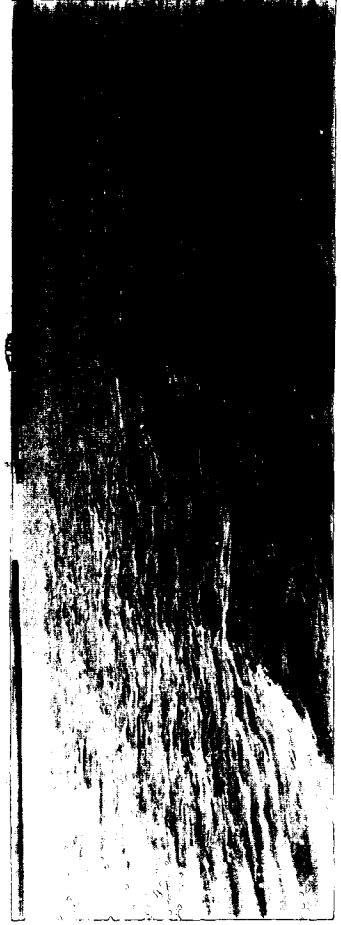




Site #252 (TBLB), Lake Barre, Terrebone Bay (from chart 11357).



Site #252 (TBLB), Lake Barre, Terrebone Bay.



**GERG SITE NUMBER - 253**

**DESIGNATOR - CLCL**

**SITE - CAILLOU LAKE, CAILLOU LAKE, LA**

**NOMINAL SITE CENTER - 29°15.19'N 90°55.60'W**

**LOCATED ON NOS CHART # - 11356**

**SITE ACCESS** - The boat launch is at Bayou Dularge Sporting Goods, at the end of LA Highway 315. Proceed down Bayou Dularge to the southwest, to the channel connecting Lake Caillou and Lake Merchant. Turn south into Caillou Lake and head towards the Fish and Wildlife Camp on the island to the southeast. Run time to the site is about half an hour.

**SITE DESCRIPTION** - The site is located in Caillou Lake, between red channel marker "14" and the F&WL Camp. The reef is usually closed to oystering as it is in a research area, and it is necessary to notify the F&WL Camp officials prior to sampling.

#### **OYSTER COLLECTIONS**

*1995* Medium to large oysters are found in singles and clusters, scattered in patches throughout the area. There are no well defined reefs, with an abundant supply of oysters.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year. The sediment sampling stations are located to the north of the oyster site, along the shoreline that separates Bayou DuLarge from Caillou Lake. Sediment Station 1 is located at the base of red channel marker "18". Station 2 is located at the mouth of a small cove 300 meters to the east. Station 3 is located about 100 meters from the shore in the large cove due north of the F&WL Camp.

#### **SAMPLING METHOD**

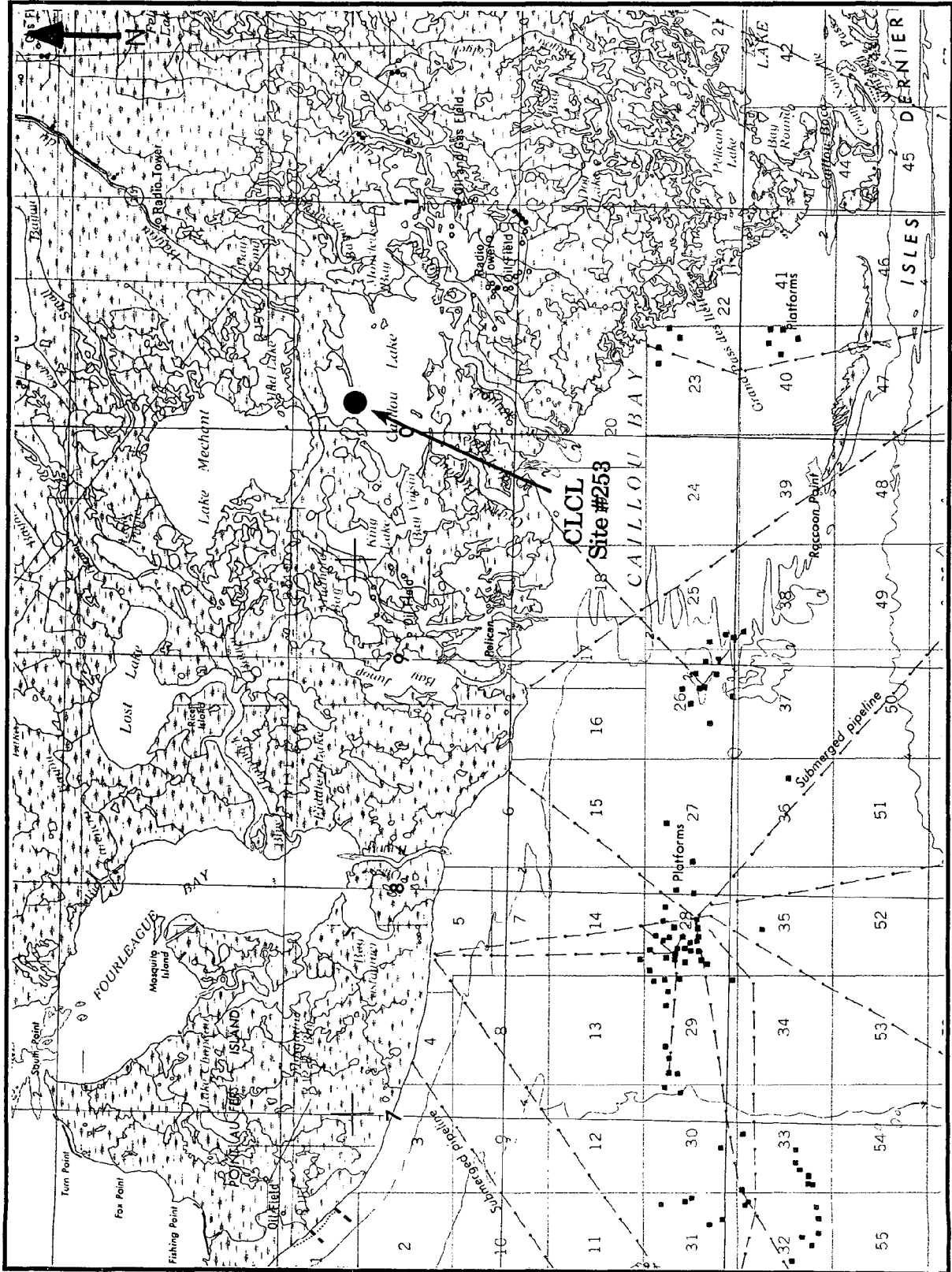
Oysters - SS dredge  
Sediment - N/A

**WATER DEPTH** - subtidal, 2.0 m

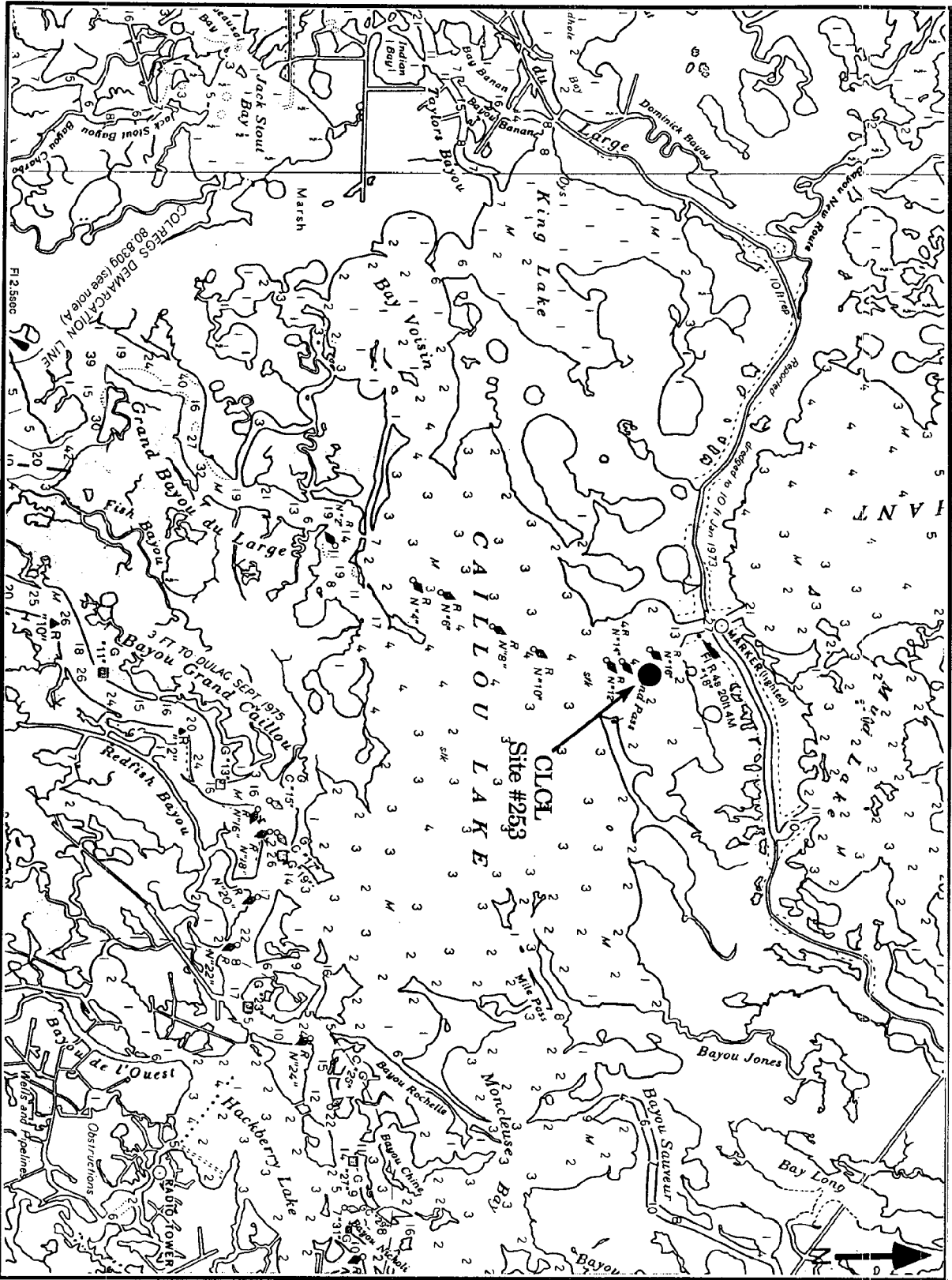
**POSSIBLE CONTAMINANTS** - Possible sources of contamination in the vicinity includes the numerous fish camp houses along Bayou DuLarge, that are without adequate sewer systems. There is also fairly heavy marine traffic on the Bayou.

**ENVIRONMENTAL DATA**

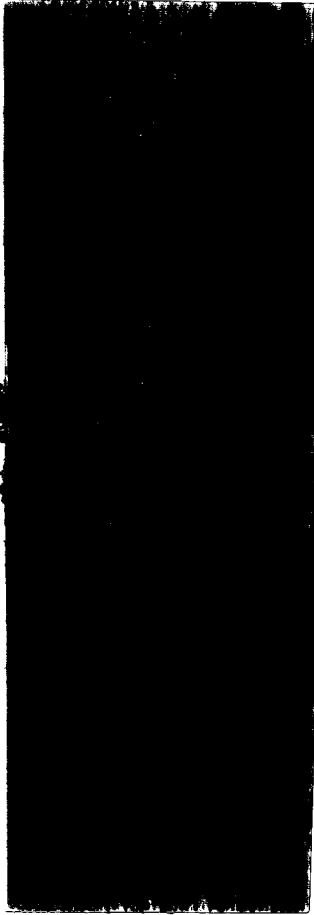
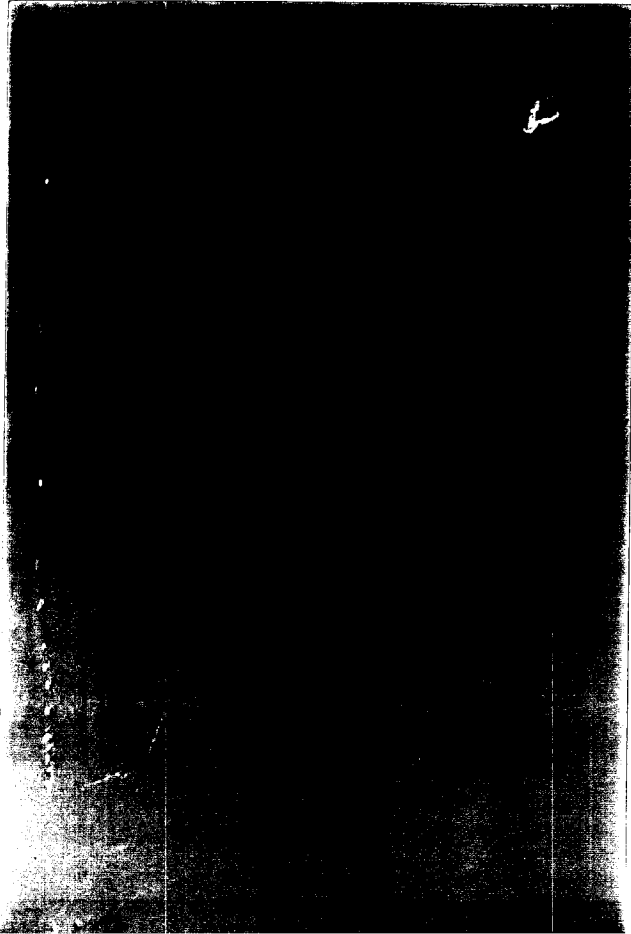
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	10.0	17.5	12 January 1995



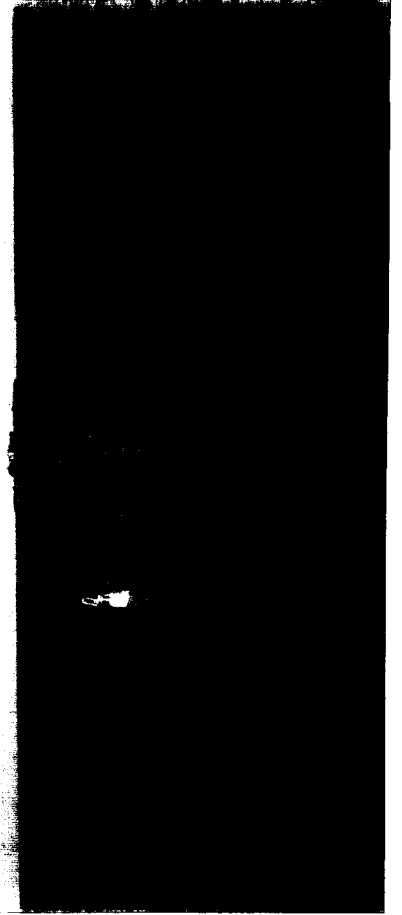
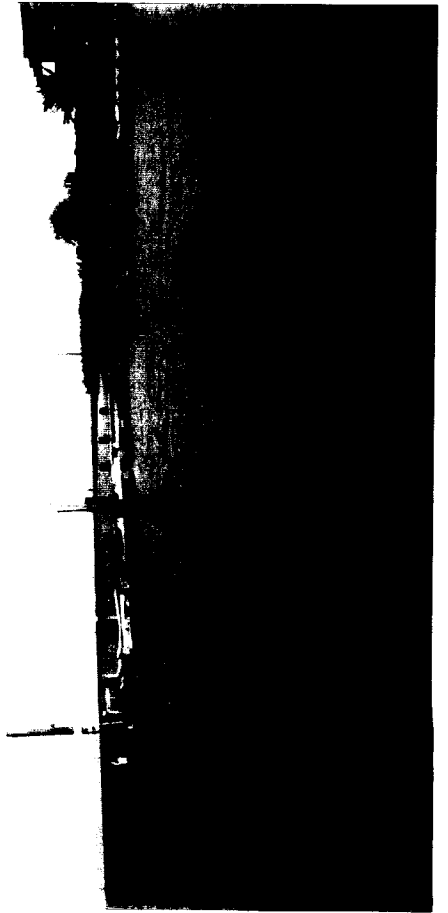
Site #253 (CLCL), Caillou Lake, Caillou Lake.



Site #253 (CIOL), Caillou Lake, Caillou Lake (from chart 11356).



Site #253 (CLCL), Caillou Lake, Caillou Lake.



GERG SITE NUMBER - 254

DESIGNATOR - ABOB

SITE - OYSTER BAYOU, ATCHAFALAYA BAY, LA

NOMINAL SITE CENTER - 29°15.33'N 91°08.17'W

LOCATED ON NOS CHART # - 11356

**SITE ACCESS** - The only access to the site is by a boat, via a circuitous route of over twenty miles that will take the minimum of an hour to do in good weather. The only launch ramp is at Dularge Sporting Goods, at the end of LA Highway 315. Proceed southwest down Bayou Dularge to the channel that joins Lake Mechant and Caillou Lake. From here, there are a number of different ways to get to Oyster Bayou. One route, is to cross Caillou Lake and go down Grand Bayou Dularge and out into the Gulf. From here, head west some ten miles to the large navigation marker (29°12.73'N, 91°07.70'W) just to the south of the mouth of Oyster Bayou. A more circuitous route is possible through Lake Merchant, then winding through the Blue Hammock Bayou and into Four Leagues Bay. From here, head south to Oyster Bayou. However, the western end of Lake Mechant and the eastern section of the Blue Hammock Bayou is very shallow, and should not be attempted except in a shallow draft boat at medium to high tide.

**SITE DESCRIPTION** - The sampling stations are all intertidal and are located along the length of Oyster Bayou, which joins Four League Bay with the Gulf of Mexico to the south. The *entire* area is leased by Mr. Wilson Voisin and his son - Mr. Wilson Voisin Jr., "Tee", and the oysters can only be obtained after their permission is given. Tel. (504) 879-1681 (home) or (504) 857-8855 (oyster shop). Station 1 is located 300 meters south of the old shrimp drying camp (on the east bank) on a small reef on the west side of the bayou. Station 2 is located right next to the old shrimp drying camp on the east bank, and Station 3 is another 250 meters to the north on the west bank.

#### OYSTER COLLECTIONS

1995 Oysters of all sizes were abundant throughout the entire area, occurring in singles and clusters on the reefs and mudflats along the edge of the bayou and *Spartina alterniflora* marshland. The entire area had been closed to oystering by the LA Department of Health.

#### SEDIMENT COLLECTIONS

1995 No sediments were collected this year. Sediment Station 1 is located in a small cove on the west bank, at the mouth of Oyster Bayou. Station 2 is located on the east side shoreline, 0.5 miles north of Station 1 and 300 meters south of the old shrimp drying camp. Station 3 is located north of Station 2 on the east shore, at the southernmost pilings of the old dock next to the three abandoned old wooden buildings with rusty tin roofs.



**SAMPLING METHOD**

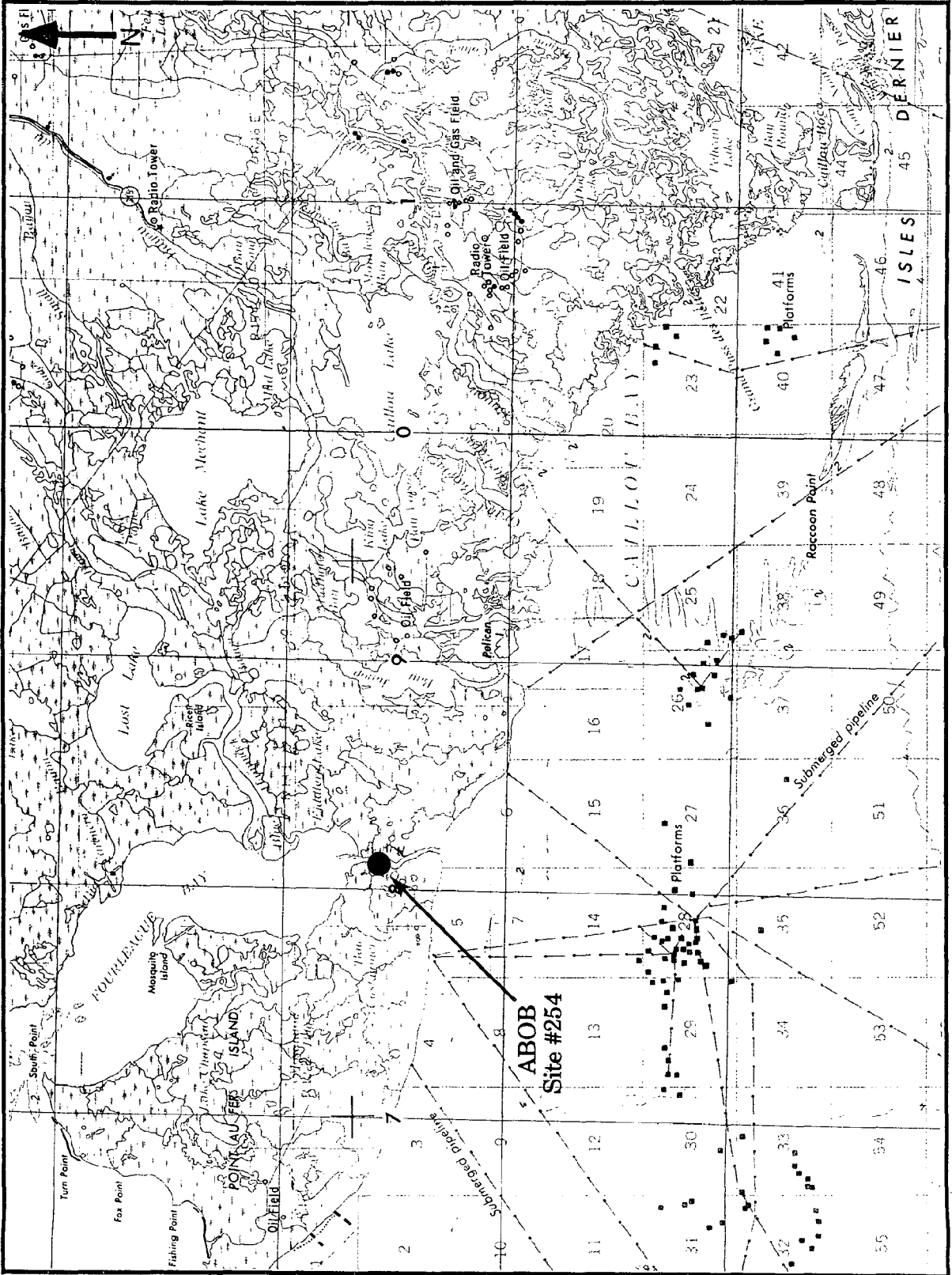
Oyster - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0 - 2.0 m

**POSSIBLE CONTAMINANTS** - There are no obvious visible point sources of contamination in the area.

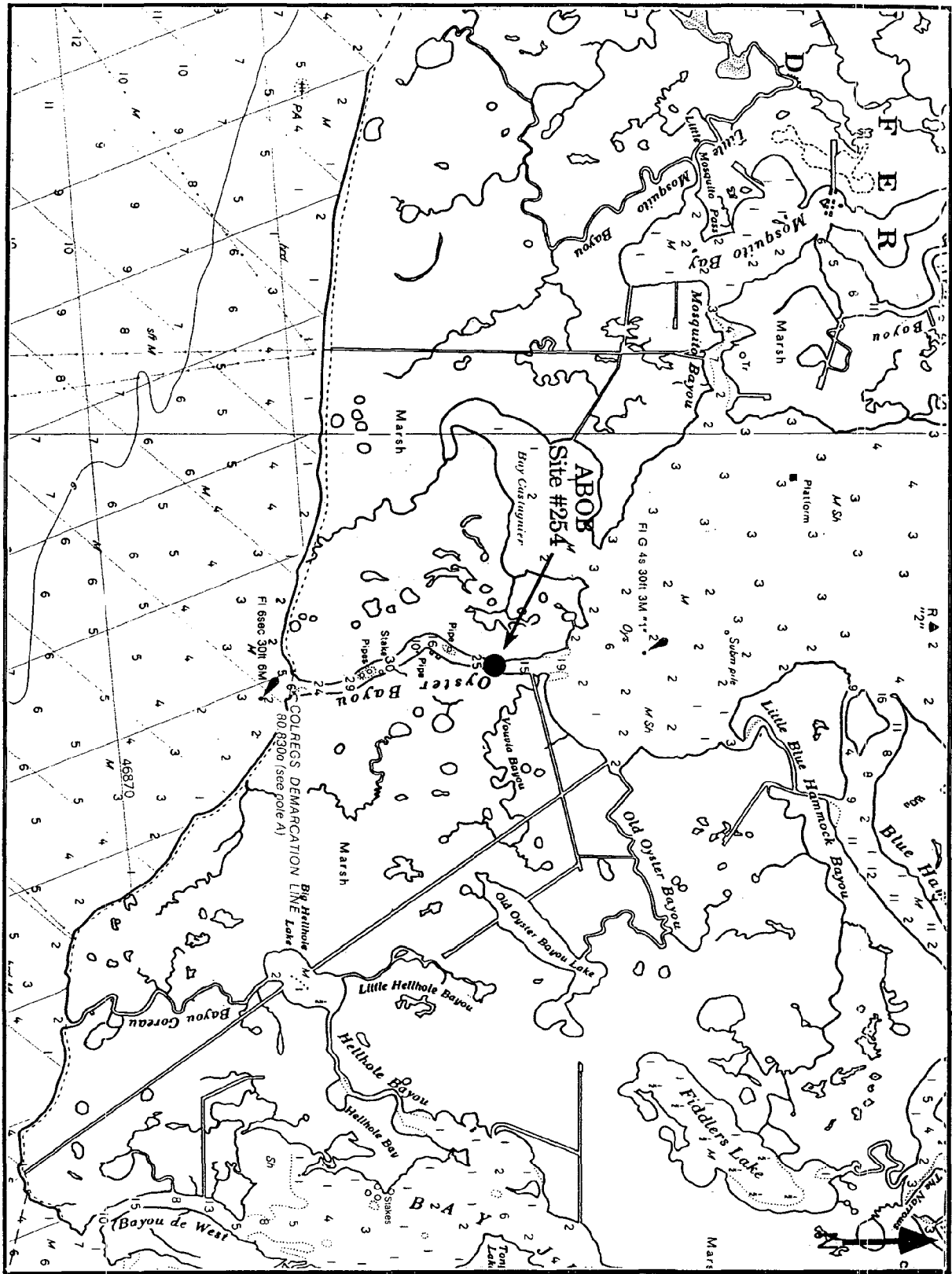
**ENVIRONMENTAL DATA**

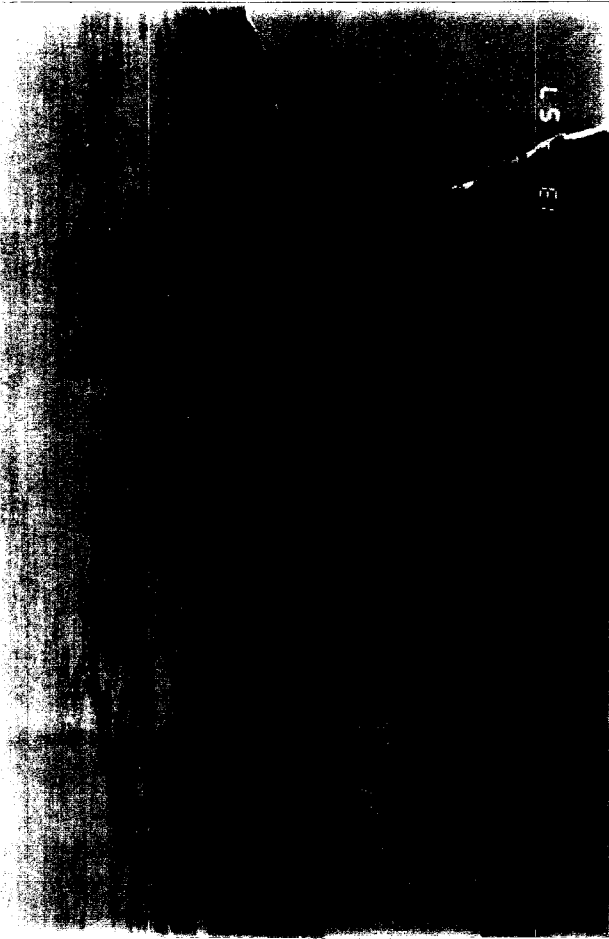
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	18.0	17.0	12 January 1995



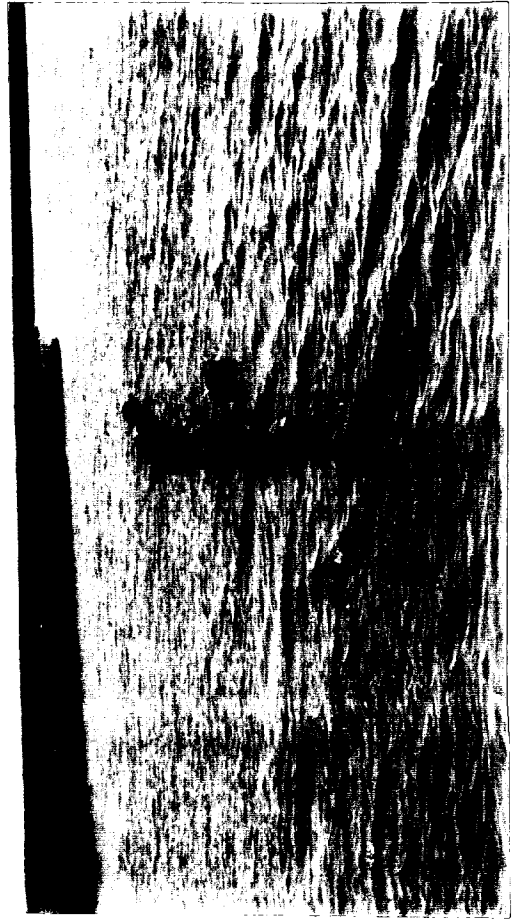
Site #254 (ABOB), Oyster Bayou, Atchafalaya Bay.

Site #254 (ABOB), Oyster Bayou, Atchafalaya Bay (from chart 11356).





Site #254 (ABOB), Oyster Bayou, Atchafalaya Bay.



**GERG SITE NUMBER - 255**

**DESIGNATOR - VBSP**

**SITE - SOUTHWEST PASS, VERMILLION BAY, LA**

**NOMINAL SITE CENTER - 29°34.77'N 92°03.06'W**

**LOCATED ON NOS CHART # - 11349**

**SITE ACCESS** - Access to the site is by boat, launched into the Quintana Canal at the Cypremort Point State Park. From LA Hwy. 90, head south along Hwy. 83 to Louisa, then follow Hwy. 319 south to the State Park. Southwest Pass is about 10 miles across Vermillion Bay from the boat ramp, at a bearing of 225°. Green channel marker "1" (29°37.62'N, 91°51.62'W) lies just to the north of the Pass. The site lies to the west of green channel marker "3" (29°34.89'N, 92°03.14'W), which is just south of the Pass entrance. Shoaling is very steep and treacherous through Southwest Pass, especially on the west side of the channel opposite Marsh Island.

**SITE DESCRIPTION** - The site is located adjacent to the channel, to the west of Lighthouse Point in Lease Block 25918. Station 1 is located 50 to 100 meters west of the green channel marker "3", just to the east of a north/south line of white PVC poles. Station 2 is located just to the west of the PVC poles, some 150 to 200 meters from the channel marker. Station 3 lies some 400 meters west of the marker, close to a second north/south line of white PVC poles.

#### **OYSTER COLLECTIONS**

*1995* There were very few small to medium sized oysters to be found across the entire area. There was a great deal of shell, with a few spat and some mussels.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - SS dredge

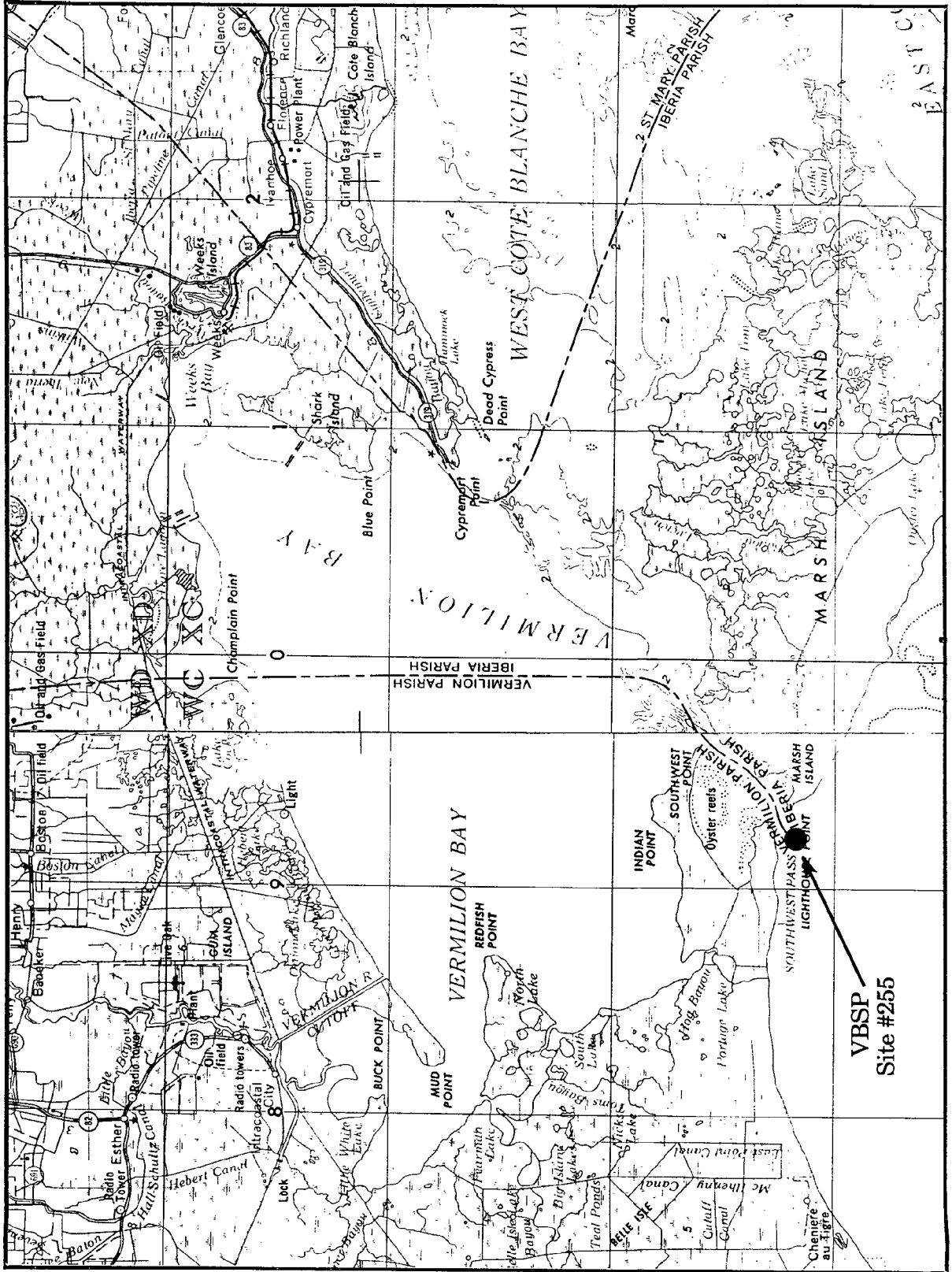
Sediment - N/A

**WATER DEPTH** - subtidal, 1.5 - 2,0 m

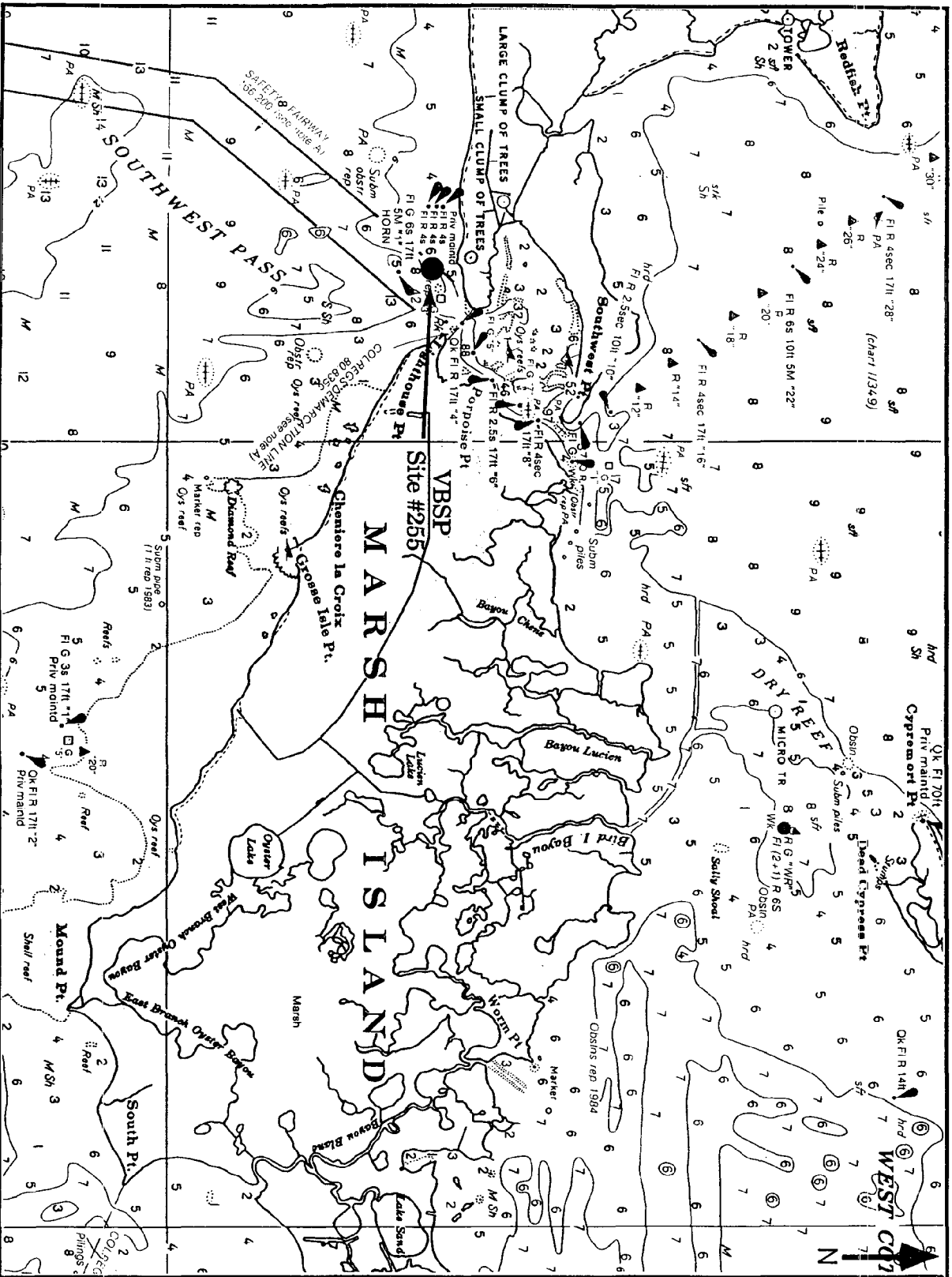
**POSSIBLE CONTAMINANTS** - There are no obvious visible point sources of contamination, other than the oil and gas wells further to the north in Vermilion Bay. There is also a fair amount of marine traffic, in and out of the Southwest Pass.

**ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	8.0	13.0	11 January 1995



Site #255 (VBSP), Southwest Pass, Vermillion Bay.



Site #255 (VBSP), Southwest Pass, Vermillion Bay (from chart 11349).

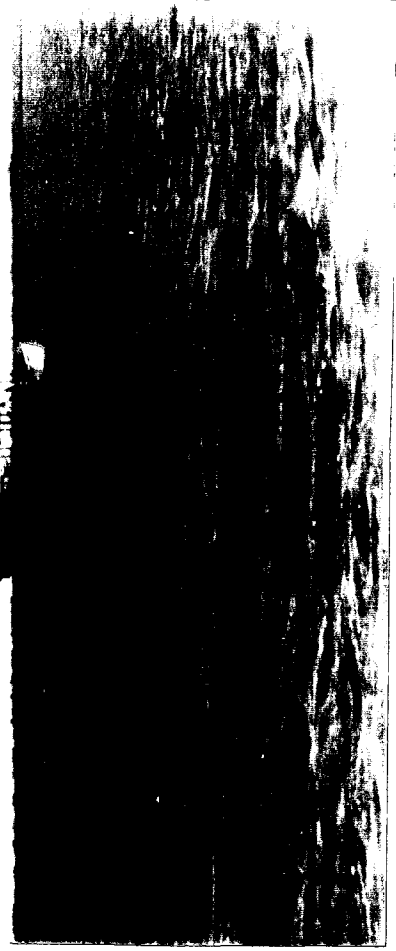
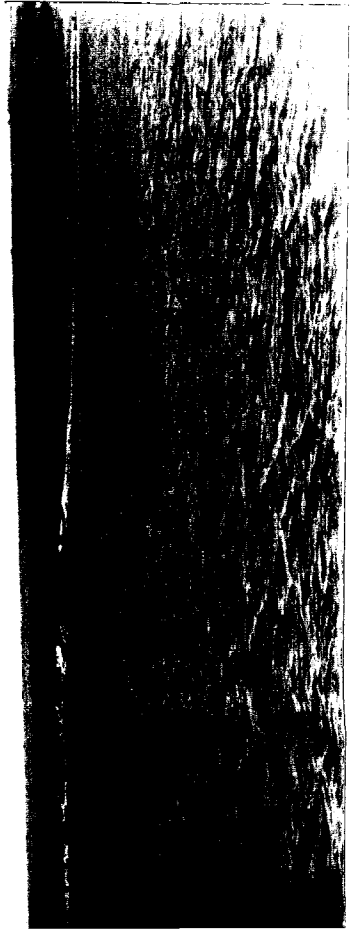




13 - 38



Site #255 (VBSP), Southwest Pass, Vermillion Bay.



**GERG SITE NUMBER - 256**

**DESIGNATOR - JHJH**

**SITE - JOSEPH HARBOR BAYOU, J. HARBOR BAYOU, LA**

**NOMINAL SITE CENTER - 29°38.21'N 92°46.01'W**

**LOCATED ON NOS CHART # - 11344**

**SITE ACCESS** - Access to the site is by boat, launched at a public boat ramp just off Highway 82, to the west of the North Island Canal swing bridge. The ramp is about 5 miles east of the Grand Chenier water tower, on the right hand side (south side) of the road behind a small Pennzoil pumping facility. The ramp is not easily sighted from the highway. Proceed by boat south along the Humble Canal, to the mouth of Joseph Harbor Bayou. Run time to the site is approximately 20 minutes. The Rockefeller Refuge Wildlife & Fisheries patrol officers should be contacted before entering the refuge area, Tel. (318) 538-2276.

**SITE DESCRIPTION** - The site is located along the edge of the bayou, next to the *Spartina alterniflora* marshland. Station 1 is located 500 meters upstream from the mouth of the Bayou, on the west bank. Station 2 lies a further 100 meters upstream, at a bearing of 315° from Station 1. Station 3 is 50 meters northwest of Station 2 on a small reef on the intertidal mudflat. Low tide is the optimum collection time, as the oysters can then be picked up by hand.

#### **OYSTER COLLECTIONS**

1995 Oysters of all sizes were scattered across the numerous reefs, in singles and clusters. No spat were observed.

#### **SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - hand  
Sediment- N/A

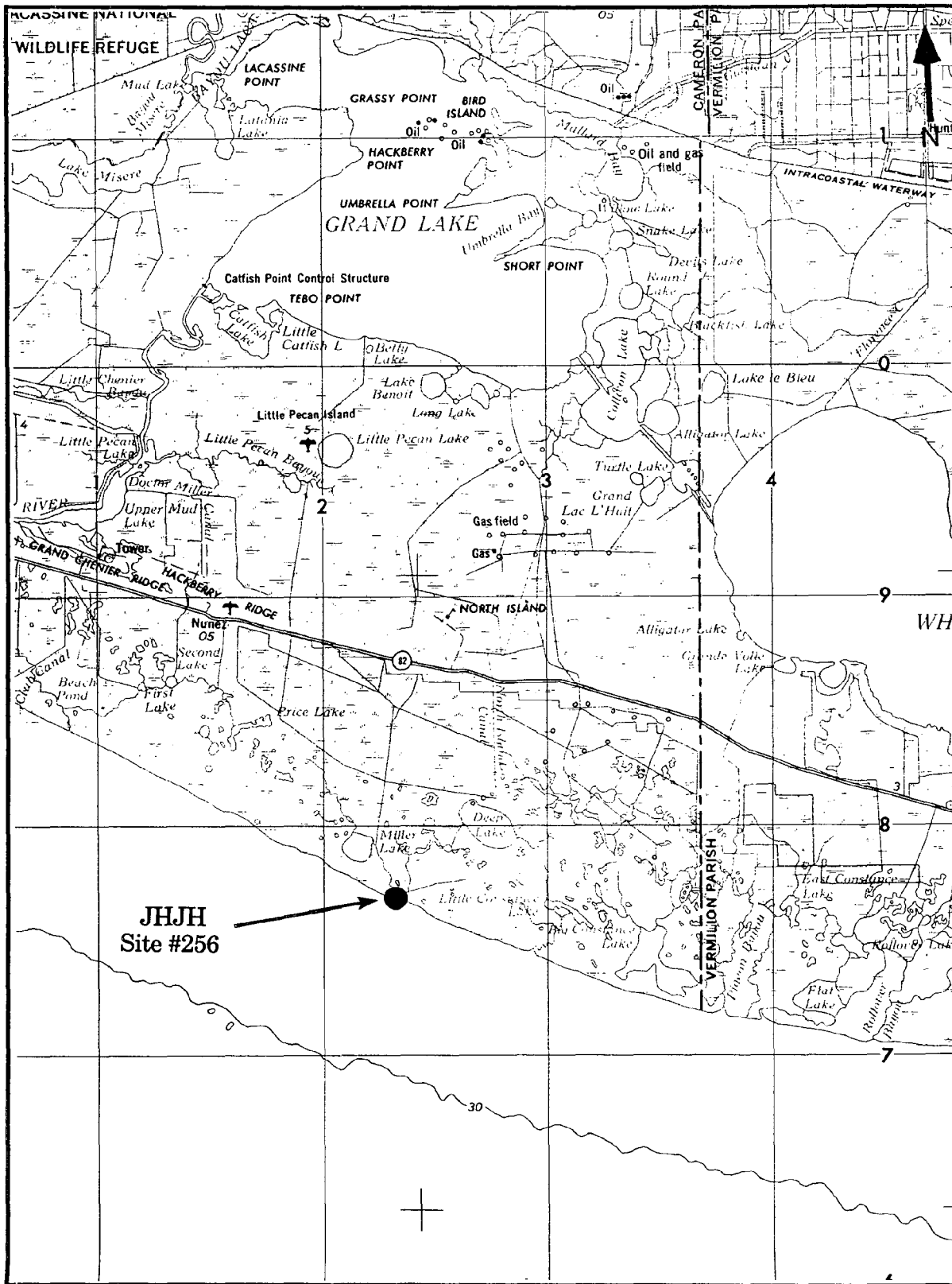
**WATER DEPTH** - intertidal, 0.5 m

**POSSIBLE CONTAMINANTS** - There were no obvious visible point sources of contamination in the area, apart from occasional dredging to keep the channel open.

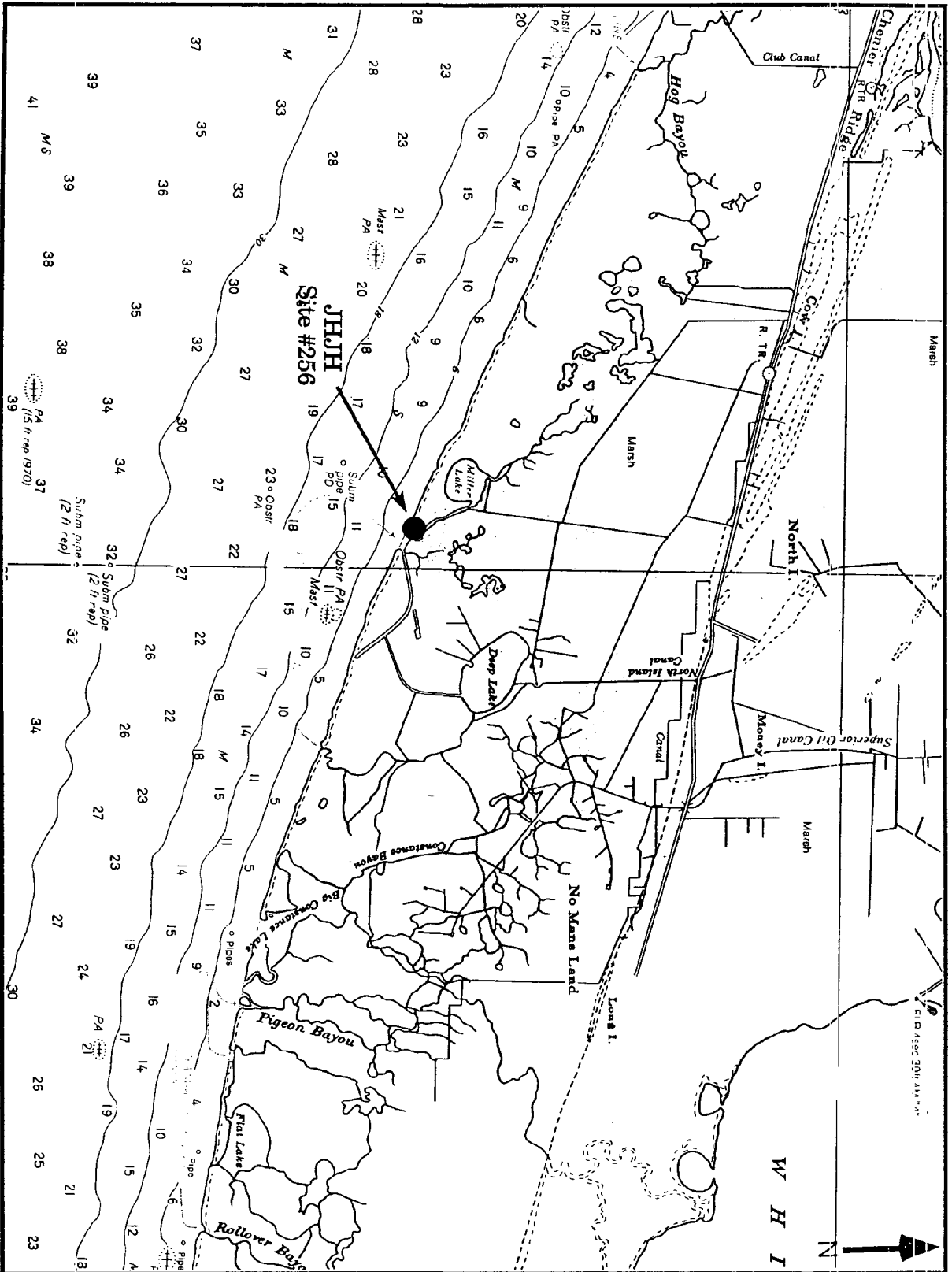
#### **ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	22.0	15.0	10 January 1995





Site #256 (JHJH), Joseph Harbor Bayou, J. Harbor.



Site #256 (JHJH), Joseph Harbor Bayou, J. Harbor (from chart 11345).



Site #256 (JHJH), Joseph Harbor Bayou, J. Harbor.



**GERG SITE NUMBER - 257**

**DESIGNATOR - CLLC**

**SITE - LAKE CHARLES, CALCASIEU LAKE, LA**

**NOMINAL SITE CENTER - 30°03.42'N 93°18.42'W**

**LOCATED ON NOS CHART # - 11347**

**SITE ACCESS** - Access to the site is gained by boat, launched at the Cajun Cove Marina boat ramp. From LA Hwy. 210 in Lake Charles, head south on Hwy. 384 towards Grand Lake. Cross over the ICWW and Black Bayou, and the ramp is on the right about a mile and a half down the road. From the ramp, proceed west about a mile to the shell island. The channel going out from the launch is very shallow at low tide. The Hwy. 27 bridge over the ICWW at Ellender is due west of the site, and there is another boat ramp there.

**SITE DESCRIPTION** - This collection site is located in the north end of Calcasieu Lake, just to the east of a small island between East and West Passes. Station 1 is located on the south end of the shell reef, just to the northeast of the *Spartina alterniflora* island. Station 2 is 75 meters to the north and Station 3 is 100 meters west of Station 2. Oysters can easily be collected by hand at low tide.

#### **OYSTER COLLECTIONS**

1995 This site was not scheduled for collection this year.

#### **SEDIMENT COLLECTIONS**

1995 No sediments were collected this year.

#### **SAMPLING METHODS**

Oysters - hand  
Sediment - N/A

**WATER DEPTH** - intertidal, 0.5 m

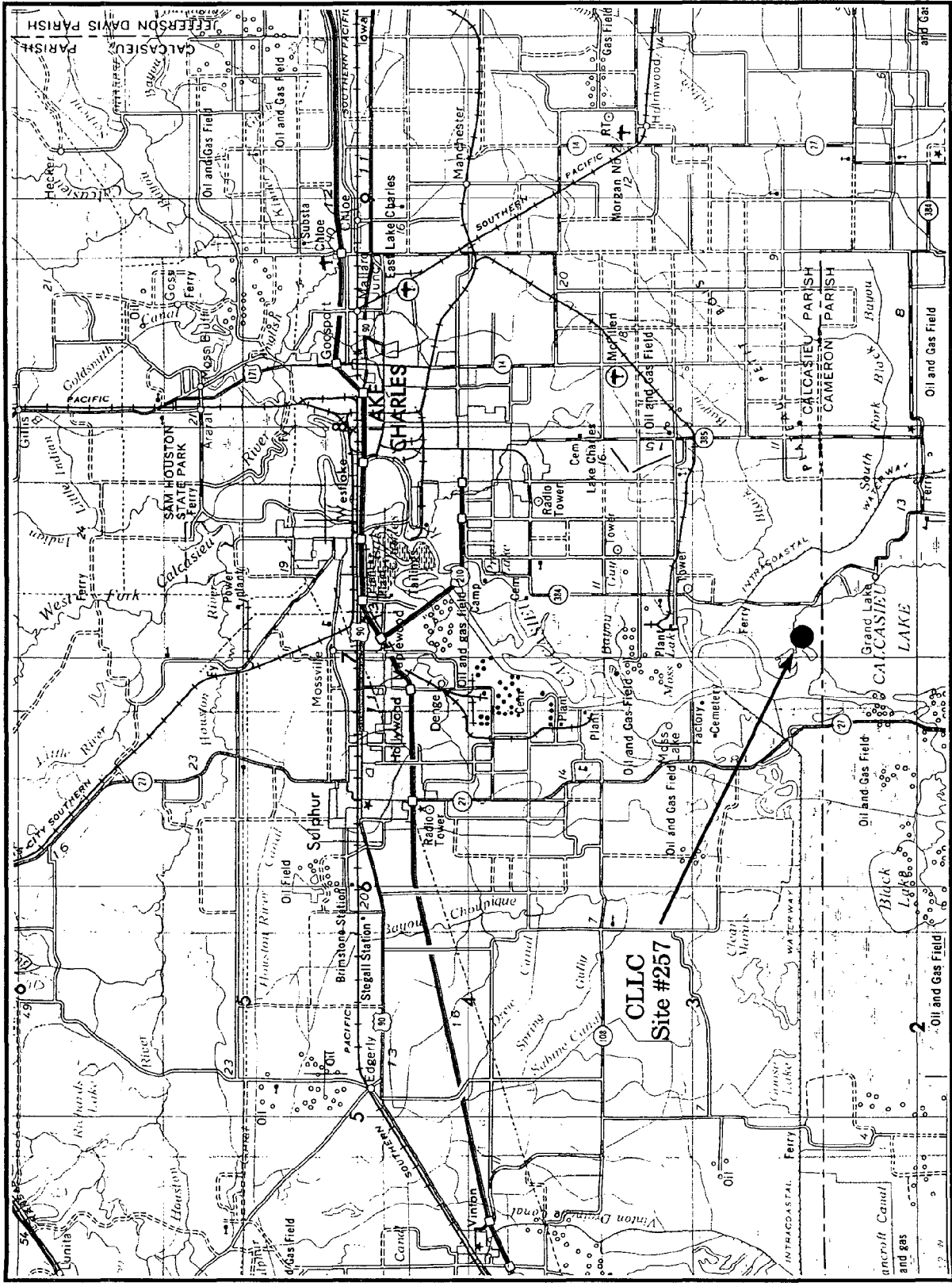
**POSSIBLE CONTAMINANTS** - Potential local contamination is from private piers, septic tanks, oil production, and boat traffic in the nearby ICWW and Calcasieu Channel. However, since the site is located at the mouth of the Calcasieu River, there is a much greater potential for contamination from upstream discharges, particularly from the Lake Charles metropolitan area.

#### **ENVIRONMENTAL DATA**

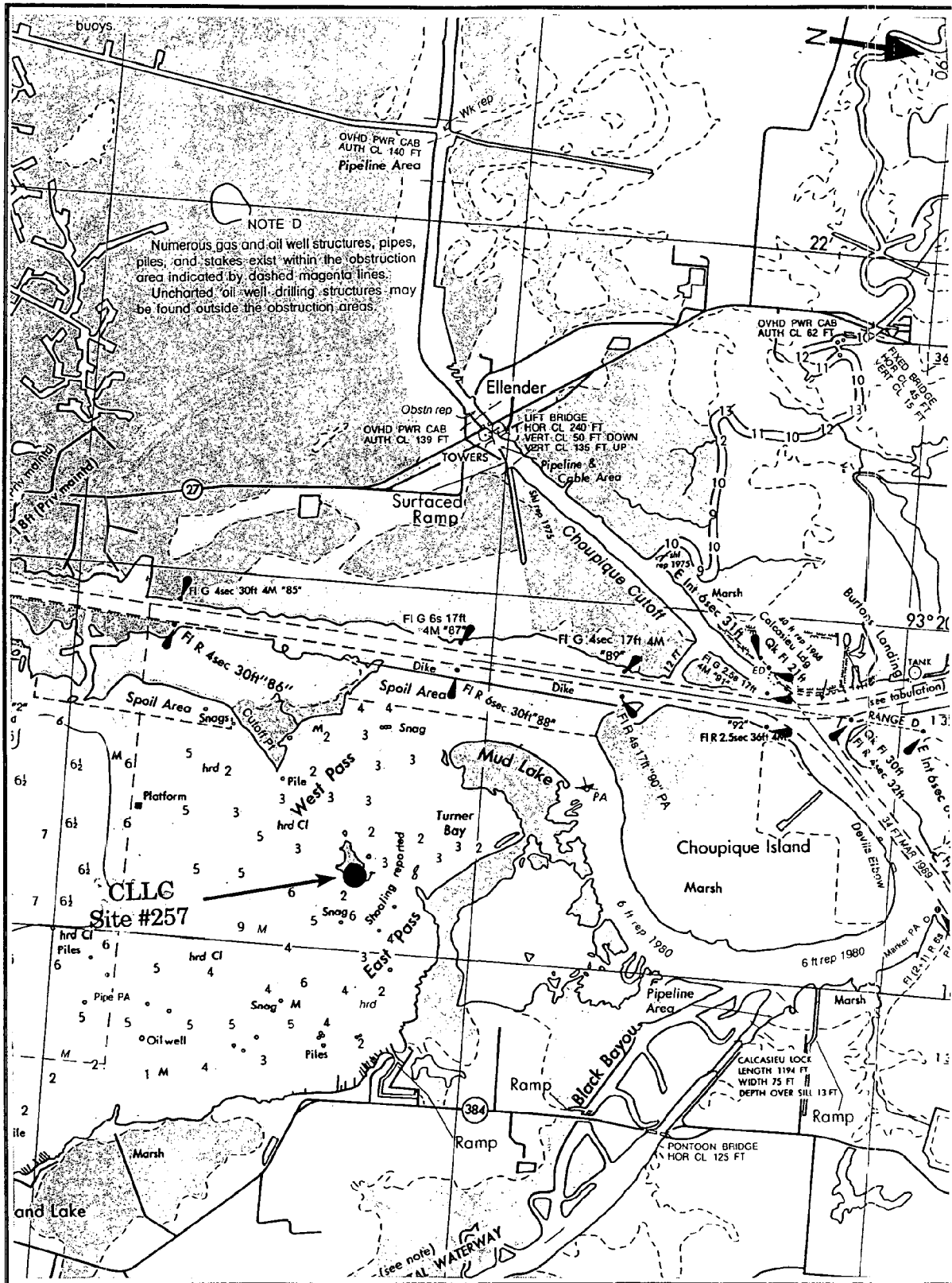
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	N/A







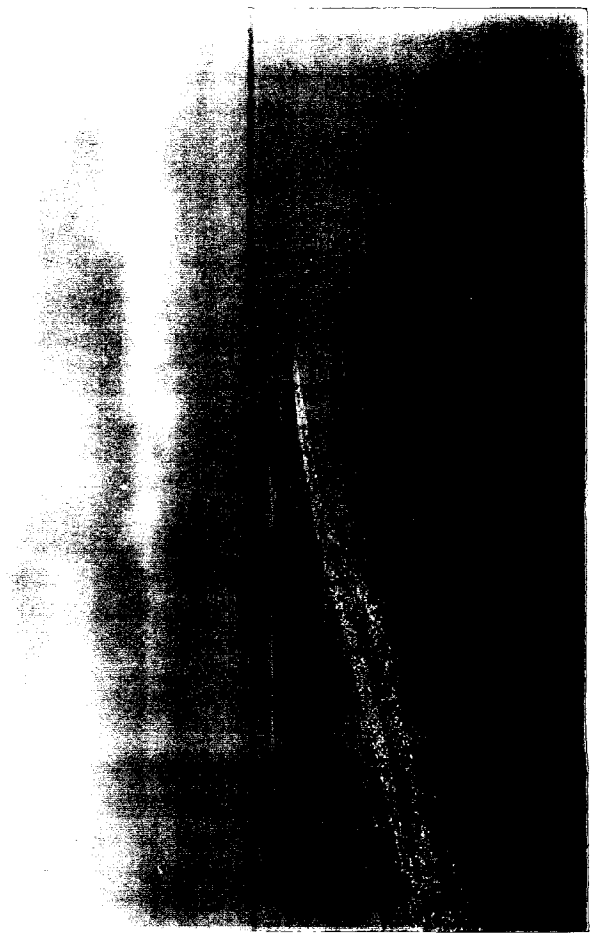
Site #257 (CLLC), Lake Charles, Calcasieu Lake.



Site #257 (CLLC), Lake Charles, Calcasieu Lake (from chart 11347).



Site #257 (CLLC), Lake Charles, Calcasieu Lake.



**GERG SITE NUMBER - 258**

**DESIGNATOR - CLSJ**

**SITE - ST. JOHNS ISLAND, CALCASIEU LAKE, LA**

**NOMINAL SITE CENTER - 29°49.76'N 93°23.01'W**

**LOCATED ON NOS CHART # - 11347**

**SITE ACCESS** - The boat is launched at the small ramp just to the north of the ferry crossing the Calcasieu Channel, to the west of Cameron. The ramp is located on the west bank of the channel, just off LA Hwy. 27/82. Proceed north up the Calcasieu Channel and then west along West Pass. Run time to the site is about 20 minutes.

**SITE DESCRIPTION** - The site is located in West Cove near the mouth of West Pass, between the St. Johns Island shoreline and Rabbit Island. Station 1 is located 100 meters north of the West Pass mouth, in line with Rabbit Island. There are numerous white PVC pole markers, marking the reef. Station 2 is 100 meters east of Station 1 and about 50 meters north of St. Johns Island. Station 3 is located on a small intertidal reef at the opening of the mouth of West Pass, on the east bank.

#### **OYSTER COLLECTIONS**

*1995* Medium and large oysters were abundant across the entire reef, occurring in singles and clusters. No spat or small oysters were observed.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHOD**

Oysters - SS dredge

Sediments - N/A

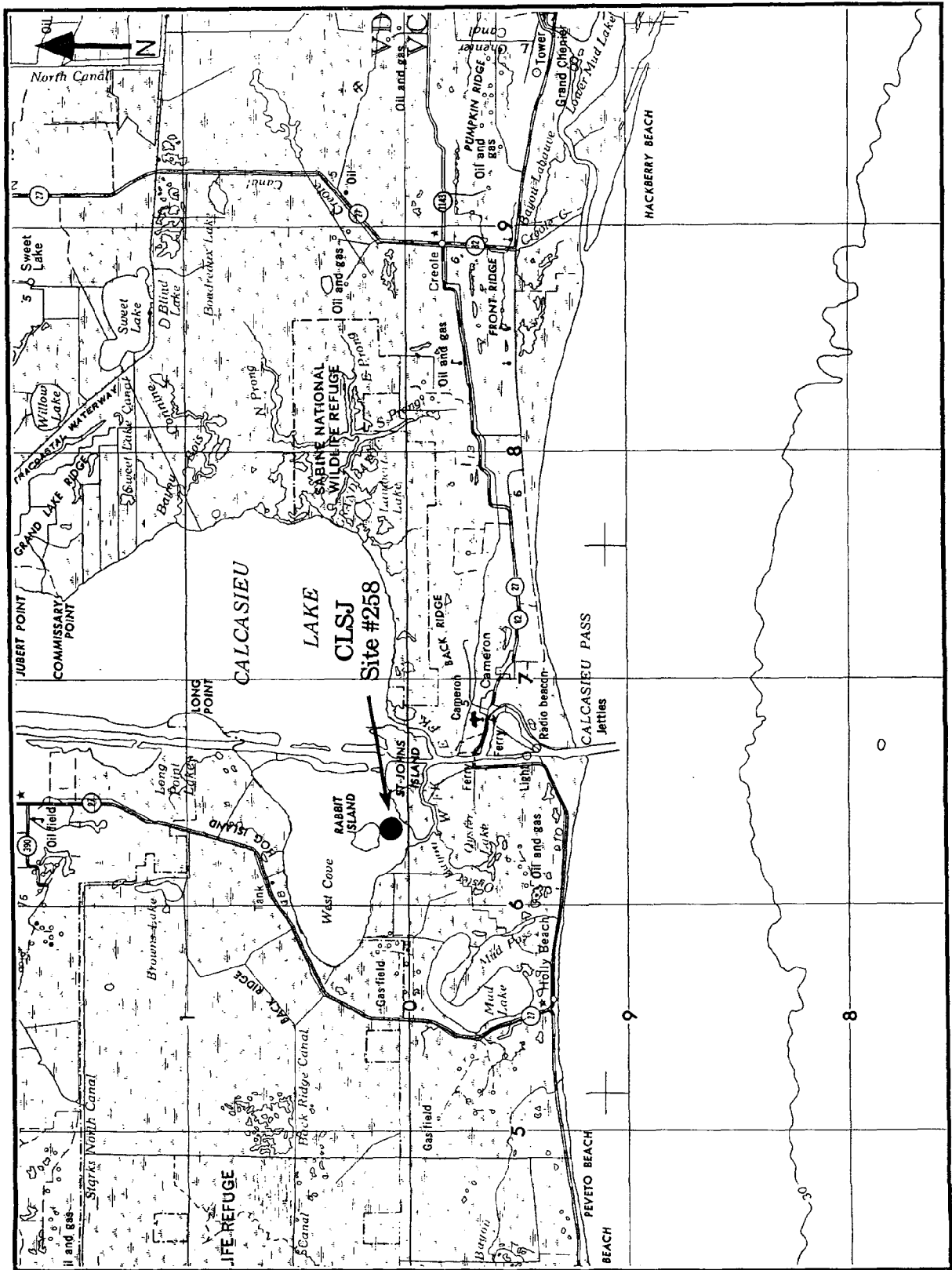
**WATER DEPTH** - subtidal, 1.0 - 2.5 m

**POSSIBLE CONTAMINANTS** - There are no obvious visible point sources of contamination in the area. However, since the site is located near the mouth of the Calcasieu River, there is a much greater potential for contamination from upstream discharges, particularly from the Lake Charles metropolitan area.

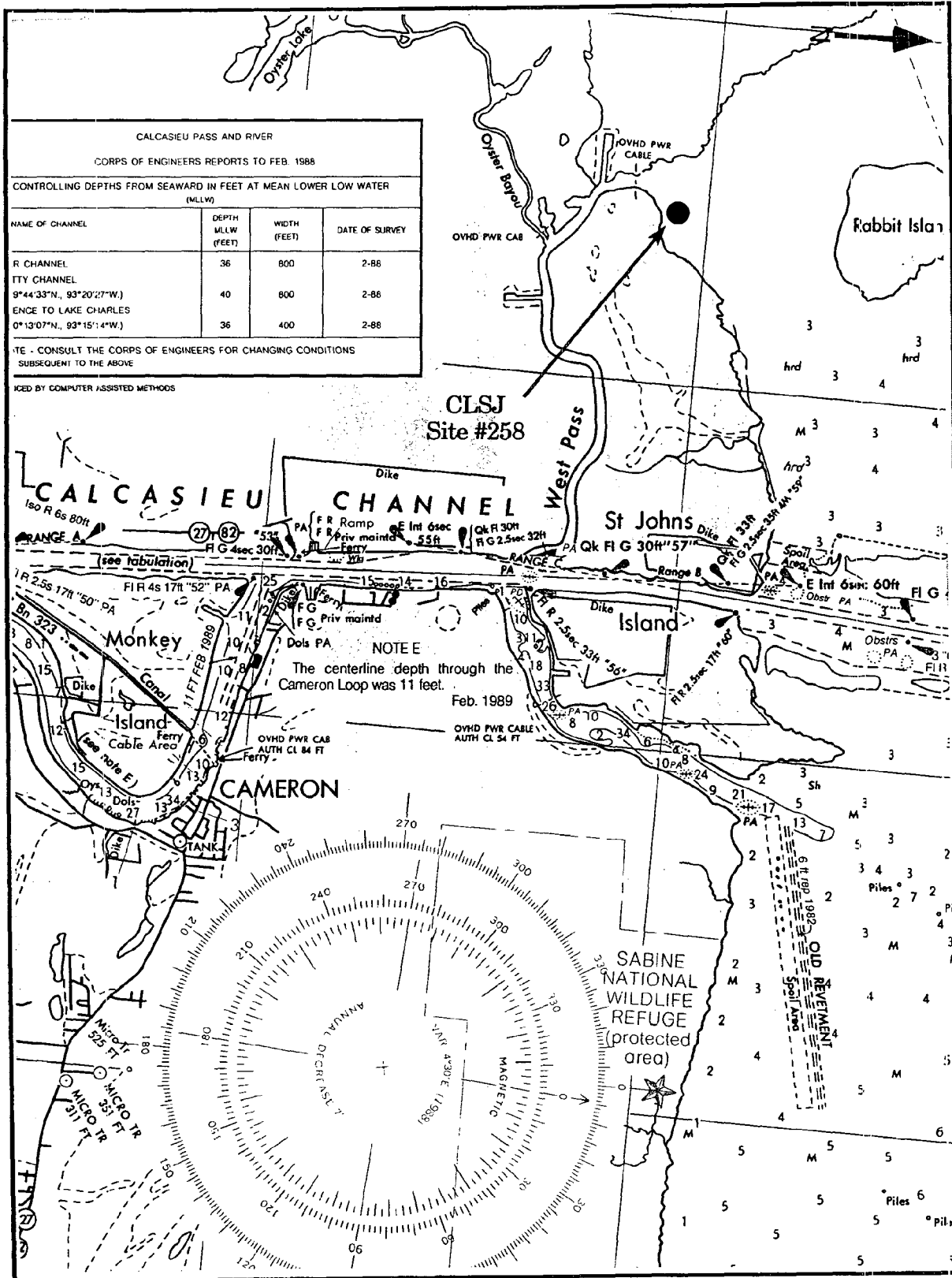
#### **ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	15.0	14.5	19 December 1994

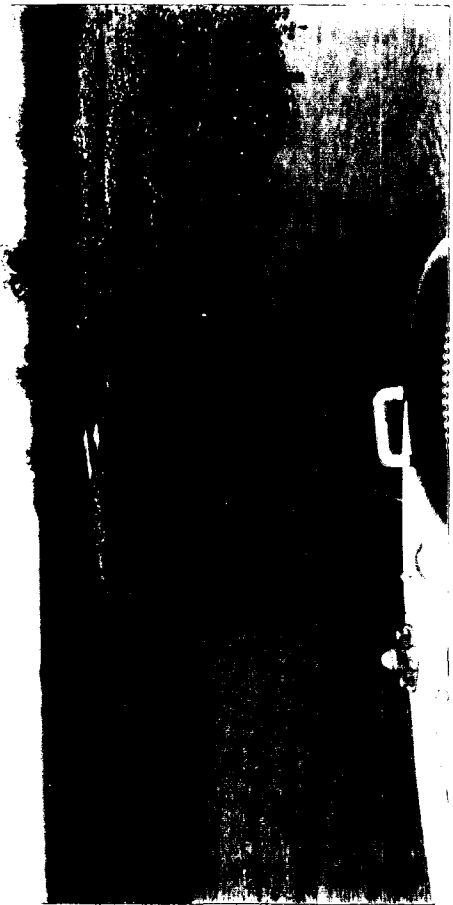




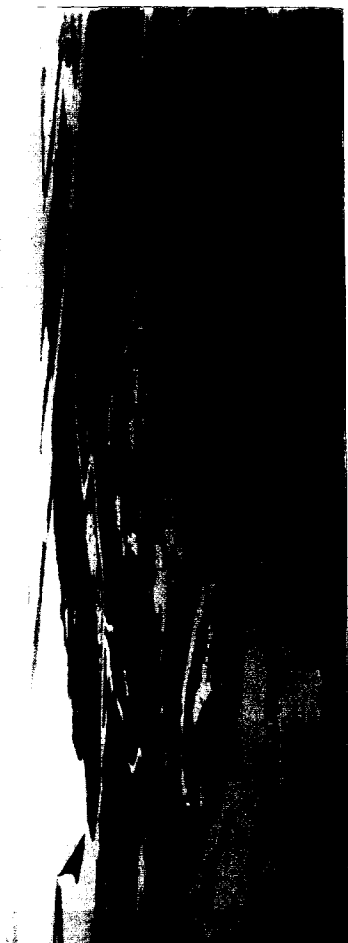
Site #258 (CLSJ), St. Johns Island, Calcasieu Lake.



Site #258 (CLSJ), St. Johns Island, Calcasieu Lake (from chart 11347).



Site #258 (CLSJ), St. Johns Island, Calcasieu Lake.





**GERG SITE NUMBER - 259**

**DESIGNATOR - SLBB**

**SITE - BLUE BUCK POINT, SABINE LAKE, LA**

**NOMINAL SITE CENTER - 29°47.45'N 93°54.38'W**

**LOCATED ON NOS CHART # - 11342**

**SITE ACCESS** - The site is accessed by boat launched at the ramp on the east side of Sabine Lake, at the LA Highway 82 bridge at Mesquite Point. The ramp is on the left, just after crossing into Louisiana. The site is north-northeast of the ramp at Blue Buck Point, about a 10 minute run by boat. Gill nets are legal in Louisiana, so it is advisable to keep a sharp look out for the floats.

**SITE DESCRIPTION** - The site is adjacent to Blue Buck Point, in the lower part of Sabine Lake. Station 1 is located 250 meters southeast of the duck blind on Blue Buck Point, and west of the three oil storage tanks. Station 2 lies 100 meters south of the duck blind on the point, and Station 3 is 100 to 150 meters west of the point.

#### **OYSTER COLLECTIONS**

*1995* Only a few small to medium sized oysters were found in the area, occurring both in singles and clusters. There was a great deal of clean shell, suggesting a recent fresh water die-off.

#### **SEDIMENT COLLECTIONS**

*1995* No sediments were collected this year.

#### **SAMPLING METHODS**

Oysters - SS dredge  
Sediment - N/A

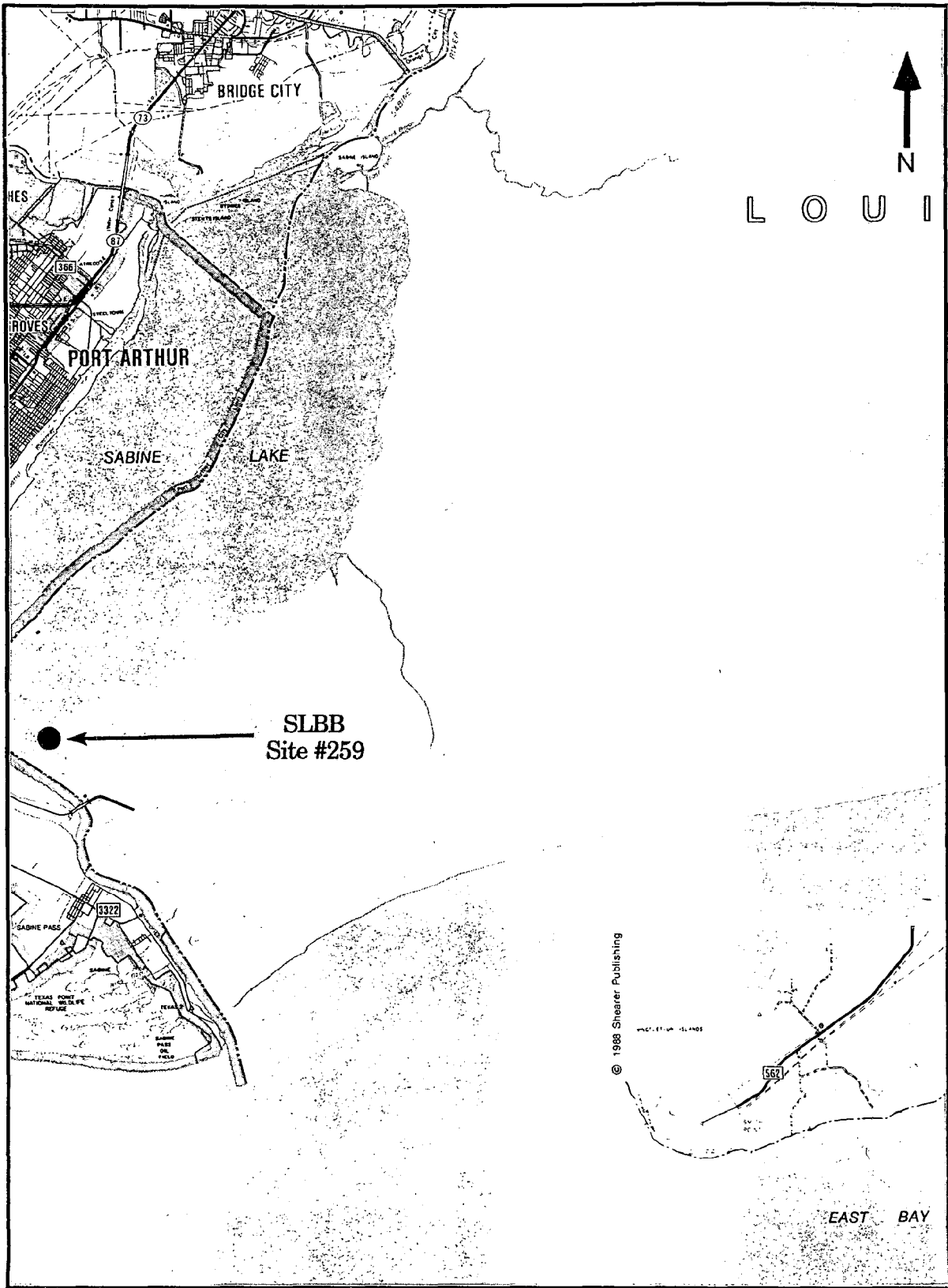
**WATER DEPTH** - subtidal, 1.0 - 1.5 m

**POSSIBLE CONTAMINANTS** - Contamination factors included ship traffic, urban sewage, and nearby heavy industrialization.

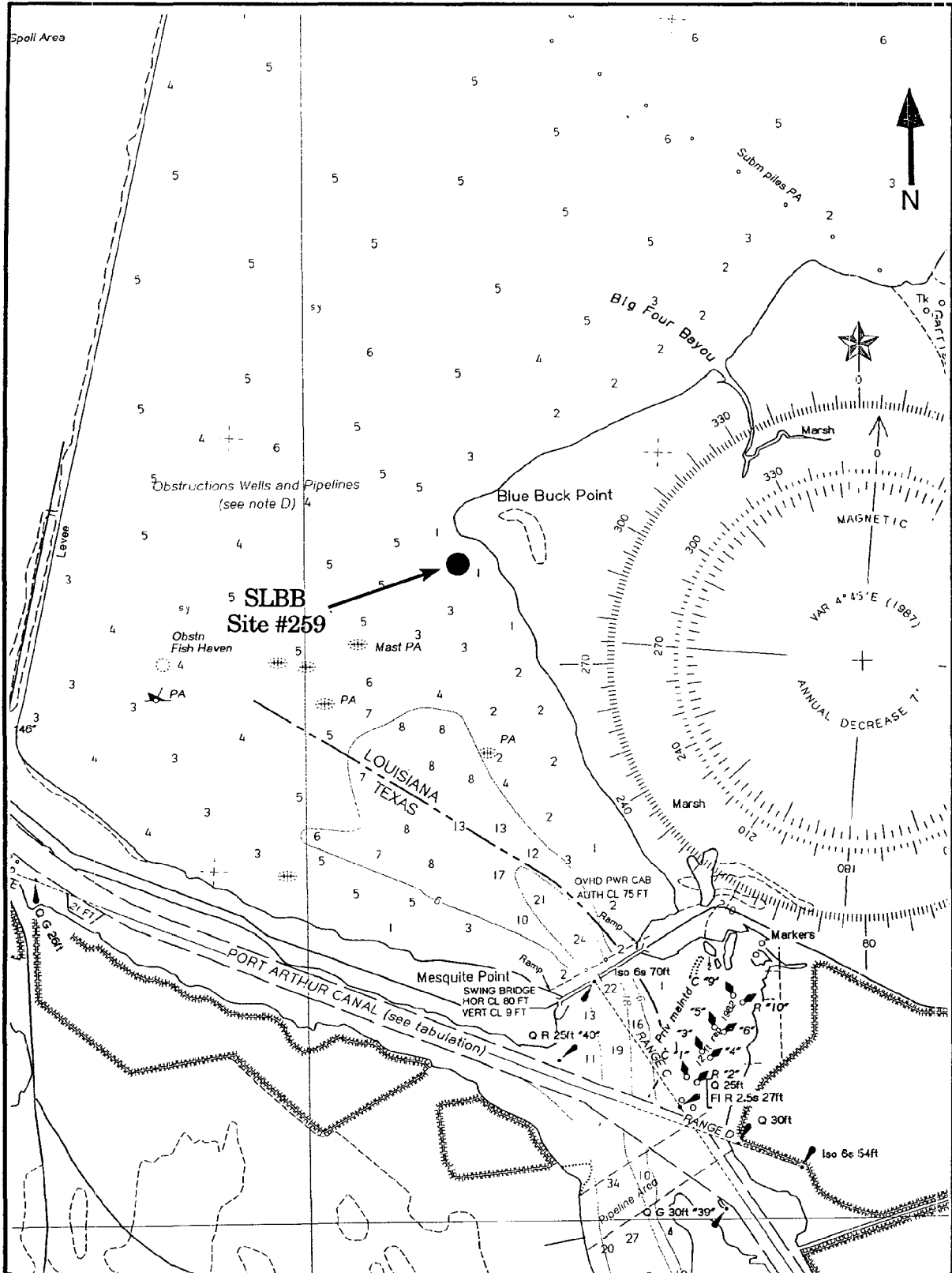
#### **ENVIRONMENTAL DATA**

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	3.0	16.0	19 December 1994

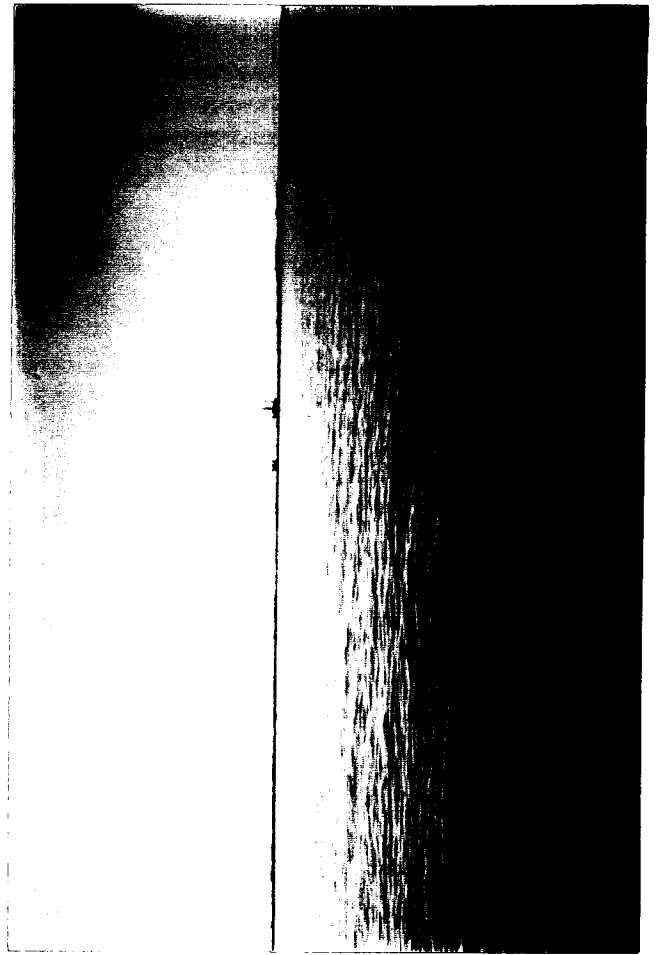
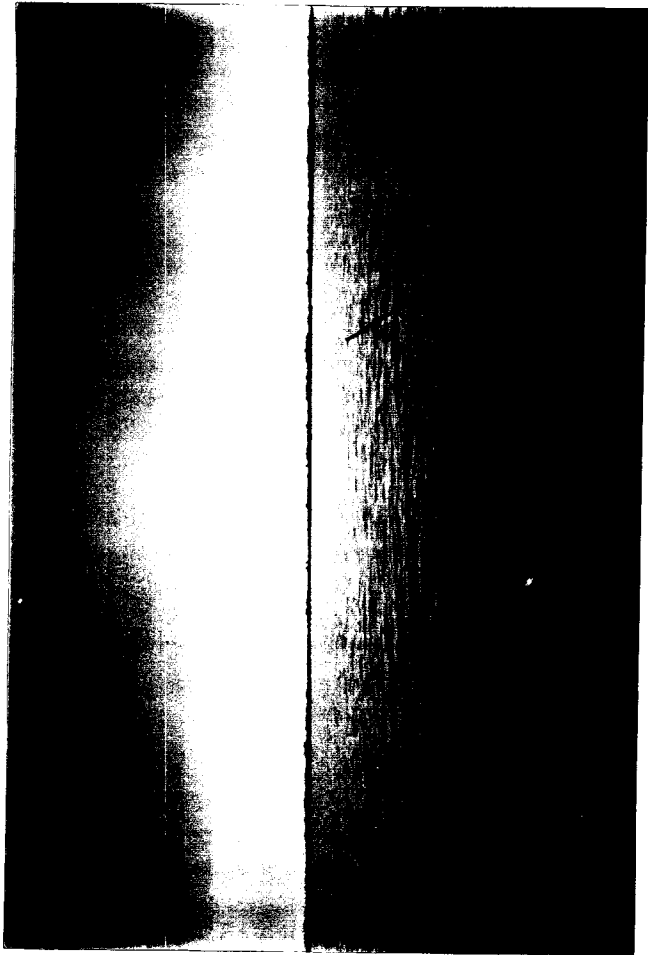




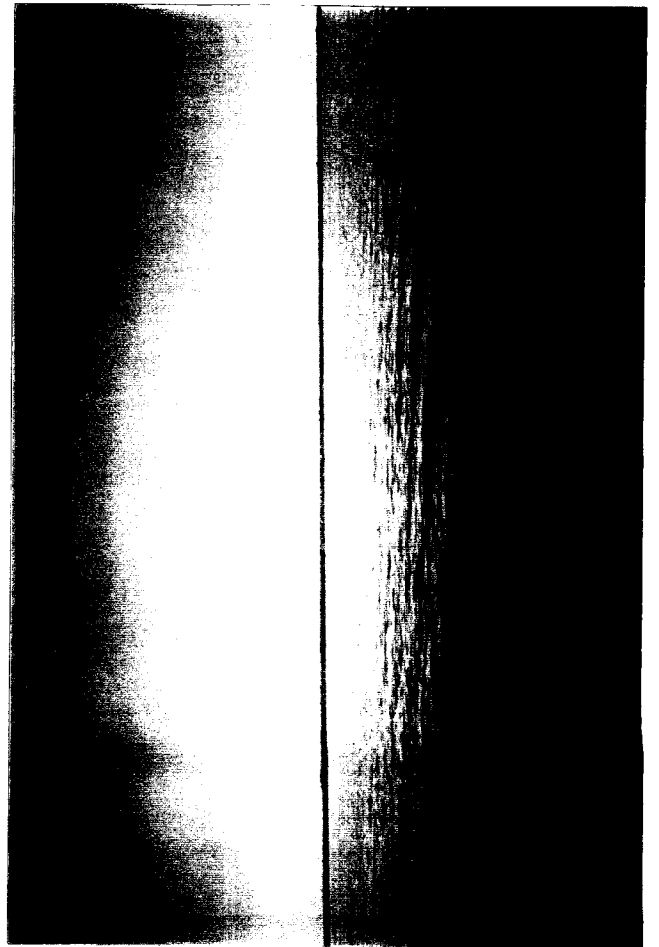
Site #259 (SLBB), Blue Buck Point, Sabine Lake.



Site #259 (SLBB), Blue Buck Point, Sabine Lake (from chart 11342).



Site #259 (SLBB), Blue Buck Point, Sabine Lake.



**Appendix A**

**Field Station Data**

NOAA NS&T MUSSEL WATCH PROJECT - 1995 - FIELD STATION DATA - GULF COAST

Site Code	Site Name & Location	Deg. Latitude	Min. Longitude	DDY Date	Collection Method	Bottom Type	Scientist	Species	Depth (m)	Temp (°C)	Salinity	Local Time High Water	Local Time Low Water	Tidal Range (m)
FBJB	JOE BAY FLORIDA BAY	25°12.53'	80°32.00'	1/24/95	H	NG	Jobling	<i>C. virginica</i>	0.5	18	2	20:49	4:25	Flamingo
FBFO	FLAMINGO FLORIDA BAY	25°08.47'	80°55.43'	1/23/95	H	N	Jobling	<i>C. virginica</i>	1.0	24.5	28	19:53	3:11	Flamingo
EVFU	FAKA UNION BAY EVERGLADES	25°54.16'	81°30.84'	1/23/95	B	ST	Jobling	<i>C. virginica</i>	0.5	16	7	18:52	1:20	Pumpkin B.
NBNB	NAPLES BAY NAPLES BAY	26°06.75'	81°47.13'	1/22/95	H	SR	Jobling	<i>C. virginica</i>	0.5	20	30	18:47	12:22	Naples Bay
CBBI	BIRD ISLAND CHARLOTTE HARBOR	26°30.86	82°02.07'	1/22/95	B	SR	Jobling	<i>C. virginica</i>	0.5	17.5	10	18:26	11:33	Galt Island
CBFM	FORT MEYERS CHARLOTTE HARBOR	26°33.50'	81°55.37'	1/22/95	H	SE	Jobling	<i>C. virginica</i>	0.5	16	1	18:16	13:19	Cape Coral B
CKBP	BLACK POINT CEDAR KEY	29°12.40'	83°04.17'	1/21/95	H	SM	Jobling	<i>C. virginica</i>	0.5	17	12	16:25	10:03	Cedar Keys
AESP	SPRING CREEK APALACHEE BAY	30°03.80'	84°19.32'	1/19/95	H	SR	Jobling	<i>C. virginica</i>	0.5	17	17	2:59	9:31	Shell Point
APCP	CAT POINT BAR APALACHEE BAY	29°43.45'	84°53.05'	1/20/95	H	SN	Jobling	<i>C. virginica</i>	0.5	10	7	4:40	11:43	Cat Point
APDB	DRY BAR APALACHEE BAY	29°40.35'	85°03.94'	1/20/95	H	SR	Jobling	<i>C. virginica</i>	0.5	14.5	29	5:03	12:25	Apalach. B.
SAWB	WATSON BAYOU ST. ANDREW BAY	30°08.55'	85°37.93'	1/19/95	H	SB	Jobling	<i>C. virginica</i>	0.5	15.5	35	23:17	9:19	Panama C.
PCMP	MUNICIPAL PIER PANAMA CITY	30°09.07'	85°39.78'	1/19/95	H	SE	Jobling	<i>C. virginica</i>	2.0	15	27	23:17	9:19	Panama C.
PCLO	LITTLE OYSTER BAY PANAMA CITY	30°15.08'	85°40.86'	1/18/95	H	N	Jobling	<i>C. virginica</i>	0.5	17.5	24	23:45	10:09	North Bay
CBSR	SANTA ROSA CHOCTAWATCHEE BAY	30°24.70'	86°12.28'	1/18/95	T	NRM	Jobling	<i>C. virginica</i>	2.5	13.5	15	23:24	11:09	East Pass
MSBB	BILOXI BAY MISSISSIPPI SOUND	30°23.55'	89°51.45'	1/17/95	H	NE	Jobling	<i>C. virginica</i>	0.5	16	11	22:43	9:07	Biloxi
LENG	NEW ORLEANS LAKE PONTCHARTRAIN	30°02.18'	90°02.48'	1/16/95	D	M	Jobling	<i>C. virginica</i>	1.0	12	8	-	-	New Orleans
LEMP	MALHEUREUX POINT LAKE BORGNE	29°52.02'	89°40.71'	1/16/95	H	NM	Jobling	<i>C. virginica</i>	0.5	12	7	1:27	13:12	Shell Beach
BSBG	BAY GARDNERE BRETON SOUND	29°56.5'	89°50.02'	1/16/95	D	EM	Jobling	<i>C. virginica</i>	4.0	12	4	2:02	13:38	Shell Beach
MKTP	TIGER PASS MISSISSIPPI RIVER	29°08.69'	89°37.65'	1/15/95	H	M	Jobling	<i>C. virginica</i>	0.5	13	5	21:46	8:49	Gardner Is.
BEMD	MIDDLE BANK BARATARIA BAY	29°16.60'	89°25.67'	1/15/95	D	NT	Jobling	<i>C. virginica</i>	1.0	-	-	19:31	6:00	SW Pass
BBSD	BAYOU ST. DENIS BARATARIA BAY	29°24.29'	89°59.93'	1/15/95	B	SM	Jobling	<i>C. virginica</i>	0.5	16.5	20	20:08	6:27	Barataria P.
BBTB	TURTLE BAY BARATARIA BAY	29°30.67'	90°05.00'	1/14/95	D	NS	Jobling	<i>C. virginica</i>	1.5	17	14	21:40	9:50	Manilla
CLCL	CAILLOU LAKE CAILLOU LAKE	29°15.19'	90°55.60'	1/12/95	Dead	M	Jobling	<i>C. virginica</i>	1.0	16	7	22:17	10:23	Manilla
ABOB	OYSTER BAYOU ATCHAFALAYA BAY	29°15.33'	91°08.17'	1/12/95	D	M	Jobling	<i>C. virginica</i>	1.0	17.5	10	18:26	6:43	Cailou Bay
VBSP	SOUTHWEST PASS VERMILLION BAY	29°34.77'	92°08.06'	1/11/95	H	SM	Jobling	<i>C. virginica</i>	0.5	17	18	16:35	4:13	Ship Shoal
JHJH	JOSEPH HARBOR BAYOU J. HARBOR	29°38.21'	92°46.01'	1/10/95	H	SM	Jobling	<i>C. virginica</i>	2.0	13	8	16:18	6:32	SW Pass
CLSJ	ST. JOHNS ISLAND CALCASIEU LAKE	29°49.76'	93°23.01'	12/19/94	D	MSR	Jobling	<i>C. virginica</i>	0.5	15	22	12:56	4:49	Calcasieu P.
SLBB	BLUE BUCK POINT SABINE LAKE	29°47.45'	93°54.38'	12/19/94	D	SM	Jobling	<i>C. virginica</i>	1.0	14.5	15	16:20	8:51	Calcasieu P.
							Jobling	<i>C. virginica</i>	1.0	16	3	18:30	9:50	Sabine Pass

**Appendix B**

**Final Positions**



NOAA NS&T MUSSEL WATCH PROJECT - 1995 - FINAL POSITIONS - GULF COAST - FLORIDA - LOUISIANA

GERG #	SITE CODE	SITE NAME & LOCATION	STATE	NCS CHART #	LAT. Deg. Min	LONG. Deg. Min
201	PRBB	BAHIA DE BOQUERON PUERTO RICO	PR	25671	18°00.44'	67°10.72'
202	PRBM	BAHIA MONTALVA PUERTO RICO	PR	25671	17°58.23'	66°59.43'
203	PRBJ	BAHIA DE JOBOS PUERTO RICO	PR	25677	17°56.33'	66°10.95'
204	BHKF	BAHIA HONDA KEY FLORIDA KEYS	FL	11445	24°39.52'	81°16.43'
205	FBJB	JOE BAY FLORIDA BAY	FL	11541	25°12.53'	80°32.00'
206	FBFO	FLAMINGO FLORIDA BAY	FL	11541	25°08.47'	80°55.43'
207	EVFU	FAKA UNION BAY EVERGLADES	FL	11430	25°54.16'	81°30.84'
208	RBHC	HENDERSON CREEK ROOKERY BAY	FL	11430	26°01.50'	81°44.20'
209	NBNB	NAPLES BAY NAPLES BAY	FL	11430	26°06.75'	81°47.13'
210	CBBI	BIRD ISLAND CHARLOTTE HARBOR	FL	11427	26°30.86'	82°02.07'
211	CBFM	FORT MEYERS CHARLOTTE HARBOR	FL	11427	26°33.50'	81°55.37'
212	TBCB	COCKROACH BAY TAMPA BAY	FL	11414	27°40.55'	82°30.56'
213	TBHB	HILLSBOROUGH BAY TAMPA BAY	FL	11413	27°51.28'	82°23.75'
214	TBKA	KNIGHT AIRPORT TAMPA BAY	FL	11413	27°54.46'	82°27.29'
215	TBOT	OLD TAMPA BAY TAMPA BAY	FL	11413	28°01.48'	82°37.95'
216	TBPB	PAPYS BAYOU TAMPA BAY	FL	11413	27°50.53'	82°36.62'
217	TBMK	MULLET KEY BAYOU TAMPA BAY	FL	11411	27°37.28'	82°43.62'
218	TBNP	NAVAREZ PARK TAMPA BAY	FL	11411	27°47.28'	82°45.28'
219	CKBP	BLACK POINT CEDAR KEY	FL	11408	29°12.40'	83°04.17'
220	SRWP	WEST PASS SUWANEE RIVER	FL	11408	29°19.75'	83°10.45'
221	AESP	SPRING CREEK APALACHEE BAY	FL	11405	30°03.80'	84°19.32'
222	APCP	CAT POINT BAR APALACHICOLA BAY	FL	11404	29°43.45'	84°53.05'
223	APDB	DRY BAR APALACHICOLA BAY	FL	11402	29°40.35'	85°03.94'
224	SAWB	WATSON BAYOU ST. ANDREW BAY	FL	11390	30°08.55'	85°37.93'
225	PCMP	MUNICIPAL PIER PANAMA CITY	FL	11390	30°09.07'	85°39.78'
226	PCLO	LITTLE OYSTER BAY PANAMA CITY	FL	11390	30°15.08'	85°40.86'
227	CBSR	SANTA ROSA CHOCTAWATCHEE BAY	FL	11385	30°24.70'	86°12.28'
228	CBJB	JOE'S BAYOU CHOCTAWATCHEE BAY	FL	11385	30°24.62'	86°29.45'
229	CBPP	POSTIL POINT CHOCTAWATCHEE BAY	FL	11385	30°28.85'	86°28.73'
230	CBBB	BOGGY BAYOU CHOCTAWATCHEE BAY	FL	11385	30°30.08'	86°29.65'
231	CBBL	BEN'S LAKE CHOCTAWATCHEE BAY	FL	11385	30°27.15'	86°32.45'
232	PBSP	SABINE POINT PENSACOLA BAY	FL	11378	30°20.80'	87°09.10'
233	PBIB	INDIAN BAYOU PENSACOLA BAY	FL	11378	30°31.00'	87°06.70'
234	PBPH	PUBLIC HARBOR PENSACOLA BAY	FL	11378	30°24.63'	87°11.42'
235	MBDR	DOG RIVER MOBILE BAY	MS	11376	30°35.50'	88°02.72'
236	MBHI	HOLLINGERS ISLAND MOBILE BAY	MS	11376	30°33.80'	88°04.50'
237	MBCP	CEDAR POINT REEF MOBILE BAY	MS	11378	30°18.70'	88°08.00'
238	MSPB	PASCAGOULA BAY MISSISSIPPI SOUND	AL	11375	30°20.14'	88°35.17'
239	MSBB	BILOXI BAY MISSISSIPPI SOUND	AL	11372	30°23.55'	88°51.45'
240	MSPC	PASS CHRISTIAN MISSISSIPPI SOUND	AL	11372	30°18.12'	89°19.62'

NOAA NS&T MUSSEL WATCH PROJECT - 1995 - FINAL POSITIONS - GULF COAST - FLORIDA -  
LOUISIANA

GERG	SITE			NOS	LAT.	LONG.
#	CODE	SITE NAME & LOCATION	STATE	CHART #	Deg. Min	Deg. Min
241	LPNO	NEW ORLEANS LAKE PONTCHARTRAIN	LA	11369	30°02.18'	90°02.48'
242	LBGO	GULF OUTLET LAKE BORGNE	LA	11371	29°56.5'	89°50.02'
243	LBMP	MALHEUREUX POINT LAKE BORGNE	LA	11364	29°52.02'	89°40.71'
244	BSBG	BAY GARDERNE BRETON SOUND	LA	11364	29°36.12'	89°37.65'
245	BSSI	SABLE ISLAND BRETON SOUND	LA	11364	29°24.26'	89°29.09'
246	MRPL	PASS A LOUTRE MISSISSIPPI RIVER	LA	11361	29°04.87'	89°05.53'
247	M RTP	TIGER PASS MISSISSIPPI RIVER	LA	11361	29°08.69'	89°25.67'
248	BBMB	MIDDLE BANK BARATARIA BAY	LA	11365	29°16.60'	89°56.52'
249	B BSD	BAYOU ST. DENIS BARATARIA BAY	LA	11365	29°24.29'	89°59.93'
250	B BTB	TURTLE BAY BARATARIA BAY	LA	11365	29°30.67'	90°05.00'
251	T B L F	LAKE FELICITY TERREBONNE BAY	LA	11357	29°15.80'	90°24.40'
252	T B L B	LAKE BARRE TERREBONNE BAY	LA	11357	29°15.60'	90°35.70'
253	C L C L	CAILLOU LAKE CAILLOU LAKE	LA	11356	29°15.19'	90°55.60'
254	A B O B	OYSTER BAYOU ATCHAFALAYA BAY	LA	11356	29°15.33'	91°08.17'
255	V B S P	SOUTHWEST PASS VERMILLION BAY	LA	11349	29°34.77'	92°03.06'
256	J H J H	JOSEPH HARBOR BAYOU J. HARBOR	LA	11344	29°38.21'	92°46.01'
257	C L L C	LAKE CHARLES CALCASIEU LAKE	LA	11347	30°03.42'	93°18.42'
258	C L S J	ST. JOHNS ISLAND CALCASIEU LAKE	LA	11347	29°49.76'	93°23.01'
259	S L B B	BLUE BUCK POINT SABINE LAKE	LA	11342	29°47.45'	93°54.38'

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